

June 13, 2025

Ms. Caroline Jalanti
New York State Department of Environmental Conservation
Division of Environmental Remediation, Remedial Bureau C
625 Broadway, 12th Floor, Albany, NY 12233-7014
Transmitted via E-mail: caroline.jalanti@dec.ny.gov

**Re: Pre-Design Investigation Report – Upgradient PRB Monitoring Wells
Warburton Dry Cleaners Site
321-322 Warburton Ave, 32 Point St, 247-262A Woodworth Ave
Yonkers, New York 10705, Westchester County
BCP Site No. C360227**

Dear Ms. Jalanti:

LaBella Associates (LaBella) has prepared this Pre-Design Investigation (PDI) Report for the installation and sampling of upgradient monitoring wells for the design of a permeable reactive barrier (PRB) on behalf of Conifer Realty, a Volunteer in the New York State Brownfield Cleanup program (NYS BCP) at the Warburton Dry Cleaners Site (BCP Site No. C360227) located at 321-322 Warburton Ave, 32 Point St, and 247-262A Woodworth Ave in the City of Yonkers, New York (the Site). This Supplemental PDI Report includes a summary of the installation, construction and sampling of two multi-level nested upgradient monitoring wells. The purpose of the upgradient monitoring wells is to:

1. Complete the vertical delineation of chlorinated volatile organic compounds (CVOCs) in groundwater that are migrating onto the Site from upgradient off-site source(s) in order to finalize the planned Permeable Reactive Barrier (PRB) details; and,
2. Allow for long-term monitoring of dissolved-phase CVOCs in groundwater upgradient of the PRB.

LaBella previously performed a PDI pursuant to the NYSDEC-approved work plan dated August 6, 2024. The prior PDI included hydraulic conductivity testing and passive diffusion bag sampling. Monitoring wells MW-2, MW-4, and MW-6 were sampled via passive diffusion bags (PDBs) to characterize groundwater contamination to a depth of 73.5 feet below ground surface (ft bgs). The results were used to inform the design of the PRB, including vertical and horizontal extent. The results of previous sampling efforts were provided to NYSDEC in a PRB Work Plan prepared by LaBella dated November 2024. NYSDEC subsequently disapproved the PRB Work Plan and requested additional vertical delineation in a comment letter dated December 20, 2024.



In response, Labella submitted a PDI Work Plan – Upgradient PRB Monitoring Wells dated February 5, 2025. NYSDEC approved the PDI Work Plan in a letter dated February 14, 2025. The scope of work included the installation and sampling of two multi-level nested upgradient monitoring wells in the vicinity of the former monitoring wells MW-2 and MW-6, each containing three to four 5-foot screened intervals order to assess the vertical extent of CVOCs in groundwater to the top of bedrock. Well construction details are presented below. The monitoring well installation and groundwater sampling procedures were conducted in accordance with NYSDEC DER-10 and Section 7.4 of the Remedial Investigation Work Plan (RIWP). Quality Assurance/Quality Control measures were implemented per Section 8.0 of the RIWP. Health and Safety measures were implemented per Section 10.0 of the RIWP. Deviations to the PDI Work Plan are noted in the Deviations section of this report.

DESIGN INVESTIGATION – UPGRADIENT MONITORING WELLS

Upgradient Well Boring Advancement

Upgradient monitoring wells were installed and sampled according to the Revised PDI Work Plan approved on February 14th, 2025. MW-2 Nested and MW-6 Nested were installed between April 17th and April 21st. Both wells were installed in the Right-of-Way (sidewalk) on the west side of Warburton Avenue., immediately upgradient of the Site. MW-2 Nested was installed slightly east (upgradient) of previous well MW-2 location and MW-6 Nested was installed slightly east (upgradient) of the previous MW-6 well location.

Conifer Realty, through its general contractor Conifer Le-Chase (CLC) contracted directly with Aquifer Drilling and Testing (ADT) of Mineola, New York, to drill MW-2 Nested and MW-6 Nested in March 2025 with a heavy-duty sonic rig (Frate XL Max). Each upgradient nested monitoring well was drilled to the top of bedrock, which was encountered at 95 ft bgs at MW-2 Nested and 92 ft bgs at MW-6 Nested. To confirm that bedrock was encountered, ADT over-drilled an additional 5 ft at MW-2 Nested (down to 100 ft bgs) and 3 ft (down to 95 ft bgs) at MW-6 to confirm bedrock. Limited recovery was obtained for both locations on the final advancement; however, rock pieces (apparent bedrock) were recovered at both locations.

Drill cuttings were characterized using the Unified Soil Classification System (USCS). Soil at both locations consisted of medium fine brown sand with gravel with little silty clay between 5 and 60 ft bgs. Soils below 60 ft consisted of fine brown silty clay, and some medium fine to fine compact sand with gravel, with intervals of highly compacted cementitious sand. Based on observations of saturated soil, it was estimated that depth-to-water at both locations was between 55 and 60 ft bgs.

LaBella screened drill cuttings for the presence of volatile organic compounds (VOCs) using a photoionization detector (PID). A total of five (5) soil samples were collected and analyzed for VOCs based on the highest PID readings or other indications of potential impacts (odors). The table below summarizes the soil samples collected:



Up-Gradient Well Soil Sampling			
Location	Depth (ft. bgs)	Basis for sample collection	Sample ID
MW-2 Nested	23	PID - 27.4 ppm	MW-2 Nested (23)
	59	PID - 181.6 ppm & Odor	MW-2 Nested (59)
	97	PID - 1.2 ppm & Top of Rock	MW-2 Nested (97)
MW-6 Nested	50	PID - 58 ppm	MW-6 Nested (50)
	92	Top of Rock	MW-6 Nested (92)

Soil boring logs are included in **Appendix A** and soil sampling results are summarized in **Table 3**.

Upgradient Multi-level Nested Monitoring Well Construction

At each well, four individual 1" schedule 40 PVC piezometers containing 5 feet of 0.010 slot screen were installed with a 5-foot interval in between screens from the top of the water table to the top of bedrock. To mitigate the potential for cross-contamination, three layers were placed between each 5 ft screened interval including one layer of 1.5 ft of choke sand, followed by 2 ft of bentonite pellets, followed by another layer of 1.5 ft of choke sand. Type 1 sand was packed around the screened portions of the monitoring wells and the top 2 ft of the wells were sealed with bentonite.

The wells screens at MW-2 Nested and MW-6 Nested were located at the following depths:

Well ID	Well Depth (ft bgs)	Screen Interval (ft bgs)
MW-2 Nested A	65.55	60.55 – 65.55
MW-2 Nested B	75.7	70.7 – 75.7
MW-2 Nested C	87.05	82.05 – 87.05
MW-2 Nested D	96.8	91.8 – 96.8
MW-6 Nested A	62.3	57.3 – 62.3
MW-6 Nested B	72.52	70 – 75.52
MW-6 Nested C	82.48	77.48 – 82.48
MW-6 Nested D	92.6	87.6 – 92.6

As previously noted, MW-2 Nested and MW-6 Nested were both over drilled slightly to confirm the presence of bedrock. Bedrock was confirmed to be present at MW-2 Nested at 95 ft.bgs after over-drilling to 100 ft. bgs. Bedrock was confirmed to be present at MW-6 Nested at 92 ft bgs after over-drilling to 95-ft. bgs. The over-drilled intervals for both wells were backfilled with bentonite per discussions with NYSDEC at the time of installation. In addition, it should be noted that the deepest screened interval at both wells extend slightly below the apparent top of bedrock based on depth-to-bottom measurements at each well. It appears this deviation is due to the bentonite being washed out during reaming of the hole for well placement or the driller improperly grouting this section.



Well construction logs are in **Appendix B**. Plan view of the location of the installed upgradient wells are shown in **Figure 1**. Cross sections of the monitoring well construction as-builts are shown in **Figure 2** and **Figure 3**.

Upgradient Well Development and Sampling Methodology

Multiple depth-to-water measurements were collected during development of the monitoring wells. Depth-to-water ranged between 64.39 and 69.48 ft bgs in contrast with estimated depth-to-water during the well drilling and installation process of approximately 55 to 60 ft bgs. The shallowest piezometers, screened between 60 and 65 ft bgs were found to contain less than 0.5 ft of water. The limited amount water in the shallow A interval wells at both wells was insufficient for well development or sampling. Future sampling may be possible at these shallow intervals should the water table rise seasonally. Depth-to-water measurements are presented in **Table 1**.

The wells were developed between April 21st and April 26th using a Waterra pump as well as a manually operated check valve. A minimum of 10 well volumes were purged at each piezometer with the exception of MW-2 Nested A and MW-6 Nested A at which little to no groundwater was observed. The intent of the development was to significantly reduce turbidity and specifically to < 50 NTUs. However, the wells did not recharge quickly and after significant efforts to continue well development, development efforts ceased after a minimum of 10 well volumes was removed. Well development logs are located in **Appendix C**.

On March 31st and April 1st, 96 hours after the wells were developed, the piezometers were sampled pursuant to the PDI Work Plan. At least 3 well volumes were purged before the wells were sampled for Volatile Organic Compounds (VOCs) via EPA Method 8260. While the PDI Work Plan specified that the wells were to be sampled via low-flow methodologies using a micro $\frac{3}{4}$ " bladder pump, this method was ineffective at purging water, and, instead, a Waterra check valve was utilized. After purging three well volumes, the bladder pump was then utilized again to collect samples via low-flow sampling methodologies, with two exceptions. At MW-2 Nested C and MW-2 Nested D, sufficient water could not be collected using the bladder pump, and samples from these locations were collected using a Waterra pump. Well sampling forms are located in **Appendix D**.

The samples were analyzed by an Environmental Laboratory Accreditation Program (ELAP) certified laboratory and an ASP Category B Deliverable will be provided. In addition, electronic data deliverables will be submitted to the NYSDEC. Lab reports were validated by a third-party data validator. Data Usability Summary Reports (DUSRs) are summarized in the Findings Section.



DEVIATIONS

The following deviations from the PDI Work Plan occurred during the fieldwork:

- Concerns with investigation derived waste were identified and were addressed.
- Wells MW-2 Nested C and MW-2 Nested D were unable to be sampled using low-flow sampling methodologies. Attempts were made to sample these two wells with a low-flow bladder pump; however, the pump was unable to provide adequate volume. After numerous attempts a Waterra pump was utilized.

FINDINGS

Soil

Soil samples contained VOCs, including PCE, Benzene, Toluene, Ethylbenzene, Acetone, Isopropyl benzene, Naphthalene, and Xylenes at trace concentrations that were below NYSDEC Unrestricted Use Soil Cleanup Objectives. One sample (MW-2 Nested (23' bgs)) contained several non-site related VOCs (Acetone, Methylene Chloride & 2-Butanone) that exceeded NYSDEC Unrestricted Use Soil Cleanup Objectives but were below the NYSDEC Restricted Residential SCOs (RRSCOs). Soil samples were collected from saturated soils with the exception of the samples collected at MW-2 Nested (23' bgs).

Soil analytical data is summarized in **Table 3**.

The relatively low concentrations of VOCs in soil are consistent with migration of VOCs in groundwater impacting the soils from an upgradient source. The VOCs in the sample from above the water table (MW-2 Nested (23' bgs)) may be due to discharges/leakage from the sanitary sewer or through the bedding material surrounding the sewer line. Lab Reports are located in **Appendix E**.

Groundwater

Tetrachloroethene (PCE) at all sampled piezometers was detected in exceedance of New York TOGS 1.1.1. Ambient Water Quality Standards and Guidance Values (AWQS) which is 5 µg/l. A summary of the PCE results is provided in the table below.

Summary of Groundwater Results					
Location	Sampling (Screened) Interval (ft bgs)	Sample Elev. (ft above msl)	PCE (µg/l)	TCE (µg/l)	cis-1,2-DCE (µg/l)
MW-2 Nested B	70.7 – 75.7	25	3,500	Non Detect	Non Detect
MW-2 Nested C	82.05 – 87.05	12.5	5,300	Non Detect	Non Detect
MW-2 Nested D	91.8 – 96.8	2.5	820	Non Detect	Non Detect
MW-6 Nested B	70 – 75.52	26	19	Non Detect	Non Detect



MW-6 Nested C	77.48 – 82.48	16	470	Non Detect	Non Detect
MW-6 Nested D	87.6 – 92.6	6.5	810	Non Detect	Non Detect

As presented above, the highest concentration of PCE in groundwater samples collected at MW-2 Nested was in the second deepest piezometer, MW-2 Nested C (elevation 12.5 ft), which contained PCE at a concentration of 5,300 µg/l. The deepest well, MW-2 Nested D (elevation 2.5 ft) contained PCE at a concentration that was an order of magnitude lower (820 µg/l). In addition, PCE concentrations from the prior sampling of former well MW-2 (approximately 20 ft. south/southwest) contained higher concentrations in the shallower sampling intervals. Specifically, former well MW-2 contained 7,800 µg/l of PCE at elevation of 30 ft. and 8,500 µg/l at elevation 22.5 ft

Although the concentration of PCE identified in MW-6 Nested D (deepest sample) was higher than the B and C interval, the concentrations were not significantly higher with depth. Former well MW-6 (approximately 10 ft. west) contained significantly higher concentrations at shallower depths, indicating that PCE concentrations decrease with depth overall. Specifically, former well MW-6 contained 2,400 µg/l PCE at elevation of 22.5 ft. while MW-6 Nested C (elevation 16 ft) and Nested D (elevation 6.5 ft) contained PCE at significantly lower concentrations, 470 µg/l and 810 µg/l, respectively. In addition to PCE, Chloroform, Methylene Chloride, Acetone and Toluene were the only other detected compounds. Of these, only Chloroform was present at concentrations in exceedance of its applicable AWQS (7 µg/l) at piezometers MW-6 Nested B and MW-6 Nested C.

In all samples, detection limits for TCE and cis-1,2-DCE were elevated above the AWQS, indicating that these compounds could still be present at concentrations exceeding regulatory limits.

Groundwater analytical data is summarized in **Table 2** and PCE and TCE concentrations in groundwater are also presented on **Figure 4**. Standard Lab Reports are located in **Appendix E**. The sampling data has been validated, and the DUSRs have been finalized and are included in **Appendix F**. The DUSR concludes that the data are useable. The Electronic Data Deliverable (EDD) will be submitted to NYSDEC Equis system.

CONCLUSIONS

Two multi-level nested upgradient monitoring wells were installed in the sidewalk of Warburton Avenue, immediately upgradient of the Warburton Dry Cleaners Site. A total of four piezometers were installed at each location varying between 60 to 95 ft bgs. Water was not encountered in the shallowest piezometers at each well. The wells were developed, purged, sampled, and analyzed for 8260 VOCs.

Concentrations of Tetrachloroethene appear to be decreasing with depth based on the MW-2/MW-2 Nested and MW-6/MW-6 Nested analytical testing results to date. Furthermore, the deepest samples in both MW-2 Nested and MW-6 Nested indicate that significant contaminant mass is limited to the overburden and further vertical delineation is not warranted. Based on the decreasing concentrations with depth, the PRB will be extended to the top of bedrock across the previously proposed horizontal PRB extent. A revised PRB Design Work Plan will be submitted to reflect upgradient monitoring well sampling results and NYSDEC comments to the initial PRB Design Work Plan.



CERTIFICATION

I, Daniel Noll, certify that I am currently a NYS registered professional engineer and that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications with the exception of deviations noted.



06/13/2025

Date

If you have any questions, please contact me at (585) 295-6611.

Respectfully submitted,

LaBella Associates, D.P.C.

Dan Noll, PE
Vice President

Attachments

Figures

- Figure 1 – Upgradient Monitoring Well Location Plan
- Figure 2 – Cross Section A-A' MW-2 Nested
- Figure 3 – Cross Section A-A' MW-6 Nested
- Figure 4 – Groundwater PCE and TCE Results

Tables

- Table 1 – Groundwater Elevations Summary
- Table 2 – Groundwater Analytical Results
- Table 3 – Soil Analytical Results

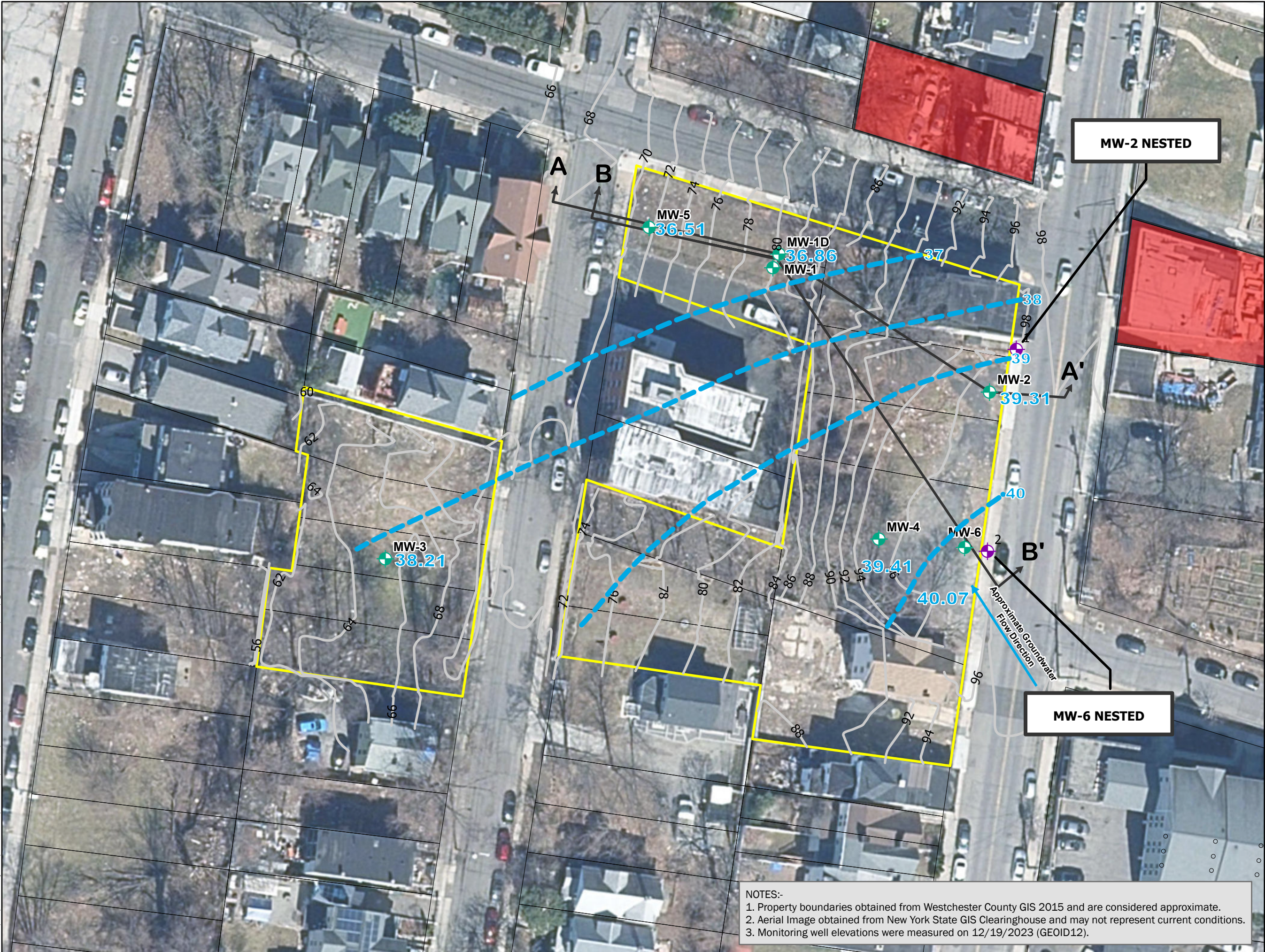
Appendices

- Appendix A – Soil Boring Logs
- Appendix B – Well Construction Logs
- Appendix C – Well Development Logs
- Appendix D – Well Sampling Forms
- Appendix E – Standard Laboratory Analytical Reports
- Appendix F – Data Usability Summary Reports



FIGURES

Path: B:\GIS\NY Countywide \Westchester\Townwide\Yonkers\SiteData\Warburton Ave Apartments \RIFS Figure 2 - PRB Location Plan V2.WC.aprx

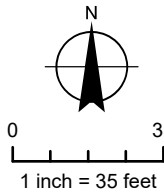


NOTES:-
1. Property boundaries obtained from Westchester County GIS 2015 and are considered approximate.
2. Aerial Image obtained from New York State GIS Clearinghouse and may not represent current conditions.
3. Monitoring well elevations were measured on 12/19/2023 (GE01D12).

Warburton Avenue
Apartments, LLC

305-321 Warburton Ave, 32
Point St, and 247-262A
Woodworth Ave,
Yonkers, NY 10701

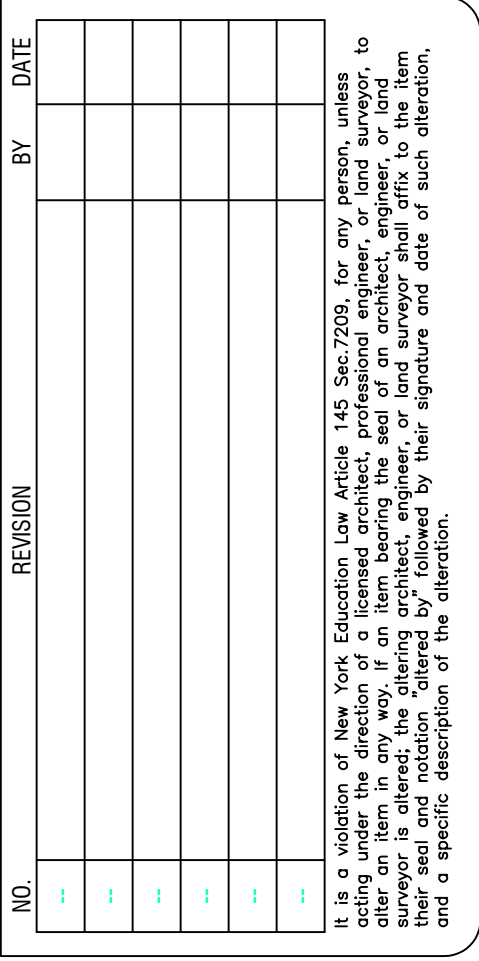
PRB Upgradient Well
Monitoring Report



- Site Boundary
- Approximate Parcel Boundaries
- Upgradient Monitoring Well Location
- Monitoring Well Location
- Topographic Elevation Contour Line
- AOC-3: Former Dry Cleaners

Upgradient Monitoring
Well Location Plan

FIGURE 1

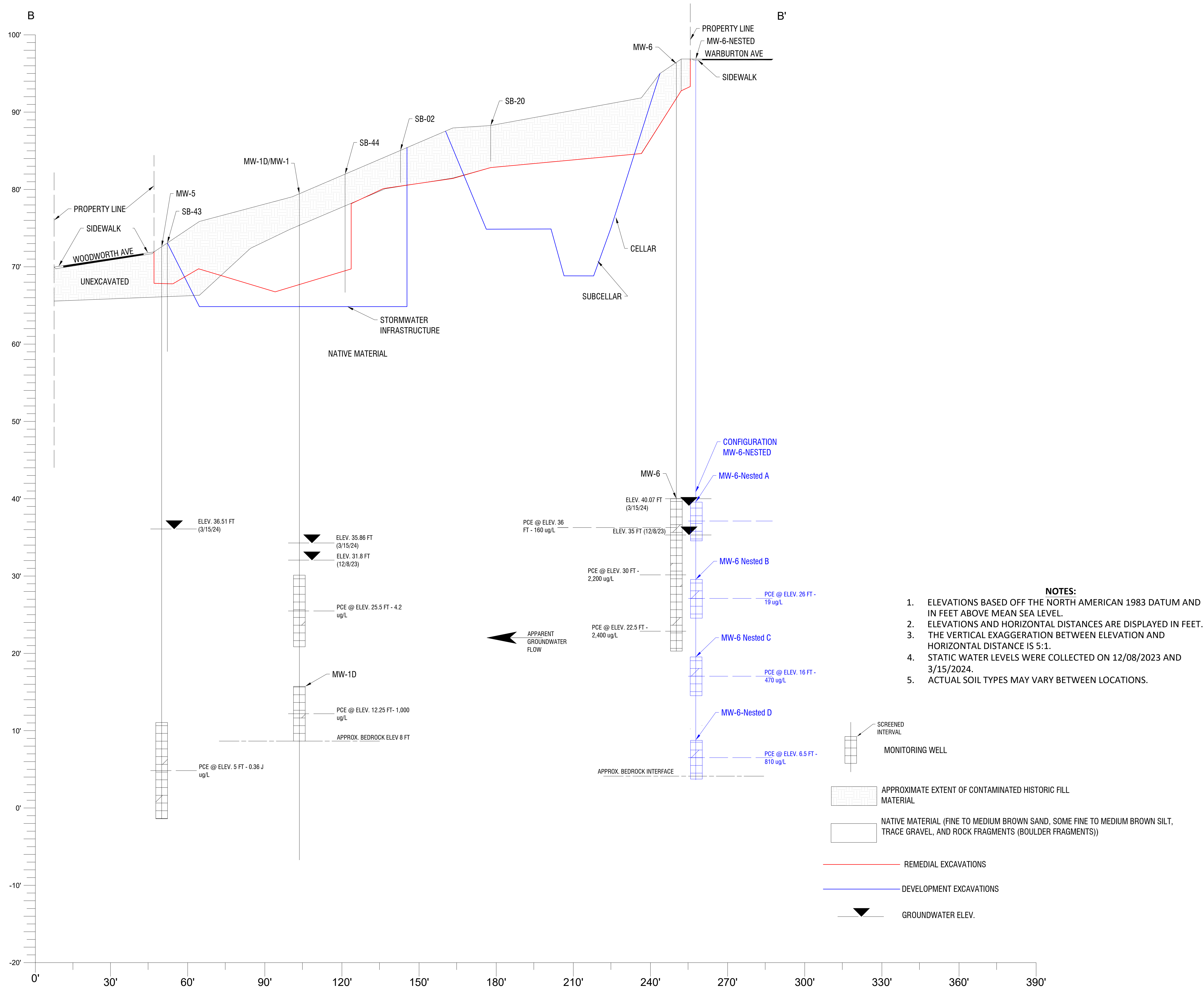


A large rectangular box with a black border, containing the text "S:\ENV\GIS\Logo new.jpg" in a black, sans-serif font, centered within the box.

WARBURTON AVE APARTMENTS
WARBURTON DRY CLEANERS SITE
CITY OF YONKERS NY

FINAL	DESIGNED BY:	DN
	DRAWN BY:	CC
	REVIEWED BY:	DN
	DATE:	MAY 7, 2025

FIGURE 2



NO.	REVISION	BY	DATE

It is a violation of New York Education Law Article 14B, Sec. 3709, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to prepare or cause to be prepared any drawing, plan, or specification for a building, structure, or work of engineering or construction, or to perform any service in connection with such drawing, plan, or specification, or to use any such drawing, plan, or specification, or to use any such service, unless the person is a duly licensed architect, professional engineer, or land surveyor and the drawing, plan, or specification is signed and sealed by the person and the person's name and the person's professional title are clearly legible on the drawing, plan, or specification.

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UPGRADIENT WELL MONITORING
WELL REPORT
WARBURTON AVE APARTMENTS
WARBURTON DRY CLEANERS SITE
CITY OF YONKERS NY

DRAWING TITLE	ISSUED FOR	DESIGNED BY:	DRAWN BY:	REVIEWED BY:
CROSS SECTION B-B'	FINAL	DN	CC	DN

PROJECT/DRAWING NUMBER

2221378

FIGURE 3

Path: B:\GIS\NY Countywide Westchester\Townwide\Yonkers\SiteData\Warburton Ave Apartments\RFPS\Fig 3 Post Excavation Sampling Locations.aprx
Creator: EG Reviewer: RK

NY-AWQS	
VOCs	(ug/l)
Tetrachloroethene	5
Trichloroethene	5

MW-5 (5')	
10/27/2023	
VOCs	(ug/l)
Tetrachloroethene	ND
Trichloroethene	ND

MW-1D (12.25')	
10/27/2023	
VOCs	(ug/l)
Tetrachloroethene	1600
Trichloroethene	ND

MW-1 (25.5')	
10/27/2023	
VOCs	(ug/l)
Tetrachloroethene	160
Trichloroethene	ND

MW-3 (12.5')	
10/27/2023	
VOCs	(ug/l)
Tetrachloroethene	8.1
Trichloroethene	ND

MW-4 (36.5')	
6/11/2024	
VOCs	(ug/l)
Tetrachloroethene	79
Trichloroethene	2.3
MW-4 (29')	
6/11/2024	
VOCs	(ug/l)
Tetrachloroethene	38
Trichloroethene	0.94
MW-4 (22.5')	
6/11/2024	
VOCs	(ug/l)
Tetrachloroethene	170
Trichloroethene	3.6

MW-6 (36')	
6/11/2024	
VOCs	(ug/l)
Tetrachloroethene	160
Trichloroethene	ND
MW-6 (30')	
6/11/2024	
VOCs	(ug/l)
Tetrachloroethene	2200
Trichloroethene	ND
MW-6 (22.5')	
6/11/2024	
VOCs	(ug/l)
Tetrachloroethene	2400
Trichloroethene	ND

MW-2-NESTED-B (25')	
3/31/2025	
VOCs	(ug/l)
Tetrachloroethene	3500
Trichloroethene	ND
MW-2-NESTED-C (12.5')	
4/1/2025	
VOCs	(ug/l)
Tetrachloroethene	5300
Trichloroethene	ND
MW-2-NESTED-D (2.5')	
4/1/2025	
VOCs	(ug/l)
Tetrachloroethene	820
Trichloroethene	ND

MW-2 (36')	
6/11/2024	
VOCs	(ug/l)
Tetrachloroethene	6000
Trichloroethene	ND
MW-2 (30')	
6/11/2024	
VOCs	(ug/l)
Tetrachloroethene	7800
Trichloroethene	ND
MW-2 (22.5')	
6/11/2024	
VOCs	(ug/l)
Tetrachloroethene	8400
Trichloroethene	ND

MW-6-NESTED-B (26')	
3/31/2025	
VOCs	(ug/l)
Tetrachloroethene	19
Trichloroethene	ND
MW-6-NESTED-C (16')	
4/1/2025	
VOCs	(ug/l)
Tetrachloroethene	470
Trichloroethene	ND
MW-6-NESTED-D (6.5')	
4/1/2025	
VOCs	(ug/l)
Tetrachloroethene	810
Trichloroethene	ND

Notes:
NY-AWQS: New York TOGS 1.1.1 Ambient Water Quality Standards, including all criteria updates through June 2004.
ND: Not Detected at the sample's reporting limit.

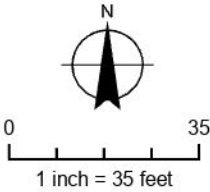
New York State, Maxar, Microsoft



Warburton Avenue
Apartments, LLC

305-321 Warburton Ave, 32
Point St, and 247-262A
Woodworth Ave,
Yonkers, NY 10701

PRB Upgradient Well
Monitoring Report



- Site Boundary
- Historic Monitoring Wells
- Upgradient Nested Monitoring Wells

Groundwater PCE and
TCE Results

FIGURE 4

LaBella Project No: 2221378
Date: June 2025



TABLES

Table 1
Upgradient PRB Monitoring Well Sampling
Depth to Water Summary
Warburton Dry Cleaners Site
DEC no. C360227

Well	Well Depth	Date of Installation	Approximate Screened Interval	Depth to Groundwater (03/21/2025)	Depth to Groundwater (03/24/25)	Depth to Groundwater (03/25/2025)	Depth to Groundwater (03/26/2025)	Depth to Groundwater (04/15/2025)
	(ft bgs)	(mm/dd/yyyy)	(ft bgs)	(ft bgs)	(ft bgs)	(ft bgs)	(ft bgs)	(ft bgs)
MW-2-Nested A	65.55	3/19/2025	60.55-65.55	64.56	64.53	64.55	64.53	64.55
MW-2-Nested B	75.07	3/19/2025	70.07-75.07	66.84	66.85	66.84	66.95	66.80
MW-2-Nested C	87.05	3/19/2025	82.05-87.05	67.19	67.18	67.15	67.13	66.94
MW-2-Nested D	96.80	3/19/2025	91.80-96.80	67.37	67.33	67.30	67.25	66.85
MW-6-Nested A	62.30	3/20/2025	57.30-62.30	64.39	64.46	64.39	64.39	-
MW-6-Nested B	72.52	3/20/2025	67.52-72.52	69.22	66.13	69.22	69.20	66.04
MW-6-Nested C	82.48	3/20/2025	77.48-82.48	69.23	66.14	69.23	69.15	66.05
MW-6-Nested D	92.60	3/20/2025	87.60-92.60	69.47	66.48	69.47	69.45	66.40

Notes:

ft bgs - Feet below ground surface

Table 2
Upgradient PRB Monitoring Well Sampling
Groundwater Analytical Results
Warburton Dry Cleaners Site
DEC Site No. C360227

WELL ID:	NY-AWQS	MW-2 NESTED-B (70-75)		MW-2 NESTED-C (81-86)		MW-2 NESTED-D (90-95)		MW-6 NESTED-B (70-75)		MW-6 NESTED-C (80-85)		MW-6 NESTED-D (90-95)	
COLLECTION DATE:		3/31/2025		4/1/2025		4/1/2025		3/31/2025		4/1/2025		4/1/2025	
LAB ID:		L2519480-01		L2519480-02		L2519480-03		L2519480-04		L2519480-05		L2519480-06	
SAMPLE MATRIX:		WATER		WATER		WATER		WATER		WATER		WATER	
ANALYTE	(ug/l)	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
VOLATILE ORGANICS BY GC/MS													
Methylene chloride	5	100	U	120	U	25	U	0.96	J	12	U	25	U
1,1-Dichloroethane	5	100	U	120	U	25	U	2.5	U	12	U	25	U
Chloroform	7	100	U	120	U	25	U	11	J	11	J	25	U
Carbon tetrachloride	5	20	U	25	U	5	U	0.5	U	2.5	U	5	U
1,2-Dichloropropane	1	40	U	50	U	10	U	1	U	5	U	10	U
Dibromochloromethane	50	20	U	25	U	5	U	0.5	U	2.5	U	5	U
1,1,2-Trichloroethane	1	60	U	75	U	15	U	1.5	U	7.5	U	15	U
Tetrachloroethene	5	3500	J	5300	J	820	J	19	J	470	J	810	J
Chlorobenzene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
Trichlorofluoromethane	5	100	U	120	U	25	U	2.5	U	12	U	25	U
1,2-Dichloroethane	0.6	20	U	25	U	5	U	0.5	U	2.5	U	5	U
1,1,1-Trichloroethane	5	100	U	120	U	25	U	2.5	U	12	U	25	U
Bromodichloromethane	50	20	U	25	U	5	U	0.5	U	2.5	U	5	U
trans-1,3-Dichloropropene	0.4	20	UJ	25	U	5	UJ	0.5	UJ	2.5	UJ	5	UJ
cis-1,3-Dichloropropene	0.4	20	UJ	25	U	5	UJ	0.5	UJ	2.5	UJ	5	UJ
1,3-Dichloropropene, Total		20	U	25	U	5	U	0.5	U	2.5	U	5	U
1,1-Dichloropropene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
Bromoform	50	80	U	100	UJ	20	U	2	U	10	U	20	U
1,1,2,2-Tetrachloroethane	5	20	U	25	U	5	U	0.5	U	2.5	U	5	U
Benzene	1	20	U	25	U	5	U	0.5	U	2.5	U	5	U
Toluene	5	100	U	120	U	25	U	2.6	U	12	U	25	U
Ethylbenzene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
Chloromethane		100	UJ	120	U	25	UJ	2.5	UJ	12	UJ	25	UJ
Bromomethane	5	100	U	120	UJ	25	U	2.5	U	12	U	25	U
Vinyl chloride	2	40	U	50	U	10	U	1	U	5	U	10	U
Chloroethane	5	100	U	120	U	25	U	2.5	U	12	U	25	U
1,1-Dichloroethene	5	20	U	25	U	5	U	0.5	U	2.5	U	5	U
trans-1,2-Dichloroethene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
Trichloroethene	5	20	U	25	U	5	U	0.5	U	2.5	U	5	U
1,2-Dichlorobenzene	3	100	U	120	U	25	U	2.5	U	12	U	25	U
1,3-Dichlorobenzene	3	100	U	120	U	25	U	2.5	U	12	U	25	U
1,4-Dichlorobenzene	3	100	U	120	U	25	U	2.5	U	12	U	25	U
Methyl tert butyl ether	10	100	U	120	U	25	U	2.5	U	12	U	25	U
p/m-Xylene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
o-Xylene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
cis-1,2-Dichloroethene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
Dibromomethane	5	200	U	250	U	50	U	5	U	25	U	50	U
1,2,3-Trichloropropane	0.04	100	U	120	U	25	U	2.5	U	12	U	25	U
Acrylonitrile	5	200	U	250	U	50	U	5	U	25	U	50	U
Styrene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
Dichlorodifluoromethane	5	200	UJ	250	U	50	UJ	5	J	25	UJ	50	UJ
Acetone	50	200	UJ	250	U	50	UJ	3.1	J	25	UJ	50	UJ
Carbon disulfide	60	200	U	250	U	50	U	5	U	25	U	50	U
2-Butanone	50	200	UJ	250	UJ	50	UJ	5	UJ	25	UJ	50	UJ
Vinyl acetate		200	UJ	250	U	50	UJ	5	UJ	25	UJ	50	UJ
4-Methyl-2-pentanone		200	UJ	250	U	50	UJ	5	UJ	25	UJ	50	UJ
2-Hexanone	50	200	UJ	250	UJ	50	UJ	5	UJ	25	UJ	50	UJ
Bromochloromethane	5	100	U	120	U	25	U	2.5	U	12	U	25	U
2,2-Dichloropropane	5	100	U	120	U	25	U	2.5	U	12	U	25	U
1,2-Dibromoethane	0.0006	80	U	100	U	20	U	2	U	10	U	20	U
1,3-Dichloropropane	5	100	U	120	U	25	U	2.5	U	12	U	25	U
1,1,1,2-Tetrachloroethane	5	100	U	120	U	25	U	2.5	U	12	U	25	U
Bromobenzene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
n-Butylbenzene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
sec-Butylbenzene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
tert-Butylbenzene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
o-Chlorotoluene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
p-Chlorotoluene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
1,2-Dibromo-3-chloropropane	0.04	100	U	120	U	25	U	2.5	U	12	U	25	U
Hexachlorobutadiene	0.5	100	U	120	U	25	U	2.5	U	12	U	25	U
Isopropylbenzene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
p-Isopropyltoluene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
Naphthalene	10	100	U	120	U	25	U	2.5	U	12	U	25	U
n-Propylbenzene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
1,2,3-Trichlorobenzene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
1,2,4-Trichlorobenzene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
1,3,5-Trimethylbenzene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
1,2,4-Trimethylbenzene	5	100	U	120	U	25	U	2.5	U	12	U	25	U
1,4-Dioxane	0.35	10000	U	12000	U	2500	U	250	U	1200	U	2500	UJ
p-Diethylbenzene		80	U	100	U	20	U	2	U	10	U	20	U
p-Ethyltoluene		80	U	100	U	20	U	2	U	10	U	20	U
1,2,4,5-Tetramethylbenzene	5	80	U	100	U	20	U	2	U	10	U	20	U
Ethyl ether		100	U	120	U	25	U	2.5	U	12	U	25	U
trans-1,4-Dichloro-2-butene	5	100	UJ	120	U	25	UJ	2.5	UJ	12	UJ	25	UJ

Notes:

* Comparison is not performed on parameters with non-numeric criteria.

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards & Guidance Values Criteria per Standards & Guidance Values including all addenda through February 2023.

U - Not detected at the reported detection limit for the sample.

J - The concentration given is an approximate value.

Table 3
Upgradient PRB Monitoring Well Sampling
Soil Analytical Results
Warburton Dry Cleaners Site
DEC Site No. C360227

SAMPLE ID:	NY-UUSCOs	NY-RRSCOs	MW-6 NESTED (50)		MW-6 NESTED (92)		MW-2 NESTED (23)		MW-2 NESTED (59)		MW-2 NESTED (97)	
COLLECTION DATE:			3/17/2025		3/18/2025		3/19/2025		3/19/2025		3/20/2025	
LAB ID:			L2515411-01		L2515644-01		L2516110-01		L2516110-02		L2516543-01	
SAMPLE MATRIX:			SOIL		SOIL		SOIL		SOIL		SOIL	
ANALYTE		(mg/kg)	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
VOLATILE ORGANICS BY EPA 5035												
Methylene chloride	0.05	100	0.0057	U	0.022	U	0.0045	U	14		0.0039	U
1,1-Dichloroethane	0.27	26	0.0011	U	0.0044	U	0.0009	U	0.00098	U	0.00078	U
Chloroform	0.37	49	0.0017	U	0.0066	U	0.0014	U	0.00015	J	0.0012	U
Carbon tetrachloride	0.76	2.4	0.0011	U	0.0044	U	0.0009	U	0.00098	U	0.00078	U
1,2-Dichloropropane			0.0011	U	0.0044	U	0.0009	U	0.00098	U	0.00078	U
Dibromochloromethane			0.0011	U	0.0044	U	0.0009	U	0.00098	U	0.00078	U
1,1,2-Trichloroethane			0.0011	U	0.0044	U	0.0009	U	0.00098	U	0.00078	U
Tetrachloroethene	1.3	19	0.0023		0.01		0.003	J	0.0041		0.00039	U
Chlorobenzene	1.1	100	0.00057	U	0.0022	U	0.00045	U	0.00049	U	0.00039	U
Trichlorofluoromethane			0.0046	U	0.018	U	0.0036	U	0.0039	UJ	0.0031	U
1,2-Dichloroethane	0.02	3.1	0.0011	U	0.0044	U	0.0009	U	0.00098	U	0.00078	U
1,1,1-Trichloroethane	0.68	100	0.00057	U	0.0022	U	0.00045	U	0.00049	U	0.00039	U
Bromodichloromethane			0.00057	U	0.0022	U	0.00045	U	0.00049	U	0.00039	U
trans-1,3-Dichloropropene			0.0011	U	0.0044	U	0.0009	U	0.00098	U	0.00078	U
cis-1,3-Dichloropropene			0.00057	U	0.0022	U	0.00045	U	0.00049	U	0.00039	U
1,3-Dichloropropene, Total			0.00057	U	0.0022	U	0.00045	U	0.00049	U	0.00039	U
1,1-Dichloropropene			0.00057	U	0.0022	U	0.00045	U	0.00049	U	0.00039	U
Bromoform			0.0046	U	0.018	U	0.0036	U	0.0039	U	0.0031	U
1,1,2,2-Tetrachloroethane			0.00057	U	0.0022	UJ	0.00045	U	0.00049	U	0.00039	U
Benzene	0.06	4.8	0.00026	J	0.0022	U	0.0049		0.003		0.00039	U
Toluene	0.7	100	0.0029		0.0044	U	0.029		0.016		0.00078	U
Ethylbenzene	1	41	0.0011	U	0.0044	U	0.015		0.00052	J	0.00078	U
Chloromethane			0.0046	UJ	0.018	UJ	0.0036	U	0.0037	J	0.0031	UJ
Bromomethane			0.0023	UJ	0.0088	U	0.0018	U	0.002	UJ	0.0016	UJ
Vinyl chloride	0.02	0.9	0.0011	U	0.0044	UJ	0.0009	U	0.00098	U	0.00078	U
Chloroethane			0.0023	U	0.0088	U	0.0018	U	0.00072	UJ	0.0016	U
1,1-Dichloroethene	0.33	100	0.0011	U	0.0044	U	0.0009	U	0.00098	U	0.00078	U
trans-1,2-Dichloroethene	0.19	100	0.0017	U	0.0066	U	0.0014	U	0.0015	U	0.0012	U
Trichloroethene	0.47	21	0.00057	U	0.0022	U	0.00045	U	0.00049	U	0.00039	U
1,2-Dichlorobenzene	1.1	100	0.0023	U	0.0088	U	0.0018	U	0.002	U	0.0016	U
1,3-Dichlorobenzene	2.4	49	0.0023	U	0.0088	U	0.0018	U	0.002	U	0.0016	U
1,4-Dichlorobenzene	1.8	13	0.0023	U	0.0088	U	0.0018	U	0.002	U	0.0016	U
Methyl tert butyl ether	0.93	100	0.0023	U	0.0088	U	0.0018	U	0.002	U	0.0016	U
p/m-Xylene			0.0023	U	0.0088	U	0.012		0.002	U	0.0016	U
o-Xylene			0.0011	U	0.0044	U	0.015		0.0005	J	0.00078	U
Xylenes, Total	0.26	100	0.0011	U	0.0044	U	0.027		0.0005	J	0.00078	U
cis-1,2-Dichloroethene	0.25	100	0.0011	U	0.0044	U	0.0009	U	0.00098	U	0.00078	U
1,2-Dichloroethene, Total			0.0011	U	0.0044	U	0.0009	U	0.00098	U	0.00078	U
Dibromomethane			0.0023	U	0.0088	UJ	0.0018	U	0.002	U	0.0016	U
Styrene			0.0011	U	0.0044	U	0.002		0.00042	J	0.00078	U
Dichlorodifluoromethane			0.011	U	0.044	U	0.009	U	0.0098	UJ	0.0078	U
Acetone	0.05	100	0.054		0.044	U	0.2		0.74		0.0046	J
Carbon disulfide			0.011	U	0.044	U	0.009	U	0.0098	UJ	0.0078	U
2-Butanone	0.12	100	0.016	J	0.044	UJ	0.13	J	0.0098	UJ	0.0078	U
Vinyl acetate			0.011	U	0.044	UJ	0.009	U	0.0098	UJ	0.0078	U
4-Methyl-2-pentanone			0.011	UJ	0.044	U	0.009	U	0.0098	U	0.0078	U
1,2,3-Trichloropropane			0.0023	U	0.0088	U	0.0018	U	0.002	U	0.0016	U
2-Hexanone			0.011	U	0.044	UJ	0.037		0.0098	U	0.0078	U
Bromochloromethane			0.0023	U	0.0088	U	0.0018	U	0.0026		0.0016	U
2,2-Dichloropropane			0.0023	U	0.0088	U	0.0018	U	0.002	U	0.0016	U
1,2-Dibromoethane			0.0011	U	0.0044	U	0.0009	U	0.00098	U	0.00078	U
1,3-Dichloropropane			0.0023	U	0.0088	U	0.0018	U	0.002	U	0.0016	U
1,1,1,2-Tetrachloroethane			0.00057	U	0.0022	U	0.00045	U	0.00049	U	0.00039	U
Bromobenzene			0.0023	U	0.0088	U	0.0018	U	0.002	U	0.0016	U
n-Butylbenzene	12	100	0.0011	U	0.0044	U	0.0089		0.00098	U	0.00078	U
sec-Butylbenzene	11	100	0.0011	U	0.0044	U	0.00048	J	0.00098	U	0.00078	U
tert-Butylbenzene	5.9	100	0.0023	U	0.0088	U	0.0018	U	0.002	U	0.0016	U
o-Chlorotoluene			0.0023	U	0.0088	U	0.0018	U	0.002	U	0.0016	U
p-Chlorotoluene			0.0023	U	0.0088	U	0.0018	U	0.002	U	0.0016	U
1,2-Dibromo-3-chloropropane			0.0034	U	0.013	U	0.0027	U	0.0029	U	0.0023	U
Hexachlorobutadiene			0.0046	UJ	0.018	U	0.0036	U	0.0039	U	0.0031	U
Isopropylbenzene			0.0011	U	0.0044	U	0.001		0.00098	U	0.00078	U
p-Isopropyltoluene			0.0011	U	0.0044	U	0.00044	J	0.0013		0.00078	U
Naphthalene	12	100	0.0046	U	0.018	U	0.014		0.0039	U	0.0031	U
Acrylonitrile			0.0046	UJ	0.018	UJ	0.0036	U	0.0039	UJ	0.0031	UJ
n-Propylbenzene	3.9	100	0.0011	U	0.0044	U	0.0086		0.00098	U	0.00078	U
1,2,3-Trichlorobenzene			0.0023	U	0.0088	U	0.0018	U	0.002	U	0.0016	U
1,2,4-Trichlorobenzene			0.0023	U	0.0088	U	0.0018	UJ	0.002	U	0.0016	U
1,3,5-Trimethylbenzene	8.4	52	0.0023	U	0.0088	U	0.00098	J	0.002	U	0.0016	U
1,2,4-Trimethylbenzene	3.6	52	0.0023	U	0.0088	U	0.0072		0.002	U	0.0016	U
1,4-Dioxane	0.1	13	0.092	U	0.35	UJ	0.072	U	0.078	UJ	0.062	U
p-Diethylbenzene			0.0023	UJ	0.0088	U	0.00061	J	0.002	U	0.0016	U
p-Ethyltoluene			0.0023	U	0.0088	U	0.015		0.002	U	0.0016	U
1,2,4,5-Tetramethylbenzene			0.0023	U	0.0088	U	0.00052	J	0.002	U	0.0016	U
Ethyl ether			0.0023	U	0.0088	U	0.0018	U	0.002	U	0.0016	U
trans-1,4-Dichloro-2-butene			0.0057	UJ	0.022	U	0.0045	U	0.0049	U	0.0039	U
Total VOCs			0.34892	-	1.1652	-	0.69203	-	5.57103	-	0.2024	-
GENERAL CHEMISTRY												
Solids, Total							95.4		-	-		

Notes:

* Comparison is not performed on parameters with non-numeric criteria.

NY-RRSCOs: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

NY-UUSCOs: New York NYCRR Part 375 Unrestricted-Use Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

U - Not detected at the reported detection limit for the sample.

J - The concentration given is an approximate value.



APPENDIX A

Soil Boring Logs

 LaBella Powered by partnership. 45 MAIN ST #1018, BROOKLYN, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Warburton Dry Cleaners Site 321-322 Warburton Ave, 32 Point St, 247-262A Woodworth Ave Yonkers, NY 10705 BCP Site No C360227			BORING: MW-2-Nested SHEET 1 of 5 JOB: 2221378 CHKD BY: DATE: 3/19/2025	
CONTRACTOR: ADT DRILLER: D. Moon LABELLA REPRESENTATIVE: Wilson Corella			BORING LOCATION: GROUND SURFACE ELEVATION NA START DATE: 3/19/25 END DATE: 3/19/25			TIME: ___ TO ___ DATUM: NA WEATHER: 55 Partly Cloudy	
TYPE OF DRILL RIG: Fraste XL MAX AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Plastic Sleeve Bag			DRIVE SAMPLER TYPE: Core Barrel INSIDE DIAMETER: 1" OTHER:				
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS	
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)				
0	0			No soil recovered.		No recovery due to overdrilling while advancing casing	
1							
2							
3							
4	36			5.0 - 5.6	F Mottled gray/brown CLAY, little MF silt, little concrete/gravel, trace SR grey gravel	0	No odors or staining observed.
5				5.6 - 6.1	SR/SA C gray gravel, little F brown clay, little A C gray gravel	0	
6				6.1 - 7.2	F brown clay, little MF brown silt, little SR/SA C gray gravel, trace MF brown sand, moist	0	
7				7.2 - 9.4	SR/SA C gray gravel, little F brown clay, little A C gray gravel	0	
8							
9	9.4 - 10.0	F brown SAND, trace F brown silt	0	No odors or staining observed.			
10	50		10.0 - 11.0		SR/SA C gray gravel, trace MF gray silt, moist	0	
11			11.0 - 11.4		SR/SA gray gravel, some F brown clay, trace MF gray silt, moist	0	
12			11.4 - 12.4		F brown CLAY, little MF brown silt, trace MF brown sand	0	
13			12.4 - 13.8		MF brown SAND, some SA C gray gravel, trace MF brown silt, compacted	0	
14			13.8 - 14.4		CMF brown/gray SAND with SA C gray gravel	0	
15	51		14.4 - 15.0	MF brown SAND, some SA C gray gravel, little F brown silt, trace MF brown silt, compacted	0	No odors or staining observed.	
16			15.0 - 15.4	CM gray SAND, SA/SR C gray gravel, moist	0		
17			15.4 - 16.0	CM gray SAND, SA/SR C gray gravel, little MF brown silt, dry	0		
18			16.0 - 17.4	CMF brown SAND, some MF brown silt, little SA/SR C gray gravel, trace MF brown clay	0		
19			17.4 - 20.0	CMF brown SAND, some MF brown silt, little SA/SR C gray gravel	0		
20							
WATER LEVEL DATA			DEPTH (FT)			NOTES:	
			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED		
DATE	TIME	ELAPSED TIME					
GENERAL NOTES							
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.							
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER							
BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded							
NA = Not Applicable some = 20 - 35% M = Medium A = Angular							
little = 10 - 20% F = Fine SR = Subrounded							
trace = 1 - 10% VF = Very Fine SA = Subangular							
						BORING:	MW-2-Neste

 LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Warburton Dry Cleaners Site 321-322 Warburton Ave, 32 Point St, 247-262A Woodworth Ave Yonkers, NY 10705 BCP Site No C360227			BORING: MW-2-Nested SHEET 2 of 5 JOB: 2221378 CHKD BY: DATE: 3/19/2025		
CONTRACTOR: ADT LaBella Env. LLC DRILLER: D. Moon LABELLA REPRESENTATIVE: Wilson Corella			BORING LOCATION: GROUND SURFACE ELEVATION NA START DATE: 3/19/25			TIME: ____ TO ____ DATUM: NA WEATHER: 55 Partly Cloudy		
TYPE OF DRILL RIG: Fraste XL MAX AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Plastic sleeve bag						DRIVE SAMPLER TYPE: Core barrel INSIDE DIAMETER: 1" OTHER:		
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS		
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)					
20	54	MW-2-Nested (23)	20.0 - 22.2	CM/C brown SAND, some SR/SA C gray gravel, trace MF brown silt, moist	1.1	No odors or staining observed.		
21			22.2 - 22.5	MF light brown SAND, some SR/SA C gray gravel	2.2			
22			22.5 - 25.0	CM/C brown SAND, some SR/SA C gray gravel, trace MF brown silt, dry	0.2			
23					27.4			
24					9.4			
25					7.8			
26	48		25.0 - 26.0	CM brown SAND, little SA/SR C gray gravel, moist	3.2	No odors or staining observed.		
27			26.0 - 27.9	CM brown SAND, little SA/SR C gray gravel, dry	0			
28			27.9 - 28.3	CM brown SAND, little SA C gray gravel	0			
29			28.3 - 30.0	CM red/brown SAND, trace SA C gray gravel	0			
30	52		30.0 - 30.8	CMF red/brown SAND, saturated	0	No odors or staining observed.		
31			30.8 - 32.3	CMF red/brown SAND, little SR C gray gravel, moist	0			
32			32.3 - 32.9	CMF brown SAND, little SA/SR C gray gravel, little MFsilt, trace F clay, compact	0			
33			32.9 - 33.8	CMF light brown SAND, little MF brown silt with SR C gray gravel	0			
34			33.8 - 35.0	CMF white/gray SAND, weathered rock	0			
35	44		35.0 - 35.3	SR/R C gray GRAVEL, trace C brown sand, saturated	0	No odors or staining observed.		
36			35.3 - 36.1	C brown SAND, little SA/R C gray gravel, moist	0			
37			36.1 - 38.2	C brown SAND, little SA/R C gray gravel, trace MF brown silt	0			
38			38.2 - 38.5	CMF brown SAND, trace MF brown silt, trace SA/SR C gray gravel, compact	0			
39			38.5 - 39.1	C brown SAND, little SA/R C gray gravel, trace MF brown silt, dry	0			
39			39.1 - 39.5	CMF white/gray SAND, weathered rock	0			
40			39.5 - 40.0	CMF light brown SAND, little MF brown silt with SR C gray gravel	0			
WATER LEVEL DATA DATE TIME ELAPSED TIME			DEPTH (FT) BOTTOM OF CASING BOTTOM OF BORING GROUNDWATER ENCOUNTERED			NOTES:		
GENERAL NOTES 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded NA = Not Applicable some = 20 - 35% M = Medium A = Angular little = 10 - 20% F = Fine SR = Subrounded trace = 1 - 10% VF = Very Fine SA = Subangular								
						BORING: MW-2-Nested		

 LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Warburton Dry Cleaners Site 321-322 Warburton Ave, 32 Point St, 247-262A Woodworth Ave Yonkers, NY 10705 BCP Site No C360227			BORING: MW-2-Nested SHEET 3 of 5 JOB: 2221378 CHKD BY: DATE: 3/19/2025	
CONTRACTOR: ADT LaBella Env. LLC DRILLER: D. Moon LABELLA REPRESENTATIVE: Wilson Corella			BORING LOCATION: GROUND SURFACE ELEVATION NA START DATE: 3/19/25 END DATE: 3/19/25			TIME: ____ TO ____ DATUM: NA WEATHER: 55 Partly Cloudy	
TYPE OF DRILL RIG: Fraste XL MAX AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Plastic sleeve bag			DRIVE SAMPLER TYPE: Core barrel INSIDE DIAMETER: 1" OTHER:				
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS	
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)				
40	48		40.0 - 42.1	SA/SR CM/C brown GRAVEL, some MF brown sand, some SR C gray rocks, moist	0	No odors or staining observed	
41			42.1 - 42.8	SR C brown GRAVEL, trace MF brown sand, moist	0		
42			42.8 - 44.2	CMF Red/brown SAND, some SR/SA C gray gravel	0		
43			44.2 - 45.0	MF red/brown SAND, trace MF brown silt	0		
44	34		45.0 - 46.2	CMF brown SAND, some SR C gray gravel, overly saturated	0	No odors or staining observed	
45			46.2 - 47.2	SR/SA C brown GRAVEL, with R C gray gravel, little MF brown sand	0.1		
46			47.2 - 47.9	MF brown SAND, little F brown clay, little MF brown silt, trace SR C gray gravel	0.2		
47			47.9 - 49.0	MF brown SAND, little SR/SA C gray gravel, trace MF brown silt, moist	0.8		
48			49.0 - 50.0	MF brown SAND, little SR/SA C gray gravel, trace MF brown silt, dry	0.2		
49	40		50.0 - 50.5	SR/R C gray gravel		No odors or staining observed	
50			50.5 - 50.8	CMF brown SAND, trace SR/R C gray gravel, moist	0		
51			50.8 - 52.5	CMF brown SAND, trace SA C brown gravel, moist	0		
52			52.5 - 53.3	CMF brown SAND, trace SA C brown gravel, dry	9.2		
53			53.3 - 53.8	MF white/off white SAND little SA/SR C gray gravel,	17.8		
54	36		53.8 - 55.0	CMF light brown SAND, some SR C gray gravel	5.1	Odors present at 58-60ft bgs	
55			55.0 - 56.1	MF brown SAND and SR/R C brown gravel, little SA/A C gray gravel, saturated (groundwater encountered)	8.8		
56			56.1 - 57.8	MF brown SAND and SR/R C brown gravel, little SA/A C gray gravel, moist	6.5		
57			57.8 - 58.1	CMF gray/white SAND, some SA C gray gravel	2.1		
58			58.1 - 58.6	Rock	5.9		
59			58.6 - 60.0	MF brown SAND, trace MF brown silt, odors present.	40.1		
60					44.2		
			DEPTH (FT)			NOTES: Groundwater present at 55.0ft bgs, indicated by presence of saturated soils.	
WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED		
DATE	TIME	ELAPSED TIME					
					55		
GENERAL NOTES 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded NA = Not Applicable some = 20 - 35% M = Medium A = Angular little = 10 - 20% F = Fine SR = Subrounded trace = 1 - 10% VF = Very Fine SA = Subangular							
						BORING: MW-2-Nes	

 LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Warburton Dry Cleaners Site 321-322 Warburton Ave, 32 Point St, 247-262A Woodworth Ave Yonkers, NY 10705 BCP Site No C360227			BORING: MW-2-Nested SHEET 4 of 5 JOB: 2221378 CHKD BY: DATE: 3/19/2025		
CONTRACTOR: ADT LaBella Env. LLC DRILLER: D. Moon LABELLA REPRESENTATIVE: Wilson Corella			BORING LOCATION: GROUND SURFACE ELEVATION NA START DATE: 3/19/25 END DATE: 3/19/25			TIME: ____ TO ____ DATUM: NA WEATHER: 55 Partly Cloudy		
TYPE OF DRILL RIG: Fraste XL MAX AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Plastic sleeve bag			DRIVE SAMPLER TYPE: Core barrel INSIDE DIAMETER: 1" OTHER:					
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS		
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)					
60	46		60.0 - 61.1	CM brown SAND, little SA/SR C gray gravel, saturated	0	No odors or staining were observed		
61			61.1 - 63.0	CM brown SAND, little SA/SR C gray gravel, moist	0			
62			63.0 - 63.9	F light brown/yellow CLAY with MF brown sand, some SA C gray gravel	0			
63			63.9 - 65.0	F light brown/yellow CLAY with MD brown sand, some SA C gray gravel, compact, cementitious	0			
64	58		65.0 - 66.0	MF to F tan/yellow/brown CLAY, some MF brown sand, trace muscovite mica flakes	0.2	No odors or staining were observed		
65			66.0 - 68.8	F/VF brown CLAY, some MF brown silt, little mf brown sand, trace SR C gray gravel, trace muscovite mica flakes	0			
66			68.8 - 69.5	F/VF brown/orange mottled CLAY with MF brown sand, trace MF brown silt, compacted	0.4			
67			69.5 - 70.0	F/VF dark brown/brown CLAY, some MF brown sand, cementitious	0.4			
68			70.0 - 70.8	VF brown CLAY, little MF brown silt	1.1			
69	60		70.8 - 71.2	F brown CLAY, little MF brown silt, little MF brown sand, moist	0.6	No odors or staining were observed		
70			71.2 - 72.0	VF brown/gray/orange mottled CLAY, little MF brown silt	1.2			
71			72.0 - 73.3	F brown SAND, little F brown clay, little MF brown silt, trace muscovite mica flakes, moist	1.3			
72			73.3 - 73.8	F brown SAND, little F brown clay, little MF brown silt, trace muscovite mica flakes, dry	0.4			
73			73.8 - 75.0	CF brown/light brown SAND with striations, little MF brown silt, trace F brown clay	2.6			
74	52		75.0 - 76.5	CMF orange/brown SAND, little MF brown silt, compacted	9.6	No odors or staining were observed		
75			76.5 - 77.5	MF/F brown/light brown/white mottled SAND, little MF brown silt, trace SA/SR C gray gravel, moist, compact	12.3			
76			77.5 - 78.3	F/VF light brown/pink/white SAND, some F brown clay, trace gravel	0.7			
77			78.3 - 79.6	CMF light brown/yellow SAND, trace f brown clay, trace SA C gray gravel, compacted	7.2			
78			79.6 - 80.0	CMF light brown/yellow SAND, trace MF brown silt, trace MF brown clay	6.3			
79					7.8			
80					0.5			
					5			
					0.4			
					0			
					0			
					0			

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.

2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface

NA = Not Applicable

and = 35 - 50%

some = 20 - 35%

little = 10 - 20%

trace = 1 - 10%

C = Coarse

M = Medium

F = Fine

VF = Very Fine

R = Rounded

A = Angular

SR = Subrounded

SA = Subangular

BORING: MW-2-Nested

 300 STATE STREET, ROCHESTER, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Warburton Dry Cleaners Site 321-322 Warburton Ave, 32 Point St, 247-262A Woodworth Ave Yonkers, NY 10705 BCP Site No C360227			BORING: MW-2-Nested SHEET 5 of 5 JOB: 2221378 CHKD BY: DATE: 3/19/2025		
CONTRACTOR: ADT LaBella Env. LLC DRILLER: D. Moon LABELLA REPRESENTATIVE: Wilson Corella			BORING LOCATION: GROUND SURFACE ELEVATION NA START DATE: 3/19/25 END DATE: 3/19/25			TIME: ____ TO ____ DATUM: NA WEATHER: 55 Partly Cloudy		
TYPE OF DRILL RIG: Fraste XL MAX AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Plastic sleeve bag			DRIVE SAMPLER TYPE: Core barrel INSIDE DIAMETER: 1" OTHER:					
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS		
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)					
80	44"		80.0 - 80.6	CM light brown sand, saturated	0			
81			80.6 - 81.6	CMF mottled light brown/ brown/pink sand, little clay, trace gravel, compact, moist	1.1			
82			81.6 - 82.7	CMF mottled light brown/ brown/pink sand, with clay, little silt, trace gravel, compact, moist	0.5			
83			82.7 - 83.9	MF light brown sand, some SA gravel	0.2			
84			83.9 - 85	MF Dark brown / Brown, Sand, little gravel, track SA rocks, compact	0.1			
85	30"		85 - 86	C light brown SAND, saturated	0.9			
86			86 - 87.7	F/VF grey/brown clay with silt, trace C grey gravel	0.5			
87			87.7 - 90.0	MF light brown sand with SA grey rocks with grey gravel	0.9			
88					1.5			
89					4.3			
90	36		90.0 - 91.1	F brown/gray CLAY, little MF brown sand, trace SR/SA C gray gravel, moist	0	No odors or staining observed		
91			91.1 - 92.2	F gray/brown SAND, little F brown clay, moist	0			
92			92.2 - 93.6	F gray/brown SAND, little F brown clay, trace SA C gray gravel, dry	0			
93			93.6 - 94.7	CMF white SAND, some SA C gray weathered gravel	0			
94			94.7 - 95.0	C gray gravel	0			
95	24		95 - 97	VF grey clay, some silt, saturated, some weathered rock	1.2			
96		MW-2-Nested (97)						
97	0			No soil recovered. Boring terminated at 100 ft.	1.1	No recovery due to overdrilling due to refusal, bedrock is presumed to be encountered.		
98								
99								
100								
WATER LEVEL DATA			DEPTH (FT)			NOTES:		
			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED			
DATE	TIME	ELAPSED TIME						
GENERAL NOTES 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded NA = Not Applicable some = 20 - 35% M = Medium A = Angular little = 10 - 20% F = Fine SR = Subrounded trace = 1 - 10% VF = Very Fine SA = Subangular								
						BORING: MW-2-Nested		

 LaBella Powered by partnership. 45 Main St, #1018, Brooklyn, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Warburton Dry Cleaners Site 321-322 Warburton Ave, 32 Point St, 247-262A Woodworth Ave Yonkers, NY 10705 BCP Site No C360227			BORING: MW-6 SHEET 1 of 5 JOB: 2221378 CHKD BY: DATE: 3/19/2025		
CONTRACTOR: ADT			BORING LOCATION:			TIME: 10:00 TO 12:00		
DRILLER: D. Moon			GROUND SURFACE ELEVATION NA			DATUM: NA		
LABELLA REPRESENTATIVE: Wilson Corella			START DATE: 3/17/25			END DATE: 3/18/25		
WEATHER: Rain								
TYPE OF DRILL RIG: Fraste XL MAX						DRIVE SAMPLER TYPE: Core Barrel		
AUGER SIZE AND TYPE: NA						INSIDE DIAMETER: 4"		
OVERBURDEN SAMPLING METHOD: Plastic Sleeve Bag						OTHER:		
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS		
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)					
0	0			No soil recovered.		No recovery due to overdrilling while advancing casing		
1								
2								
3								
4	40"			5.0 - 6.0	MF brown Sand, little MF brown SILT, little clay, little SA C gray gravel, trace SR grey rocks	0.0	No odors or staining observed.	
5								
6								
7								
8	56"			6.0 - 7.8	MF tan brown SILT, some CLAY, little SAND, Trace gray gravel, saturated	0.2	No odors or staining observed.	
9								
10								
11								
12	60"			7.8 - 8.1	MF brown SAND, trace silt, trace clay, trace SR C gray gravel, trace pebbles, dry	0.0	No odors or staining observed.	
13								
14								
15								
16				8.1 - 10.0	MF brown SAND, little SA C gray gravel, dry	0.0	No odors or staining observed.	
17								
18								
19								
20				10.0 - 10.5	Slough	0.0	No odors or staining observed.	
21								
22								
23								
24				10.5 - 11.4	CMF brown/reddish brown SAND, trace silt, little SA C light beige gravel, some SA C gray rocks	0.0	No odors or staining observed.	
25								
26								
27								
28				11.4 - 14.1	MF brown SILT, some sand, poorly graded, little SA C gray gravel, little SR brown rocks	0.2	No odors or staining observed.	
29								
30								
31								
32				14.1 - 15.0	MF to F brown SILT, some sand, little F clay	0.0	No odors or staining observed.	
33								
34								
35								
36				15.0 - 15.5	MF to F brown SILT, some sand, little F clay	0	No odors or staining observed.	
37								
38								
39								
40				15.5 - 15.8	CMF brown SAND with C black sand	0	No odors or staining observed.	
41								
42								
43								
44				15.8 - 17.5	CMF brown SILT with sand, trace clay	0.6	No odors or staining observed.	
45								
46								
47								
48				17.5 - 18.3	CMF brown/gray brown SAND, some silt, some A to SA gray gravels and rocks	0	No odors or staining observed.	
49								
50								
51								
52				18.3 - 20.0	MF brown/red brown SILT, trace F brown clay, some SA C gray gravel	0	No odors or staining observed.	
53								
54								
55								
WATER LEVEL DATA			DEPTH (FT)			NOTES:		
			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED			
DATE	TIME	ELAPSED TIME						
GENERAL NOTES								
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.								
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER								
BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded								
NA = Not Applicable some = 20 - 35% M = Medium A = Angular								
little = 10 - 20% F = Fine SR = Subrounded								
trace = 1 - 10% VF = Very Fine SA = Subangular								
						BORING: MW-6		

LaBella Powered by partnership. 45 Main St, #1018, Brooklyn, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Warburton Dry Cleaners Site 321-322 Warburton Ave, 32 Point St, 247-262A Woodworth Ave Yonkers, NY 10705 BCP Site No C360227			BORING: MW-6 SHEET: 2 of 5 JOB: 2221378 CHKD BY: DATE: 3/18/2025		
CONTRACTOR: ADT DRILLER: D. Moon LABELLA REPRESENTATIVE: Wilson Corella			BORING LOCATION: GROUND SURFACE ELEVATION: NA START DATE: 3/17/25			TIME: 12:00 TO 14:00 DATUM: NA WEATHER: Rain		
TYPE OF DRILL RIG: Fraste XL MAX AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Plastic sleeve bag			DRIVE SAMPLER TYPE: Core Barrel INSIDE DIAMETER: 4" OTHER:					
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS		
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)					
20	52"		20.0 - 20.6	CMF brown SAND, little silt, trace F clay, little SA C gray rocks, saturated	0	No odors or staining observed.		
21			20.6 - 22.5	CMF mottled brown/orange, black SAND, little silt, trace F clay, little SA C gray rocks, little white C sand, moist	0.1			
22			22.5 - 23.5	MF brown SAND, some silt, little F clay, little SR gray gravel and rocks	0			
23			23.5 - 25.0	CMF mottled brown/dark brown SAND, trace MF brown silt, some SA C brown gravel	0			
24	58"		25.0 - 25.7	CM brown SAND, little rocks, little gravel	0	No odors or staining observed.		
25			25.7 - 27.6	CM red/brown SAND, little SA/SR C gray/brown gravel	0.2			
26			27.6 - 27.9	CMF yellow/brown SAND, some SA C gray gravel	0			
27			27.9 - 30.0	CMF mottled red brown/brown/light brown SAND with SA C gray gravel, compact	0			
28	54"		30.0 - 30.7	CMF brown SAND, trace silt, some SA/SR gray gravel	0	No odors or staining observed.		
29			30.7 - 31.1	CMF brown SAND, trace silt, some SA/SR gray gravel with large rocks	0			
30			31.1 - 31.3	VF yellow brown sand	0			
31			31.3 - 33.9	CM brown/red brown sand and gravel with A/SA/SR C gray gravel, some large rocks	0			
32	48"		33.9 - 35.0	VF brown SAND	0	No odors or staining observed.		
33			35.0 - 37.9	C brown/red brown SAND with SA/SR C gray gravel, some SR C gray rocks, wet	0			
34			37.9 - 39.4	CMF brown SAND, some SA/SR gray gravel, some SR brown rocks	0			
35			39.4 - 40.0	CMF brown SAND, some SA/SR gray gravel, little MF brown silt, compact	0			
36				DEPTH (FT)			\	
WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED			
DATE	TIME	ELAPSED TIME						
GENERAL NOTES 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER								
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						BORING: MW-6		

 LaBella Powered by partnership. 45 Main St, #1018, Brooklyn, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Warburton Dry Cleaners Site 321-322 Warburton Ave, 32 Point St, 247-262A Woodworth Ave Yonkers, NY 10705 BCP Site No C360227			BORING: MW-6 SHEET: 3 OF 5 JOB: 2221378 CHKD BY: DATE: 3/18/2025		
CONTRACTOR: ADT DRILLER: D. Moon LABELLA REPRESENTATIVE: Wilson Corella			BORING LOCATION: GROUND SURFACE ELEVATION: NA START DATE: 3/17/25			TIME: 14:00 TO 15:00 DATUM: NA WEATHER: Rain		
TYPE OF DRILL RIG: Fraste XL MAX AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Plastic Sleeve Bag			DRIVE SAMPLER TYPE: Core Barrel INSIDE DIAMETER: 4" OTHER:					
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS		
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)					
40	46"		40.0 - 42.0	CMF brown SAND, trace MF silt, trace F clay, some SR C gray gravel and SR rocks, saturated	0	No odors or staining was observed		
41			42.0 - 42.8	MF brown SAND, little SR/SA gray gravel, little rocks	0			
42			42.8 - 43.3	F light brown SAND some SR C gray gravel	0			
43			43.3 - 45.0	F brown SAND, little SR C gray gravel, trace MF brown silt	0			
44	42"		45.0 - 46.4	CM brown/black/white SAND, wet	0			
45			46.4 - 48.3	CMF brown/red brown SAND	0.2			
46					0.1			
47					1.9			
48					15.1			
49	MW-6 Nested (49)	48.3 - 49.0	F light brown SAND with SR/R gray/brown gravel and rocks	36.1				
49		49.0 - 49.8	F brown SAND, little SR C gray gravel, odor	58				
50		49.8 - 50.0	CMF brown SAND, trace MF brown silt, trace F brown clay, odor	0.2				
51	38"		50.0 - 50.8	C brown SAND, trace SR rocks, saturated	0	No odors or staining was observed		
52			50.8 - 53.7	CMF brown SAND, little SA C gray gravel, trace MF silt				
53			53.7 - 55.0	MF light brown SAND, some SA/SR C gray gravel and rocks	0			
54	50"		55.0 - 58.0	CMF brown SAND, with SR C gray gravel, trace MF silt, trace C sand	0	No odors or staining was observed		
55			58.0 - 59.2	SA CM brown sand and gravel, little SA C gray gravel	0.3			
56			59.2 - 60.0	CMF brown SAND, with SR C gray gravel, trace MF brown silt, trace C brown sand	0	water table was presumed to be hit between 55-60 ft		
57								
58								
59								
60								
WATER LEVEL DATA			DEPTH (FT)		NOTES:			
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED			
GENERAL NOTES 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER								
BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded NA = Not Applicable some = 20 - 35% M = Medium A = Angular little = 10 - 20% F = Fine SR = Subrounded trace = 1 - 10% VF = Very Fine SA = Subangular								
						BORING: MW-6		

 LaBella Powered by partnership. 45 Main St, #1018, Brooklyn, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Warburton Dry Cleaners Site 321-322 Warburton Ave, 32 Point St, 247-262A Woodworth Ave Yonkers, NY 10705 BCP Site No C360227			BORING: MW-6 SHEET: 4 of 5 JOB: 2221378 CHKD BY: DATE: 3/18/2025	
CONTRACTOR: ADT DRILLER: D. Moon LABELLA REPRESENTATIVE: Wilson Corella			BORING LOCATION: GROUND SURFACE ELEVATION NA START DATE: 3/17/25 END DATE: 03/18/25			TIME: 15:00 TO 9:00 DATUM: NA WEATHER: Rain	
TYPE OF DRILL RIG: Geoprobe _____ AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Direct Push			DRIVE SAMPLER TYPE: Macrocore INSIDE DIAMETER: 2" OTHER:				
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS	
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)				
60	38"		60.0 - 61.6	CMF brown SAND with SR C gray gravel, trace MF brown silt, saturated	0	No odors or staining was observed.	
61			61.6 - 62.6	CMF brown SAND , some SR C brown gravel, trace MF silt	0		
62			62.6 - 63.7	MF brown SAND, trace MF silt	0.1		
63			63.7 - 65.0	MF light brown SAND, some SA C gray gravel and rocks	0		
64	60"		65.0 - 65.7	slough	0	No odors or staining was observed.	
65			65.7 - 67.2	MF tan brown CLAY, some silt, some SAND, little SA gravel, wet	0		
66			67.2 - 70.0	F brown CLAY, some SILT, trace F SAND	0		
67	60"		70.0 - 71.5	MF brown SILT, little clay, trace sand	0	No odors or staining was observed.	
68			71.5 - 72.7	MF brown SILT, little clay, trace sand, compact	0		
69			72.7 - 74.3	MF mottled brown/dark brown SILT, some MF brown clay, trace MF brown sand	0		
70			74.3 - 75.0	F grey/brown CLAY	0		
71	49"		75.0 - 78.7	MF brown SAND, trace MF silt	0	No odors or staining was observed.	
72			78.7 - 80.0	F brown/gray CLAY, some A C grey gravel	0		
73							
74							
75							
76							
77							
78							
79							
80							
WATER LEVEL DATA DATE TIME ELAPSED TIME			DEPTH (FT) BOTTOM OF CASING BOTTOM OF BORING GROUNDWATER ENCOUNTERED		NOTES:		
GENERAL NOTES 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER							
BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded NA = Not Applicable some = 20 - 35% M = Medium A = Angular little = 10 - 20% F = Fine SR = Subrounded trace = 1 - 10% VF = Very Fine SA = Subangular							
						BORING: MW-6	

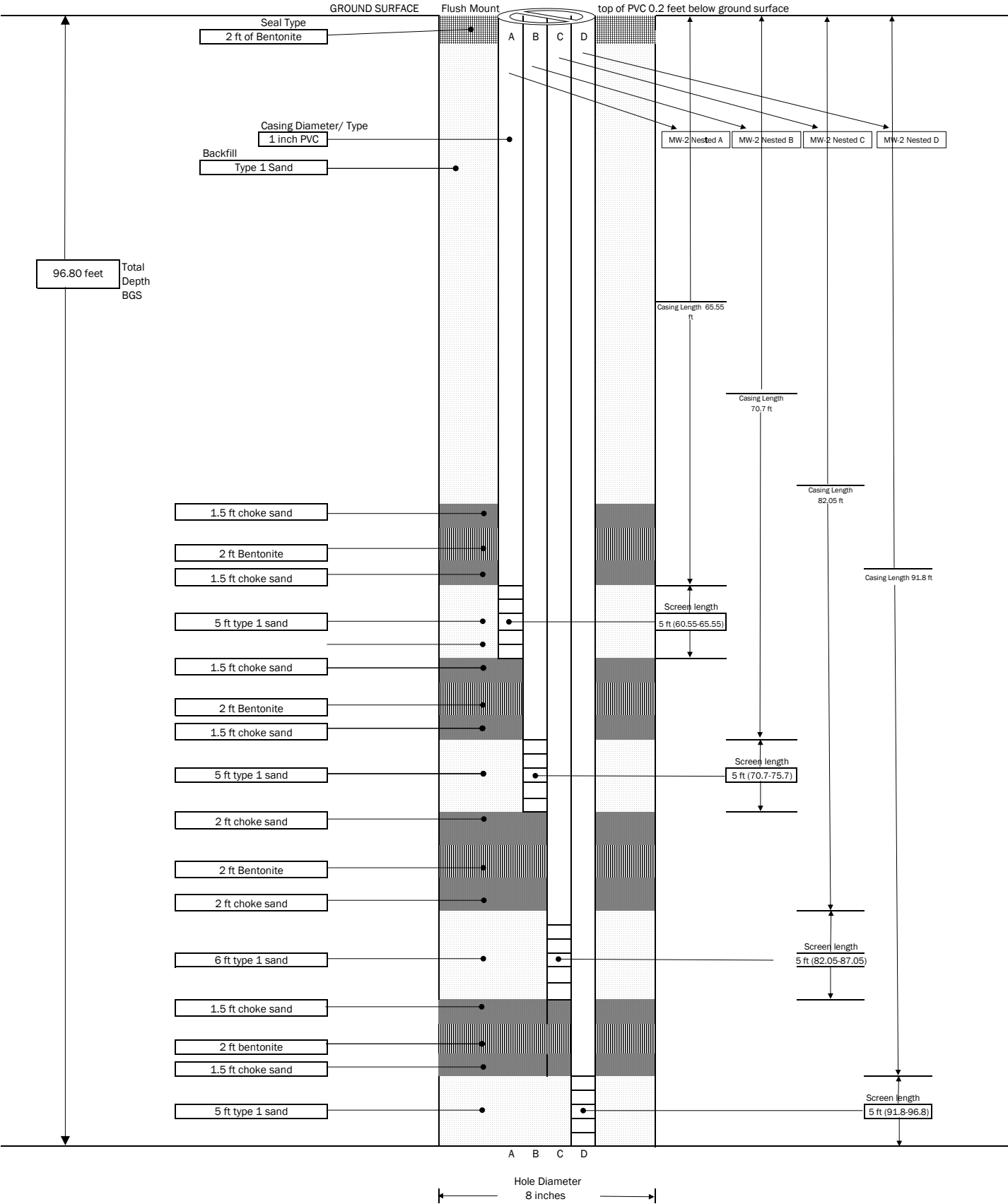
 LaBella Powered by partnership. 45 Main St, #1018, Brooklyn, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Warburton Dry Cleaners Site 321-322 Warburton Ave, 32 Point St, 247-262A Woodworth Ave Yonkers, NY 10705 BCP Site No C360227			BORING: MW-6 SHEET: 5 of 5 JOB: 2221378 CHKD BY: DATE: 3/18/2025			
CONTRACTOR: ADT DRILLER: D. Moon LABELLA REPRESENTATIVE: Wilson Corella			BORING LOCATION: GROUND SURFACE ELEVATION: NA START DATE: 3/17/25			TIME: 9:00 TO 11:00 DATUM: NA WEATHER: Rain			
TYPE OF DRILL RIG: Geoprobe _____ AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Direct Push			DRIVE SAMPLER TYPE: Macrocore INSIDE DIAMETER: 2" OTHER:						
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS			
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)						
80	44"		80.0 - 80.9	CMF brown/light brown SAND, little SA C gray gravel - compacted, saturated (Cementitious)	0	No odors or staining were detected			
81			80.9 - 82.7	MF brown CLAY, some MF brown sand, little MF brown silt, little SA C gray gravel	0				
82			82.7 - 85.0	F white SAND with SA C gray gravel, some weathered rock	0				
83									
84	55"		85.0 - 87.3	MF gray/brown SILT, some MF gray/brown clay, some SA C gray gravel	0	No odors or staining were detected			
85									
86							87.3 - 88.3	F/MF white/gray/light brown SAND, some MF brown silt	0
87							88.3 - 89.3	MF gray/brown SILT, some MF gray/brown clay, some SA C gray gravel	0
88	24"		89.3 - 90.0	F light gray SAND, some SA C gray gravel	0	No odors or staining were detected			
89									
90			90.0 - 91.3	Large gray rocks, some MF brown sand, little MF gray clay	0				
91	MW-6 Nested (92)	91.3 - 92.0	CMF brown SILT, some MF brown sand, some bedrock pieces	0	bedrock encountered at 92 due to refusal and presence of weathered rock. Overdrilled down to 95 ft.				
92									
93	24"		93.3 - 95.0	No Soil recovery					
94									
95							boring terminated at 95 ft.		
96									
97									
98									
99									
100									
WATER LEVEL DATA DATE TIME ELAPSED TIME			DEPTH (FT) BOTTOM OF CASING BOTTOM OF BORING GROUNDWATER ENCOUNTERED			NOTES:			
GENERAL NOTES 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER BGS = Below Ground Surface NA = Not Applicable and = 35 - 50% some = 20 - 35% little = 10 - 20% trace = 1 - 10% C = Coarse M = Medium F = Fine VF = Very Fine R = Rounded A = Angular SR = Subrounded SA = Subangular									
						BORING: MW-6			

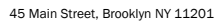


APPENDIX B

Well Construction Logs

 45 Main Street, Brooklyn NY 11201	PROJECT WARBURTON DRY CLEANERS SITE 321 WARBURTON AVENUE, YONKERS	MONITORING WELL : MW-2 Nested BORING LOCATION : MW-2 Nested SHEET 1 OF 1 JOB #
CONTRACTOR: ADT DRILLER: D. Moon LABELLA REPRESENTATIVE: Wilson Corella	START TIME: 03/18/2025 14:30 GROUND SURFACE ELEVATION: N/A END TIME: 03/19/2025 16:30 DATUM: N/A	TYPE OF DRILL RIG: Fraste XL Max AUGER SIZE AND TYPE: 5" Macrocore OVERBURDEN SAMPLING METHOD: Sonic



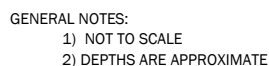


WARBURTON DRY CLEANERS SITE
321 WARBURTON AVENUE, YONKERS

SHEET 1 OF 1
JOB #

END TIME: 03/18/2025 14:00
DATUM: N/A

TYPE OF DRILL RIG:	Fraste XL Max
AUGER SIZE AND TYPE:	5" Macrocore
OVERBURDEN SAMPLING METHOD:	Sonic





APPENDIX C

Well Development Logs

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	



300 STATE STREET, ROCHESTER, NY

PH: (585) 454-6110

FAX: (585) 454-3066

GROUNDWATER DEVELOPMENT FORM

WELL I.D. MW-2-Nested-B

Project Name: Warburton Dry Cleaners Site
Location: 321 Warburton Ave, Yonkers NY
Development By: Aquifer Drilling & Testing
Weather: 45 F Cloudy

Project No.: 2221378

Date: 3/24/2025

PURGE VOLUME CALCULATION

Well Diameter: 1.0 -Inch

Static Water Level: 66.84 -Feet

Depth of Well: 75.70 -Feet

Single Well Volume: 0.33 -Gallons

PURGE & SAMPLING METHOD

☐ Bailer - Type: _____
Sampling Device: _____

☐ Pump - Type Waterra
Pump Rate: _____

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
10:30	0				Over		Color = Brown
11:00	0.25				Over		LNAPL or DNAPL observed = No
Pump stopped							Odor: NO
12:15	0.25				Over		Sheen: NO
12:30	0.5				Over		Well ran dry periodically. Switched to another well during recharge.
12:55	1.0				Over		
13:10	1.5				Over		
13:35	2.5				Over		
Pump stopped							
14:15	2.5				Over		
14:35	3				Over		
15:00	4				Over		
15:35	5				Over		

Total 5.25 Gallons Purged Purge Start Time: 10:30 (03/24) Purge End Time: 15:35 (03/25)

OBSERVATIONS:

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	



300 STATE STREET, ROCHESTER, NY

PH: (585) 454-6110

FAX: (585) 454-3066

GROUNDWATER DEVELOPMENT FORM

WELL I.D. MW-2-Nested-C

Project Name: Warburton Dry Cleaners Site
Location: 321 Warburton Ave, Yonkers, NY
Development By: Aquifer Drilling and Testing
Weather: 45 F Cloudy

Project No.: 2221378

Date: 3/24/2025

PURGE VOLUME CALCULATION

Well Diameter: 1.0 -Inch
Depth of Well: 87.05 -Feet

Static Water Level: 67.19 -Feet
Single Well Volume: 0.77 -Gallons

PURGE & SAMPLING METHOD

☐ Bailer - Type: _____
Sampling Device: _____

☐ Pump - Type: Waterra
Pump Rate: 0.72 gallons/minute

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
11:05	0				Over		Color = Brown
11:15	1.00				Over		LNAPL or DNAPL observed = No
Pump stopped							Odor: NO
11:35	1.00				Over		Sheen: NO
11:45	2.0				Over		
Pump stopped							
8:00	2				Over		
8:15	3				Over		
8:25	3.5				Over		
8:35	4				Over		
Pump stopped							
9:15	5				Over		
9:29	6				Over		
9:45	7				Over		
Pump stopped							
10:20	8				Over		
10:35	9				Over		

Total 9.00 Gallons Purged Purge Start Time: 11:05 (03/24) Purge End Time: 9:45 (03/25)

OBSERVATIONS:

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	



300 STATE STREET, ROCHESTER, NY

PH: (585) 454-6110

FAX: (585) 454-3066

GROUNDWATER DEVELOPMENT FORM

WELL I.D. MW-2-Nested-D

Project Name: Warburton Dry Cleaners Site
Location: 321 Warburton Ave, Yonkers, NY
Development By: Aquifer Drilling & Testing
Weather: 45 F Partly Cloudy

Project No.: 2221378

Date: 3/21/2025

PURGE VOLUME CALCULATION

Well Diameter: 1.0 -Inch

Static Water Level: 67.37 -Feet

Depth of Well: 96.80 -Feet

Single Well Volume: 1.14 -Gallons

PURGE & SAMPLING METHOD

☐ Bailer - Type: _____
Sampling Device: _____

☐ Pump - Type Waterra
Pump Rate: 0.10 gallons/minute

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
9:30	0				over		Color = brown
9:35	1.00				over		LNAPL or DNAPL observed = No
9:45	1.00				over		Odor: NO
pump stopped							Sheen: NO
12:00	1.0				over		
12:10	2.0				over		
pump stopped							
13:55	2				over		
14:10	2				over		
pump stopped - started again on 03/25							
10:00	2				over		
10:15	3				over		
10:40	5				over		
11:00	6				over		
11:30	9				over		
11:40	11				over		
12:00	12				over		

Total 12.00 Gallons Purged

Purge Start Time: 9:30 (03/24/25) Purge End Time: 12:00 (03/25/25)

OBSERVATIONS:

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	



300 STATE STREET, ROCHESTER, NY

PH: (585) 454-6110

FAX: (585) 454-3066

GROUNDWATER DEVELOPMENT FORM

WELL I.D. MW-6-Nested-A

Project Name: Warburton Dry Cleaners Site
Location: 321 Warburton Avenue, Yonkers, NY
Development By: Aquifer Drilling & Testing
Weather: 45 F Cloudy

Project No.: 2221378

Date: 3/26/2025

PURGE VOLUME CALCULATION

Well Diameter: 1.0 -Inch

Static Water Level: 64.39 -Feet

Depth of Well: 62.30 -Feet

Single Well Volume: 0.02 -Gallons

PURGE & SAMPLING METHOD

☐ Bailer - Type: _____
Sampling Device: _____

☐ Pump - Type Check valve
Pump Rate: -

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
							Color =
							LNAPL or DNAPL observed = No
							Odor: YES / NO
							Sheen: YES / NO
							Unable to develop this well. The water level is below the screened interval of the well casing. Attempt was made to develop with distilled water, however the distilled water drained from the well, preventing development.

Total Gallons Purged

Purge Start Time: _____

Purge End Time: _____

OBSERVATIONS:

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

300 STATE STREET, ROCHESTER, NY

PH: (585) 454-6110

FAX: (585) 454-3066

GROUNDWATER DEVELOPMENT FORM

WELL I.D. MW-6-Nested-C

Project Name:	<u>Warburton Dry Cleaners Site</u>
Location:	<u>321 Warburton Ave, Yonkers, NY</u>
Development By:	<u>Aquifer Drilling & Testing</u>
Weather:	45 F Cloudy

Project No.: 2221378

Date: 3/24/2025

PURGE VOLUME CALCULATION

Well Diameter: 1.0 -Inch

Depth of Well: 82.48 -Feet

Static Water Level:	69.64 -Feet
Single Well Volume:	0.65 -Gallons

PURGE & SAMPLING METHOD

☐ Bailer - Type: _____
Sampling Device: _____

☐ Pump - Type	Waterra Pump/check valve
Pump Rate:	0.29 gallons/minute

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
13:25	1						Color = Brown
13:35	1.50						LNAPL or DNAPL observed = No
13:55	2.00						Odor: NO
Pump stopped							Sheen: NO
11:00	2.0						
11:25	2.5						
11:45	3						
12:03	3						
12:28	4						
12:55	4.5						
13:10	5						
13:35	5.5						
13:55	6						
14:15	6.5						
14:40	7						

Total	7.00 Gallons Purged	Purge Start Time: 13:25 (03/24)	Purge End Time: 14:40 (3/25)

OBSERVATIONS:

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	



300 STATE STREET, ROCHESTER, NY

PH: (585) 454-6110

FAX: (585) 454-3066

GROUNDWATER DEVELOPMENT FORM

WELL I.D. MW-6-Nested-D

Project Name: Warburton Dry Cleaners Site
Location: 321 Warburton Ave, Yonkers, NY
Development By: Aquifer Drilling & Testing
Weather: 45 F Partly Cloudy

Project No.: 2221378

Date: 3/21/2025

PURGE VOLUME CALCULATION

Well Diameter: 1.0 -Inch
Depth of Well: 92.60 -Feet

Static Water Level: 70.01 -Feet
Single Well Volume: 1.04 -Gallons

PURGE & SAMPLING METHOD

☐ Bailer - Type: _____
Sampling Device: _____

☐ Pump - Type: Waterra
Pump Rate: ~0.48 gallons/minute

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
11:00	0					over	Color = brown
11:11	2.00					over	LNAPL or DNAPL observed = No
11:20	8.00					over	Odor: NO
11:25	12.00					over	Sheen: NO
11:30	15.0					952	
11:33	16.0					859	
11:36	17					790	
11:50	20					over	
12:02	24					674	
12:08	27					530	
12:25	33					354	
12:30	35					257	
12:37	40					248	
12:52	48					264	
13:15	65					245	

Total 65.00 Gallons Purged

Purge Start Time: 11:00

Purge End Time: 13:20

OBSERVATIONS:

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	



APPENDIX D

Well Sampling Forms



300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: MW-2-Nested-B

Project Name: Warburton Dry Cleaners Site
Location: 321 Warburton Ave, Yonkers, NY 10701
Project No.: 2221378
Sampled By: Wilson Corella, Kelly Goliber
Date: 03/31/2025
Weather: 45 F Cloudy

WELL SAMPLING INFORMATION

Well Diameter: 1" Static Water Level: 66.90 ft bgs
Depth of Well: 75.05' Length of Well Screen: 5.0'
Measuring Point: Top of Casing Depth to Top of Pump: 73.00'
Pump Type: 3/4" bladder pump Tubing Type: 1/8" HDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O ₂ (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS		Comments
16:48	-	0	15.55	13.06	0.495	6.74	50	88.9	67.1		
16:56	31.55	0.1	16.17	11.57	0.573	6.32	49	55.0	67.1		
17:03	40.56	0.175	17.05	10.95	0.583	6.23	58	33.0	67.1		
17:11	35.49	0.25	16.49	11.22	0.585	6.13	65	36.2	67.2		
17:18	94.64	0.5	18.05	10.74	0.570	6.21	76	38.2	67.2		
17:25	47.32	0.60	18.18	10.26	0.571	6.16	76	32.0	67.2		
17:35	56.78	0.75	16.08	11.81	0.599	6.05	73	19.8	67.2		
17:45	94.63	1	16.30	11.18	0.593	6.02	71	17.6	67.2		

Total 1 Gallons Purged

Purge Time Start: 16:48 Purge Time End: 17:45 Final Static Water Level: 67.2

OBSERVATIONS

MS/MSD taken



300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: MW-2-Nested-C

Project Name: Warburton Dry Cleaners Site
Location: 321 Warburton Ave, Yonkers, NY 10701
Project No.: 2221378
Sampled By: Wilson Corella, Kelly Goliber
Date: 04/01/2025
Weather: 45 F Cloudy

WELL SAMPLING INFORMATION

Well Diameter:	<u>1"</u>	Static Water Level:	<u>66.80 ft bgs</u>
Depth of Well:	<u>86 ft bgs</u>	Length of Well Screen:	<u>5.0'</u>
Measuring Point:	<u>Top of flush mount</u>	Depth to Top of Pump:	<u>83.5'</u>
Pump Type:	<u>Check valve</u>	Tubing Type:	<u>3/8" HDPE</u>

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O ₂ (mg/L)	Conductivity (mS/cm)	pH	Redox (mV)	Turbidity (NTU)	Depth to Water		Comments
				+ 10%	+/- 3%	+/- 0.1	+/- 10 mV	+ 10%	Ft. BGS		
14:58	-	2.5	17.84	17.01	0.569	6.78	-129	1000	66.9		
15:05	54.08	2.60	19.6	19.6	0.548	6.72	-68	1000	66.9		
15:10	37.85	2.65	16.55	16.55	0.580	6.69	-71	1000	66.9		
15:13	63.09	2.70	17.53	17.53	0.546	6.58	-20	1000	66.9		
15:16	63.09	2.75	16.24	16.24	.0598	6.67	-36	1000	66.9		
15:18	63.09	2.80	14.22	14.22	0.597	6.52	-43	1000	66.9		
15:22	47.32	2.85	14.41	14.41	0.601	6.48	-42	1000	66.9		
15:28	47.32	2.90	15.20	15.20	0.600	6.37	-48	1000	66.9		
15:33	37.85	2.95	14.47	14.47	0.610	6.53	-36	1000	66.9		

Total 3 Gallons Purged

Purge Time Start: 14:20 Purge Time End: 15:40 Final Static Water Level: 66.9

OBSERVATIONS

3 well volumes purged with check valve prior to measurement of parameters
Sample and duplicate taken at 15:37
Check valve was used to purge and sample due to insufficient pressure to use bladder pump



45 Main Street, Suite 1018
Brooklyn, New York 11201

Project Name: Warburton Dry Cleaners Site
Location: 321 Warburton Ave, Yonkers, NY 10701
Project No.: 2221378
Sampled By: Wilson Corella, Kelly Goliber
Date: 04/01/2025
Weather: 50 F Sunny

WELL I.D.: MW-2-Nested-D

WELL SAMPLING INFORMATION

Well Diameter: 1"
Depth of Well: 95.2
Measuring Point: Top of flush mount
Pump Type: Check valve/ 3/4 inch bladder pump
Static Water Level: 66.90 ft bgs
Length of Well Screen: 5.0'
Depth to Top of Pump: 93.0
Tubing Type: 3/8" HDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O ₂ (mg/L)	Conductivity (mS/cm)	pH	Redox (mV)	Turbidity (NTU)	Depth to Water		Comments
				+ 10%	+/- 3%	+/- 0.1	+/- 10 mV	+ 10%	Ft. BGS		
15:53	-	3.5	14.32	11.27	0.888	6.39	8	87.2	66.9		
15:56	63.09	3.55	13.84	11.37	0.901	6.37	56	96.0	66.9		
15:59	63.09	3.60	13.70	16.48	0.902	6.30	52	142	66.9		
16:00	37.85	3.65	13.16	11.52	0.902	6.30	55	152	66.9		
16:02	94.64	3.70	13.51	11.22	0.900	6.30	56	143	66.9		
16:07	75.71	3.80	13.34	11.30	0.901	6.26	71	139	66.9		
16:10	63.09	3.90	13.29	11.26	0.892	6.33	56	133	66.9		
16:12	63.09	3.95	13.07	11.39	0.882	6.28	58	122	66.9		
16:15	63.09	4.0	13.00	10.91	0.886	6.30	65	105	66.9		

Total 4 Gallons Purged

Purge Time Start: 15:10 Purge Time End: 16:20 Final Static Water Level: 66.9

OBSERVATIONS

3 well volumes purged with check valve prior to measurement of parameters
Sample taken at 16:16
Check valve was used to purge and sample due to insufficient pressure to use bladder pump

45 Main Street, Suite 1018
Brooklyn, New York 11201

Project Name:	Warburton Dry Cleaners Site
Location:	321 Warburton Ave, Yonkers, NY 10701
Project No.:	2221378
Sampled By:	Wilson Corella, Kelly Goliber
Date:	03/31/2025
Weather:	45 F Cloudy

WELL I.D.: MW-6-Nested-B

WELL SAMPLING INFORMATION

Well Diameter:	1"	Static Water Level:	66.60 ft bgs
Depth of Well:	75'	Length of Well Screen:	5.0'
Measuring Point:	Top of flush mount	Depth to Top of Pump:	73.00
Pump Type:	¾ inch bladder pump	Tubing Type:	1/8" HDPE

FIELD PARAMETER MEASUREMENT

[illegible]

Total	1	Gallons Purged

Purge Time Start:	16:24	Purge Time End:	17:18	Final Static Water Level:	66.6

OBSERVATIONS

Sample taken at 17:14



45 Main Street, Suite 1018
Brooklyn, New York 11201

Project Name: Warburton Dry Cleaners Site
Location: 321 Warburton Ave, Yonkers, NY 10701
Project No.: 2221378
Sampled By: Wilson Corella, Kelly Goliber
Date: 03/31/2025
Weather: 50 F Sunny

WELL I.D.: MW-6-Nested-C

WELL SAMPLING INFORMATION

Well Diameter: 1"
Depth of Well: 85'
Measuring Point: Top of flush mount
Pump Type: Check valve / 3/4 inch bladder pump
Static Water Level: 66.60 ft bgs
Length of Well Screen: 5.0'
Depth to Top of Pump: 83'
Tubing Type: 1/8" HDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O ₂ (mg/L)	Conductivity (mS/cm)	pH	Redox (mV)	Turbidity (NTU)	Depth to Water		Comments
				+ 10%	+/- 3%	+/- 0.1	+/- 10 mV	+ 10%	Ft. BGS		
7:52	-	0	10.47	12.82	0.798	7.56	80	198	66.6		
7:58	47.32	0.05	10.46	12.03	0.811	7.61	45	161	66.6		
8:03	37.85	0.10	9.49	12.22	0.793	7.34	132	119	66.6		
8:09	31.55	0.15	9.62	11.74	0.781	7.34	116	83.7	66.7		
8:15	31.55	0.20	8.26	12.55	0.765	6.76	162	69.8	66.7		
8:18	63.09	0.25	8.19	12.33	0.779	7.32					
8:23	37.85	0.30	8.19	12.30	0.794	7.28	122	62.7	66.7		
8:30	31.55	0.35	8.05	12.37	0.824	7.18	78	57.2	66.7		
8:36	31.55	0.40	9.13	11.64	0.780	7.12	45	50.2	66.7		
8:41	37.85	0.45	8.24	12.31	0.801	7.15	79	46.1	66.7		
8:46	37.85	0.5	8.16	12.31	0.804	7.01	87	43.2	66.7		
8:52	31.55	0.55	8.04	12.41	0.801	6.91	151	55	66.7		
8:57	47.32	0.60	7.74	12.63	0.786	6.81	191	52.3	66.8		
9:09	15.77	0.65	9.62	12.64	0.762	6.98	27	34.2	66.8		
9:14	37.85	0.70	8.38	12.41	0.793	7.18	81	34.1	66.8		
9:19	37.85	0.75	7.39	12.91	0.783	6.64	140	34.6	66.8		
9:27	23.66	0.80	9.51	11.35	0.769	7.27	66	27.5	66.8		
9:39	15.77	0.85	10.57	11.09	0.750	7.20	-19	27.9	66.8		
9:44	37.85	0.90	10.25	12.10	0.750	7.17	-10	28.9	66.8		
9:54	18.93	0.95	9.39	11.87	0.715	6.93	-136	22.5	66.8		

Total 1 Gallons Purged

Purge Time Start: 7:30 Purge Time End: 9:55 Final Static Water Level: 66.8

OBSERVATIONS

Sample taken at 9:55, unable to achieve low flow conditions due to lack of pressure in bladder pump tubing. Check valve was used instead.



45 Main Street, Suite 1018
Brooklyn, New York 11201

Project Name: Warburton Dry Cleaners Site
Location: 321 Warburton Ave, Yonkers, NY 10701
Project No.: 2221378
Sampled By: Wilson Corella, Kelly Goliber
Date: 4/1/2025
Weather: 50 F Sunny

WELL I.D.: MW-6-Nested-D

WELL SAMPLING INFORMATION

Well Diameter: 1"
Depth of Well: 95.2'
Measuring Point: Top of flush mount
Pump Type: Check valve / 3/4 inch bladder pump
Static Water Level: 66.90 ft bgs
Length of Well Screen: 5.0'
Depth to Top of Pump: 92.5
Tubing Type: 1/8" HDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O ₂ (mg/L)	Conductivity (mS/cm)	pH	Redox (mV)	Turbidity (NTU)	Depth to Water		Comments
				+ 10%	+/- 3%	+/- 0.1	+/- 10 mV	+ 10%	Ft. BGS		
11:08	-	3.5	11.03	5.47	0.941	6.69	-59	539	66.9		
11:11	63.09	3.55	11.55	4.99	0.931	6.51	-57	502	66.9		
11:15	94.64	3.65	11.76	4.37	0.931	6.44	-73	405	66.9		
11:18	63.09	3.70	11.88	3.87	0.933	6.39	-85	304	66.9		
11:22	47.32	3.75	12.20	3.28	0.929	6.37	-85	306	66.9		
11:25	63.09	3.80	12.00	3.60	0.935	6.36	-91	257	66.9		
11:30	37.85	3.85	12.28	3.92	0.931	6.35	-95	160	66.9		
11:34	94.64	3.95	12.70	3.87	0.929	6.34	-96	161	66.9		
11:37	63.09	4.0	12.85	3.85	0.930	6.34	-98	198	66.9		

Total 4 Gallons Purged

Purge Time Start: 10:14 Purge Time End: 11:40 Final Static Water Level: 66.9

OBSERVATIONS

3 well volumes purged with check valve prior to measurement of parameters, then bladder pump used to achieve low flow conditions
Sample taken at 11:40



APPENDIX E

Standard Laboratory Analytical Reports



ANALYTICAL REPORT

Lab Number:	L2515411
Client:	LaBella Associates 45 Main Street Brooklyn, NY 11201
ATTN:	Cynthia Chu
Phone:	(917) 280-6364
Project Name:	WARBURTON DRY CLEANERS
Project Number:	2221378
Report Date:	03/25/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: WARBURTON DRY CLEANERS
Project Number: 2221378

Lab Number: L2515411
Report Date: 03/25/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2515411-01	MW-6 NESTED (50)	SOIL	YONKERS, NY	03/17/25 15:30	03/18/25

Project Name: WARBURTON DRY CLEANERS
Project Number: 2221378

Lab Number: L2515411
Report Date: 03/25/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: WARBURTON DRY CLEANERS
Project Number: 2221378

Lab Number: L2515411
Report Date: 03/25/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Ashaley Moynihan

Title: Technical Director/Representative

Date: 03/25/25

ORGANICS

VOLATILES

Project Name: WARBURTON DRY CLEANERS**Lab Number:** L2515411**Project Number:** 2221378**Report Date:** 03/25/25**SAMPLE RESULTS**

Lab ID: L2515411-01
 Client ID: MW-6 NESTED (50)
 Sample Location: YONKERS, NY

Date Collected: 03/17/25 15:30
 Date Received: 03/18/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/24/25 18:59
 Analyst: JIC
 Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	2.3		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.80	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	0.26	J	ug/kg	0.57	0.19	1
Toluene	2.9		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1



Project Name: WARBURTON DRY CLEANERS**Lab Number:** L2515411**Project Number:** 2221378**Report Date:** 03/25/25**SAMPLE RESULTS**

Lab ID: L2515411-01
 Client ID: MW-6 NESTED (50)
 Sample Location: YONKERS, NY

Date Collected: 03/17/25 15:30
 Date Received: 03/18/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.64	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	54		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	16		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.14	1
2-Hexanone	ND		ug/kg	11	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.57	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.6	0.74	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1



Project Name: WARBURTON DRY CLEANERS**Lab Number:** L2515411**Project Number:** 2221378**Report Date:** 03/25/25**SAMPLE RESULTS**

Lab ID: L2515411-01
 Client ID: MW-6 NESTED (50)
 Sample Location: YONKERS, NY

Date Collected: 03/17/25 15:30
 Date Received: 03/18/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.38	1
1,4-Dioxane	ND		ug/kg	92	40.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	95		70-130

Project Name: WARBURTON DRY CLEANERS
Project Number: 2221378

Lab Number: L2515411
Report Date: 03/25/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/24/25 10:56
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG2044868-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14



Project Name: WARBURTON DRY CLEANERS
Project Number: 2221378

Lab Number: L2515411
Report Date: 03/25/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/24/25 10:56
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG2044868-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19



Project Name: WARBURTON DRY CLEANERS
Project Number: 2221378

Lab Number: L2515411
Report Date: 03/25/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/24/25 10:56
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG2044868-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	88		70-130



Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS

Lab Number: L2515411

Project Number: 2221378

Report Date: 03/25/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG2044868-3 WG2044868-4								
Methylene chloride	93		86		70-130	8		30
1,1-Dichloroethane	109		99		70-130	10		30
Chloroform	92		86		70-130	7		30
Carbon tetrachloride	86		76		70-130	12		30
1,2-Dichloropropane	114		106		70-130	7		30
Dibromochloromethane	94		92		70-130	2		30
1,1,2-Trichloroethane	102		99		70-130	3		30
Tetrachloroethene	88		78		70-130	12		30
Chlorobenzene	99		92		70-130	7		30
Trichlorofluoromethane	93		83		70-139	11		30
1,2-Dichloroethane	94		90		70-130	4		30
1,1,1-Trichloroethane	88		79		70-130	11		30
Bromodichloromethane	91		87		70-130	4		30
trans-1,3-Dichloropropene	104		100		70-130	4		30
cis-1,3-Dichloropropene	107		102		70-130	5		30
1,1-Dichloropropene	97		86		70-130	12		30
Bromoform	88		90		70-130	2		30
1,1,2,2-Tetrachloroethane	111		110		70-130	1		30
Benzene	100		91		70-130	9		30
Toluene	100		91		70-130	9		30
Ethylbenzene	98		89		70-130	10		30
Chloromethane	146	Q	128		52-130	13		30
Bromomethane	129		114		57-147	12		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS

Lab Number: L2515411

Project Number: 2221378

Report Date: 03/25/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG2044868-3 WG2044868-4								
Vinyl chloride	114		96		67-130	17		30
Chloroethane	114		99		50-151	14		30
1,1-Dichloroethene	103		90		65-135	13		30
trans-1,2-Dichloroethene	100		90		70-130	11		30
Trichloroethene	97		87		70-130	11		30
1,2-Dichlorobenzene	103		98		70-130	5		30
1,3-Dichlorobenzene	105		98		70-130	7		30
1,4-Dichlorobenzene	104		97		70-130	7		30
Methyl tert butyl ether	113		110		66-130	3		30
p/m-Xylene	100		92		70-130	8		30
o-Xylene	100		92		70-130	8		30
cis-1,2-Dichloroethene	100		93		70-130	7		30
Dibromomethane	91		88		70-130	3		30
Styrene	101		95		70-130	6		30
Dichlorodifluoromethane	116		99		30-146	16		30
Acetone	120		115		54-140	4		30
Carbon disulfide	107		93		59-130	14		30
2-Butanone	122		123		70-130	1		30
Vinyl acetate	114		111		70-130	3		30
4-Methyl-2-pentanone	122		121		70-130	1		30
1,2,3-Trichloropropane	110		108		68-130	2		30
2-Hexanone	115		110		70-130	4		30
Bromochloromethane	100		95		70-130	5		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS

Lab Number: L2515411

Project Number: 2221378

Report Date: 03/25/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG2044868-3 WG2044868-4								
2,2-Dichloropropane	97		86		70-130	12		30
1,2-Dibromoethane	101		100		70-130	1		30
1,3-Dichloropropane	104		101		69-130	3		30
1,1,1,2-Tetrachloroethane	95		89		70-130	7		30
Bromobenzene	97		92		70-130	5		30
n-Butylbenzene	117		104		70-130	12		30
sec-Butylbenzene	112		100		70-130	11		30
tert-Butylbenzene	109		99		70-130	10		30
o-Chlorotoluene	110		102		70-130	8		30
p-Chlorotoluene	112		103		70-130	8		30
1,2-Dibromo-3-chloropropane	86		85		68-130	1		30
Hexachlorobutadiene	76		70		67-130	8		30
Isopropylbenzene	110		100		70-130	10		30
p-Isopropyltoluene	114		102		70-130	11		30
Naphthalene	110		108		70-130	2		30
Acrylonitrile	139	Q	138	Q	70-130	1		30
n-Propylbenzene	113		101		70-130	11		30
1,2,3-Trichlorobenzene	93		90		70-130	3		30
1,2,4-Trichlorobenzene	96		91		70-130	5		30
1,3,5-Trimethylbenzene	108		98		70-130	10		30
1,2,4-Trimethylbenzene	110		100		70-130	10		30
1,4-Dioxane	99		105		65-136	6		30
p-Diethylbenzene	123		106		70-130	15		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS

Lab Number: L2515411

Project Number: 2221378

Report Date: 03/25/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG2044868-3 WG2044868-4								
p-Ethyltoluene	115		103		70-130	11		30
1,2,4,5-Tetramethylbenzene	117		106		70-130	10		30
Ethyl ether	118		113		67-130	4		30
trans-1,4-Dichloro-2-butene	123		123		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		90		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	113		109		70-130
Dibromofluoromethane	91		93		70-130

INORGANICS & MISCELLANEOUS

Project Name: WARBURTON DRY CLEANERS**Project Number:** 2221378**Lab Number:** L2515411**Report Date:** 03/25/25**SAMPLE RESULTS****Lab ID:** L2515411-01**Client ID:** MW-6 NESTED (50)**Sample Location:** YONKERS, NY**Date Collected:** 03/17/25 15:30**Date Received:** 03/18/25**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.4		%	0.100	NA	1	-	03/20/25 14:49	121,2540G	KJL



Lab Duplicate Analysis*Batch Quality Control***Project Name:** WARBURTON DRY CLEANERS**Project Number:** 2221378**Lab Number:** L2515411**Report Date:** 03/25/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2043090-1 QC Sample: L2515411-01 Client ID: MW-6 NESTED (50)						
Solids, Total	96.4	96.1	%	0		20

Project Name: WARBURTON DRY CLEANERS**Lab Number:** L2515411**Project Number:** 2221378**Report Date:** 03/25/25**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2515411-01A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2515411-01B	Vial water preserved	A	NA		3.0	Y	Absent	19-MAR-25 08:17	NYTCL-8260HLW(14)
L2515411-01C	Vial water preserved	A	NA		3.0	Y	Absent	19-MAR-25 08:17	NYTCL-8260HLW(14)
L2515411-01D	Plastic 120ml unpreserved	A	NA		3.0	Y	Absent		TS(7)

Project Name: WARBURTON DRY CLEANERS**Lab Number:** L2515411**Project Number:** 2221378**Report Date:** 03/25/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name: WARBURTON DRY CLEANERS
Project Number: 2221378

Lab Number: L2515411
Report Date: 03/25/25

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: WARBURTON DRY CLEANERS
Project Number: 2221378

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Report Date: 03/25/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: WARBURTON DRY CLEANERS**Lab Number:** L2515411**Project Number:** 2221378**Report Date:** 03/25/25

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

MADEP-APH.**Nonpotable Water:** EPA RSK-175 Dissolved Gases**Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048**Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)**

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg. EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

Pace Analytical Services LLCID No.:**17873**Facility: **Northeast**

Revision 27

Department: **Quality Assurance**

Published Date: 01/24/2025

Title: **Certificate/Approval Program Summary**

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Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab 3/19/25		L2515411 LABELLA - BKLN 	
Client Information Client: <u>LaBella Associates</u> Address: <u>45 MAIN STREET,</u> <u>BROOKLYN, NY</u> Phone: <u>516-225-0396</u> Fax: Email: <u>cchu@labellapc.com</u>		Project Information Project Name: <u>WARBURTON DRY CLEANERS</u> Project Location: <u>YONKERS, NY</u> Project # <u>2221378</u> (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☒ EQulS (1 File) ☒ EQulS (4 File) ☐ Other		PO #			
Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:							
Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Total Bottles			
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:		Please specify Metals or TAL.		ANALYSIS Table Header: ALPHA Lab ID (Lab Use Only), Sample ID, Collection (Date, Time), Sample Matrix, Sampler's Initials		ANALYSIS Table Body (Grid)			
ALPHA Lab ID (Lab Use Only) Sample ID Collection Date Time Sample Matrix Sampler's Initials		ANALYSIS Table Body (Grid)		ANALYSIS Table Body (Grid)		ANALYSIS Table Body (Grid)			
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative			
Relinquished By: <u>Walter Bell</u> <u>Omon</u> <u>W. Bell</u> <u>3/19/25</u>		Date/Time <u>3/18 7:10 P</u> <u>3-18-25 13:50</u> <u>3/18/25</u>		Received By: <u>Omon</u> <u>W. Bell</u> <u>3/18/25</u>		Date/Time <u>3-18-25 7:20</u> <u>3/18/25 1900</u> <u>3/18/25 2300</u> <u>3/19 0140</u>			
Form No: 01-25 HC (rev. 30-Sept-2013)		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)							



ANALYTICAL REPORT

Lab Number:	L2515644
Client:	LaBella Associates 45 Main Street Brooklyn, NY 11201
ATTN:	Cynthia Chu
Phone:	(917) 280-6364
Project Name:	WARBURTON DRY CLEANERS
Project Number:	2221378
Report Date:	03/25/25

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: WARBURTON DRY CLEANERS
Project Number: 2221378

Lab Number: L2515644
Report Date: 03/25/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2515644-01	MW-6 NESTED (92)	SOIL	YONKERS, NY	03/18/25 13:00	03/18/25

Project Name: WARBURTON DRY CLEANERS
Project Number: 2221378

Lab Number: L2515644
Report Date: 03/25/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: WARBURTON DRY CLEANERS
Project Number: 2221378

Lab Number: L2515644
Report Date: 03/25/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly O'Neill

Title: Technical Director/Representative

Date: 03/25/25

ORGANICS

VOLATILES

Project Name: WARBURTON DRY CLEANERS**Lab Number:** L2515644**Project Number:** 2221378**Report Date:** 03/25/25**SAMPLE RESULTS**

Lab ID: L2515644-01
 Client ID: MW-6 NESTED (92)
 Sample Location: YONKERS, NY

Date Collected: 03/18/25 13:00
 Date Received: 03/18/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260D

Analytical Date: 03/24/25 18:25

Analyst: JIC

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	22	10.	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.64	1
Chloroform	ND		ug/kg	6.6	0.62	1
Carbon tetrachloride	ND		ug/kg	4.4	1.0	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.55	1
Dibromochloromethane	ND		ug/kg	4.4	0.62	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.2	1
Tetrachloroethene	10		ug/kg	2.2	0.86	1
Chlorobenzene	ND		ug/kg	2.2	0.56	1
Trichlorofluoromethane	ND		ug/kg	18	3.0	1
1,2-Dichloroethane	ND		ug/kg	4.4	1.1	1
1,1,1-Trichloroethane	ND		ug/kg	2.2	0.73	1
Bromodichloromethane	ND		ug/kg	2.2	0.48	1
trans-1,3-Dichloropropene	ND		ug/kg	4.4	1.2	1
cis-1,3-Dichloropropene	ND		ug/kg	2.2	0.70	1
1,3-Dichloropropene, Total	ND		ug/kg	2.2	0.70	1
1,1-Dichloropropene	ND		ug/kg	2.2	0.70	1
Bromoform	ND		ug/kg	18	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.2	0.73	1
Benzene	ND		ug/kg	2.2	0.73	1
Toluene	ND		ug/kg	4.4	2.4	1
Ethylbenzene	ND		ug/kg	4.4	0.62	1
Chloromethane	ND		ug/kg	18	4.1	1
Bromomethane	ND		ug/kg	8.8	2.6	1
Vinyl chloride	ND		ug/kg	4.4	1.5	1
Chloroethane	ND		ug/kg	8.8	2.0	1
1,1-Dichloroethene	ND		ug/kg	4.4	1.0	1
trans-1,2-Dichloroethene	ND		ug/kg	6.6	0.60	1



Project Name: WARBURTON DRY CLEANERS**Lab Number:** L2515644**Project Number:** 2221378**Report Date:** 03/25/25**SAMPLE RESULTS**

Lab ID: L2515644-01
 Client ID: MW-6 NESTED (92)
 Sample Location: YONKERS, NY

Date Collected: 03/18/25 13:00
 Date Received: 03/18/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	2.2	0.60	1
1,2-Dichlorobenzene	ND		ug/kg	8.8	0.63	1
1,3-Dichlorobenzene	ND		ug/kg	8.8	0.65	1
1,4-Dichlorobenzene	ND		ug/kg	8.8	0.75	1
Methyl tert butyl ether	ND		ug/kg	8.8	0.88	1
p/m-Xylene	ND		ug/kg	8.8	2.5	1
o-Xylene	ND		ug/kg	4.4	1.3	1
Xylenes, Total	ND		ug/kg	4.4	1.3	1
cis-1,2-Dichloroethene	ND		ug/kg	4.4	0.77	1
1,2-Dichloroethene, Total	ND		ug/kg	4.4	0.60	1
Dibromomethane	ND		ug/kg	8.8	1.0	1
Styrene	ND		ug/kg	4.4	0.86	1
Dichlorodifluoromethane	ND		ug/kg	44	4.0	1
Acetone	ND		ug/kg	44	21.	1
Carbon disulfide	ND		ug/kg	44	20.	1
2-Butanone	ND		ug/kg	44	9.8	1
Vinyl acetate	ND		ug/kg	44	9.4	1
4-Methyl-2-pentanone	ND		ug/kg	44	5.6	1
1,2,3-Trichloropropane	ND		ug/kg	8.8	0.56	1
2-Hexanone	ND		ug/kg	44	5.2	1
Bromochloromethane	ND		ug/kg	8.8	0.90	1
2,2-Dichloropropane	ND		ug/kg	8.8	0.89	1
1,2-Dibromoethane	ND		ug/kg	4.4	1.2	1
1,3-Dichloropropane	ND		ug/kg	8.8	0.73	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.2	0.58	1
Bromobenzene	ND		ug/kg	8.8	0.64	1
n-Butylbenzene	ND		ug/kg	4.4	0.73	1
sec-Butylbenzene	ND		ug/kg	4.4	0.64	1
tert-Butylbenzene	ND		ug/kg	8.8	0.52	1
o-Chlorotoluene	ND		ug/kg	8.8	0.84	1
p-Chlorotoluene	ND		ug/kg	8.8	0.48	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	4.4	1
Hexachlorobutadiene	ND		ug/kg	18	0.74	1
Isopropylbenzene	ND		ug/kg	4.4	0.48	1
p-Isopropyltoluene	ND		ug/kg	4.4	0.48	1
Naphthalene	ND		ug/kg	18	2.8	1
Acrylonitrile	ND		ug/kg	18	5.0	1



Project Name: WARBURTON DRY CLEANERS**Lab Number:** L2515644**Project Number:** 2221378**Report Date:** 03/25/25**SAMPLE RESULTS**

Lab ID: L2515644-01
 Client ID: MW-6 NESTED (92)
 Sample Location: YONKERS, NY

Date Collected: 03/18/25 13:00
 Date Received: 03/18/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	4.4	0.75	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.8	1.4	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.8	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.8	0.85	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.8	1.5	1
1,4-Dioxane	ND		ug/kg	350	150	1
p-Diethylbenzene	ND		ug/kg	8.8	0.78	1
p-Ethyltoluene	ND		ug/kg	8.8	1.7	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	8.8	0.84	1
Ethyl ether	ND		ug/kg	8.8	1.5	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	22	6.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	85		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	96		70-130

Project Name: WARBURTON DRY CLEANERS
Project Number: 2221378

Lab Number: L2515644
Report Date: 03/25/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/24/25 11:23
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG2044865-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14



Project Name: WARBURTON DRY CLEANERS
Project Number: 2221378

Lab Number: L2515644
Report Date: 03/25/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/24/25 11:23
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG2044865-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19



Project Name: WARBURTON DRY CLEANERS
Project Number: 2221378

Lab Number: L2515644
Report Date: 03/25/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/24/25 11:23
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG2044865-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	0.66	J	ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	91		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS

Lab Number: L2515644

Project Number: 2221378

Report Date: 03/25/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG2044865-3 WG2044865-4								
Methylene chloride	88		84		70-130	5		30
1,1-Dichloroethane	107		104		70-130	3		30
Chloroform	87		88		70-130	1		30
Carbon tetrachloride	94		93		70-130	1		30
1,2-Dichloropropane	101		102		70-130	1		30
Dibromochloromethane	81		83		70-130	2		30
1,1,2-Trichloroethane	81		82		70-130	1		30
Tetrachloroethene	99		100		70-130	1		30
Chlorobenzene	88		90		70-130	2		30
Trichlorofluoromethane	93		86		70-139	8		30
1,2-Dichloroethane	96		97		70-130	1		30
1,1,1-Trichloroethane	89		89		70-130	0		30
Bromodichloromethane	80		83		70-130	4		30
trans-1,3-Dichloropropene	85		85		70-130	0		30
cis-1,3-Dichloropropene	90		94		70-130	4		30
1,1-Dichloropropene	94		94		70-130	0		30
Bromoform	81		80		70-130	1		30
1,1,2,2-Tetrachloroethane	76		78		70-130	3		30
Benzene	90		91		70-130	1		30
Toluene	84		85		70-130	1		30
Ethylbenzene	87		89		70-130	2		30
Chloromethane	154	Q	140	Q	52-130	10		30
Bromomethane	103		95		57-147	8		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS

Lab Number: L2515644

Project Number: 2221378

Report Date: 03/25/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG2044865-3 WG2044865-4								
Vinyl chloride	123		111		67-130	10		30
Chloroethane	104		94		50-151	10		30
1,1-Dichloroethene	98		94		65-135	4		30
trans-1,2-Dichloroethene	98		94		70-130	4		30
Trichloroethene	95		100		70-130	5		30
1,2-Dichlorobenzene	91		94		70-130	3		30
1,3-Dichlorobenzene	96		98		70-130	2		30
1,4-Dichlorobenzene	93		96		70-130	3		30
Methyl tert butyl ether	95		91		66-130	4		30
p/m-Xylene	90		91		70-130	1		30
o-Xylene	88		90		70-130	2		30
cis-1,2-Dichloroethene	88		90		70-130	2		30
Dibromomethane	79		82		70-130	4		30
Styrene	88		91		70-130	3		30
Dichlorodifluoromethane	116		106		30-146	9		30
Acetone	93		96		54-140	3		30
Carbon disulfide	106		99		59-130	7		30
2-Butanone	124		127		70-130	2		30
Vinyl acetate	136	Q	128		70-130	6		30
4-Methyl-2-pentanone	109		108		70-130	1		30
1,2,3-Trichloropropane	79		82		68-130	4		30
2-Hexanone	121		121		70-130	0		30
Bromochloromethane	95		94		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS

Lab Number: L2515644

Project Number: 2221378

Report Date: 03/25/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG2044865-3 WG2044865-4								
2,2-Dichloropropane	87		87		70-130	0		30
1,2-Dibromoethane	88		91		70-130	3		30
1,3-Dichloropropane	84		86		69-130	2		30
1,1,1,2-Tetrachloroethane	86		88		70-130	2		30
Bromobenzene	88		92		70-130	4		30
n-Butylbenzene	95		100		70-130	5		30
sec-Butylbenzene	89		91		70-130	2		30
tert-Butylbenzene	91		94		70-130	3		30
o-Chlorotoluene	88		91		70-130	3		30
p-Chlorotoluene	90		92		70-130	2		30
1,2-Dibromo-3-chloropropane	82		87		68-130	6		30
Hexachlorobutadiene	91		94		67-130	3		30
Isopropylbenzene	90		91		70-130	1		30
p-Isopropyltoluene	96		98		70-130	2		30
Naphthalene	105		111		70-130	6		30
Acrylonitrile	131	Q	124		70-130	5		30
n-Propylbenzene	87		91		70-130	4		30
1,2,3-Trichlorobenzene	92		99		70-130	7		30
1,2,4-Trichlorobenzene	99		106		70-130	7		30
1,3,5-Trimethylbenzene	86		89		70-130	3		30
1,2,4-Trimethylbenzene	88		90		70-130	2		30
1,4-Dioxane	121		123		65-136	2		30
p-Diethylbenzene	100		101		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS

Lab Number: L2515644

Project Number: 2221378

Report Date: 03/25/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG2044865-3 WG2044865-4								
p-Ethyltoluene	92		95		70-130	3		30
1,2,4,5-Tetramethylbenzene	109		112		70-130	3		30
Ethyl ether	101		96		67-130	5		30
trans-1,4-Dichloro-2-butene	99		100		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		88		70-130
Toluene-d8	89		87		70-130
4-Bromofluorobenzene	85		89		70-130
Dibromofluoromethane	93		90		70-130

INORGANICS & MISCELLANEOUS

Project Name: WARBURTON DRY CLEANERS**Project Number:** 2221378**Lab Number:** L2515644**Report Date:** 03/25/25**SAMPLE RESULTS****Lab ID:** L2515644-01**Client ID:** MW-6 NESTED (92)**Sample Location:** YONKERS, NY**Date Collected:** 03/18/25 13:00**Date Received:** 03/18/25**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	03/20/25 14:49	121,2540G	KJL



Lab Duplicate Analysis*Batch Quality Control***Project Name:** WARBURTON DRY CLEANERS**Project Number:** 2221378**Lab Number:** L2515644**Report Date:** 03/25/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2043090-1 QC Sample: L2515411-01 Client ID: DUP Sample						
Solids, Total	96.4	96.1	%	0		20

Project Name: WARBURTON DRY CLEANERS
Project Number: 2221378

Serial_No:03252517:24
Lab Number: L2515644
Report Date: 03/25/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2515644-01A	Vial MeOH preserved	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L2515644-01B	Vial water preserved	A	NA		2.3	Y	Absent	19-MAR-25 12:23	NYTCL-8260HLW(14)
L2515644-01C	Vial water preserved	A	NA		2.3	Y	Absent	19-MAR-25 12:23	NYTCL-8260HLW(14)
L2515644-01D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)

Project Name: WARBURTON DRY CLEANERS**Lab Number:** L2515644**Project Number:** 2221378**Report Date:** 03/25/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name: WARBURTON DRY CLEANERS
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Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: WARBURTON DRY CLEANERS
Project Number: 2221378

Lab Number: L2515644
Report Date: 03/25/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: WARBURTON DRY CLEANERS**Lab Number:** L2515644**Project Number:** 2221378**Report Date:** 03/25/25

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

MADEP-APH.**Nonpotable Water:** EPA RSK-175 Dissolved Gases**Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048**Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)**

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg. EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

Pace Analytical Services LLCID No.:**17873**Facility: **Northeast**

Revision 27

Department: **Quality Assurance**

Published Date: 01/24/2025

Title: **Certificate/Approval Program Summary**

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Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

3/19/25

L2515644
LABELLA — BKLN



Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: <u>WARBURTON DRY CLEANERS</u> Project Location: <u>YONKERS, NY</u> Project #: <u>2221378</u> (Use Project name as Project #) ☐				Deliverables ☐ ASP-A ☒ ASP-B ☒ EQUIS (1 File) ☒ EQUIS (4 File) ☐ Other				Billing Information ☐ Same as Client Info PO #																																																															
Client Information Client: <u>La Bella Associates</u> Address: <u>45 Main Street,</u> <u>Brooklyn, NY</u> Phone: <u>516-225-0396</u> Fax: <u></u> Email: <u>ccho@labella.com</u>				Project Manager: <u>CYNTHIA CHU</u> ALPHAQuote #: <u></u> Turn-Around Time Standard ☒ Due Date: <u></u> Rush (only if pre approved) ☐ # of Days: <u></u>				Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge				Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:																																																															
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:						ANALYSIS						Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)																																																															
Please specify Metals or TAL.						8260 UGS						Sample Specific Comments																																																															
<table border="1"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>15644-01</td> <td>MW-6 NESTED (92)</td> <td>3/18</td> <td>13:00</td> <td>S</td> <td>WC</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>														ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Date	Time	15644-01	MW-6 NESTED (92)	3/18	13:00	S	WC																																																
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Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		Relinquished By: <u>Wilson Bell</u> <u>Oman PACE</u> <u>W pace</u>		Date/Time <u>3/18</u> <u>3-18-23 18:50</u> <u>3/18/23</u> <u>3/19/23 0200</u>		Received By: <u>Oman PACE</u> <u>pace</u> <u>pace</u>		Date/Time <u>3-18-23 15:50</u> <u>3/18/23 1900</u> <u>3/18/23 2300</u> <u>3/19/23 0200</u>		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)																																																											



ANALYTICAL REPORT

Lab Number:	L2516543
Client:	LaBella Associates 45 Main Street Brooklyn, NY 11201
ATTN:	Cynthia Chu
Phone:	(917) 280-6364
Project Name:	WARBURTON DRY CLEANERS SITE
Project Number:	2221378
Report Date:	03/31/25

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516543
Report Date: 03/31/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2516543-01	MW-2 NESTED (97)	SOIL	YONKERS, NY	03/20/25 11:00	03/20/25

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516543
Report Date: 03/31/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516543
Report Date: 03/31/25

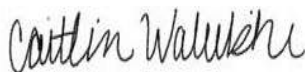
Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 03/31/25

ORGANICS

VOLATILES

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516543
Report Date: 03/31/25

SAMPLE RESULTS

Lab ID: L2516543-01
Client ID: MW-2 NESTED (97)
Sample Location: YONKERS, NY

Date Collected: 03/20/25 11:00
Date Received: 03/20/25
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/29/25 02:38
Analyst: JIC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.9	1.8	1
1,1-Dichloroethane	ND		ug/kg	0.78	0.11	1
Chloroform	ND		ug/kg	1.2	0.11	1
Carbon tetrachloride	ND		ug/kg	0.78	0.18	1
1,2-Dichloropropane	ND		ug/kg	0.78	0.10	1
Dibromochloromethane	ND		ug/kg	0.78	0.11	1
1,1,2-Trichloroethane	ND		ug/kg	0.78	0.21	1
Tetrachloroethene	ND		ug/kg	0.39	0.15	1
Chlorobenzene	ND		ug/kg	0.39	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.1	0.54	1
1,2-Dichloroethane	ND		ug/kg	0.78	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	0.39	0.13	1
Bromodichloromethane	ND		ug/kg	0.39	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.78	0.21	1
cis-1,3-Dichloropropene	ND		ug/kg	0.39	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	0.39	0.12	1
1,1-Dichloropropene	ND		ug/kg	0.39	0.12	1
Bromoform	ND		ug/kg	3.1	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.39	0.13	1
Benzene	ND		ug/kg	0.39	0.13	1
Toluene	ND		ug/kg	0.78	0.42	1
Ethylbenzene	ND		ug/kg	0.78	0.11	1
Chloromethane	ND		ug/kg	3.1	0.73	1
Bromomethane	ND		ug/kg	1.6	0.45	1
Vinyl chloride	ND		ug/kg	0.78	0.26	1
Chloroethane	ND		ug/kg	1.6	0.35	1
1,1-Dichloroethene	ND		ug/kg	0.78	0.18	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.11	1



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516543
Report Date: 03/31/25

SAMPLE RESULTS

Lab ID: L2516543-01
Client ID: MW-2 NESTED (97)
Sample Location: YONKERS, NY

Date Collected: 03/20/25 11:00
Date Received: 03/20/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.39	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	0.11	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	0.13	1
Methyl tert butyl ether	ND		ug/kg	1.6	0.16	1
p/m-Xylene	ND		ug/kg	1.6	0.44	1
o-Xylene	ND		ug/kg	0.78	0.23	1
Xylenes, Total	ND		ug/kg	0.78	0.23	1
cis-1,2-Dichloroethene	ND		ug/kg	0.78	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	0.78	0.11	1
Dibromomethane	ND		ug/kg	1.6	0.18	1
Styrene	ND		ug/kg	0.78	0.15	1
Dichlorodifluoromethane	ND		ug/kg	7.8	0.71	1
Acetone	4.6	J	ug/kg	7.8	3.8	1
Carbon disulfide	ND		ug/kg	7.8	3.6	1
2-Butanone	ND		ug/kg	7.8	1.7	1
Vinyl acetate	ND		ug/kg	7.8	1.7	1
4-Methyl-2-pentanone	ND		ug/kg	7.8	1.0	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	0.10	1
2-Hexanone	ND		ug/kg	7.8	0.92	1
Bromochloromethane	ND		ug/kg	1.6	0.16	1
2,2-Dichloropropane	ND		ug/kg	1.6	0.16	1
1,2-Dibromoethane	ND		ug/kg	0.78	0.22	1
1,3-Dichloropropane	ND		ug/kg	1.6	0.13	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.39	0.10	1
Bromobenzene	ND		ug/kg	1.6	0.11	1
n-Butylbenzene	ND		ug/kg	0.78	0.13	1
sec-Butylbenzene	ND		ug/kg	0.78	0.11	1
tert-Butylbenzene	ND		ug/kg	1.6	0.09	1
o-Chlorotoluene	ND		ug/kg	1.6	0.15	1
p-Chlorotoluene	ND		ug/kg	1.6	0.08	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	0.78	1
Hexachlorobutadiene	ND		ug/kg	3.1	0.13	1
Isopropylbenzene	ND		ug/kg	0.78	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.78	0.09	1
Naphthalene	ND		ug/kg	3.1	0.51	1
Acrylonitrile	ND		ug/kg	3.1	0.90	1



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516543
Report Date: 03/31/25

SAMPLE RESULTS

Lab ID: L2516543-01
Client ID: MW-2 NESTED (97)
Sample Location: YONKERS, NY

Date Collected: 03/20/25 11:00
Date Received: 03/20/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.78	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	0.26	1
1,4-Dioxane	ND		ug/kg	62	27.	1
p-Diethylbenzene	ND		ug/kg	1.6	0.14	1
p-Ethyltoluene	ND		ug/kg	1.6	0.30	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.6	0.15	1
Ethyl ether	ND		ug/kg	1.6	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	3.9	1.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516543
Report Date: 03/31/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/28/25 22:18
 Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG2047322-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516543
Report Date: 03/31/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/28/25 22:18
 Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG2047322-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516543
Report Date: 03/31/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/28/25 22:18
Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG2047322-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2516543

Project Number: 2221378

Report Date: 03/31/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG2047322-3 WG2047322-4								
Methylene chloride	86		84		70-130	2		30
1,1-Dichloroethane	101		96		70-130	5		30
Chloroform	89		85		70-130	5		30
Carbon tetrachloride	90		86		70-130	5		30
1,2-Dichloropropane	103		98		70-130	5		30
Dibromochloromethane	90		90		70-130	0		30
1,1,2-Trichloroethane	93		90		70-130	3		30
Tetrachloroethene	96		90		70-130	6		30
Chlorobenzene	96		92		70-130	4		30
Trichlorofluoromethane	95		88		70-139	8		30
1,2-Dichloroethane	85		82		70-130	4		30
1,1,1-Trichloroethane	90		84		70-130	7		30
Bromodichloromethane	85		82		70-130	4		30
trans-1,3-Dichloropropene	92		90		70-130	2		30
cis-1,3-Dichloropropene	97		93		70-130	4		30
1,1-Dichloropropene	95		89		70-130	7		30
Bromoform	88		87		70-130	1		30
1,1,2,2-Tetrachloroethane	100		99		70-130	1		30
Benzene	95		89		70-130	7		30
Toluene	95		91		70-130	4		30
Ethylbenzene	94		90		70-130	4		30
Chloromethane	126		119		52-130	6		30
Bromomethane	122		112		57-147	9		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2516543

Project Number: 2221378

Report Date: 03/31/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG2047322-3 WG2047322-4								
Vinyl chloride	104		97		67-130	7		30
Chloroethane	105		99		50-151	6		30
1,1-Dichloroethene	103		96		65-135	7		30
trans-1,2-Dichloroethene	100		93		70-130	7		30
Trichloroethene	95		90		70-130	5		30
1,2-Dichlorobenzene	99		97		70-130	2		30
1,3-Dichlorobenzene	102		100		70-130	2		30
1,4-Dichlorobenzene	99		98		70-130	1		30
Methyl tert butyl ether	102		98		66-130	4		30
p/m-Xylene	98		92		70-130	6		30
o-Xylene	95		92		70-130	3		30
cis-1,2-Dichloroethene	96		92		70-130	4		30
Dibromomethane	84		82		70-130	2		30
Styrene	97		94		70-130	3		30
Dichlorodifluoromethane	105		97		30-146	8		30
Acetone	120		110		54-140	9		30
Carbon disulfide	104		98		59-130	6		30
2-Butanone	101		99		70-130	2		30
Vinyl acetate	104		95		70-130	9		30
4-Methyl-2-pentanone	103		105		70-130	2		30
1,2,3-Trichloropropane	98		98		68-130	0		30
2-Hexanone	92		88		70-130	4		30
Bromochloromethane	95		92		70-130	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2516543

Project Number: 2221378

Report Date: 03/31/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG2047322-3 WG2047322-4								
2,2-Dichloropropane	93		86		70-130	8		30
1,2-Dibromoethane	95		94		70-130	1		30
1,3-Dichloropropane	94		91		69-130	3		30
1,1,1,2-Tetrachloroethane	92		90		70-130	2		30
Bromobenzene	93		91		70-130	2		30
n-Butylbenzene	112		108		70-130	4		30
sec-Butylbenzene	108		105		70-130	3		30
tert-Butylbenzene	107		102		70-130	5		30
o-Chlorotoluene	117		100		70-130	16		30
p-Chlorotoluene	104		101		70-130	3		30
1,2-Dibromo-3-chloropropane	82		83		68-130	1		30
Hexachlorobutadiene	84		80		67-130	5		30
Isopropylbenzene	108		104		70-130	4		30
p-Isopropyltoluene	111		107		70-130	4		30
Naphthalene	101		101		70-130	0		30
Acrylonitrile	117		117		70-130	0		30
n-Propylbenzene	107		103		70-130	4		30
1,2,3-Trichlorobenzene	92		91		70-130	1		30
1,2,4-Trichlorobenzene	95		92		70-130	3		30
1,3,5-Trimethylbenzene	103		100		70-130	3		30
1,2,4-Trimethylbenzene	104		100		70-130	4		30
1,4-Dioxane	84		83		65-136	1		30
p-Diethylbenzene	115		110		70-130	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2516543

Project Number: 2221378

Report Date: 03/31/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG2047322-3 WG2047322-4								
p-Ethyltoluene	109		105		70-130	4		30
1,2,4,5-Tetramethylbenzene	108		105		70-130	3		30
Ethyl ether	107		103		67-130	4		30
trans-1,4-Dichloro-2-butene	106		97		70-130	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		88		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	101		104		70-130
Dibromofluoromethane	95		93		70-130

INORGANICS & MISCELLANEOUS

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516543
Report Date: 03/31/25

SAMPLE RESULTS

Lab ID: L2516543-01
Client ID: MW-2 NESTED (97)
Sample Location: YONKERS, NY

Date Collected: 03/20/25 11:00
Date Received: 03/20/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.5		%	0.100	NA	1	-	03/21/25 21:03	121,2540G	SJB



Lab Duplicate Analysis*Batch Quality Control***Project Name:** WARBURTON DRY CLEANERS SITE**Project Number:** 2221378**Lab Number:** L2516543**Report Date:** 03/31/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2043694-1 QC Sample: L2516223-01 Client ID: DUP Sample						
Solids, Total	84.7	86.1	%	2		20

Project Name: WARBURTON DRY CLEANERS SITE**Lab Number:** L2516543**Project Number:** 2221378**Report Date:** 03/31/25**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2516543-01A	Vial MeOH preserved	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L2516543-01B	Vial water preserved	A	NA		4.3	Y	Absent	21-MAR-25 21:39	NYTCL-8260HLW(14)
L2516543-01C	Vial water preserved	A	NA		4.3	Y	Absent	21-MAR-25 21:39	NYTCL-8260HLW(14)
L2516543-01D	Plastic 2oz unpreserved for TS	A	NA		4.3	Y	Absent		TS(7)

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516543
Report Date: 03/31/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: WARBURTON DRY CLEANERS SITE
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Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: WARBURTON DRY CLEANERS SITE
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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516543
Report Date: 03/31/25

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

MADEP-APH.**Nonpotable Water:** EPA RSK-175 Dissolved Gases**Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048**Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)**

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.** **EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

Pace Analytical Services LLCID No.: **17873**Facility: **Northeast**

Revision 27

Department: **Quality Assurance**

Published Date: 01/24/2025

Title: **Certificate/Approval Program Summary**

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Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

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Date Rec'd
in Lab

ALPHA Job #

L2516543

These samples have been previously analyzed.

Rush (only if pre approved) ☐

of Days:

☐ NYC Sewer Discharge

PO

(Please Specify below)

Sampler's
Initials

8260 VOLP

0 - Other

Preservative

Date/Time

Date/Time: 5/20/2017 02:00

5/20/18 11:10
2018 IR

2/9 045 18.7
12.5 65 33.4

Form No: 01-25 HC (rev. 30-Sept-2013)

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)



ANALYTICAL REPORT

Lab Number:	L2519480
Client:	LaBella Associates 45 Main Street Brooklyn, NY 11201
ATTN:	Cynthia Chu
Phone:	(917) 280-6364
Project Name:	WARBURTON DRY CLEANERS SITE
Project Number:	2221378
Report Date:	04/15/25

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Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: WARBURTON DRY CLEANERS SITE**Project Number:** 2221378**Lab Number:** L2519480**Report Date:** 04/15/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2519480-01	MW-2 NESTED-B	WATER	YONKERS, NY	03/31/25 17:45	04/01/25
L2519480-02	MW-2 NESTED-C	WATER	YONKERS, NY	04/01/25 15:37	04/01/25
L2519480-03	MW-2 NESTED-D	WATER	YONKERS, NY	04/01/25 16:16	04/01/25
L2519480-04	MW-6 NESTED-B	WATER	YONKERS, NY	03/31/25 16:00	04/01/25
L2519480-05	MW-6 NESTED-C	WATER	YONKERS, NY	04/01/25 09:55	04/01/25
L2519480-06	MW-6 NESTED-D	WATER	YONKERS, NY	04/01/25 11:40	04/01/25
L2519480-07	DUPLICATE	WATER	YONKERS, NY	04/01/25 00:00	04/01/25
L2519480-08	TRIP BLANK	WATER	YONKERS, NY	03/31/25 00:00	04/01/25

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

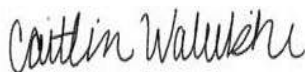
L2519480-07 and -08: The collection date and time were specified by the client.

Volatile Organics

The WG2054157-6 MS recovery performed on L2519480-01 is outside the acceptance criteria for tetrachloroethene (0%). The unacceptable percent recovery is attributed to the elevated concentrations of target compounds present in the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 04/15/25

ORGANICS

VOLATILES

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

SAMPLE RESULTS

Lab ID: L2519480-01 D
 Client ID: MW-2 NESTED-B
 Sample Location: YONKERS, NY

Date Collected: 03/31/25 17:45
 Date Received: 04/01/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 04/11/25 16:46
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	100	28.	40
1,1-Dichloroethane	ND		ug/l	100	28.	40
Chloroform	ND		ug/l	100	28.	40
Carbon tetrachloride	ND		ug/l	20	5.4	40
1,2-Dichloropropane	ND		ug/l	40	5.5	40
Dibromochloromethane	ND		ug/l	20	6.0	40
1,1,2-Trichloroethane	ND		ug/l	60	20.	40
Tetrachloroethene	3500		ug/l	20	7.2	40
Chlorobenzene	ND		ug/l	100	28.	40
Trichlorofluoromethane	ND		ug/l	100	28.	40
1,2-Dichloroethane	ND		ug/l	20	5.3	40
1,1,1-Trichloroethane	ND		ug/l	100	28.	40
Bromodichloromethane	ND		ug/l	20	7.7	40
trans-1,3-Dichloropropene	ND		ug/l	20	6.6	40
cis-1,3-Dichloropropene	ND		ug/l	20	5.8	40
1,3-Dichloropropene, Total	ND		ug/l	20	5.8	40
1,1-Dichloropropene	ND		ug/l	100	28.	40
Bromoform	ND		ug/l	80	26.	40
1,1,2,2-Tetrachloroethane	ND		ug/l	20	6.7	40
Benzene	ND		ug/l	20	6.4	40
Toluene	ND		ug/l	100	28.	40
Ethylbenzene	ND		ug/l	100	28.	40
Chloromethane	ND		ug/l	100	28.	40
Bromomethane	ND		ug/l	100	28.	40
Vinyl chloride	ND		ug/l	40	2.8	40
Chloroethane	ND		ug/l	100	28.	40
1,1-Dichloroethene	ND		ug/l	20	6.8	40
trans-1,2-Dichloroethene	ND		ug/l	100	28.	40



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

SAMPLE RESULTS

Lab ID: L2519480-01 D
Client ID: MW-2 NESTED-B
Sample Location: YONKERS, NY

Date Collected: 03/31/25 17:45
Date Received: 04/01/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	20	7.0	40
1,2-Dichlorobenzene	ND		ug/l	100	28.	40
1,3-Dichlorobenzene	ND		ug/l	100	28.	40
1,4-Dichlorobenzene	ND		ug/l	100	28.	40
Methyl tert butyl ether	ND		ug/l	100	6.6	40
p/m-Xylene	ND		ug/l	100	28.	40
o-Xylene	ND		ug/l	100	28.	40
Xylenes, Total	ND		ug/l	100	28.	40
cis-1,2-Dichloroethene	ND		ug/l	100	28.	40
1,2-Dichloroethene, Total	ND		ug/l	100	28.	40
Dibromomethane	ND		ug/l	200	40.	40
1,2,3-Trichloropropane	ND		ug/l	100	28.	40
Acrylonitrile	ND		ug/l	200	60.	40
Styrene	ND		ug/l	100	28.	40
Dichlorodifluoromethane	ND		ug/l	200	40.	40
Acetone	ND		ug/l	200	58.	40
Carbon disulfide	ND		ug/l	200	40.	40
2-Butanone	ND		ug/l	200	78.	40
Vinyl acetate	ND		ug/l	200	40.	40
4-Methyl-2-pentanone	ND		ug/l	200	40.	40
2-Hexanone	ND		ug/l	200	40.	40
Bromochloromethane	ND		ug/l	100	28.	40
2,2-Dichloropropane	ND		ug/l	100	28.	40
1,2-Dibromoethane	ND		ug/l	80	26.	40
1,3-Dichloropropane	ND		ug/l	100	28.	40
1,1,1,2-Tetrachloroethane	ND		ug/l	100	28.	40
Bromobenzene	ND		ug/l	100	28.	40
n-Butylbenzene	ND		ug/l	100	28.	40
sec-Butylbenzene	ND		ug/l	100	28.	40
tert-Butylbenzene	ND		ug/l	100	28.	40
o-Chlorotoluene	ND		ug/l	100	28.	40
p-Chlorotoluene	ND		ug/l	100	28.	40
1,2-Dibromo-3-chloropropane	ND		ug/l	100	28.	40
Hexachlorobutadiene	ND		ug/l	100	28.	40
Isopropylbenzene	ND		ug/l	100	28.	40
p-Isopropyltoluene	ND		ug/l	100	28.	40
Naphthalene	ND		ug/l	100	28.	40



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

SAMPLE RESULTS

Lab ID: L2519480-01 D
Client ID: MW-2 NESTED-B
Sample Location: YONKERS, NY

Date Collected: 03/31/25 17:45
Date Received: 04/01/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	100	28.	40
1,2,3-Trichlorobenzene	ND		ug/l	100	28.	40
1,2,4-Trichlorobenzene	ND		ug/l	100	28.	40
1,3,5-Trimethylbenzene	ND		ug/l	100	28.	40
1,2,4-Trimethylbenzene	ND		ug/l	100	28.	40
1,4-Dioxane	ND		ug/l	10000	2400	40
p-Diethylbenzene	ND		ug/l	80	28.	40
p-Ethyltoluene	ND		ug/l	80	28.	40
1,2,4,5-Tetramethylbenzene	ND		ug/l	80	22.	40
Ethyl ether	ND		ug/l	100	28.	40
trans-1,4-Dichloro-2-butene	ND		ug/l	100	28.	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	104		70-130

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

SAMPLE RESULTS

Lab ID: L2519480-02 D
Client ID: MW-2 NESTED-C
Sample Location: YONKERS, NY

Date Collected: 04/01/25 15:37
Date Received: 04/01/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/14/25 10:35
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	120	35.	50
1,1-Dichloroethane	ND		ug/l	120	35.	50
Chloroform	ND		ug/l	120	35.	50
Carbon tetrachloride	ND		ug/l	25	6.7	50
1,2-Dichloropropane	ND		ug/l	50	6.8	50
Dibromochloromethane	ND		ug/l	25	7.4	50
1,1,2-Trichloroethane	ND		ug/l	75	25.	50
Tetrachloroethene	5300		ug/l	25	9.0	50
Chlorobenzene	ND		ug/l	120	35.	50
Trichlorofluoromethane	ND		ug/l	120	35.	50
1,2-Dichloroethane	ND		ug/l	25	6.6	50
1,1,1-Trichloroethane	ND		ug/l	120	35.	50
Bromodichloromethane	ND		ug/l	25	9.6	50
trans-1,3-Dichloropropene	ND		ug/l	25	8.2	50
cis-1,3-Dichloropropene	ND		ug/l	25	7.2	50
1,3-Dichloropropene, Total	ND		ug/l	25	7.2	50
1,1-Dichloropropene	ND		ug/l	120	35.	50
Bromoform	ND		ug/l	100	32.	50
1,1,2,2-Tetrachloroethane	ND		ug/l	25	8.4	50
Benzene	ND		ug/l	25	8.0	50
Toluene	ND		ug/l	120	35.	50
Ethylbenzene	ND		ug/l	120	35.	50
Chloromethane	ND		ug/l	120	35.	50
Bromomethane	ND		ug/l	120	35.	50
Vinyl chloride	ND		ug/l	50	3.6	50
Chloroethane	ND		ug/l	120	35.	50
1,1-Dichloroethene	ND		ug/l	25	8.4	50
trans-1,2-Dichloroethene	ND		ug/l	120	35.	50



Project Name: WARBURTON DRY CLEANERS SITE**Lab Number:** L2519480**Project Number:** 2221378**Report Date:** 04/15/25**SAMPLE RESULTS**

Lab ID: L2519480-02 D

Date Collected: 04/01/25 15:37

Client ID: MW-2 NESTED-C

Date Received: 04/01/25

Sample Location: YONKERS, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	25	8.8	50
1,2-Dichlorobenzene	ND		ug/l	120	35.	50
1,3-Dichlorobenzene	ND		ug/l	120	35.	50
1,4-Dichlorobenzene	ND		ug/l	120	35.	50
Methyl tert butyl ether	ND		ug/l	120	8.3	50
p/m-Xylene	ND		ug/l	120	35.	50
o-Xylene	ND		ug/l	120	35.	50
Xylenes, Total	ND		ug/l	120	35.	50
cis-1,2-Dichloroethene	ND		ug/l	120	35.	50
1,2-Dichloroethene, Total	ND		ug/l	120	35.	50
Dibromomethane	ND		ug/l	250	50.	50
1,2,3-Trichloropropane	ND		ug/l	120	35.	50
Acrylonitrile	ND		ug/l	250	75.	50
Styrene	ND		ug/l	120	35.	50
Dichlorodifluoromethane	ND		ug/l	250	50.	50
Acetone	ND		ug/l	250	73.	50
Carbon disulfide	ND		ug/l	250	50.	50
2-Butanone	ND		ug/l	250	97.	50
Vinyl acetate	ND		ug/l	250	50.	50
4-Methyl-2-pentanone	ND		ug/l	250	50.	50
2-Hexanone	ND		ug/l	250	50.	50
Bromochloromethane	ND		ug/l	120	35.	50
2,2-Dichloropropane	ND		ug/l	120	35.	50
1,2-Dibromoethane	ND		ug/l	100	32.	50
1,3-Dichloropropane	ND		ug/l	120	35.	50
1,1,1,2-Tetrachloroethane	ND		ug/l	120	35.	50
Bromobenzene	ND		ug/l	120	35.	50
n-Butylbenzene	ND		ug/l	120	35.	50
sec-Butylbenzene	ND		ug/l	120	35.	50
tert-Butylbenzene	ND		ug/l	120	35.	50
o-Chlorotoluene	ND		ug/l	120	35.	50
p-Chlorotoluene	ND		ug/l	120	35.	50
1,2-Dibromo-3-chloropropane	ND		ug/l	120	35.	50
Hexachlorobutadiene	ND		ug/l	120	35.	50
Isopropylbenzene	ND		ug/l	120	35.	50
p-Isopropyltoluene	ND		ug/l	120	35.	50
Naphthalene	ND		ug/l	120	35.	50



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

SAMPLE RESULTS

Lab ID: L2519480-02 D
Client ID: MW-2 NESTED-C
Sample Location: YONKERS, NY

Date Collected: 04/01/25 15:37
Date Received: 04/01/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	120	35.	50
1,2,3-Trichlorobenzene	ND		ug/l	120	35.	50
1,2,4-Trichlorobenzene	ND		ug/l	120	35.	50
1,3,5-Trimethylbenzene	ND		ug/l	120	35.	50
1,2,4-Trimethylbenzene	ND		ug/l	120	35.	50
1,4-Dioxane	ND		ug/l	12000	3000	50
p-Diethylbenzene	ND		ug/l	100	35.	50
p-Ethyltoluene	ND		ug/l	100	35.	50
1,2,4,5-Tetramethylbenzene	ND		ug/l	100	27.	50
Ethyl ether	ND		ug/l	120	35.	50
trans-1,4-Dichloro-2-butene	ND		ug/l	120	35.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

SAMPLE RESULTS

Lab ID: L2519480-03 D
Client ID: MW-2 NESTED-D
Sample Location: YONKERS, NY

Date Collected: 04/01/25 16:16
Date Received: 04/01/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/11/25 17:39
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	820		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
1,3-Dichloropropene, Total	ND		ug/l	5.0	1.4	10
1,1-Dichloropropene	ND		ug/l	25	7.0	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10



Project Name: WARBURTON DRY CLEANERS SITE**Lab Number:** L2519480**Project Number:** 2221378**Report Date:** 04/15/25**SAMPLE RESULTS**

Lab ID: L2519480-03 D

Date Collected: 04/01/25 16:16

Client ID: MW-2 NESTED-D

Date Received: 04/01/25

Sample Location: YONKERS, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	1.7	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
Xylenes, Total	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	ND		ug/l	25	7.0	10
1,2-Dichloroethene, Total	ND		ug/l	25	7.0	10
Dibromomethane	ND		ug/l	50	10.	10
1,2,3-Trichloropropane	ND		ug/l	25	7.0	10
Acrylonitrile	ND		ug/l	50	15.	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
Vinyl acetate	ND		ug/l	50	10.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
2,2-Dichloropropane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,3-Dichloropropane	ND		ug/l	25	7.0	10
1,1,1,2-Tetrachloroethane	ND		ug/l	25	7.0	10
Bromobenzene	ND		ug/l	25	7.0	10
n-Butylbenzene	ND		ug/l	25	7.0	10
sec-Butylbenzene	ND		ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
o-Chlorotoluene	ND		ug/l	25	7.0	10
p-Chlorotoluene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Hexachlorobutadiene	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
p-Isopropyltoluene	ND		ug/l	25	7.0	10
Naphthalene	ND		ug/l	25	7.0	10



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

SAMPLE RESULTS

Lab ID: L2519480-03 D
Client ID: MW-2 NESTED-D
Sample Location: YONKERS, NY

Date Collected: 04/01/25 16:16
Date Received: 04/01/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	ND		ug/l	25	7.0	10
1,2,4-Trimethylbenzene	ND		ug/l	25	7.0	10
1,4-Dioxane	ND		ug/l	2500	610	10
p-Diethylbenzene	ND		ug/l	20	7.0	10
p-Ethyltoluene	ND		ug/l	20	7.0	10
1,2,4,5-Tetramethylbenzene	ND		ug/l	20	5.4	10
Ethyl ether	ND		ug/l	25	7.0	10
trans-1,4-Dichloro-2-butene	ND		ug/l	25	7.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	104		70-130

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

SAMPLE RESULTS

Lab ID: L2519480-04
Client ID: MW-6 NESTED-B
Sample Location: YONKERS, NY

Date Collected: 03/31/25 16:00
Date Received: 04/01/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/11/25 15:02
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	0.96	J	ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	11		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	19		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	2.6		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

SAMPLE RESULTS

Lab ID: L2519480-04
Client ID: MW-6 NESTED-B
Sample Location: YONKERS, NY

Date Collected: 03/31/25 16:00
Date Received: 04/01/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.1	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

SAMPLE RESULTS

Lab ID: L2519480-04
Client ID: MW-6 NESTED-B
Sample Location: YONKERS, NY

Date Collected: 03/31/25 16:00
Date Received: 04/01/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	99		70-130

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

SAMPLE RESULTS

Lab ID: L2519480-05 D
Client ID: MW-6 NESTED-C
Sample Location: YONKERS, NY

Date Collected: 04/01/25 09:55
Date Received: 04/01/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/11/25 15:28
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	11	J	ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	470		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
1,3-Dichloropropene, Total	ND		ug/l	2.5	0.72	5
1,1-Dichloropropene	ND		ug/l	12	3.5	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

SAMPLE RESULTS

Lab ID: L2519480-05 D
Client ID: MW-6 NESTED-C
Sample Location: YONKERS, NY

Date Collected: 04/01/25 09:55
Date Received: 04/01/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	0.83	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
Xylenes, Total	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	ND		ug/l	12	3.5	5
1,2-Dichloroethene, Total	ND		ug/l	12	3.5	5
Dibromomethane	ND		ug/l	25	5.0	5
1,2,3-Trichloropropane	ND		ug/l	12	3.5	5
Acrylonitrile	ND		ug/l	25	7.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
Vinyl acetate	ND		ug/l	25	5.0	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
2,2-Dichloropropane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,3-Dichloropropane	ND		ug/l	12	3.5	5
1,1,1,2-Tetrachloroethane	ND		ug/l	12	3.5	5
Bromobenzene	ND		ug/l	12	3.5	5
n-Butylbenzene	ND		ug/l	12	3.5	5
sec-Butylbenzene	ND		ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
o-Chlorotoluene	ND		ug/l	12	3.5	5
p-Chlorotoluene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Hexachlorobutadiene	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
p-Isopropyltoluene	ND		ug/l	12	3.5	5
Naphthalene	ND		ug/l	12	3.5	5



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

SAMPLE RESULTS

Lab ID: L2519480-05 D
Client ID: MW-6 NESTED-C
Sample Location: YONKERS, NY

Date Collected: 04/01/25 09:55
Date Received: 04/01/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	ND		ug/l	12	3.5	5
1,2,4-Trimethylbenzene	ND		ug/l	12	3.5	5
1,4-Dioxane	ND		ug/l	1200	300	5
p-Diethylbenzene	ND		ug/l	10	3.5	5
p-Ethyltoluene	ND		ug/l	10	3.5	5
1,2,4,5-Tetramethylbenzene	ND		ug/l	10	2.7	5
Ethyl ether	ND		ug/l	12	3.5	5
trans-1,4-Dichloro-2-butene	ND		ug/l	12	3.5	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	101		70-130

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

SAMPLE RESULTS

Lab ID: L2519480-06 D
Client ID: MW-6 NESTED-D
Sample Location: YONKERS, NY

Date Collected: 04/01/25 11:40
Date Received: 04/01/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/11/25 15:54
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	810		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
1,3-Dichloropropene, Total	ND		ug/l	5.0	1.4	10
1,1-Dichloropropene	ND		ug/l	25	7.0	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10



Project Name: WARBURTON DRY CLEANERS SITE**Lab Number:** L2519480**Project Number:** 2221378**Report Date:** 04/15/25**SAMPLE RESULTS**

Lab ID: L2519480-06 D

Date Collected: 04/01/25 11:40

Client ID: MW-6 NESTED-D

Date Received: 04/01/25

Sample Location: YONKERS, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	1.7	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
Xylenes, Total	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	ND		ug/l	25	7.0	10
1,2-Dichloroethene, Total	ND		ug/l	25	7.0	10
Dibromomethane	ND		ug/l	50	10.	10
1,2,3-Trichloropropane	ND		ug/l	25	7.0	10
Acrylonitrile	ND		ug/l	50	15.	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
Vinyl acetate	ND		ug/l	50	10.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
2,2-Dichloropropane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,3-Dichloropropane	ND		ug/l	25	7.0	10
1,1,1,2-Tetrachloroethane	ND		ug/l	25	7.0	10
Bromobenzene	ND		ug/l	25	7.0	10
n-Butylbenzene	ND		ug/l	25	7.0	10
sec-Butylbenzene	ND		ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
o-Chlorotoluene	ND		ug/l	25	7.0	10
p-Chlorotoluene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Hexachlorobutadiene	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
p-Isopropyltoluene	ND		ug/l	25	7.0	10
Naphthalene	ND		ug/l	25	7.0	10



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

SAMPLE RESULTS

Lab ID: L2519480-06 D
Client ID: MW-6 NESTED-D
Sample Location: YONKERS, NY

Date Collected: 04/01/25 11:40
Date Received: 04/01/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	ND		ug/l	25	7.0	10
1,2,4-Trimethylbenzene	ND		ug/l	25	7.0	10
1,4-Dioxane	ND		ug/l	2500	610	10
p-Diethylbenzene	ND		ug/l	20	7.0	10
p-Ethyltoluene	ND		ug/l	20	7.0	10
1,2,4,5-Tetramethylbenzene	ND		ug/l	20	5.4	10
Ethyl ether	ND		ug/l	25	7.0	10
trans-1,4-Dichloro-2-butene	ND		ug/l	25	7.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	102		70-130

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

SAMPLE RESULTS

Lab ID: L2519480-07 D
 Client ID: DUPLICATE
 Sample Location: YONKERS, NY

Date Collected: 04/01/25 00:00
 Date Received: 04/01/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 04/14/25 11:01
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	120	35.	50
1,1-Dichloroethane	ND		ug/l	120	35.	50
Chloroform	ND		ug/l	120	35.	50
Carbon tetrachloride	ND		ug/l	25	6.7	50
1,2-Dichloropropane	ND		ug/l	50	6.8	50
Dibromochloromethane	ND		ug/l	25	7.4	50
1,1,2-Trichloroethane	ND		ug/l	75	25.	50
Tetrachloroethene	5400		ug/l	25	9.0	50
Chlorobenzene	ND		ug/l	120	35.	50
Trichlorofluoromethane	ND		ug/l	120	35.	50
1,2-Dichloroethane	ND		ug/l	25	6.6	50
1,1,1-Trichloroethane	ND		ug/l	120	35.	50
Bromodichloromethane	ND		ug/l	25	9.6	50
trans-1,3-Dichloropropene	ND		ug/l	25	8.2	50
cis-1,3-Dichloropropene	ND		ug/l	25	7.2	50
1,3-Dichloropropene, Total	ND		ug/l	25	7.2	50
1,1-Dichloropropene	ND		ug/l	120	35.	50
Bromoform	ND		ug/l	100	32.	50
1,1,2,2-Tetrachloroethane	ND		ug/l	25	8.4	50
Benzene	ND		ug/l	25	8.0	50
Toluene	ND		ug/l	120	35.	50
Ethylbenzene	ND		ug/l	120	35.	50
Chloromethane	ND		ug/l	120	35.	50
Bromomethane	ND		ug/l	120	35.	50
Vinyl chloride	ND		ug/l	50	3.6	50
Chloroethane	ND		ug/l	120	35.	50
1,1-Dichloroethene	ND		ug/l	25	8.4	50
trans-1,2-Dichloroethene	ND		ug/l	120	35.	50



Project Name: WARBURTON DRY CLEANERS SITE**Lab Number:** L2519480**Project Number:** 2221378**Report Date:** 04/15/25**SAMPLE RESULTS**

Lab ID: L2519480-07 D

Date Collected: 04/01/25 00:00

Client ID: DUPLICATE

Date Received: 04/01/25

Sample Location: YONKERS, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	25	8.8	50
1,2-Dichlorobenzene	ND		ug/l	120	35.	50
1,3-Dichlorobenzene	ND		ug/l	120	35.	50
1,4-Dichlorobenzene	ND		ug/l	120	35.	50
Methyl tert butyl ether	ND		ug/l	120	8.3	50
p/m-Xylene	ND		ug/l	120	35.	50
o-Xylene	ND		ug/l	120	35.	50
Xylenes, Total	ND		ug/l	120	35.	50
cis-1,2-Dichloroethene	ND		ug/l	120	35.	50
1,2-Dichloroethene, Total	ND		ug/l	120	35.	50
Dibromomethane	ND		ug/l	250	50.	50
1,2,3-Trichloropropane	ND		ug/l	120	35.	50
Acrylonitrile	ND		ug/l	250	75.	50
Styrene	ND		ug/l	120	35.	50
Dichlorodifluoromethane	ND		ug/l	250	50.	50
Acetone	ND		ug/l	250	73.	50
Carbon disulfide	ND		ug/l	250	50.	50
2-Butanone	ND		ug/l	250	97.	50
Vinyl acetate	ND		ug/l	250	50.	50
4-Methyl-2-pentanone	ND		ug/l	250	50.	50
2-Hexanone	ND		ug/l	250	50.	50
Bromochloromethane	ND		ug/l	120	35.	50
2,2-Dichloropropane	ND		ug/l	120	35.	50
1,2-Dibromoethane	ND		ug/l	100	32.	50
1,3-Dichloropropane	ND		ug/l	120	35.	50
1,1,1,2-Tetrachloroethane	ND		ug/l	120	35.	50
Bromobenzene	ND		ug/l	120	35.	50
n-Butylbenzene	ND		ug/l	120	35.	50
sec-Butylbenzene	ND		ug/l	120	35.	50
tert-Butylbenzene	ND		ug/l	120	35.	50
o-Chlorotoluene	ND		ug/l	120	35.	50
p-Chlorotoluene	ND		ug/l	120	35.	50
1,2-Dibromo-3-chloropropane	ND		ug/l	120	35.	50
Hexachlorobutadiene	ND		ug/l	120	35.	50
Isopropylbenzene	ND		ug/l	120	35.	50
p-Isopropyltoluene	ND		ug/l	120	35.	50
Naphthalene	ND		ug/l	120	35.	50



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

SAMPLE RESULTS

Lab ID: L2519480-07 D
Client ID: DUPLICATE
Sample Location: YONKERS, NY

Date Collected: 04/01/25 00:00
Date Received: 04/01/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	120	35.	50
1,2,3-Trichlorobenzene	ND		ug/l	120	35.	50
1,2,4-Trichlorobenzene	ND		ug/l	120	35.	50
1,3,5-Trimethylbenzene	ND		ug/l	120	35.	50
1,2,4-Trimethylbenzene	ND		ug/l	120	35.	50
1,4-Dioxane	ND		ug/l	12000	3000	50
p-Diethylbenzene	ND		ug/l	100	35.	50
p-Ethyltoluene	ND		ug/l	100	35.	50
1,2,4,5-Tetramethylbenzene	ND		ug/l	100	27.	50
Ethyl ether	ND		ug/l	120	35.	50
trans-1,4-Dichloro-2-butene	ND		ug/l	120	35.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

SAMPLE RESULTS

Lab ID: L2519480-08
Client ID: TRIP BLANK
Sample Location: YONKERS, NY

Date Collected: 03/31/25 00:00
Date Received: 04/01/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/11/25 14:36
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	0.79	J	ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1



Project Name: WARBURTON DRY CLEANERS SITE**Lab Number:** L2519480**Project Number:** 2221378**Report Date:** 04/15/25**SAMPLE RESULTS**

Lab ID: L2519480-08
 Client ID: TRIP BLANK
 Sample Location: YONKERS, NY

Date Collected: 03/31/25 00:00
 Date Received: 04/01/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	1.2	J	ug/l	2.5	0.70	1



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

SAMPLE RESULTS

Lab ID: L2519480-08
Client ID: TRIP BLANK
Sample Location: YONKERS, NY

Date Collected: 03/31/25 00:00
Date Received: 04/01/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	100		70-130

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 04/14/25 08:30
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,07 Batch: WG2053623-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 04/14/25 08:30
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,07 Batch: WG2053623-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/14/25 08:30
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,07 Batch: WG2053623-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 04/11/25 08:56
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-06,08 Batch: WG2054157-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 04/11/25 08:56
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-06,08 Batch: WG2054157-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 04/11/25 08:56
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-06,08 Batch: WG2054157-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	103		70-130



Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2519480

Project Number: 2221378

Report Date: 04/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,07 Batch: WG2053623-3 WG2053623-4								
Methylene chloride	97		97		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	96		97		70-130	1		20
Carbon tetrachloride	90		90		63-132	0		20
1,2-Dichloropropane	98		100		70-130	2		20
Dibromochloromethane	85		86		63-130	1		20
1,1,2-Trichloroethane	91		92		70-130	1		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	99		99		75-130	0		20
Trichlorofluoromethane	95		94		62-150	1		20
1,2-Dichloroethane	100		99		70-130	1		20
1,1,1-Trichloroethane	95		95		67-130	0		20
Bromodichloromethane	91		90		67-130	1		20
trans-1,3-Dichloropropene	89		88		70-130	1		20
cis-1,3-Dichloropropene	91		91		70-130	0		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	76		76		54-136	0		20
1,1,2,2-Tetrachloroethane	87		87		67-130	0		20
Benzene	99		98		70-130	1		20
Toluene	99		100		70-130	1		20
Ethylbenzene	98		97		70-130	1		20
Chloromethane	93		90		64-130	3		20
Bromomethane	120		120		39-139	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2519480

Project Number: 2221378

Report Date: 04/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,07 Batch: WG2053623-3 WG2053623-4								
Vinyl chloride	100		100		55-140	0		20
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	98		98		61-145	0		20
trans-1,2-Dichloroethene	99		98		70-130	1		20
Trichloroethene	94		93		70-130	1		20
1,2-Dichlorobenzene	99		100		70-130	1		20
1,3-Dichlorobenzene	99		99		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	87		88		63-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	99		99		70-130	0		20
Dibromomethane	93		95		70-130	2		20
1,2,3-Trichloropropane	95		95		64-130	0		20
Acrylonitrile	90		92		70-130	2		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	85		85		36-147	0		20
Acetone	90		91		58-148	1		20
Carbon disulfide	100		99		51-130	1		20
2-Butanone	79		93		63-138	16		20
Vinyl acetate	84		82		70-130	2		20
4-Methyl-2-pentanone	83		84		59-130	1		20
2-Hexanone	79		81		57-130	3		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2519480

Project Number: 2221378

Report Date: 04/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,07 Batch: WG2053623-3 WG2053623-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	94		92		63-133	2		20
1,2-Dibromoethane	92		92		70-130	0		20
1,3-Dichloropropane	98		98		70-130	0		20
1,1,1,2-Tetrachloroethane	89		90		64-130	1		20
Bromobenzene	97		97		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	99		100		70-130	1		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	98		100		70-130	2		20
1,2-Dibromo-3-chloropropane	74		75		41-144	1		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	91		92		70-130	1		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	95		96		70-130	1		20
1,2,4-Trichlorobenzene	99		99		70-130	0		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	100		100		56-162	0		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2519480

Project Number: 2221378

Report Date: 04/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,07 Batch: WG2053623-3 WG2053623-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	98		97		70-130	1		20
Ethyl ether	98		97		59-134	1		20
trans-1,4-Dichloro-2-butene	82		83		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		101		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2519480

Project Number: 2221378

Report Date: 04/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-06,08 Batch: WG2054157-3 WG2054157-4								
Methylene chloride	84		83		70-130	1		20
1,1-Dichloroethane	85		83		70-130	2		20
Chloroform	90		89		70-130	1		20
Carbon tetrachloride	95		92		63-132	3		20
1,2-Dichloropropane	82		82		70-130	0		20
Dibromochloromethane	94		93		63-130	1		20
1,1,2-Trichloroethane	88		86		70-130	2		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	95		94		75-130	1		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	90		86		70-130	5		20
1,1,1-Trichloroethane	94		90		67-130	4		20
Bromodichloromethane	89		87		67-130	2		20
trans-1,3-Dichloropropene	79		78		70-130	1		20
cis-1,3-Dichloropropene	77		77		70-130	0		20
1,1-Dichloropropene	84		84		70-130	0		20
Bromoform	93		93		54-136	0		20
1,1,2,2-Tetrachloroethane	91		90		67-130	1		20
Benzene	92		91		70-130	1		20
Toluene	92		92		70-130	0		20
Ethylbenzene	93		90		70-130	3		20
Chloromethane	66		66		64-130	0		20
Bromomethane	120		110		39-139	9		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2519480

Project Number: 2221378

Report Date: 04/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-06,08 Batch: WG2054157-3 WG2054157-4								
Vinyl chloride	90		88		55-140	2		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	92		91		61-145	1		20
trans-1,2-Dichloroethene	92		91		70-130	1		20
Trichloroethene	90		87		70-130	3		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	88		89		63-130	1		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	91		91		70-130	0		20
Dibromomethane	92		91		70-130	1		20
1,2,3-Trichloropropane	89		88		64-130	1		20
Acrylonitrile	84		80		70-130	5		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	79		76		36-147	4		20
Acetone	61		55	Q	58-148	10		20
Carbon disulfide	83		82		51-130	1		20
2-Butanone	68		64		63-138	6		20
Vinyl acetate	66	Q	67	Q	70-130	2		20
4-Methyl-2-pentanone	73		74		59-130	1		20
2-Hexanone	62		60		57-130	3		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2519480

Project Number: 2221378

Report Date: 04/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-06,08 Batch: WG2054157-3 WG2054157-4								
Bromochloromethane	110		100		70-130	10		20
2,2-Dichloropropane	100		98		63-133	2		20
1,2-Dibromoethane	91		91		70-130	0		20
1,3-Dichloropropane	87		85		70-130	2		20
1,1,1,2-Tetrachloroethane	97		95		64-130	2		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	96		93		53-136	3		20
sec-Butylbenzene	99		96		70-130	3		20
tert-Butylbenzene	95		92		70-130	3		20
o-Chlorotoluene	94		93		70-130	1		20
p-Chlorotoluene	93		92		70-130	1		20
1,2-Dibromo-3-chloropropane	85		88		41-144	3		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	96		94		70-130	2		20
p-Isopropyltoluene	96		94		70-130	2		20
Naphthalene	82		90		70-130	9		20
n-Propylbenzene	94		93		69-130	1		20
1,2,3-Trichlorobenzene	99		100		70-130	1		20
1,2,4-Trichlorobenzene	98		98		70-130	0		20
1,3,5-Trimethylbenzene	98		96		64-130	2		20
1,2,4-Trimethylbenzene	100		98		70-130	2		20
1,4-Dioxane	92		98		56-162	6		20
p-Diethylbenzene	96		91		70-130	5		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2519480

Project Number: 2221378

Report Date: 04/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-06,08 Batch: WG2054157-3 WG2054157-4								
p-Ethyltoluene	96		95		70-130	1		20
1,2,4,5-Tetramethylbenzene	91		87		70-130	4		20
Ethyl ether	120		120		59-134	0		20
trans-1,4-Dichloro-2-butene	69	Q	71		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		95		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	89		90		70-130
Dibromofluoromethane	103		101		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: WARBURTON DRY CLEANERS SITE

Project Number: 2221378

Lab Number: L2519480

Report Date: 04/15/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-06,08 QC Batch ID: WG2054157-6 WG2054157-7 QC Sample: L2519480-01 Client ID: MW-2 NESTED-B												
Methylene chloride	ND	400	350	88		340	85		70-130	3		20
1,1-Dichloroethane	ND	400	350	88		350	88		70-130	0		20
Chloroform	ND	400	380	95		370	92		70-130	3		20
Carbon tetrachloride	ND	400	380	95		360	90		63-132	5		20
1,2-Dichloropropane	ND	400	350	88		330	82		70-130	6		20
Dibromochloromethane	ND	400	390	98		380	95		63-130	3		20
1,1,2-Trichloroethane	ND	400	370	92		370	92		70-130	0		20
Tetrachloroethene	3500	400	3500	0	Q	3600	25	Q	70-130	3		20
Chlorobenzene	ND	400	380	95		360	90		75-130	5		20
Trichlorofluoromethane	ND	400	440	110		420	105		62-150	5		20
1,2-Dichloroethane	ND	400	370	92		360	90		70-130	3		20
1,1,1-Trichloroethane	ND	400	390	98		370	92		67-130	5		20
Bromodichloromethane	ND	400	360	90		360	90		67-130	0		20
trans-1,3-Dichloropropene	ND	400	320	80		310	78		70-130	3		20
cis-1,3-Dichloropropene	ND	400	300	75		300	75		70-130	0		20
1,1-Dichloropropene	ND	400	350	88		330	82		70-130	6		20
Bromoform	ND	400	380	95		400	100		54-136	5		20
1,1,1,2,2-Tetrachloroethane	ND	400	370	92		390	98		67-130	5		20
Benzene	ND	400	380	95		370	92		70-130	3		20
Toluene	ND	400	360	90		350	88		70-130	3		20
Ethylbenzene	ND	400	360	90		340	85		70-130	6		20
Chloromethane	ND	400	260	65		270	68		64-130	4		20
Bromomethane	ND	400	370	92		420	105		39-139	13		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Project Number: 2221378

Lab Number: L2519480

Report Date: 04/15/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-06,08 QC Batch ID: WG2054157-6 WG2054157-7 QC Sample: L2519480-01 Client ID: MW-2 NESTED-B												
Vinyl chloride	ND	400	390	98		390	98		55-140	0		20
Chloroethane	ND	400	480	120		480	120		55-138	0		20
1,1-Dichloroethene	ND	400	400	100		380	95		61-145	5		20
trans-1,2-Dichloroethene	ND	400	380	95		370	92		70-130	3		20
Trichloroethene	ND	400	360	90		350	88		70-130	3		20
1,2-Dichlorobenzene	ND	400	400	100		390	98		70-130	3		20
1,3-Dichlorobenzene	ND	400	390	98		380	95		70-130	3		20
1,4-Dichlorobenzene	ND	400	390	98		370	92		70-130	5		20
Methyl tert butyl ether	ND	400	380	95		390	98		63-130	3		20
p/m-Xylene	ND	800	750	94		710	89		70-130	5		20
o-Xylene	ND	800	760	95		720	90		70-130	5		20
cis-1,2-Dichloroethene	ND	400	380	95		380	95		70-130	0		20
Dibromomethane	ND	400	390	98		390	98		70-130	0		20
1,2,3-Trichloropropane	ND	400	370	92		370	92		64-130	0		20
Acrylonitrile	ND	400	350	88		360	90		70-130	3		20
Styrene	ND	800	770	96		740	92		70-130	4		20
Dichlorodifluoromethane	ND	400	310	78		300	75		36-147	3		20
Acetone	ND	400	300	75		290	72		58-148	3		20
Carbon disulfide	ND	400	350	88		340	85		51-130	3		20
2-Butanone	ND	400	280	70		330	82		63-138	16		20
Vinyl acetate	ND	400	270	68	Q	280	70		70-130	4		20
4-Methyl-2-pentanone	ND	400	340	85		340	85		59-130	0		20
2-Hexanone	ND	400	260	65		280	70		57-130	7		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-06,08 QC Batch ID: WG2054157-6 WG2054157-7 QC Sample: L2519480-01 Client ID: MW-2 NESTED-B												
Bromochloromethane	ND	400	440	110		450	113		70-130	2		20
2,2-Dichloropropane	ND	400	340	85		320	80		63-133	6		20
1,2-Dibromoethane	ND	400	380	95		380	95		70-130	0		20
1,3-Dichloropropane	ND	400	360	90		360	90		70-130	0		20
1,1,1,2-Tetrachloroethane	ND	400	390	98		380	95		64-130	3		20
Bromobenzene	ND	400	410	103		400	100		70-130	2		20
n-Butylbenzene	ND	400	350	88		330	82		53-136	6		20
sec-Butylbenzene	ND	400	360	90		350	88		70-130	3		20
tert-Butylbenzene	ND	400	360	90		340	85		70-130	6		20
o-Chlorotoluene	ND	400	360	90		350	88		70-130	3		20
p-Chlorotoluene	ND	400	350	88		340	85		70-130	3		20
1,2-Dibromo-3-chloropropane	ND	400	360	90		390	98		41-144	8		20
Hexachlorobutadiene	ND	400	360	90		360	90		63-130	0		20
Isopropylbenzene	ND	400	360	90		350	88		70-130	3		20
p-Isopropyltoluene	ND	400	350	88		340	85		70-130	3		20
Naphthalene	ND	400	350	88		380	95		70-130	8		20
n-Propylbenzene	ND	400	350	88		340	85		69-130	3		20
1,2,3-Trichlorobenzene	ND	400	400	100		400	100		70-130	0		20
1,2,4-Trichlorobenzene	ND	400	380	95		370	92		70-130	3		20
1,3,5-Trimethylbenzene	ND	400	370	92		350	88		64-130	6		20
1,2,4-Trimethylbenzene	ND	400	370	92		360	90		70-130	3		20
1,4-Dioxane	ND	20000	14000	70		18000	90		56-162	25	Q	20
p-Diethylbenzene	ND	400	340	85		330	82		70-130	3		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-06,08 QC Batch ID: WG2054157-6 WG2054157-7 QC Sample: L2519480-01 Client ID: MW-2 NESTED-B												
p-Ethyltoluene	ND	400	360	90		340	85		70-130	6		20
1,2,4,5-Tetramethylbenzene	ND	400	330	82		320	80		70-130	3		20
Ethyl ether	ND	400	500	125		520	130		59-134	4		20
trans-1,4-Dichloro-2-butene	ND	400	240	60	Q	270	68	Q	70-130	12		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		94		70-130
4-Bromofluorobenzene	88		89		70-130
Dibromofluoromethane	103		102		70-130
Toluene-d8	96		96		70-130

Project Name: WARBURTON DRY CLEANERS SITE**Lab Number:** L2519480**Project Number:** 2221378**Report Date:** 04/15/25**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2519480-01A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-01A1	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-01A2	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-01B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-01B1	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-01B2	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-01C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-01C1	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-01C2	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-02A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-02B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-02C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-03A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-03B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-03C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-04A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-04B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-04C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-05A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-05B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-05C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-06A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-06B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)

Project Name: WARBURTON DRY CLEANERS SITE**Lab Number:** L2519480**Project Number:** 2221378**Report Date:** 04/15/25**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2519480-06C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-07A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-07B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-07C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-08A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-08B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-08C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2519480-08D	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: WARBURTON DRY CLEANERS SITE
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Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: WARBURTON DRY CLEANERS SITE
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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2519480
Report Date: 04/15/25

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

MADEP-APH.**Nonpotable Water:** EPA RSK-175 Dissolved Gases**Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048**Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)**

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg. EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

Pace Analytical Services LLCID No.: **17873**Facility: **Northeast**

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Department: **Quality Assurance**

Published Date: 01/24/2025

Title: **Certificate/Approval Program Summary**

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Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd In Lab 4/2/25		ALPHA Job # 62519480					
		Project Information Project Name: WARBURTON DRY CLEANERS SITE Project Location: YONKERS, NY Project # 2221378 (Use Project name as Project #) ☐ Project Manager: CYNTHIA CHU ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Deliverables ☐ ASP-A ☒ ASP-B ☒ EQuIS (1 File) ☒ EQuIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #							
Client Information Client: LaBelle Associates Address: 45 Main Street, Brooklyn, NY Phone: 516-225-0396 Fax: Email: cchu@labellape.com		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:									
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:						ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below) Sample Specific Comments					
Please specify Metals or TAL:						8260VOC		T O T A L B O T T L E S					
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection						Sample Matrix		Sampler's Initials	
				Date Time									
19480-1		MW-2 NESTED-B w/ MS/MSD		3/31 17:45						GW		WC	
-2		MW-2 NESTED-C		4/1 15:37								WC	
-3		MW-2 NESTED-D		4/1 16:16								WC	
-4		MW-6 NESTED-B		3/31 16:00								WC	
-5		MW-6 NESTED-C		4/1 9:55								WC	
-6		MW-6 NESTED-D		4/1 11:40								WC	
-7		DUPLICATE										WC	
-8		TRIP BLANK						WC					
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type							
						Preservative							
Form No: 01-25 HC (rev. 30-Sept-2013)		Relinquished By: WIFI Pace		Date/Time: 4/1/25 1635		Received By: WIFI Pace		Date/Time: 4/1/25 1635					
		WIFI Pace		4/1/25 1820		WIFI Pace		4/1/25 1845					
		WIFI Pace		4/1/25 02100		WIFI Pace		4/1/25 02100					



ANALYTICAL REPORT

Lab Number:	L2516110
Client:	LaBella Associates 45 Main Street Brooklyn, NY 11201
ATTN:	Cynthia Chu
Phone:	(917) 280-6364
Project Name:	WARBURTON DRY CLEANERS SITE
Project Number:	2221378
Report Date:	04/01/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2516110-01	MW-2 NESTED (23)	SOIL	YONKERS, NY	03/19/25 11:00	03/19/25
L2516110-02	MW-2 NESTED (59)	SOIL	YONKERS, NY	03/19/25 14:10	03/19/25

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2516110-02: The container for Total Solids was received empty; therefore, the analysis could not be performed.

Volatile Organics

L2516110-02: The sample was analyzed as a High Level Methanol in order to quantitate results within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Melissa Sturgis

Title: Technical Director/Representative

Date: 04/01/25

ORGANICS

VOLATILES

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

SAMPLE RESULTS

Lab ID: L2516110-01
Client ID: MW-2 NESTED (23)
Sample Location: YONKERS, NY

Date Collected: 03/19/25 11:00
Date Received: 03/19/25
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/30/25 18:31
Analyst: AJK
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.90	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.90	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.90	0.11	1
Dibromochloromethane	ND		ug/kg	0.90	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.90	0.24	1
Tetrachloroethene	3.0		ug/kg	0.45	0.18	1
Chlorobenzene	ND		ug/kg	0.45	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.90	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.45	0.15	1
Bromodichloromethane	ND		ug/kg	0.45	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.90	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.45	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.45	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	0.15	1
Benzene	4.9		ug/kg	0.45	0.15	1
Toluene	29		ug/kg	0.90	0.49	1
Ethylbenzene	15		ug/kg	0.90	0.13	1
Chloromethane	ND		ug/kg	3.6	0.84	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.90	0.30	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.90	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

SAMPLE RESULTS

Lab ID: L2516110-01
Client ID: MW-2 NESTED (23)
Sample Location: YONKERS, NY

Date Collected: 03/19/25 11:00
Date Received: 03/19/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.45	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	12		ug/kg	1.8	0.50	1
o-Xylene	15		ug/kg	0.90	0.26	1
Xylenes, Total	27		ug/kg	0.90	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.90	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.90	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	2.0		ug/kg	0.90	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.0	0.82	1
Acetone	200		ug/kg	9.0	4.3	1
Carbon disulfide	ND		ug/kg	9.0	4.1	1
2-Butanone	130		ug/kg	9.0	2.0	1
Vinyl acetate	ND		ug/kg	9.0	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	9.0	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	37		ug/kg	9.0	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.90	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.45	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	8.9		ug/kg	0.90	0.15	1
sec-Butylbenzene	0.48	J	ug/kg	0.90	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.90	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	1.0		ug/kg	0.90	0.10	1
p-Isopropyltoluene	0.44	J	ug/kg	0.90	0.10	1
Naphthalene	14		ug/kg	3.6	0.58	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

SAMPLE RESULTS

Lab ID: L2516110-01
Client ID: MW-2 NESTED (23)
Sample Location: YONKERS, NY

Date Collected: 03/19/25 11:00
Date Received: 03/19/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	8.6		ug/kg	0.90	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	0.98	J	ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	7.2		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	72	32.	1
p-Diethylbenzene	0.61	J	ug/kg	1.8	0.16	1
p-Ethyltoluene	15		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	0.52	J	ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.5	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	94		70-130



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

SAMPLE RESULTS

Lab ID: L2516110-02
Client ID: MW-2 NESTED (59)
Sample Location: YONKERS, NY

Date Collected: 03/19/25 14:10
Date Received: 03/19/25
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/28/25 21:56
Analyst: JIC
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	5300	E	ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.98	0.14	1
Chloroform	0.15	J	ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.98	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.98	0.12	1
Dibromochloromethane	ND		ug/kg	0.98	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	0.26	1
Tetrachloroethene	4.1		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	3.0		ug/kg	0.49	0.16	1
Toluene	16		ug/kg	0.98	0.53	1
Ethylbenzene	0.52	J	ug/kg	0.98	0.14	1
Chloromethane	3.7	J	ug/kg	3.9	0.92	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.98	0.33	1
Chloroethane	0.72	J	ug/kg	2.0	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.13	1



Project Name: WARBURTON DRY CLEANERS SITE**Lab Number:** L2516110**Project Number:** 2221378**Report Date:** 04/01/25**SAMPLE RESULTS**

Lab ID: L2516110-02
 Client ID: MW-2 NESTED (59)
 Sample Location: YONKERS, NY

Date Collected: 03/19/25 14:10
 Date Received: 03/19/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	0.50	J	ug/kg	0.98	0.28	1
Xylenes, Total	0.50	J	ug/kg	0.98	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.98	0.13	1
Dibromomethane	ND		ug/kg	2.0	0.23	1
Styrene	0.42	J	ug/kg	0.98	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.90	1
Acetone	ND		ug/kg	9.8	4.7	1
Carbon disulfide	ND		ug/kg	9.8	4.5	1
2-Butanone	ND		ug/kg	9.8	2.2	1
Vinyl acetate	ND		ug/kg	9.8	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.12	1
2-Hexanone	ND		ug/kg	9.8	1.2	1
Bromochloromethane	2.6		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.98	0.27	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.98	0.16	1
sec-Butylbenzene	ND		ug/kg	0.98	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.17	1
Isopropylbenzene	ND		ug/kg	0.98	0.11	1
p-Isopropyltoluene	1.3		ug/kg	0.98	0.11	1
Naphthalene	ND		ug/kg	3.9	0.64	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

SAMPLE RESULTS

Lab ID: L2516110-02
Client ID: MW-2 NESTED (59)
Sample Location: YONKERS, NY

Date Collected: 03/19/25 14:10
Date Received: 03/19/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.98	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	78	34.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.17	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	91		70-130



Project Name: Warburton Dry Cleaners Site
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

SAMPLE RESULTS

Lab ID: L2516110-02
Client ID: MW-2 NESTED (59)
Sample Location: YONKERS, NY

Date Collected: 03/19/25 14:10
Date Received: 03/19/25
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/01/25 10:33
Analyst: AJK
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	14000		ug/kg	330	150	1
1,1-Dichloroethane	ND		ug/kg	66	9.6	1
Chloroform	ND		ug/kg	99	9.3	1
Carbon tetrachloride	ND		ug/kg	66	15.	1
1,2-Dichloropropane	ND		ug/kg	66	8.3	1
Dibromochloromethane	ND		ug/kg	66	9.3	1
1,1,2-Trichloroethane	ND		ug/kg	66	18.	1
Tetrachloroethene	48		ug/kg	33	13.	1
Chlorobenzene	ND		ug/kg	33	8.4	1
Trichlorofluoromethane	ND		ug/kg	260	46.	1
1,2-Dichloroethane	ND		ug/kg	66	17.	1
1,1,1-Trichloroethane	ND		ug/kg	33	11.	1
Bromodichloromethane	ND		ug/kg	33	7.2	1
trans-1,3-Dichloropropene	ND		ug/kg	66	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	33	10.	1
1,3-Dichloropropene, Total	ND		ug/kg	33	10.	1
1,1-Dichloropropene	ND		ug/kg	33	10.	1
Bromoform	ND		ug/kg	260	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	33	11.	1
Benzene	ND		ug/kg	33	11.	1
Toluene	ND		ug/kg	66	36.	1
Ethylbenzene	ND		ug/kg	66	9.4	1
Chloromethane	ND		ug/kg	260	62.	1
Bromomethane	ND		ug/kg	130	38.	1
Vinyl chloride	ND		ug/kg	66	22.	1
Chloroethane	ND		ug/kg	130	30.	1
1,1-Dichloroethene	ND		ug/kg	66	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	99	9.1	1



Project Name: WARBURTON DRY CLEANERS SITE**Lab Number:** L2516110**Project Number:** 2221378**Report Date:** 04/01/25**SAMPLE RESULTS**

Lab ID: L2516110-02
 Client ID: MW-2 NESTED (59)
 Sample Location: YONKERS, NY

Date Collected: 03/19/25 14:10
 Date Received: 03/19/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	33	9.1	1
1,2-Dichlorobenzene	ND		ug/kg	130	9.5	1
1,3-Dichlorobenzene	ND		ug/kg	130	9.8	1
1,4-Dichlorobenzene	ND		ug/kg	130	11.	1
Methyl tert butyl ether	ND		ug/kg	130	13.	1
p/m-Xylene	ND		ug/kg	130	37.	1
o-Xylene	ND		ug/kg	66	19.	1
Xylenes, Total	ND		ug/kg	66	19.	1
cis-1,2-Dichloroethene	ND		ug/kg	66	12.	1
1,2-Dichloroethene, Total	ND		ug/kg	66	9.1	1
Dibromomethane	ND		ug/kg	130	16.	1
Styrene	ND		ug/kg	66	13.	1
Dichlorodifluoromethane	ND		ug/kg	660	61.	1
Acetone	740		ug/kg	660	320	1
Carbon disulfide	ND		ug/kg	660	300	1
2-Butanone	ND		ug/kg	660	150	1
Vinyl acetate	ND		ug/kg	660	140	1
4-Methyl-2-pentanone	ND		ug/kg	660	85.	1
1,2,3-Trichloropropane	ND		ug/kg	130	8.4	1
2-Hexanone	ND		ug/kg	660	78.	1
Bromochloromethane	ND		ug/kg	130	14.	1
2,2-Dichloropropane	ND		ug/kg	130	13.	1
1,2-Dibromoethane	ND		ug/kg	66	18.	1
1,3-Dichloropropane	ND		ug/kg	130	11.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	33	8.8	1
Bromobenzene	ND		ug/kg	130	9.6	1
n-Butylbenzene	ND		ug/kg	66	11.	1
sec-Butylbenzene	ND		ug/kg	66	9.7	1
tert-Butylbenzene	ND		ug/kg	130	7.8	1
o-Chlorotoluene	ND		ug/kg	130	13.	1
p-Chlorotoluene	ND		ug/kg	130	7.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	66.	1
Hexachlorobutadiene	ND		ug/kg	260	11.	1
Isopropylbenzene	ND		ug/kg	66	7.2	1
p-Isopropyltoluene	ND		ug/kg	66	7.2	1
Naphthalene	ND		ug/kg	260	43.	1
Acrylonitrile	ND		ug/kg	260	76.	1



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

SAMPLE RESULTS

Lab ID: L2516110-02
Client ID: MW-2 NESTED (59)
Sample Location: YONKERS, NY

Date Collected: 03/19/25 14:10
Date Received: 03/19/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	66	11.	1
1,2,3-Trichlorobenzene	ND		ug/kg	130	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	18.	1
1,3,5-Trimethylbenzene	ND		ug/kg	130	13.	1
1,2,4-Trimethylbenzene	ND		ug/kg	130	22.	1
1,4-Dioxane	ND		ug/kg	5300	2300	1
p-Diethylbenzene	ND		ug/kg	130	12.	1
p-Ethyltoluene	ND		ug/kg	130	25.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	130	13.	1
Ethyl ether	ND		ug/kg	130	23.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	330	94.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	91		70-130

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/28/25 12:33
 Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG2047265-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/28/25 12:33
 Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG2047265-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/28/25 12:33
 Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG2047265-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	89		70-130



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/30/25 12:40
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG2047532-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/30/25 12:40
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG2047532-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/30/25 12:40
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG2047532-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	96		70-130

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 04/01/25 09:37
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG2048117-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 04/01/25 09:37
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG2048117-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 04/01/25 09:37
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG2048117-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2516110

Project Number: 2221378

Report Date: 04/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG2047265-3 WG2047265-4								
Methylene chloride	88		83		70-130	6		30
1,1-Dichloroethane	108		103		70-130	5		30
Chloroform	92		87		70-130	6		30
Carbon tetrachloride	96		91		70-130	5		30
1,2-Dichloropropane	103		102		70-130	1		30
Dibromochloromethane	87		87		70-130	0		30
1,1,2-Trichloroethane	86		87		70-130	1		30
Tetrachloroethene	103		99		70-130	4		30
Chlorobenzene	94		93		70-130	1		30
Trichlorofluoromethane	96		89		70-139	8		30
1,2-Dichloroethane	103		100		70-130	3		30
1,1,1-Trichloroethane	92		88		70-130	4		30
Bromodichloromethane	84		83		70-130	1		30
trans-1,3-Dichloropropene	89		89		70-130	0		30
cis-1,3-Dichloropropene	94		93		70-130	1		30
1,1-Dichloropropene	94		91		70-130	3		30
Bromoform	86		87		70-130	1		30
1,1,2,2-Tetrachloroethane	85		86		70-130	1		30
Benzene	91		89		70-130	2		30
Toluene	89		87		70-130	2		30
Ethylbenzene	93		90		70-130	3		30
Chloromethane	142	Q	130		52-130	9		30
Bromomethane	101		92		57-147	9		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2516110

Project Number: 2221378

Report Date: 04/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG2047265-3 WG2047265-4								
Vinyl chloride	112		104		67-130	7		30
Chloroethane	97		88		50-151	10		30
1,1-Dichloroethene	95		90		65-135	5		30
trans-1,2-Dichloroethene	97		92		70-130	5		30
Trichloroethene	99		98		70-130	1		30
1,2-Dichlorobenzene	100		99		70-130	1		30
1,3-Dichlorobenzene	104		101		70-130	3		30
1,4-Dichlorobenzene	102		97		70-130	5		30
Methyl tert butyl ether	96		95		66-130	1		30
p/m-Xylene	96		93		70-130	3		30
o-Xylene	94		93		70-130	1		30
cis-1,2-Dichloroethene	90		86		70-130	5		30
Dibromomethane	84		84		70-130	0		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	99		90		30-146	10		30
Acetone	119		120		54-140	1		30
Carbon disulfide	99		93		59-130	6		30
2-Butanone	140	Q	143	Q	70-130	2		30
Vinyl acetate	135	Q	124		70-130	8		30
4-Methyl-2-pentanone	110		117		70-130	6		30
1,2,3-Trichloropropane	88		90		68-130	2		30
2-Hexanone	119		127		70-130	7		30
Bromochloromethane	98		94		70-130	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2516110

Project Number: 2221378

Report Date: 04/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG2047265-3 WG2047265-4								
2,2-Dichloropropane	89		83		70-130	7		30
1,2-Dibromoethane	93		95		70-130	2		30
1,3-Dichloropropane	90		92		69-130	2		30
1,1,1,2-Tetrachloroethane	93		92		70-130	1		30
Bromobenzene	100		97		70-130	3		30
n-Butylbenzene	103		100		70-130	3		30
sec-Butylbenzene	95		92		70-130	3		30
tert-Butylbenzene	98		96		70-130	2		30
o-Chlorotoluene	100		97		70-130	3		30
p-Chlorotoluene	98		95		70-130	3		30
1,2-Dibromo-3-chloropropane	93		96		68-130	3		30
Hexachlorobutadiene	98		96		67-130	2		30
Isopropylbenzene	97		93		70-130	4		30
p-Isopropyltoluene	102		100		70-130	2		30
Naphthalene	116		118		70-130	2		30
Acrylonitrile	129		130		70-130	1		30
n-Propylbenzene	96		93		70-130	3		30
1,2,3-Trichlorobenzene	106		105		70-130	1		30
1,2,4-Trichlorobenzene	109		106		70-130	3		30
1,3,5-Trimethylbenzene	94		91		70-130	3		30
1,2,4-Trimethylbenzene	95		92		70-130	3		30
1,4-Dioxane	113		116		65-136	3		30
p-Diethylbenzene	107		102		70-130	5		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2516110

Project Number: 2221378

Report Date: 04/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG2047265-3 WG2047265-4								
p-Ethyltoluene	101		98		70-130	3		30
1,2,4,5-Tetramethylbenzene	119		114		70-130	4		30
Ethyl ether	99		96		67-130	3		30
trans-1,4-Dichloro-2-butene	104		109		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		94		70-130
Toluene-d8	88		89		70-130
4-Bromofluorobenzene	91		90		70-130
Dibromofluoromethane	90		92		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2516110

Project Number: 2221378

Report Date: 04/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG2047532-3 WG2047532-4								
Methylene chloride	88		85		70-130	3		30
1,1-Dichloroethane	102		100		70-130	2		30
Chloroform	99		97		70-130	2		30
Carbon tetrachloride	101		95		70-130	6		30
1,2-Dichloropropane	99		102		70-130	3		30
Dibromochloromethane	103		99		70-130	4		30
1,1,2-Trichloroethane	102		101		70-130	1		30
Tetrachloroethene	123		114		70-130	8		30
Chlorobenzene	104		100		70-130	4		30
Trichlorofluoromethane	100		93		70-139	7		30
1,2-Dichloroethane	99		100		70-130	1		30
1,1,1-Trichloroethane	100		96		70-130	4		30
Bromodichloromethane	95		96		70-130	1		30
trans-1,3-Dichloropropene	105		101		70-130	4		30
cis-1,3-Dichloropropene	106		107		70-130	1		30
1,1-Dichloropropene	104		99		70-130	5		30
Bromoform	101		99		70-130	2		30
1,1,2,2-Tetrachloroethane	98		94		70-130	4		30
Benzene	100		99		70-130	1		30
Toluene	100		94		70-130	6		30
Ethylbenzene	99		94		70-130	5		30
Chloromethane	109		104		52-130	5		30
Bromomethane	126		120		57-147	5		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2516110

Project Number: 2221378

Report Date: 04/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG2047532-3 WG2047532-4								
Vinyl chloride	104		96		67-130	8		30
Chloroethane	94		88		50-151	7		30
1,1-Dichloroethene	96		91		65-135	5		30
trans-1,2-Dichloroethene	97		92		70-130	5		30
Trichloroethene	107		102		70-130	5		30
1,2-Dichlorobenzene	107		107		70-130	0		30
1,3-Dichlorobenzene	108		106		70-130	2		30
1,4-Dichlorobenzene	108		106		70-130	2		30
Methyl tert butyl ether	102		98		66-130	4		30
p/m-Xylene	105		100		70-130	5		30
o-Xylene	102		100		70-130	2		30
cis-1,2-Dichloroethene	102		100		70-130	2		30
Dibromomethane	104		105		70-130	1		30
Styrene	103		101		70-130	2		30
Dichlorodifluoromethane	104		95		30-146	9		30
Acetone	107		107		54-140	0		30
Carbon disulfide	91		84		59-130	8		30
2-Butanone	133	Q	126		70-130	5		30
Vinyl acetate	117		117		70-130	0		30
4-Methyl-2-pentanone	104		94		70-130	10		30
1,2,3-Trichloropropane	99		95		68-130	4		30
2-Hexanone	103		95		70-130	8		30
Bromochloromethane	104		104		70-130	0		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2516110

Project Number: 2221378

Report Date: 04/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG2047532-3 WG2047532-4								
2,2-Dichloropropane	98		94		70-130	4		30
1,2-Dibromoethane	112		108		70-130	4		30
1,3-Dichloropropane	103		101		69-130	2		30
1,1,1,2-Tetrachloroethane	106		102		70-130	4		30
Bromobenzene	109		105		70-130	4		30
n-Butylbenzene	103		99		70-130	4		30
sec-Butylbenzene	102		98		70-130	4		30
tert-Butylbenzene	98		94		70-130	4		30
o-Chlorotoluene	93		92		70-130	1		30
p-Chlorotoluene	95		92		70-130	3		30
1,2-Dibromo-3-chloropropane	105		97		68-130	8		30
Hexachlorobutadiene	118		115		67-130	3		30
Isopropylbenzene	96		94		70-130	2		30
p-Isopropyltoluene	101		97		70-130	4		30
Naphthalene	102		100		70-130	2		30
Acrylonitrile	114		109		70-130	4		30
n-Propylbenzene	99		93		70-130	6		30
1,2,3-Trichlorobenzene	114		114		70-130	0		30
1,2,4-Trichlorobenzene	121		117		70-130	3		30
1,3,5-Trimethylbenzene	98		94		70-130	4		30
1,2,4-Trimethylbenzene	98		96		70-130	2		30
1,4-Dioxane	110		113		65-136	3		30
p-Diethylbenzene	102		98		70-130	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2516110

Project Number: 2221378

Report Date: 04/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG2047532-3 WG2047532-4								
p-Ethyltoluene	101		96		70-130	5		30
1,2,4,5-Tetramethylbenzene	100		96		70-130	4		30
Ethyl ether	94		94		67-130	0		30
trans-1,4-Dichloro-2-butene	98		92		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		94		70-130
Toluene-d8	97		95		70-130
4-Bromofluorobenzene	90		87		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2516110

Project Number: 2221378

Report Date: 04/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG2048117-3 WG2048117-4								
Methylene chloride	83		84		70-130	1		30
1,1-Dichloroethane	88		90		70-130	2		30
Chloroform	84		86		70-130	2		30
Carbon tetrachloride	80		83		70-130	4		30
1,2-Dichloropropane	88		91		70-130	3		30
Dibromochloromethane	89		90		70-130	1		30
1,1,2-Trichloroethane	90		91		70-130	1		30
Tetrachloroethene	86		89		70-130	3		30
Chlorobenzene	86		89		70-130	3		30
Trichlorofluoromethane	72		74		70-139	3		30
1,2-Dichloroethane	87		89		70-130	2		30
1,1,1-Trichloroethane	86		89		70-130	3		30
Bromodichloromethane	87		90		70-130	3		30
trans-1,3-Dichloropropene	95		96		70-130	1		30
cis-1,3-Dichloropropene	90		94		70-130	4		30
1,1-Dichloropropene	82		86		70-130	5		30
Bromoform	83		86		70-130	4		30
1,1,2,2-Tetrachloroethane	91		92		70-130	1		30
Benzene	86		89		70-130	3		30
Toluene	85		88		70-130	3		30
Ethylbenzene	86		89		70-130	3		30
Chloromethane	90		90		52-130	0		30
Bromomethane	63		64		57-147	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE

Lab Number: L2516110

Project Number: 2221378

Report Date: 04/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG2048117-3 WG2048117-4								
Vinyl chloride	76		79		67-130	4		30
Chloroethane	70		72		50-151	3		30
1,1-Dichloroethene	81		83		65-135	2		30
trans-1,2-Dichloroethene	83		85		70-130	2		30
Trichloroethene	85		88		70-130	3		30
1,2-Dichlorobenzene	87		92		70-130	6		30
1,3-Dichlorobenzene	88		92		70-130	4		30
1,4-Dichlorobenzene	88		92		70-130	4		30
Methyl tert butyl ether	87		87		66-130	0		30
p/m-Xylene	90		94		70-130	4		30
o-Xylene	88		92		70-130	4		30
cis-1,2-Dichloroethene	81		84		70-130	4		30
Dibromomethane	82		84		70-130	2		30
Styrene	88		91		70-130	3		30
Dichlorodifluoromethane	71		73		30-146	3		30
Acetone	104		98		54-140	6		30
Carbon disulfide	80		82		59-130	2		30
2-Butanone	83		80		70-130	4		30
Vinyl acetate	99		98		70-130	1		30
4-Methyl-2-pentanone	91		89		70-130	2		30
1,2,3-Trichloropropane	90		90		68-130	0		30
2-Hexanone	94		92		70-130	2		30
Bromochloromethane	82		84		70-130	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG2048117-3 WG2048117-4								
2,2-Dichloropropane	87		89		70-130	2		30
1,2-Dibromoethane	91		92		70-130	1		30
1,3-Dichloropropane	92		93		69-130	1		30
1,1,1,2-Tetrachloroethane	87		91		70-130	4		30
Bromobenzene	83		88		70-130	6		30
n-Butylbenzene	93		98		70-130	5		30
sec-Butylbenzene	90		96		70-130	6		30
tert-Butylbenzene	89		94		70-130	5		30
o-Chlorotoluene	90		96		70-130	6		30
p-Chlorotoluene	92		97		70-130	5		30
1,2-Dibromo-3-chloropropane	84		87		68-130	4		30
Hexachlorobutadiene	81		88		67-130	8		30
Isopropylbenzene	90		96		70-130	6		30
p-Isopropyltoluene	90		97		70-130	7		30
Naphthalene	86		89		70-130	3		30
Acrylonitrile	95		96		70-130	1		30
n-Propylbenzene	94		99		70-130	5		30
1,2,3-Trichlorobenzene	86		91		70-130	6		30
1,2,4-Trichlorobenzene	91		95		70-130	4		30
1,3,5-Trimethylbenzene	91		97		70-130	6		30
1,2,4-Trimethylbenzene	92		97		70-130	5		30
1,4-Dioxane	78		79		65-136	1		30
p-Diethylbenzene	92		98		70-130	6		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG2048117-3 WG2048117-4								
p-Ethyltoluene	92		98		70-130	6		30
1,2,4,5-Tetramethylbenzene	94		99		70-130	5		30
Ethyl ether	87		88		67-130	1		30
trans-1,4-Dichloro-2-butene	97		101		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	102		104		70-130
Dibromofluoromethane	94		93		70-130

INORGANICS & MISCELLANEOUS

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

SAMPLE RESULTS

Lab ID: L2516110-01
Client ID: MW-2 NESTED (23)
Sample Location: YONKERS, NY

Date Collected: 03/19/25 11:00
Date Received: 03/19/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.4		%	0.100	NA	1	-	03/21/25 14:22	121,2540G	SJB



Lab Duplicate Analysis*Batch Quality Control***Project Name:** WARBURTON DRY CLEANERS SITE**Project Number:** 2221378**Lab Number:** L2516110**Report Date:** 04/01/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2043568-1 QC Sample: L2516011-04 Client ID: DUP Sample						
Solids, Total	31.4	34.8	%	10		20

Project Name: WARBURTON DRY CLEANERS SITE**Lab Number:** L2516110**Project Number:** 2221378**Report Date:** 04/01/25**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2516110-01A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2516110-01B	Vial water preserved	A	NA		2.8	Y	Absent	20-MAR-25 11:08	NYTCL-8260HLW(14)
L2516110-01C	Vial water preserved	A	NA		2.8	Y	Absent	20-MAR-25 11:08	NYTCL-8260HLW(14)
L2516110-01D	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)
L2516110-02A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2516110-02B	Vial water preserved	A	NA		2.8	Y	Absent	20-MAR-25 11:08	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2516110-02C	Vial water preserved	A	NA		2.8	Y	Absent	20-MAR-25 11:08	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2516110-02D	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		ARCHIVE()

Container Comments

L2516110-02D Container Received Empty.

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: WARBURTON DRY CLEANERS SITE
Project Number: 2221378

Lab Number: L2516110
Report Date: 04/01/25

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 27

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Certification Information**The following analytes are not included in our Primary NELAP Scope of Accreditation:****Westborough Facility – 8 Walkup Dr. Westborough, MA 01581****EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

MADEP-APH.**Nonpotable Water:** EPA RSK-175 Dissolved Gases**Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases**The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:****Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)****The following analytes are included in our Massachusetts DEP Scope of Accreditation****Westborough Facility – 8 Walkup Dr. Westborough, MA 01581****Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg. EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

Pace Analytical Services LLCID No.:**17873**Facility: **Northeast**

Revision 27

Department: **Quality Assurance**

Published Date: 01/24/2025

Title: **Certificate/Approval Program Summary**

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Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.



APPENDIX F

Data Usability Summary Reports



ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

To: Wilson Corella
Labella Associates DPC
45 Main Street, Suite 1018
Brooklyn, NY 11201

Date: 05/16/2025

Subject: Warburton Dry Cleaners, Yonker, NY - Data Usability Summary Report

The Following Items Transmitted:
Data Package:

Originals	Description of Materials	Electronic/ Hard Copy
1	L2515411_NYSDEC_CatB_Package_Mini_Final Report.pdf	Electronic
1	L2515411_EquNysdec.xls	Electronic

Signature:

Tracey Evans
Chemist
evans@enviro-asmnt.com
Environmental Assessment & Remediations
225 Atlantic Avenue
Patchogue, New York 11772
631-447-6400 ext.124



Warburton Dry Cleaners, Yonker, NY, Data Usability Summary Report for March 17, 2025, Soil Sample

Client: Labella Associates DPC

Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)

Location: Warburton Dry Cleaners, Yonker, NY

Project Number: 2221378

Lab Job ID: L2515411				
			Method Evaluated	
Lab ID	Field ID	Collection Date	Matrix	8260D
L2515411-01	MW-6 NESTED (50)	3/17/2025	soil	x

Laboratory report reviewed under:

- USEPA Contract Laboratory Program National Functional Guidance for Super Organic Methods Data Review, EPA 540-R-20-005 (January 2020).
- VOA Standard Operation for the Validation of Volatile Data, QA-HWSS-A-004 (March 2022).
- Professional judgment.

Criteria for Data Usability Summary Report

Completeness:

A complete data package is one that has all relevant and related material packaged for distribution to its client in accordance with the Analytical Service Protocol (ASP) Category B Deliverables guidelines.

Compliant:

A compliant data package is one that is determined to have all work that pertains to the production of the laboratory data in a manner that is consistent with the Quality Assurance Program Plan.

Overall Usability Issues

Data validation completed in accordance with the New York State Department of Environmental Conservation Analytical Service Protocol (NYSDEC ASP) Category B Data Deliverable requirements and reviewer's professional judgment.

This analytical report complies with the following points:

1. Holding Time and Analysis Time
2. Sample Analysis and Quality Control.



In conclusion, the data reviewed in this report is usable and passes all stated criteria for compliance of method 8260D. Percent solid was examined under metho SM 2540G which was also reviewed and found also usable and passes all stated criteria for compliance.

Data Completeness

- A complete Category B data package under the NYSDEC ASP has been reported.



Data Validation Acronyms

AA	Atomic Absorption, Flame Technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene (Tune check analyte)
CCC	Continuing Calibration Check
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
CVAA	Atomic Absorption, Cold Vapor
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine (Tune check analyte)
DL	Detection Limit
ECD	Electron Capture Detector
FAA	Atomic Absorption, Furnace Technique
FID	Flame Ionization Detector
FNP	1-Fluoronaphthalene
GC	Gas Chromatography
GC/MS	Gas Chromatography/ Mass Spectrometry
GPC	Gel Permeation Chromatography
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma – Atomic Emission Spectrometer
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ICAL	Initial Calibration Curve
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LCS/LCSD	Laboratory Control Sample/ Laboratory Control Sample Duplicate
MB	Method Blank
MS	Matrix Spike
BNAMS11	Method of Standard Additions
MSD	Matrix Spike Duplicate
MS/MSD	Matrix Spike/ Matrix Spike Duplicate
ND	Non-detected or Not Detected
PID	Photo Ionization Detector



Data Validation Acronyms

PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
PQL	Practical Quantitation Limit
QA	Quality Assurance
QA/QC	Quality Assurance/ Quality Control
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RL	Reporting Limit
RRF	Relative Response Factor
RT	Retention Time
RRT	Relative Retention Time
SDG	Sample Delivery Group
SMC	System Monitoring Compounds/ Surrogates
SPCC	Sample Performance Check Compound
TCX	Tetrachloro-m-xylene
%D	Percent Drift
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation



Data Validation Qualifiers

U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may bias high.
J-	The result is an estimated quantity, but the result may bias low.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data is unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

Note:

1. These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.
2. The EDDs are assigned these data validation qualifiers and refer to the valid value list supplied by the specific agency or informational data system.

Client: Labella Associates DPC
Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)
Location: Warburton Dry Cleaners, Yonker , NY
Project Number: 2221378



Method Review: 8260D

Lab Job ID: L2515411

Lab ID	Field ID	Collection Date	Matrix
L2515411-01	MW-6 NESTED (50)	3/17/2025	soil

Reviewer Summary:

Samples were handled and analyzed properly under USEPA Contract Laboratory Program National Functional Guidance for Super Organic Methods Data and QA-HWSS-A-004 VOA Standard Operation for the Validation of Volatile Data.

- Within continuous calibration (file V23250324A01) several compounds were outside of %D criteria leading to qualification of compounds as estimate or non-detect estimate "J/UJ" values within sample. Data was qualified within category B criterion and is usable.

Client: Labella Associates DPC
Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)
Location: Warburton Dry Cleaners, Yonker, NY
Project Number: 2221378
Job ID: L2515411



Method 8260D

Criteria	Y	N	NA	Comment
A. Sample Receipt				
Technical Hold Time of 7 days not preserved or 14 days preserved (pH<2)?	x			
Cooling Temp = 4°C ± 2°C	x			
B. GC/MS Instrument Performance Check				
Were BFB performance results within criteria?	x			
Were all samples analyzed within the 12 hour time period?	x			
C. Initial Calibration				
Was a 5 point calibration run?	x			
Was RSD% with in criteria for each target analyte? Was RRF within criteria?	x			
Was curve fit used for evaluation? If yes did the I.C. meet the curve fit acceptability of ≥ 0.990 ?	x			
Was the Initial Calibration Verification (ICV) done after the I.C., were compound recovery within criteria?	x			
D. Continuing Calibration				
Was it done every 12 hours after I.C. to verify it?	x			Several compounds were outside of %D criteria leading to qualification of compounds as estimate or non-detect estimate "J/UJ" values within sample. See attachment.
Were (%D) $\leq$ limit and relative respond factors (RRF) within criteria?		x		

Criteria	Y	N	NA	Comment
E. Laboratory Blanks				
Was a lab blank associated with each sample of SDG?	x			
Was blank analyzed every 12 hours?	x			
Were contamination found, if so qualification may be necessary?		x		
subsection : Field Blanks				
Was a field blank associated with each sample of SDG?		x		
Were target compounds detected in it?			x	
F. Surrogate Spikes				
Were surrogate percent recovery (%R) within QC limits?	x			
If the (R%) for one or more surrogates were out of QC, was reanalysis performed to confirm %R?			x	
G. Matrix Spike/Matrix Duplicate				
Were MS and MSD analyzed for SDG?		x		
Was MS/MSD done every 20 samples?			x	
Were MS/MSD (%R) and RPD within QC?			x	
H. Field Duplicate				
Were field duplicates identified in this SDG?		x		
Were target compounds detected in it? Were RSPs less than 50%?			x	

Criteria	Y	N	NA	Comment
subsection: Internal Compounds				
Were counts within 50% to 200% of associated calibration standard?	x			
Were retention times within ± 10 sec of cal. standard?	x			
I. Target Analyte Identification				
Mass spectral ion abundance criteria specified for target analyte?	x			
Target analyte RRT outside specified RRT window	x			
If sample is considered "Solid", is it greater than 30%?	x			
Did the spectrum meet EPA "Functional Guidelines"?	x			
J. Tentative Analyte Identification				
Were analyte results greater than 85% library match?			x	
Were National Functional Guidelines followed for TIC processing?			x	
K. Regional EPA QA/QC				
Were regional protocol of QA/AC protocols used in evaluation data?	x			
L. Overall Assessment of Data				
Was overall assessment of data found to be acceptable?	x			

Comments: Qualification occurred in sample due to continuous calibration failures in laboratory criteria. All data is usable.

Calculation Spot Check

Instrument: VOA123

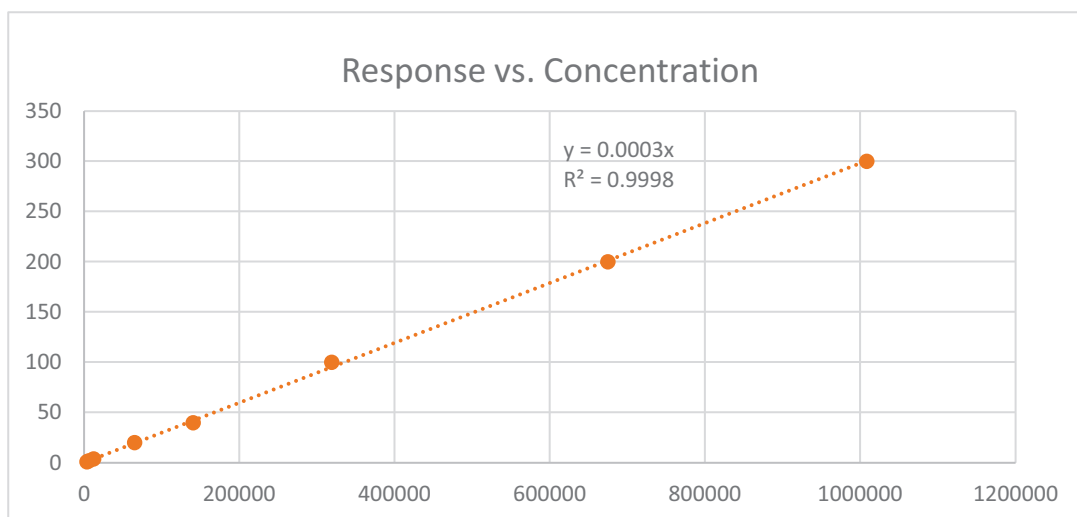
ICV Date and Time: 10/14/2024 20:20

Compound: Chloromethane



Curve Evaluation

	RRF	Response	Concentration
L1	0.299	3455	1
L2	0.267	5752	2
L3	0.295	11783	4
L4	0.285	64808	20
L5	0.287	140352	40
L6	0.294	318748	100
L7	0.285	674379	200
L1.5	0.262	1008198	300
average	0.284		
RSD	4.66		



Client: Labella Associates DPC
Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)
Location: Warburton Dry Cleaners, Yonker , NY
Project Number: 2221378



Method Review: SM 2540G

Lab Job ID: L2515411

Lab ID	Field ID	Collection Date	Matrix
L2515411-01	MW-6 NESTED (50)	3/17/2025	soil

Reviewer Summary:

Samples were handled and analyzed properly under National Functional Guideline for Organic Superfund Method Data Review.

- Duplicates of samples were run under MW-6 NESTED (50) and MW-6 NESTED (50)DUP, result is within acceptable quantities for SM 2540G results.

Data is within category B criterion and is usable.

	Original Sample MW-6 NESTED (50)	Duplicate MW-6 NESTED (50)DUP	Relative Percent Difference
Solids, Percent	96.4	96.1	0.31

Client: Labella Associates DPC
Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)
Location: Warburton Dry Cleaners, Yonker, NY
Project Number: 2221378
Job ID: L2515411



Method SM 2540G

Criteria	Y	N	NA	Comment
A. Sample Receipt				
Was sample run during technical hold time of aqueous/TCLP/SPLP samples?	x			
Was sample run during technical hold time soil/sediment/wipe samples?	x			
B. Precision test run				
Was balance checked with duplicate weights for accuracy or some other test run before sample processing.	x			
C. Duplicate Samples				
Was at least one duplicate sample is run per matrix or SDE?	x			Duplicates of samples were run under MW-6 NESTED and MW-6 NESTED (50)DUP result is within acceptable quantities for SM 2540G results.
Were control limit of 20% Relative Percent Difference between 'original' and duplicate?	x			
Were control limit CRQL of <5X found?	x			
E. Regional EPA QA/QC				
Were regional protocol of QA/QC protocols used in evaluating data?	x			
Did RPD fall within specific limits in EPA region's SOP or project QAPP?	x			
F Overall assessment of data				
Was Overall assessment of data found to be acceptable?	x			

Comments: All results are within Cat. B criterion and usable.

Attachments for Method Review

Reviewer Comment: Qualification of several analytes as estimate or non-detect estimate "J/UJ" values within associated sample MW-6 NESTED (50).

Calibration Verification Summary Form 7 Volatiles

Client : LaBella Associates
Project Name : Warburton Dry Cleaners
Instrument ID : VOA123
Lab File ID : V23250324A01
Sample No : WG2044868-2
Channel :

Lab Number : L2515411
Project Number : 2221378
Calibration Date : 03/24/25 09:08
Init. Calib. Date(s) : 10/14/24 10/15/24
Init. Calib. Times : 20:20 00:40

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	145	0
Dichlorodifluoromethane	0.249	0.289	-	-16.1	20	154	0
Chloromethane	0.284	0.415	-	-46.1*	20	211	.01
Vinyl chloride	0.289	0.33	-	-14.2	20	157	0
Bromomethane	0.139	0.18	-	-29.5*	20	178	0
Chloroethane	0.158	0.181	-	-14.6	20	142	0
Trichlorofluoromethane	0.387	0.361	-	6.7	20	125	0
Ethyl ether	0.121	0.142	-	-17.4	20	164	0
1,1-Dichloroethene	0.225	0.232	-	-3.1	20	144	0
Carbon disulfide	0.822	0.879	-	-6.9	20	151	0
Methylene chloride	0.312	0.289	-	7.4	20	142	0
Acetone	0.06	0.072	-	-20	20	185	0
trans-1,2-Dichloroethene	0.266	0.266	-	0	20	140	0
Methyl tert-butyl ether	0.669	0.754	-	-12.7	20	160	0
1,1-Dichloroethane	0.52	0.565	-	-8.7	20	150	0
Acrylonitrile	0.058	0.08	-	-37.9*	20	193	0
Vinyl acetate	0.593	0.674	-	-13.7	20	159	0
cis-1,2-Dichloroethene	0.296	0.296	-	0	20	138	0
2,2-Dichloropropane	0.427	0.413	-	3.3	20	136	0
Bromochloromethane	0.13	0.129	-	0.8	20	137	0
Chloroform	0.529	0.488	-	7.8	20	129	0
Carbon tetrachloride	0.394	0.339	-	14	20	118	0
Dibromofluoromethane	0.262	0.239	-	8.8	20	131	0
1,1,1-Trichloroethane	0.449	0.397	-	11.6	20	123	0
2-Butanone	0.091	0.111	-	-22*	20	182	0
1,1-Dichloropropene	0.361	0.35	-	3	20	133	0
Benzene	1.088	1.084	-	0.4	20	140	0
1,2-Dichloroethane-d4	0.285	0.252	-	11.6	20	130	0
1,2-Dichloroethane	0.394	0.369	-	6.3	20	132	0
Trichloroethene	0.287	0.28	-	2.4	20	135	0
Dibromomethane	0.166	0.151	-	9	20	126	0
1,2-Dichloropropane	0.286	0.326	-	-14	20	161	0
Bromodichloromethane	0.411	0.375	-	8.8	20	125	0
1,4-Dioxane	2000	1982.883	-	0.9	20	150	0
cis-1,3-Dichloropropene	0.431	0.463	-	-7.4	20	142	0
Chlorobenzene-d5	1	1	-	0	20	141	0
Toluene-d8	1.376	1.41	-	-2.5	20	146	-.01
Toluene	0.95	0.946	-	0.4	20	136	0
4-Methyl-2-pentanone	0.105	0.128	-	-21.9*	20	175	-.01
Tetrachloroethene	0.425	0.373	-	12.2	20	115	0
trans-1,3-Dichloropropene	0.538	0.558	-	-3.7	20	134	0
Ethyl methacrylate	0.37	0.395	-	-6.8	20	143	0
1,1,2-Trichloroethane	0.262	0.268	-	-2.3	20	140	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners
 Instrument ID : VOA123
 Lab File ID : V23250324A01
 Sample No : WG2044868-2
 Channel :

Lab Number : L2515411
 Project Number : 2221378
 Calibration Date : 03/24/25 09:08
 Init. Calib. Date(s) : 10/14/24 10/15/24
 Init. Calib. Times : 20:20 00:40

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Chlorodibromomethane	0.386	0.364	-	5.7	20	123	0
1,3-Dichloropropane	0.536	0.555	-	-3.5	20	142	0
1,2-Dibromoethane	0.289	0.292	-	-1	20	131	0
2-Hexanone	0.193	0.222	-	-15	20	170	0
Chlorobenzene	1.04	1.03	-	1	20	135	0
Ethylbenzene	1.852	1.808	-	2.4	20	134	0
1,1,1,2-Tetrachloroethane	0.387	0.366	-	5.4	20	125	0
p/m Xylene	0.676	0.676	-	0	20	133	0
o Xylene	0.67	0.668	-	0.3	20	134	-.01
Styrene	1.095	1.109	-	-1.3	20	132	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	124	0
Bromoform	0.462	0.408	-	11.7	20	102	0
Isopropylbenzene	3.095	3.401	-	-9.9	20	130	-.01
4-Bromofluorobenzene	0.899	1.016	-	-13	20	141	0
Bromobenzene	0.858	0.833	-	2.9	20	117	0
n-Propylbenzene	3.704	4.178	-	-12.8	20	133	-.01
1,4-Dichlorobutane	0.893	1.22	-	-36.6*	20	167	0
1,1,2,2-Tetrachloroethane	0.675	0.748	-	-10.8	20	134	0
4-Ethyltoluene	3.016	3.466	-	-14.9	20	136	0
2-Chlorotoluene	2.284	2.511	-	-9.9	20	130	0
1,3,5-Trimethylbenzene	2.702	2.911	-	-7.7	20	126	0
1,2,3-Trichloropropane	0.535	0.59	-	-10.3	20	135	0
trans-1,4-Dichloro-2-buten	0.195	0.241	-	-23.6*	20	147	0
4-Chlorotoluene	2.329	2.612	-	-12.2	20	134	0
tert-Butylbenzene	2.242	2.45	-	-9.3	20	129	0
1,2,4-Trimethylbenzene	2.663	2.941	-	-10.4	20	130	0
sec-Butylbenzene	3.355	3.741	-	-11.5	20	131	0
p-Isopropyltoluene	2.815	3.207	-	-13.9	20	131	0
1,3-Dichlorobenzene	1.537	1.618	-	-5.3	20	125	0
1,4-Dichlorobenzene	1.571	1.632	-	-3.9	20	126	0
p-Diethylbenzene	1.639	2.01	-	-22.6*	20	139	0
n-Butylbenzene	2.535	2.977	-	-17.4	20	132	0
1,2-Dichlorobenzene	1.445	1.495	-	-3.5	20	123	0
1,2,4,5-Tetramethylbenzene	2.676	3.128	-	-16.9	20	133	0
1,2-Dibromo-3-chloropropan	0.113	0.097	-	14.2	20	108	0
Hexachlorobutadiene	0.703	0.535	-	23.9*	20	86	0
1,2,4-Trichlorobenzene	1.088	1.045	-	4	20	111	0
Naphthalene	1.921	2.123	-	-10.5	20	131	0
1,2,3-Trichlorobenzene	0.942	0.877	-	6.9	20	107	0

* Value outside of QC limits.



Reviewer Comment: Qualification of several analytes as estimate or non-detect estimate "J/UJ" values is due to %D results outside laboratory limit within associated continuous calibration file V23250324A01.

Results Summary Form 1 Volatile Organics by EPA 5035

Client : LaBella Associates
Project Name : Warburton Dry Cleaners
Lab ID : L2515411-01
Client ID : MW-6 NESTED (50)
Sample Location : Yonkers, NY
Sample Matrix : Soil
Analytical Method : 1,8260D
Lab File ID : V23250324A23
Sample Amount : 4.5 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L2515411
Project Number : 2221378
Date Collected : 03/17/25 15:30
Date Received : 03/18/25
Date Analyzed : 03/24/25 18:59
Dilution Factor : 1
Analyst : JIC
Instrument ID : VOA123
GC Column : RTX-VMS
%Solids : 96
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	5.7	2.6	U
75-34-3	1,1-Dichloroethane	ND	1.1	0.17	U
67-66-3	Chloroform	ND	1.7	0.16	U
56-23-5	Carbon tetrachloride	ND	1.1	0.26	U
78-87-5	1,2-Dichloropropane	ND	1.1	0.14	U
124-48-1	Dibromochloromethane	ND	1.1	0.16	U
79-00-5	1,1,2-Trichloroethane	ND	1.1	0.30	U
127-18-4	Tetrachloroethene	2.3	0.57	0.22	
108-90-7	Chlorobenzene	ND	0.57	0.14	U
75-69-4	Trichlorofluoromethane	ND	4.6	0.80	U
107-06-2	1,2-Dichloroethane	ND	1.1	0.29	U
71-55-6	1,1,1-Trichloroethane	ND	0.57	0.19	U
75-27-4	Bromodichloromethane	ND	0.57	0.12	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.1	0.31	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.57	0.18	U
542-75-6	1,3-Dichloropropene, Total	ND	0.57	0.18	U
563-58-6	1,1-Dichloropropene	ND	0.57	0.18	U
75-25-2	Bromoform	ND	4.6	0.28	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.57	0.19	U
71-43-2	Benzene	0.26	0.57	0.19	J
108-88-3	Toluene	2.9	1.1	0.62	
100-41-4	Ethylbenzene	ND	1.1	0.16	U
74-87-3	Chloromethane	ND	4.6	1.1	UJ
74-83-9	Bromomethane	ND	2.3	0.66	UJ
75-01-4	Vinyl chloride	ND	1.1	0.38	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners
 Lab ID : L2515411-01
 Client ID : MW-6 NESTED (50)
 Sample Location : Yonkers, NY
 Sample Matrix : Soil
 Analytical Method : 1,8260D
 Lab File ID : V23250324A23
 Sample Amount : 4.5 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2515411
 Project Number : 2221378
 Date Collected : 03/17/25 15:30
 Date Received : 03/18/25
 Date Analyzed : 03/24/25 18:59
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA123
 GC Column : RTX-VMS
 %Solids : 96
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.3	0.52	U
75-35-4	1,1-Dichloroethene	ND	1.1	0.27	U
156-60-5	trans-1,2-Dichloroethene	ND	1.7	0.16	U
79-01-6	Trichloroethene	ND	0.57	0.16	U
95-50-1	1,2-Dichlorobenzene	ND	2.3	0.16	U
541-73-1	1,3-Dichlorobenzene	ND	2.3	0.17	U
106-46-7	1,4-Dichlorobenzene	ND	2.3	0.20	U
1634-04-4	Methyl tert butyl ether	ND	2.3	0.23	U
179601-23-1	p/m-Xylene	ND	2.3	0.64	U
95-47-6	o-Xylene	ND	1.1	0.33	U
1330-20-7	Xylenes, Total	ND	1.1	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.20	U
540-59-0	1,2-Dichloroethene, Total	ND	1.1	0.16	U
74-95-3	Dibromomethane	ND	2.3	0.27	U
100-42-5	Styrene	ND	1.1	0.22	U
75-71-8	Dichlorodifluoromethane	ND	11	1.0	U
67-64-1	Acetone	54	11	5.5	
75-15-0	Carbon disulfide	ND	11	5.2	U
78-93-3	2-Butanone	16	11	2.5	J
108-05-4	Vinyl acetate	ND	11	2.5	U
108-10-1	4-Methyl-2-pentanone	ND	11	1.5	UJ
96-18-4	1,2,3-Trichloropropane	ND	2.3	0.14	U
591-78-6	2-Hexanone	ND	11	1.4	U
74-97-5	Bromochloromethane	ND	2.3	0.23	U
594-20-7	2,2-Dichloropropane	ND	2.3	0.23	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners
 Lab ID : L2515411-01
 Client ID : MW-6 NESTED (50)
 Sample Location : YONKERS, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V23250324A23
 Sample Amount : 4.5 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2515411
 Project Number : 2221378
 Date Collected : 03/17/25 15:30
 Date Received : 03/18/25
 Date Analyzed : 03/24/25 18:59
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA123
 GC Column : RTX-VMS
 %Solids : 96
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-93-4	1,2-Dibromoethane	ND	1.1	0.32	U
142-28-9	1,3-Dichloropropane	ND	2.3	0.19	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.57	0.15	U
108-86-1	Bromobenzene	ND	2.3	0.17	U
104-51-8	n-Butylbenzene	ND	1.1	0.19	U
135-98-8	sec-Butylbenzene	ND	1.1	0.17	U
98-06-6	tert-Butylbenzene	ND	2.3	0.14	U
95-49-8	o-Chlorotoluene	ND	2.3	0.22	U
106-43-4	p-Chlorotoluene	ND	2.3	0.12	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.4	1.1	U
87-68-3	Hexachlorobutadiene	ND	4.6	0.19	UJ
98-82-8	Isopropylbenzene	ND	1.1	0.12	U
99-87-6	p-Isopropyltoluene	ND	1.1	0.12	U
91-20-3	Naphthalene	ND	4.6	0.74	U
107-13-1	Acrylonitrile	ND	4.6	1.3	UJ
103-65-1	n-Propylbenzene	ND	1.1	0.20	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.3	0.37	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.3	0.31	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.3	0.22	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.3	0.38	U
123-91-1	1,4-Dioxane	ND	92	40.	U
105-05-5	p-Diethylbenzene	ND	2.3	0.20	UJ
622-96-8	p-Ethyltoluene	ND	2.3	0.44	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.3	0.22	U
60-29-7	Ethyl ether	ND	2.3	0.39	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client	: LaBella Associates	Lab Number	: L2515411
Project Name	: Warburton Dry Cleaners	Project Number	: 2221378
Lab ID	: L2515411-01	Date Collected	: 03/17/25 15:30
Client ID	: MW-6 NESTED (50)	Date Received	: 03/18/25
Sample Location	: YONKERS, NY	Date Analyzed	: 03/24/25 18:59
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: JIC
Lab File ID	: V23250324A23	Instrument ID	: VOA123
Sample Amount	: 4.5 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 96
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.7	1.6	U J



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www.Enviro-Asmnt.com



ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

To: Wilson Corella
Labella Associates DPC
45 Main Street, Suite 1018
Brooklyn, NY 11201

Date: 05/16/2025

Subject: Warburton Dry Cleaners, Yonker, NY - Data Usability Summary Report

The Following Items Transmitted:
Data Package:

Originals	Description of Materials	Electronic/ Hard Copy
1	L2515644_NYSDEC_CatB_Package_Mini_Final Report.pdf	Electronic
1	L2515644_EquNysdec.xls	Electronic

Signature:

Tracey Evans
Chemist
evans@enviro-asmnt.com
Environmental Assessment & Remediations
225 Atlantic Avenue
Patchogue, New York 11772
631-447-6400 ext.124



Warburton Dry Cleaners, Yonker, NY, Data Usability Summary Report for March 18, 2025, Soil Sample

Client: Labella Associates DPC

Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)

Location: Warburton Dry Cleaners, Yonker, NY

Project Number: 2221378

Lab Job ID: L2515644				
			Method Evaluated	
Lab ID	Field ID	Collection Date	Matrix	8260D
L2515644-01	MW-6 NESTED (92)	3/18/2025	soil	x

Laboratory report reviewed under:

- USEPA Contract Laboratory Program National Functional Guidance for Super Organic Methods Data Review, EPA 540-R-20-005 (January 2020).
- VOA Standard Operation for the Validation of Volatile Data, QA-HWSS-A-004 (March 2022).
- Professional judgment.

Criteria for Data Usability Summary Report

Completeness:

A complete data package is one that has all relevant and related material packaged for distribution to its client in accordance with the Analytical Service Protocol (ASP) Category B Deliverables guidelines.

Compliant:

A compliant data package is one that is determined to have all work that pertains to the production of the laboratory data in a manner that is consistent with the Quality Assurance Program Plan.

Overall Usability Issues

Data validation completed in accordance with the New York State Department of Environmental Conservation Analytical Service Protocol (NYSDEC ASP) Category B Data Deliverable requirements and reviewer's professional judgment.

This analytical report complies with the following points:

1. Holding Time and Analysis Time
2. Sample Analysis and Quality Control.



In conclusion, the data reviewed in this report is usable and passes all stated criteria for compliance of method 8260D. Percent solid was examined under metho SM 2540G which was also reviewed and found also usable and passes all stated criteria for compliance.

Data Completeness

- A complete Category B data package under the NYSDEC ASP has been reported.



Data Validation Acronyms

AA	Atomic Absorption, Flame Technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene (Tune check analyte)
CCC	Continuing Calibration Check
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
CVAA	Atomic Absorption, Cold Vapor
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine (Tune check analyte)
DL	Detection Limit
ECD	Electron Capture Detector
FAA	Atomic Absorption, Furnace Technique
FID	Flame Ionization Detector
FNP	1-Fluoronaphthalene
GC	Gas Chromatography
GC/MS	Gas Chromatography/ Mass Spectrometry
GPC	Gel Permeation Chromatography
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma – Atomic Emission Spectrometer
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ICAL	Initial Calibration Curve
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LCS/LCSD	Laboratory Control Sample/ Laboratory Control Sample Duplicate
MB	Method Blank
MS	Matrix Spike
BNAMS11	Method of Standard Additions
MSD	Matrix Spike Duplicate
MS/MSD	Matrix Spike/ Matrix Spike Duplicate
ND	Non-detected or Not Detected
PID	Photo Ionization Detector



Data Validation Acronyms

PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
PQL	Practical Quantitation Limit
QA	Quality Assurance
QA/QC	Quality Assurance/ Quality Control
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RL	Reporting Limit
RRF	Relative Response Factor
RT	Retention Time
RRT	Relative Retention Time
SDG	Sample Delivery Group
SMC	System Monitoring Compounds/ Surrogates
SPCC	Sample Performance Check Compound
TCX	Tetrachloro-m-xylene
%D	Percent Drift
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation



Data Validation Qualifiers

U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may bias high.
J-	The result is an estimated quantity, but the result may bias low.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data is unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

Note:

1. These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.
2. The EDDs are assigned these data validation qualifiers and refer to the valid value list supplied by the specific agency or informational data system.

Client: Labella Associates DPC
Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)
Location: Warburton Dry Cleaners, Yonker , NY
Project Number: 2221378



Method Review: 8260D

Lab Job ID: L2515644

Lab ID	Field ID	Collection Date	Matrix
L2515644-01	MW-6 NESTED (92)	3/18/2025	soil

Reviewer Summary:

Samples were handled and analyzed properly under USEPA Contract Laboratory Program National Functional Guidance for Super Organic Methods Data and QA-HWSS-A-004 VOA Standard Operation for the Validation of Volatile Data.

- Within continuous calibration (file V04250324A01) several compounds were outside of %D criteria leading to qualification of compounds as estimate or non-detect estimate "J/UJ" values within sample. Data was qualified within category B criterion and is usable.

Client: Labella Associates DPC
Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)
Location: Warburton Dry Cleaners, Yonker, NY
Project Number: 2221378
Job ID: L2515644



Method 8260D

Criteria	Y	N	NA	Comment
A. Sample Receipt				
Technical Hold Time of 7 days not preserved or 14 days preserved (pH<2)?	x			
Cooling Temp = 4°C ± 2°C	x			
B. GC/MS Instrument Performance Check				
Were BFB performance results within criteria?	x			
Were all samples analyzed within the 12 hour time period?	x			
C. Initial Calibration				
Was a 5 point calibration run?	x			
Was RSD% with in criteria for each target analyte? Was RRF within criteria?	x			
Was curve fit used for evaluation? If yes did the I.C. meet the curve fit acceptability of ≥ 0.990 ?	x			
Was the Initial Calibration Verification (ICV) done after the I.C., were compound recovery within criteria?	x			
D. Continuing Calibration				
Was it done every 12 hours after I.C. to verify it?	x			Several compounds were outside of %D criteria leading to qualification of compounds as estimate or non-detect estimate "J/UJ" values within sample. See attachment.
Were (%D) $\leq$ limit and relative respond factors (RRF) within criteria?		x		

Criteria	Y	N	NA	Comment
E. Laboratory Blanks				
Was a lab blank associated with each sample of SDG?	x			
Was blank analyzed every 12 hours?	x			
Were contamination found, if so qualification may be necessary?		x		
subsection : Field Blanks				
Was a field blank associated with each sample of SDG?		x		
Were target compounds detected in it?			x	
F. Surrogate Spikes				
Were surrogate percent recovery (%R) within QC limits?	x			
If the (R%) for one or more surrogates were out of QC, was reanalysis performed to confirm %R?			x	
G. Matrix Spike/Matrix Duplicate				
Were MS and MSD analyzed for SDG?		x		
Was MS/MSD done every 20 samples?			x	
Were MS/MSD (%R) and RPD within QC?			x	
H. Field Duplicate				
Were field duplicates identified in this SDG?		x		
Were target compounds detected in it? Were RSPs less than 50%?			x	

Criteria	Y	N	NA	Comment
subsection: Internal Compounds				
Were counts within 50% to 200% of associated calibration standard?	x			
Were retention times within ± 10 sec of cal. standard?	x			
I. Target Analyte Identification				
Mass spectral ion abundance criteria specified for target analyte?	x			
Target analyte RRT outside specified RRT window	x			
If sample is considered "Solid", is it greater than 30%?	x			
Did the spectrum meet EPA "Functional Guidelines"?	x			
J. Tentative Analyte Identification				
Were analyte results greater than 85% library match?			x	
Were National Functional Guidelines followed for TIC processing?			x	
K. Regional EPA QA/QC				
Were regional protocol of QA/AC protocols used in evaluation data?	x			
L. Overall Assessment of Data				
Was overall assessment of data found to be acceptable?	x			

Comments: Qualification occurred in sample due to continuous calibration failures in laboratory criteria. All data is usable.

Client: Labella Associates DPC
Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)
Location: Warburton Dry Cleaners, Yonker , NY
Project Number: 2221378



Method Review: SM 2540G

Lab Job ID: L2515411

Lab ID	Field ID	Collection Date	Matrix
L2515644-01	MW-6 NESTED (92)	3/18/2025	soil

Reviewer Summary:

Samples were handled and analyzed properly under National Functional Guideline for Organic Superfund Method Data Review.

- Duplicates of samples were run under WG2043090-1 and WG2043090-1 DUP, result is within acceptable quantities for SM 2540G results.

Data is within category B criterion and is usable.

	Original Sample WG2043090-1	Duplicate WG2043090-1 DUP	Relative Percent Difference
Solids, Percent	96.4	96.1	0.31

Client: Labella Associates DPC
Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)
Location: Warburton Dry Cleaners, Yonker, NY
Project Number: 2221378
Job ID: L2515644



Method SM 2540G

Criteria	Y	N	NA	Comment
A. Sample Receipt				
Was sample run during technical hold time of aqueous/TCLP/SPLP samples?	x			
Was sample run during technical hold time soil/sediment/wipe samples?	x			
B. Precision test run				
Was balance checked with duplicate weights for accuracy or some other test run before sample processing.	x			
C. Duplicate Samples				
Was at least one duplicate sample is run per matrix or SDE?	x			Duplicates of samples were run under WG2043090-1 and WG2043090-1 DUP result is within acceptable quantities for SM 2540G results.
Were control limit of 20% Relative Percent Difference between 'original' and duplicate?	x			
Were control limit CRQL of <5X found?	x			
E. Regional EPA QA/QC				
Were regional protocol of QA/QC protocols used in evaluating data?	x			
Did RPD fall within specific limits in EPA region's SOP or project QAPP?	x			
F Overall assessment of data				
Was Overall assessment of data found to be acceptable?	x			

Comments: All results are within Cat. B criterion and usable.

Calculation Spot Check

Instrument: VOA104

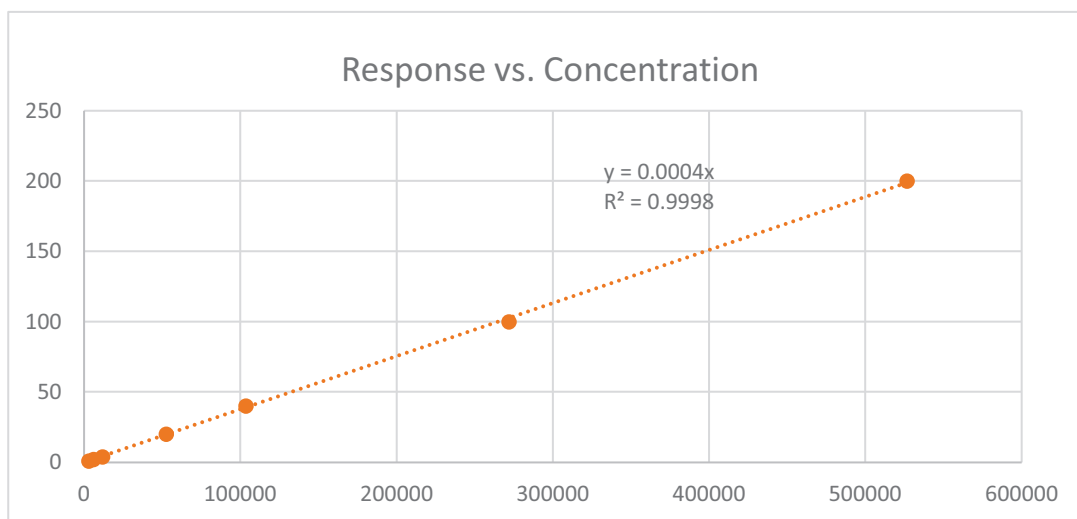
ICV Date and Time: 12/20/2024 07:44

Compound: Chloromethane



Curve Evaluation

	RRF	Response	Concentration
L1	0.280	2822	1
L2	0.311	5858	2
L3	0.305	11591	4
L4	0.280	52511	20
L5	0.280	103342	40
L6	0.300	271858	100
L7	0.301	526564	200
L8	0.291		
average	0.293		
RSD	4.26		



Attachments for Method Review

Reviewer Comment: Qualification of several analytes as non-detect estimate "UJ" values within associated sample MW-6 NESTED (92). Not all compounds are present in the sample.

Calibration Verification Summary

Form 7

Volatiles

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners
 Instrument ID : VOA104
 Lab File ID : V04250324A01
 Sample No : WG2044865-2
 Channel :

Lab Number : L2515644
 Project Number : 2221378
 Calibration Date : 03/24/25 08:31
 Init. Calib. Date(s) : 12/20/24 12/20/24
 Init. Calib. Times : 07:44 12:30

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	141	0
Dichlorodifluoromethane	0.347	0.404	-	-16.4	20	169	0
Chloromethane	0.293	0.453	-	-54.6*	20	228	0
Vinyl chloride	0.34	0.416	-	-22.4*	20	175	0
Bromomethane	0.228	0.235	-	-3.1	20	151	0
Chloroethane	0.206	0.214	-	-3.9	20	143	0
Trichlorofluoromethane	0.53	0.493	-	7	20	127	0
Ethyl ether	0.124	0.125	-	-0.8	20	145	0
1,1-Dichloroethene	0.287	0.281	-	2.1	20	144	0
Carbon disulfide	0.936	0.993	-	-6.1	20	153	0
Freon-113	0.308	0.325	-	-5.5	20	145	0
Acrolein	0.028	0.033	-	-17.9	20	167	0
Methylene chloride	0.33	0.291	-	11.8	20	133	0
Acetone	0.062	0.057	-	8.1	20	145	0
trans-1,2-Dichloroethene	0.309	0.302	-	2.3	20	141	0
Methyl acetate	0.093	0.117	-	-25.8*	20	179	0
Methyl tert-butyl ether	0.729	0.693	-	4.9	20	138	0
tert-Butyl alcohol	0.022	0.025	-	-13.6	20	163	0
Diisopropyl ether	0.795	1.022	-	-28.6*	20	183	0
1,1-Dichloroethane	0.54	0.577	-	-6.9	20	148	0
Halothane	0.252	0.247	-	2	20	135	0
Acrylonitrile	0.045	0.059	-	-31.1*	20	176	0
Ethyl tert-butyl ether	0.822	0.941	-	-14.5	20	159	0
Vinyl acetate	0.414	0.561	-	-35.5*	20	183	0
cis-1,2-Dichloroethene	0.343	0.304	-	11.4	20	132	0
2,2-Dichloropropane	0.509	0.444	-	12.8	20	126	0
Bromochloromethane	0.158	0.15	-	5.1	20	133	0
Cyclohexane	0.428	0.56	-	-30.8*	20	185	0
Chloroform	0.557	0.485	-	12.9	20	122	0
Ethyl acetate	0.148	0.192	-	-29.7*	20	174	0
Carbon tetrachloride	0.485	0.458	-	5.6	20	132	0
Tetrahydrofuran	0.045	0.067	-	-48.9*	20	211	0
Dibromofluoromethane	0.314	0.291	-	7.3	20	131	0
1,1,1-Trichloroethane	0.51	0.456	-	10.6	20	127	0
2-Butanone	0.062	0.076	-	-22.6*	20	160	0
1,1-Dichloropropene	0.374	0.35	-	6.4	20	126	0
Benzene	1.105	0.989	-	10.5	20	125	0
tert-Amyl methyl ether	0.757	0.657	-	13.2	20	127	0
1,2-Dichloroethane-d4	0.271	0.245	-	9.6	20	131	0
1,2-Dichloroethane	0.364	0.35	-	3.8	20	137	0
Methyl cyclohexane	0.507	0.457	-	9.9	20	132	0
Trichloroethene	0.306	0.292	-	4.6	20	128	0
Dibromomethane	0.191	0.152	-	20.4*	20	116	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners
 Instrument ID : VOA104
 Lab File ID : V04250324A01
 Sample No : WG2044865-2
 Channel :

Lab Number : L2515644
 Project Number : 2221378
 Calibration Date : 03/24/25 08:31
 Init. Calib. Date(s) : 12/20/24 12/20/24
 Init. Calib. Times : 07:44 12:30

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.288	0.29	-	-0.7	20	145	0
2-Chloroethyl vinyl ether	0.144	0.138	-	4.2	20	131	0
Bromodichloromethane	0.455	0.366	-	19.6	20	117	0
1,4-Dioxane	0.00166	0.00201*	-	-21.1*	20	156	0
cis-1,3-Dichloropropene	0.46	0.415	-	9.8	20	122	0
Chlorobenzene-d5	1	1	-	0	20	146	0
Toluene-d8	1.431	1.267	-	11.5	20	129	0
Toluene	0.952	0.802	-	15.8	20	125	0
4-Methyl-2-pentanone	0.09	0.099	-	-10	20	163	0
Tetrachloroethene	0.417	0.411	-	1.4	20	138	0
trans-1,3-Dichloropropene	0.516	0.439	-	14.9	20	120	0
Ethyl methacrylate	0.331	0.29	-	12.4	20	125	0
1,1,2-Trichloroethane	0.257	0.209	-	18.7	20	119	0
Chlorodibromomethane	0.453	0.369	-	18.5	20	122	0
1,3-Dichloropropane	0.477	0.403	-	15.5	20	122	0
1,2-Dibromoethane	0.306	0.269	-	12.1	20	124	0
2-Hexanone	0.137	0.166	-	-21.2*	20	174	0
Chlorobenzene	1.079	0.947	-	12.2	20	130	0
Ethylbenzene	1.811	1.578	-	12.9	20	126	0
1,1,1,2-Tetrachloroethane	0.418	0.361	-	13.6	20	125	0
p/m Xylene	0.672	0.603	-	10.3	20	129	0
o Xylene	0.671	0.594	-	11.5	20	128	0
Styrene	1.08	0.956	-	11.5	20	127	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	141	0
Bromoform	0.491	0.398	-	18.9	20	113	0
Isopropylbenzene	3.347	3.019	-	9.8	20	127	0
4-Bromofluorobenzene	0.985	0.836	-	15.1	20	121	0
Bromobenzene	0.866	0.765	-	11.7	20	124	0
n-Propylbenzene	3.86	3.341	-	13.4	20	124	0
1,4-Dichlorobutane	0.76	0.807	-	-6.2	20	153	0
1,1,2,2-Tetrachloroethane	0.704	0.535	-	24*	20	111	0
4-Ethyltoluene	3.132	2.866	-	8.5	20	129	0
2-Chlorotoluene	2.226	1.962	-	11.9	20	123	0
1,3,5-Trimethylbenzene	2.851	2.446	-	14.2	20	123	0
1,2,3-Trichloropropane	0.5	0.396	-	20.8*	20	116	0
trans-1,4-Dichloro-2-buten	0.185	0.183	-	1.1	20	151	0
4-Chlorotoluene	2.247	2.017	-	10.2	20	127	0
tert-Butylbenzene	2.383	2.167	-	9.1	20	129	0
1,2,4-Trimethylbenzene	2.746	2.403	-	12.5	20	125	0
sec-Butylbenzene	3.618	3.22	-	11	20	127	0
p-Isopropyltoluene	2.937	2.834	-	3.5	20	137	0
1,3-Dichlorobenzene	1.537	1.476	-	4	20	136	0
1,4-Dichlorobenzene	1.59	1.479	-	7	20	135	0

* Value outside of QC limits.



Reviewer Comment: Qualification of several analytes as estimate or non-detect estimate "J/UJ" values is due to %D results outside laboratory limit within associated continuous calibration file V04250324A01.

Results Summary Form 1 Volatile Organics by EPA 5035

Client : LaBella Associates
Project Name : Warburton Dry Cleaners
Lab ID : L2515644-01
Client ID : MW-6 NESTED (92)
Sample Location : Yonkers, NY
Sample Matrix : Soil
Analytical Method : 1,8260D
Lab File ID : V04250324A22
Sample Amount : 1.3 g
Level : Low
Extract Volume (MeOH) : N/A

Lab Number : L2515644
Project Number : 2221378
Date Collected : 03/18/25 13:00
Date Received : 03/18/25
Date Analyzed : 03/24/25 18:25
Dilution Factor : 1
Analyst : JIC
Instrument ID : VOA104
GC Column : RTX-VMS
%Solids : 90
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	22	10.	U
75-34-3	1,1-Dichloroethane	ND	4.4	0.64	U
67-66-3	Chloroform	ND	6.6	0.62	U
56-23-5	Carbon tetrachloride	ND	4.4	1.0	U
78-87-5	1,2-Dichloropropane	ND	4.4	0.55	U
124-48-1	Dibromochloromethane	ND	4.4	0.62	U
79-00-5	1,1,2-Trichloroethane	ND	4.4	1.2	U
127-18-4	Tetrachloroethene	10	2.2	0.86	
108-90-7	Chlorobenzene	ND	2.2	0.56	U
75-69-4	Trichlorofluoromethane	ND	18	3.0	U
107-06-2	1,2-Dichloroethane	ND	4.4	1.1	U
71-55-6	1,1,1-Trichloroethane	ND	2.2	0.73	U
75-27-4	Bromodichloromethane	ND	2.2	0.48	U
10061-02-6	trans-1,3-Dichloropropene	ND	4.4	1.2	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.70	U
542-75-6	1,3-Dichloropropene, Total	ND	2.2	0.70	U
563-58-6	1,1-Dichloropropene	ND	2.2	0.70	U
75-25-2	Bromoform	ND	18	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	0.73	U J
71-43-2	Benzene	ND	2.2	0.73	U
108-88-3	Toluene	ND	4.4	2.4	U
100-41-4	Ethylbenzene	ND	4.4	0.62	U
74-87-3	Chloromethane	ND	18	4.1	U J
74-83-9	Bromomethane	ND	8.8	2.6	U
75-01-4	Vinyl chloride	ND	4.4	1.5	U J



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners
 Lab ID : L2515644-01
 Client ID : MW-6 NESTED (92)
 Sample Location : YONKERS, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V04250324A22
 Sample Amount : 1.3 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2515644
 Project Number : 2221378
 Date Collected : 03/18/25 13:00
 Date Received : 03/18/25
 Date Analyzed : 03/24/25 18:25
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA104
 GC Column : RTX-VMS
 %Solids : 90
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	8.8	2.0	U
75-35-4	1,1-Dichloroethene	ND	4.4	1.0	U
156-60-5	trans-1,2-Dichloroethene	ND	6.6	0.60	U
79-01-6	Trichloroethene	ND	2.2	0.60	U
95-50-1	1,2-Dichlorobenzene	ND	8.8	0.63	U
541-73-1	1,3-Dichlorobenzene	ND	8.8	0.65	U
106-46-7	1,4-Dichlorobenzene	ND	8.8	0.75	U
1634-04-4	Methyl tert butyl ether	ND	8.8	0.88	U
179601-23-1	p/m-Xylene	ND	8.8	2.5	U
95-47-6	o-Xylene	ND	4.4	1.3	U
1330-20-7	Xylenes, Total	ND	4.4	1.3	U
156-59-2	cis-1,2-Dichloroethene	ND	4.4	0.77	U
540-59-0	1,2-Dichloroethene, Total	ND	4.4	0.60	U
74-95-3	Dibromomethane	ND	8.8	1.0	U J
100-42-5	Styrene	ND	4.4	0.86	U
75-71-8	Dichlorodifluoromethane	ND	44	4.0	U
67-64-1	Acetone	ND	44	21.	U
75-15-0	Carbon disulfide	ND	44	20.	U
78-93-3	2-Butanone	ND	44	9.8	U J
108-05-4	Vinyl acetate	ND	44	9.4	U J
108-10-1	4-Methyl-2-pentanone	ND	44	5.6	U
96-18-4	1,2,3-Trichloropropane	ND	8.8	0.56	U
591-78-6	2-Hexanone	ND	44	5.2	U J
74-97-5	Bromochloromethane	ND	8.8	0.90	U
594-20-7	2,2-Dichloropropane	ND	8.8	0.89	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners
 Lab ID : L2515644-01
 Client ID : MW-6 NESTED (92)
 Sample Location : YONKERS, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V04250324A22
 Sample Amount : 1.3 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2515644
 Project Number : 2221378
 Date Collected : 03/18/25 13:00
 Date Received : 03/18/25
 Date Analyzed : 03/24/25 18:25
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA104
 GC Column : RTX-VMS
 %Solids : 90
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-93-4	1,2-Dibromoethane	ND	4.4	1.2	U
142-28-9	1,3-Dichloropropane	ND	8.8	0.73	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.2	0.58	U
108-86-1	Bromobenzene	ND	8.8	0.64	U
104-51-8	n-Butylbenzene	ND	4.4	0.73	U
135-98-8	sec-Butylbenzene	ND	4.4	0.64	U
98-06-6	tert-Butylbenzene	ND	8.8	0.52	U
95-49-8	o-Chlorotoluene	ND	8.8	0.84	U
106-43-4	p-Chlorotoluene	ND	8.8	0.48	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	4.4	U
87-68-3	Hexachlorobutadiene	ND	18	0.74	U
98-82-8	Isopropylbenzene	ND	4.4	0.48	U
99-87-6	p-Isopropyltoluene	ND	4.4	0.48	U
91-20-3	Naphthalene	ND	18	2.8	U
107-13-1	Acrylonitrile	ND	18	5.0	UJ
103-65-1	n-Propylbenzene	ND	4.4	0.75	U
87-61-6	1,2,3-Trichlorobenzene	ND	8.8	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	8.8	1.2	U
108-67-8	1,3,5-Trimethylbenzene	ND	8.8	0.85	U
95-63-6	1,2,4-Trimethylbenzene	ND	8.8	1.5	U
123-91-1	1,4-Dioxane	ND	350	150	UJ
105-05-5	p-Diethylbenzene	ND	8.8	0.78	U
622-96-8	p-Ethyltoluene	ND	8.8	1.7	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	8.8	0.84	U
60-29-7	Ethyl ether	ND	8.8	1.5	U





To: Wilson Corella
Labella Associates DPC
45 Main Street, Suite 1018
Brooklyn, NY 11201

Date: 05/16/2025

Subject: Warburton Dry Cleaners, Yonker, NY - Data Usability Summary Report

The Following Items Transmitted:
Data Package:

Originals	Description of Materials	Electronic/ Hard Copy
1	L2516110_NYSDEC_CatB_Package_Mini_Final Report.pdf	Electronic
1	L2516110_EquNysdec.xls	Electronic

Signature:

Tracey Evans
Chemist
evans@enviro-asmnt.com
Environmental Assessment & Remediations
225 Atlantic Avenue
Patchogue, New York 11772
631-447-6400 ext.124



Warburton Dry Cleaners, Yonker, NY, Data Usability Summary Report for March 19, 2025, Soil Samples

Client: Labella Associates DPC

Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)

Location: Warburton Dry Cleaners, Yonker, NY

Project Number: 2221378

Lab Job ID: L26110-0				
			Method Evaluated	
Lab ID	Field ID	Collection Date	Matrix	8260D
L2516110-01	MW-2 NESTED (23)	3/19/2025	soil	x
L2516110-02	MW-2 NESTED (59)	3/19/2025	soil	x

Laboratory report reviewed under:

- USEPA Contract Laboratory Program National Functional Guidance for Super Organic Methods Data Review, EPA 540-R-20-005 (January 2020).
- VOA Standard Operation for the Validation of Volatile Data, QA-HWSS-A-004 (March 2022).
- Professional judgment.

Criteria for Data Usability Summary Report

Completeness:

A complete data package is one that has all relevant and related material packaged for distribution to its client in accordance with the Analytical Service Protocol (ASP) Category B Deliverables guidelines.

Compliant:

A compliant data package is one that is determined to have all work that pertains to the production of the laboratory data in a manner that is consistent with the Quality Assurance Program Plan.

Overall Usability Issues

Data validation completed in accordance with the New York State Department of Environmental Conservation Analytical Service Protocol (NYSDEC ASP) Category B Data Deliverable requirements and reviewer's professional judgment.

This analytical report complies with the following points:

1. Holding Time and Analysis Time
2. Sample Analysis and Quality Control.



In conclusion, the data reviewed in this report is usable and passes all stated criteria for compliance of method 8260D. Percent solid was examined under metho SM 2540G which was also reviewed and found also usable and passes all stated criteria for compliance.

Data Completeness

- A complete Category B data package under the NYSDEC ASP has been reported.



Data Validation Acronyms

AA	Atomic Absorption, Flame Technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene (Tune check analyte)
CCC	Continuing Calibration Check
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
CVAA	Atomic Absorption, Cold Vapor
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine (Tune check analyte)
DL	Detection Limit
ECD	Electron Capture Detector
FAA	Atomic Absorption, Furnace Technique
FID	Flame Ionization Detector
FNP	1-Fluoronaphthalene
GC	Gas Chromatography
GC/MS	Gas Chromatography/ Mass Spectrometry
GPC	Gel Permeation Chromatography
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma – Atomic Emission Spectrometer
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ICAL	Initial Calibration Curve
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LCS/LCSD	Laboratory Control Sample/ Laboratory Control Sample Duplicate
MB	Method Blank
MS	Matrix Spike
BNAMS11	Method of Standard Additions
MSD	Matrix Spike Duplicate
MS/MSD	Matrix Spike/ Matrix Spike Duplicate
ND	Non-detected or Not Detected
PID	Photo Ionization Detector



Data Validation Acronyms

PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
PQL	Practical Quantitation Limit
QA	Quality Assurance
QA/QC	Quality Assurance/ Quality Control
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RL	Reporting Limit
RRF	Relative Response Factor
RT	Retention Time
RRT	Relative Retention Time
SDG	Sample Delivery Group
SMC	System Monitoring Compounds/ Surrogates
SPCC	Sample Performance Check Compound
TCX	Tetrachloro-m-xylene
%D	Percent Drift
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation



Data Validation Qualifiers

U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may bias high.
J-	The result is an estimated quantity, but the result may bias low.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data is unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

Note:

1. These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.
2. The EDDs are assigned these data validation qualifiers and refer to the valid value list supplied by the specific agency or informational data system.

Client: Labella Associates DPC
Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)
Location: Warburton Dry Cleaners, Yonker , NY
Project Number: 2221378



Method Review: 8260D

Lab Job ID: L2516110

Lab ID	Field ID	Collection Date	Matrix
L2516110-01	MW-2 NESTED (23)	3/19/2025	soil
L2516110-02	MW-2 NESTED (59)	3/19/2025	soil

Reviewer Summary:

Samples were handled and analyzed properly under USEPA Contract Laboratory Program National Functional Guidance for Super Organic Methods Data and QA-HWSS-A-004 VOA Standard Operation for the Validation of Volatile Data.

- Within continuous calibrations (files V10250330A01, V04250328A01 and V00250401A01) several compounds were outside of %D criteria leading to qualification of compounds as estimate or non-detect estimate "J/UJ" values within associated samples.

Data was qualified within category B criterion and is usable.

Client: Labella Associates DPC
Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)
Location: Warburton Dry Cleaners, Yonker, NY
Project Number: 2221378
Job ID: L2516110



Method 8260D

Criteria	Y	N	NA	Comment
A. Sample Receipt				
Technical Hold Time of 7 days not preserved or 14 days preserved (pH<2)?	x			
Cooling Temp = 4°C ± 2°C	x			
B. GC/MS Instrument Performance Check				
Were BFB performance results within criteria?	x			
Were all samples analyzed within the 12 hour time period?	x			
C. Initial Calibration				
Was a 5 point calibration run?	x			
Was RSD% with in criteria for each target analyte? Was RRF within criteria?	x			
Was curve fit used for evaluation? If yes did the I.C. meet the curve fit acceptability of ≥0.990 ?	x			
Was the Initial Calibration Verification (ICV) done after the I.C., were compound recovery within criteria?	x			
D. Continuing Calibration				
Was it done every 12 hours after I.C. to verify it?	x			Within each CCV, several compounds were outside of %D criteria leading to qualification of compounds as estimate or non-detect estimate "J/UJ" values within associated samples. See attachment.
Were (%D)≤ limit and relative respond factors (RRF) within criteria?		x		

Criteria	Y	N	NA	Comment
E. Laboratory Blanks				
Was a lab blank associated with each sample of SDG?	x			
Was blank analyzed every 12 hours?	x			
Were contamination found, if so qualification may be necessary?		x		
subsection : Field Blanks				
Was a field blank associated with each sample of SDG?		x		
Were target compounds detected in it?			x	
F. Surrogate Spikes				
Were surrogate percent recovery (%R) within QC limits?	x			
If the (%R) for one or more surrogates were out of QC, was reanalysis performed to confirm %R?			x	
G. Matrix Spike/Matrix Duplicate				
Were MS and MSD analyzed for SDG?		x		
Was MS/MSD done every 20 samples?			x	
Were MS/MSD (%R) and RPD within QC?			x	
H. Field Duplicate				
Were field duplicates identified in this SDG?		x		
Were target compounds detected in it? Were RSPs less than 50%?			x	

Criteria	Y	N	NA	Comment
subsection: Internal Compounds				
Were counts within 50% to 200% of associated calibration standard?	x			
Were retention times within ± 10 sec of cal. standard?	x			
I. Target Analyte Identification				
Mass spectral ion abundance criteria specified for target analyte?	x			
Target analyte RRT outside specified RRT window	x			
If sample is considered "Solid", is it greater than 30%?	x			
Did the spectrum meet EPA "Functional Guidelines"?	x			
J. Tentative Analyte Identification				
Were analyte results greater than 85% library match?			x	
Were National Functional Guidelines followed for TIC processing?			x	
K. Regional EPA QA/QC				
Were regional protocol of QA/AC protocols used in evaluation data?	x			
L. Overall Assessment of Data				
Was overall assessment of data found to be acceptable?	x			

Comments: Qualification occurred in samples due to continuous calibration failures in laboratory criteria. All data is usable.

Calculation Spot Check

Instrument: VOA104

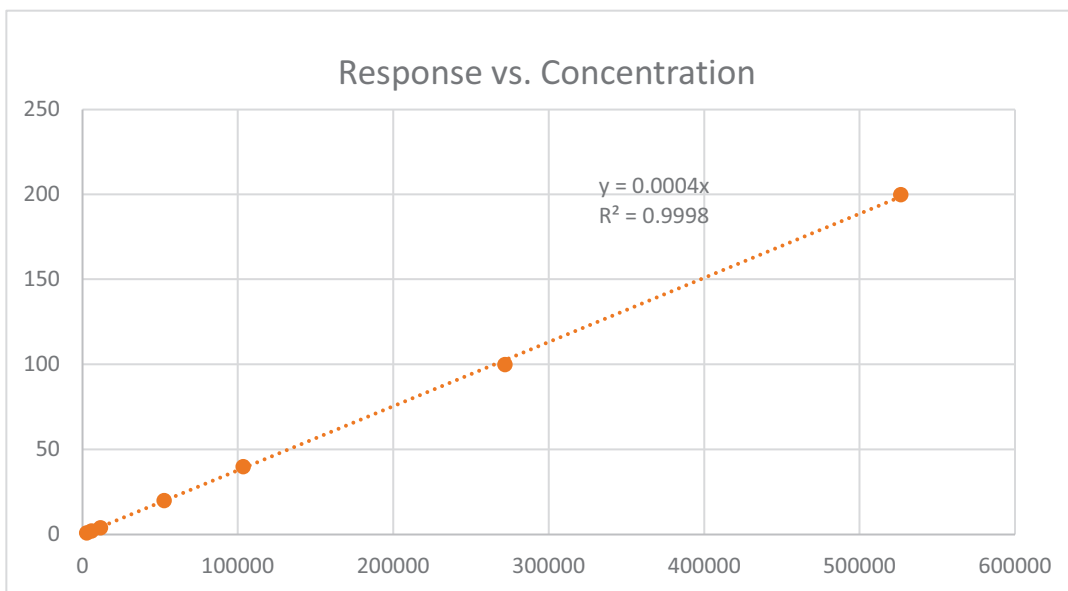
ICV Date and Time: 12/20/2024 07:44

Compound: Chloromethane



Curve Evaluation

	RRF	Response	Concentration
L1	0.280	2822	1
L2	0.311	5858	2
L3	0.305	11591	4
L4	0.280	52511	20
L5	0.280	103342	40
L6	0.300	271858	100
L7	0.301	526564	200
L8	0.291		
average	0.293		
RSD	4.26		



Calculation Spot Check

Instrument: VOA110

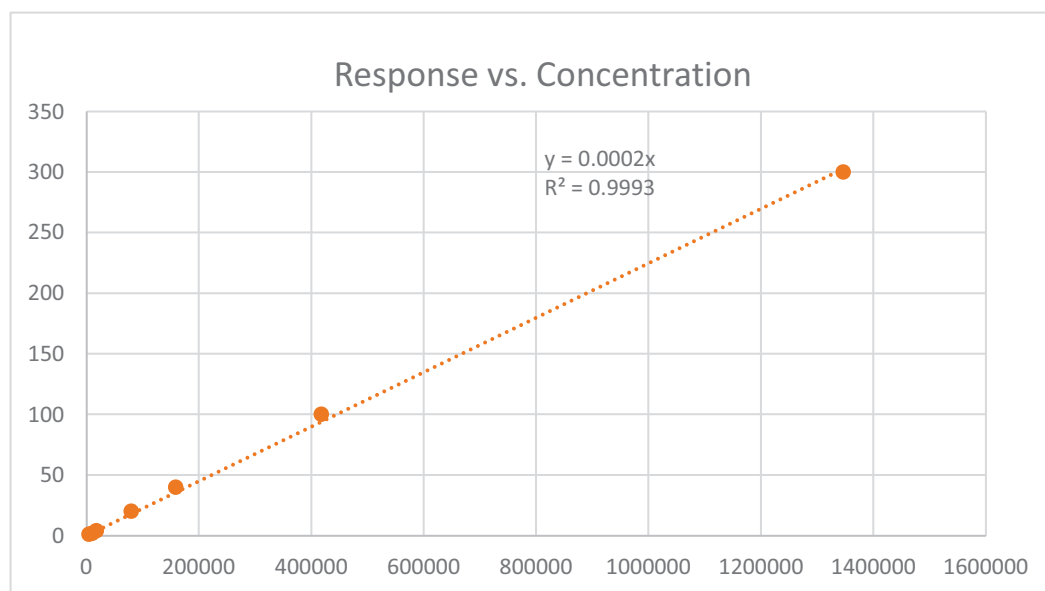
ICV Date and Time: 01/22/2025 02:17

Compound: Chloromethane



Curve Evaluation

	RRF	Response	Concentration
L1	0.247	3930	1
L2	0.305	9652	2
L3	0.267	17248	4
L4	0.239	78886	20
L5	0.235	158214	40
L6	0.241	417405	100
L7	0.253	1345758	300
average	0.255		
RSD	9.55		



Calculation Spot Check

Instrument: VOA100

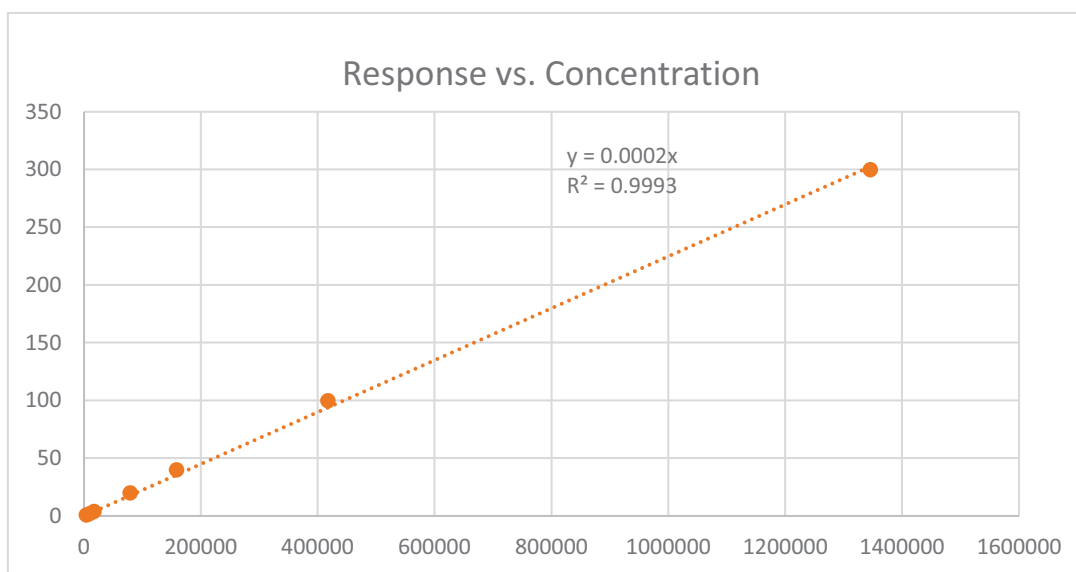
ICV Date and Time: 03/18/2025 18:03

Compound: Chloromethane



Curve Evaluation

	RRF	Response	Concentration
L1	0.324	5612	1
L2	0.391	12416	2
L3	0.442	28445	4
L4	0.379	126053	20
L5	0.352	240750	40
L6	0.357	645152	100
L7	0.350	1269848	200
L8	0.350	2016237	300
average	0.368		
RSD	9.79		



Client: Labella Associates DPC
Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)
Location: Warburton Dry Cleaners, Yonker , NY
Project Number: 2221378



Method Review: SM 2540G

Lab Job ID: L2516110

Lab ID	Field ID	Collection Date	Matrix
L2516110-01	MW-2 NESTED (23)	3/19/2025	soil

Reviewer Summary:

Samples were handled and analyzed properly under National Functional Guideline for Organic Superfund Method Data Review.

- Note, sample MW-2 NESTED (59) was missing, thus no data was recorded for total solid percentage.

Duplicates of samples were run under WG2043568-1 and WG2043568-1 DUP, result is within acceptable quantities for SM 2540G results.

Data is within category B criterion and is usable.

	Original Sample WG2043568-1	Duplicate WG2043568-1 DUP	Relative Percent Difference
Solids, Percent	31.4	34.8	10.27

Client: Labella Associates DPC
Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)
Location: Warburton Dry Cleaners, Yonker, NY
Project Number: 2221378
Job ID: L2516110



Method SM 2540G

Criteria	Y	N	NA	Comment
A. Sample Receipt				
Was sample run during technical hold time of aqueous/TCLP/SPLP samples?	x			
Was sample run during technical hold time soil/sediment/wipe samples?	x			
B. Precision test run				
Was balance checked with duplicate weights for accuracy or some other test run before sample processing.	x			
C. Duplicate Samples				
Was at least one duplicate sample is run per matrix or SDE?	x			Duplicates of samples were run under WG2043568-1 and WG2043568-1 DUP result is within acceptable quantities for SM 2540G results.
Were control limit of 20% Relative Percent Difference between 'original' and duplicate?	x			
Were control limit CRQL of <5X found?	x			
E. Regional EPA QA/QC				
Were regional protocol of QA/QC protocols used in evaluating data?	x			
Did RPD fall within specific limits in EPA region's SOP or project QAPP?	x			
F Overall assessment of data				
Was Overall assessment of data found to be acceptable?	x			

Comments: All results are within Cat. B criterion and usable.

Attachments for Method Review

Reviewer Comment: Qualification of several analytes as estimate or non-detect estimate "J/UJ" values within associated sample MW-2 NESTED (59). Not all compounds may be present in the sample.

Calibration Verification Summary Form 7 Volatiles

Client : LaBella Associates
Project Name : Warburton Dry Cleaners Site
Instrument ID : VOA104
Lab File ID : V04250328A01
Sample No : WG2047265-2
Channel :

Lab Number : L2516110
Project Number : 2221378
Calibration Date : 03/28/25 10:49
Init. Calib. Date(s) : 12/20/24 12/20/24
Init. Calib. Times : 07:44 12:30

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	128	0
Dichlorodifluoromethane	0.347	0.343	-	1.2	20	131	0
Chloromethane	0.293	0.415	-	-41.6*	20	190	0
Vinyl chloride	0.34	0.381	-	-12.1	20	145	0
Bromomethane	0.228	0.23	-	-0.9	20	135	0
Chloroethane	0.206	0.201	-	2.4	20	122	0
Trichlorofluoromethane	0.53	0.511	-	3.6	20	120	0
Ethyl ether	0.124	0.123	-	0.8	20	129	0
1,1-Dichloroethene	0.287	0.272	-	5.2	20	127	0
Carbon disulfide	0.936	0.924	-	1.3	20	129	0
Freon-113	0.308	0.311	-	-1	20	126	0
Acrolein	0.028	0.03	-	-7.1	20	137	0
Methylene chloride	0.33	0.291	-	11.8	20	120	0
Acetone	0.062	0.074	-	-19.4	20	168	0
trans-1,2-Dichloroethene	0.309	0.301	-	2.6	20	128	0
Methyl acetate	0.093	0.119	-	-28*	20	167	0
Methyl tert-butyl ether	0.729	0.699	-	4.1	20	126	0
tert-Butyl alcohol	0.022	0.025	-	-13.6	20	146	0
Diisopropyl ether	0.795	1.021	-	-28.4*	20	166	0
1,1-Dichloroethane	0.54	0.584	-	-8.1	20	137	0
Halothane	0.252	0.243	-	3.6	20	121	0
Acrylonitrile	0.045	0.058	-	-28.9*	20	158	0
Ethyl tert-butyl ether	0.822	0.951	-	-15.7	20	146	0
Vinyl acetate	0.414	0.558	-	-34.8*	20	165	0
cis-1,2-Dichloroethene	0.343	0.308	-	10.2	20	122	0
2,2-Dichloropropane	0.509	0.454	-	10.8	20	117	0
Bromochloromethane	0.158	0.155	-	1.9	20	125	0
Cyclohexane	0.428	0.537	-	-25.5*	20	161	0
Chloroform	0.557	0.513	-	7.9	20	118	0
Ethyl acetate	0.148	0.189	-	-27.7*	20	156	0
Carbon tetrachloride	0.485	0.463	-	4.5	20	121	0
Tetrahydrofuran	0.045	0.066	-	-46.7*	20	190	0
Dibromofluoromethane	0.314	0.284	-	9.6	20	116	0
1,1,1-Trichloroethane	0.51	0.469	-	8	20	119	0
2-Butanone	0.062	0.086	-	-38.7*	20	164	0
1,1-Dichloropropene	0.374	0.351	-	6.1	20	115	0
Benzene	1.105	1.009	-	8.7	20	116	0
tert-Amyl methyl ether	0.757	0.681	-	10	20	120	0
1,2-Dichloroethane-d4	0.271	0.254	-	6.3	20	124	0
1,2-Dichloroethane	0.364	0.374	-	-2.7	20	133	0
Methyl cyclohexane	0.507	0.449	-	11.4	20	118	0
Trichloroethene	0.306	0.305	-	0.3	20	121	0
Dibromomethane	0.191	0.161	-	15.7	20	112	0

* Value outside of QC limits.



Reviewer Comment: Qualification of several analytes as estimate or non-detect estimate "J/UJ" values within associated sample MW-2 NESTED (23). Not all compounds may be present in the sample.

Calibration Verification Summary Form 7 Volatiles

Client : LaBella Associates
Project Name : Warburton Dry Cleaners Site
Instrument ID : VOA110
Lab File ID : V10250330A01
Sample No : WG2047532-2
Channel :

Lab Number : L2516110
Project Number : 2221378
Calibration Date : 03/30/25 11:19
Init. Calib. Date(s) : 01/22/25 01/22/25
Init. Calib. Times : 02:17 07:14

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	94	0
Dichlorodifluoromethane	0.227	0.237	-	-4.4	20	102	0
Chloromethane	0.255	0.278	-	-9	20	111	0
Vinyl chloride	0.244	0.254	-	-4.1	20	102	0
Bromomethane	0.128	0.162	-	-26.6*	20	125	0
Chloroethane	0.163	0.154	-	5.5	20	99	0
Trichlorofluoromethane	0.306	0.304	-	0.7	20	98	0
Ethyl ether	0.125	0.117	-	6.4	20	93	0
1,1-Dichloroethene	0.188	0.181	-	3.7	20	96	0
Carbon disulfide	0.682	0.62	-	9.1	20	91	0
Freon-113	0.19	0.192	-	-1.1	20	99	0
Acrolein	0.039	0.042	-	-7.7	20	92	-.01
Methylene chloride	0.236	0.207	-	12.3	20	91	0
Acetone	0.086	0.093	-	-8.1	20	111	0
trans-1,2-Dichloroethene	0.207	0.2	-	3.4	20	96	0
Methyl acetate	0.172	0.204	-	-18.6	20	119	0
Methyl tert-butyl ether	0.64	0.651	-	-1.7	20	95	0
tert-Butyl alcohol	0.035	0.036	-	-2.9	20	87	0
Diisopropyl ether	0.733	0.802	-	-9.4	20	102	-.01
1,1-Dichloroethane	0.385	0.392	-	-1.8	20	98	0
Halothane	0.159	0.166	-	-4.4	20	101	0
Acrylonitrile	0.073	0.083	-	-13.7	20	111	0
Ethyl tert-butyl ether	0.704	0.691	-	1.8	20	90	0
Vinyl acetate	0.523	0.61	-	-16.6	20	105	0
cis-1,2-Dichloroethene	0.231	0.235	-	-1.7	20	97	0
2,2-Dichloropropane	0.332	0.325	-	2.1	20	96	0
Bromochloromethane	0.118	0.123	-	-4.2	20	99	0
Cyclohexane	0.38	0.374	-	1.6	20	96	0
Chloroform	0.379	0.374	-	1.3	20	95	0
Ethyl acetate	0.24	0.285	-	-18.7	20	109	0
Carbon tetrachloride	0.286	0.289	-	-1	20	98	0
Tetrahydrofuran	0.081	0.084	-	-3.7	20	108	0
Dibromofluoromethane	0.258	0.255	-	1.2	20	94	0
1,1,1-Trichloroethane	0.322	0.324	-	-0.6	20	96	-.01
2-Butanone	0.11	0.146	-	-32.7*	20	126	0
1,1-Dichloropropene	0.255	0.264	-	-3.5	20	97	0
Benzene	0.813	0.817	-	-0.5	20	93	0
tert-Amyl methyl ether	0.637	0.616	-	3.3	20	90	0
1,2-Dichloroethane-d4	0.293	0.275	-	6.1	20	90	0
1,2-Dichloroethane	0.302	0.299	-	1	20	94	0
Methyl cyclohexane	0.373	0.372	-	0.3	20	93	-.01
Trichloroethene	0.212	0.227	-	-7.1	20	103	0
Dibromomethane	0.136	0.141	-	-3.7	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners Site
 Instrument ID : VOA110
 Lab File ID : V10250330A01
 Sample No : WG2047532-2
 Channel :

Lab Number : L2516110
 Project Number : 2221378
 Calibration Date : 03/30/25 11:19
 Init. Calib. Date(s) : 01/22/25 01/22/25
 Init. Calib. Times : 02:17 07:14

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.216	0.213	-	1.4	20	92	0
Bromodichloromethane	0.305	0.29*	-	4.9	20	88	0
1,4-Dioxane	0.00224	0.00247*	-	-10.3	20	92	-.01
cis-1,3-Dichloropropene	0.343	0.362	-	-5.5	20	93	0
Chlorobenzene-d5	1	1	-	0	20	95	0
Toluene-d8	1.331	1.288	-	3.2	20	92	0
Toluene	0.702	0.701	-	0.1	20	97	0
4-Methyl-2-pentanone	0.114	0.119	-	-4.4	20	89	0
Tetrachloroethene	0.281	0.345	-	-22.8*	20	118	0
trans-1,3-Dichloropropene	0.411	0.433	-	-5.4	20	93	0
Ethyl methacrylate	0.349	0.348	-	0.3	20	87	0
1,1,2-Trichloroethane	0.21	0.214	-	-1.9	20	91	0
Chlorodibromomethane	0.3	0.309	-	-3	20	89	0
1,3-Dichloropropane	0.429	0.443	-	-3.3	20	94	0
1,2-Dibromoethane	0.246	0.277	-	-12.6	20	100	0
2-Hexanone	0.238	0.245	-	-2.9	20	89	0
Chlorobenzene	0.799	0.833	-	-4.3	20	95	0
Ethylbenzene	1.338	1.326	-	0.9	20	93	0
1,1,1,2-Tetrachloroethane	0.294	0.312	-	-6.1	20	93	0
p/m Xylene	0.512	0.537	-	-4.9	20	96	0
o Xylene	0.518	0.528	-	-1.9	20	92	-.01
Styrene	0.9	0.929	-	-3.2	20	90	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	101	0
Bromoform	0.37	0.374	-	-1.1	20	89	0
Isopropylbenzene	2.325	2.229	-	4.1	20	93	0
4-Bromofluorobenzene	0.846	0.759	-	10.3	20	92	0
Bromobenzene	0.614	0.671	-	-9.3	20	102	0
n-Propylbenzene	2.692	2.664	-	1	20	97	0
1,4-Dichlorobutane	0.843	0.76	-	9.8	20	85	0
1,1,2,2-Tetrachloroethane	0.638	0.627	-	1.7	20	85	0
4-Ethyltoluene	2.309	2.341	-	-1.4	20	97	0
2-Chlorotoluene	1.629	1.52	-	6.7	20	89	0
1,3,5-Trimethylbenzene	2.014	1.982	-	1.6	20	95	0
1,2,3-Trichloropropane	0.511	0.505	-	1.2	20	90	0
trans-1,4-Dichloro-2-buten	0.218	0.213	-	2.3	20	87	0
4-Chlorotoluene	1.702	1.624	-	4.6	20	91	0
tert-Butylbenzene	1.764	1.729	-	2	20	98	0
1,2,4-Trimethylbenzene	1.984	1.951	-	1.7	20	97	0
sec-Butylbenzene	2.558	2.612	-	-2.1	20	101	0
p-Isopropyltoluene	2.252	2.279	-	-1.2	20	95	0
1,3-Dichlorobenzene	1.183	1.272	-	-7.5	20	99	0
1,4-Dichlorobenzene	1.212	1.304	-	-7.6	20	99	0
p-Diethylbenzene	1.349	1.374	-	-1.9	20	96	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : LaBella Associates	Lab Number : L2516110
Project Name : Warburton Dry Cleaners Site	Project Number : 2221378
Instrument ID : VOA110	Calibration Date : 03/30/25 11:19
Lab File ID : V10250330A01	Init. Calib. Date(s) : 01/22/25 01/22/25
Sample No : WG2047532-2	Init. Calib. Times : 02:17 07:14
Channel :	

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.877	1.934	-	-3	20	98	0
1,2-Dichlorobenzene	1.143	1.223	-	-7	20	96	0
1,2,4,5-Tetramethylbenzene	2.158	2.169	-	-0.5	20	93	0
1,2-Dibromo-3-chloropropan	0.12	0.126	-	-5	20	92	0
1,3,5-Trichlorobenzene	0.856	1.017	-	-18.8	20	113	0
Hexachlorobutadiene	0.398	0.468	-	-17.6	20	112	0
1,2,4-Trichlorobenzene	0.787	0.952	-	-21*	20	111	0
Naphthalene	2.21	2.247	-	-1.7	20	92	0
1,2,3-Trichlorobenzene	0.782	0.895	-	-14.5	20	105	0

* Value outside of QC limits.



Reviewer Comment: Qualification of several analytes as estimate or non-detect estimate "J/UJ" values within associated sample MW-2 NESTED (59) High. Not all compounds may be present in the sample.

Calibration Verification Summary Form 7 Volatiles

Client : LaBella Associates
Project Name : Warburton Dry Cleaners Site
Instrument ID : VOA100
Lab File ID : V00250401A01
Sample No : WG2048117-2
Channel :

Lab Number : L2516110
Project Number : 2221378
Calibration Date : 04/01/25 07:53
Init. Calib. Date(s) : 03/18/25 03/18/25
Init. Calib. Times : 18:03 22:49

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	118	0
Dichlorodifluoromethane	0.357	0.252	-	29.4*	20	85	0
Chloromethane	0.368	0.331	-	10.1	20	110	-.02
Vinyl chloride	0.396	0.3	-	24.2*	20	89	0
Bromomethane	0.304	0.191	-	37.2*	20	85	0
Chloroethane	0.284	0.198	-	30.3*	20	82	0
Trichlorofluoromethane	0.487	0.352	-	27.7*	20	90	0
Ethyl ether	0.142	0.123	-	13.4	20	101	0
1,1-Dichloroethene	0.271	0.22	-	18.8	20	94	0
Carbon disulfide	40	31.953	-	20.1*	20	96	0
Freon-113	0.287	0.229	-	20.2*	20	92	0
Acrolein	0.036	0.032	-	11.1	20	105	0
Methylene chloride	0.327	0.27	-	17.4	20	104	0
Acetone	0.071	0.074	-	-4.2	20	140	0
trans-1,2-Dichloroethene	0.313	0.259	-	17.3	20	99	0
Methyl acetate	0.148	0.139	-	6.1	20	113	0
Methyl tert-butyl ether	0.762	0.662	-	13.1	20	101	0
tert-Butyl alcohol	0.025	0.021	-	16	20	94	0
Diisopropyl ether	0.948	0.949	-	-0.1	20	117	0
1,1-Dichloroethane	0.569	0.501	-	12	20	105	0
Halothane	0.233	0.19	-	18.5	20	95	0
Acrylonitrile	0.071	0.068	-	4.2	20	105	0
Ethyl tert-butyl ether	0.916	0.849	-	7.3	20	107	0
Vinyl acetate	0.631	0.622	-	1.4	20	112	0
cis-1,2-Dichloroethene	0.351	0.285	-	18.8	20	98	0
2,2-Dichloropropane	0.452	0.392	-	13.3	20	101	0
Bromochloromethane	0.168	0.138	-	17.9	20	96	0
Cyclohexane	0.536	0.47	-	12.3	20	102	0
Chloroform	0.577	0.481	-	16.6	20	99	0
Ethyl acetate	0.233	0.209	-	10.3	20	106	0
Carbon tetrachloride	0.437	0.349	-	20.1*	20	91	0
Tetrahydrofuran	0.07	0.062	-	11.4	20	112	0
Dibromofluoromethane	0.278	0.261	-	6.1	20	109	0
1,1,1-Trichloroethane	0.443	0.382	-	13.8	20	94	0
2-Butanone	0.11	0.091	-	17.3	20	110	0
1,1-Dichloropropene	40	32.788	-	18	20	97	0
Benzene	1.161	1.002	-	13.7	20	100	0
tert-Amyl methyl ether	0.79	0.675	-	14.6	20	98	0
1,2-Dichloroethane-d4	0.264	0.261	-	1.1	20	116	0
1,2-Dichloroethane	0.402	0.348	-	13.4	20	103	0
Methyl cyclohexane	0.574	0.425	-	26*	20	91	0
Trichloroethene	0.308	0.262	-	14.9	20	96	0
Dibromomethane	0.182	0.15	-	17.6	20	94	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners Site
 Instrument ID : VOA100
 Lab File ID : V00250401A01
 Sample No : WG2048117-2
 Channel :

Lab Number : L2516110
 Project Number : 2221378
 Calibration Date : 04/01/25 07:53
 Init. Calib. Date(s) : 03/18/25 03/18/25
 Init. Calib. Times : 18:03 22:49

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.318	0.28	-	11.9	20	103	0
Bromodichloromethane	0.414	0.359	-	13.3	20	97	0
1,4-Dioxane	0.00228	0.00178*	-	21.9*	20	85	0
cis-1,3-Dichloropropene	0.472	0.427	-	9.5	20	100	0
Chlorobenzene-d5	1	1	-	0	20	110	0
Toluene-d8	1.25	1.296	-	-3.7	20	113	0
Toluene	0.928	0.79	-	14.9	20	95	0
4-Methyl-2-pentanone	0.099	0.09	-	9.1	20	94	0
Tetrachloroethene	0.409	0.352	-	13.9	20	87	0
trans-1,3-Dichloropropene	0.503	0.477	-	5.2	20	98	0
Ethyl methacrylate	0.338	0.311	-	8	20	91	0
1,1,2-Trichloroethane	0.249	0.224	-	10	20	96	0
Chlorodibromomethane	0.381	0.34	-	10.8	20	90	0
1,3-Dichloropropane	0.499	0.46	-	7.8	20	97	0
1,2-Dibromoethane	0.291	0.265	-	8.9	20	91	0
2-Hexanone	0.173	0.163	-	5.8	20	97	0
Chlorobenzene	1.086	0.929	-	14.5	20	92	0
Ethylbenzene	1.811	1.558	-	14	20	92	0
1,1,1,2-Tetrachloroethane	0.389	0.339	-	12.9	20	87	0
p/m Xylene	0.684	0.616	-	9.9	20	91	0
o Xylene	0.687	0.607	-	11.6	20	88	0
Styrene	1.115	0.985	-	11.7	20	84	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	99	0
Bromoform	0.446	0.372	-	16.6	20	76	0
Isopropylbenzene	3.155	2.85	-	9.7	20	86	0
4-Bromofluorobenzene	0.816	0.837	-	-2.6	20	103	0
Bromobenzene	0.861	0.719	-	16.5	20	84	0
n-Propylbenzene	3.579	3.347	-	6.5	20	87	0
1,4-Dichlorobutane	0.907	0.86	-	5.2	20	92	0
1,1,2,2-Tetrachloroethane	0.668	0.607	-	9.1	20	86	0
4-Ethyltoluene	3.082	2.846	-	7.7	20	87	0
2-Chlorotoluene	2.214	1.994	-	9.9	20	87	0
1,3,5-Trimethylbenzene	2.647	2.411	-	8.9	20	86	0
1,2,3-Trichloropropane	0.522	0.468	-	10.3	20	84	0
trans-1,4-Dichloro-2-buten	0.195	0.189	-	3.1	20	89	0
4-Chlorotoluene	2.251	2.079	-	7.6	20	88	0
tert-Butylbenzene	2.303	2.045	-	11.2	20	84	0
1,2,4-Trimethylbenzene	2.602	2.382	-	8.5	20	87	0
sec-Butylbenzene	3.398	3.064	-	9.8	20	82	0
p-Isopropyltoluene	2.906	2.625	-	9.7	20	83	0
1,3-Dichlorobenzene	1.633	1.431	-	12.4	20	85	0
1,4-Dichlorobenzene	1.651	1.447	-	12.4	20	86	0
p-Diethylbenzene	1.712	1.576	-	7.9	20	85	0

* Value outside of QC limits.



Reviewer Comment: Qualification of several analytes as estimate or non-detect estimate "J/UJ" values is due to %D results outside laboratory limit within associated continuous calibration file V10250330A01 on instrument VOA110.

Results Summary Form 1 Volatile Organics by EPA 5035

Client : LaBella Associates
Project Name : Warburton Dry Cleaners Site
Lab ID : L2516110-01
Client ID : MW-2 NESTED (23)
Sample Location : Yonkers, NY
Sample Matrix : Soil
Analytical Method : 1,8260D
Lab File ID : V10250330A17
Sample Amount : 5.8 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L2516110
Project Number : 2221378
Date Collected : 03/19/25 11:00
Date Received : 03/19/25
Date Analyzed : 03/30/25 18:31
Dilution Factor : 1
Analyst : AJK
Instrument ID : VOA110
GC Column : RTX-VMS
%Solids : 95
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	4.5	2.1	U
75-34-3	1,1-Dichloroethane	ND	0.90	0.13	U
67-66-3	Chloroform	ND	1.4	0.13	U
56-23-5	Carbon tetrachloride	ND	0.90	0.21	U
78-87-5	1,2-Dichloropropane	ND	0.90	0.11	U
124-48-1	Dibromochloromethane	ND	0.90	0.13	U
79-00-5	1,1,2-Trichloroethane	ND	0.90	0.24	U
127-18-4	Tetrachloroethene	3.0	0.45	0.18	J
108-90-7	Chlorobenzene	ND	0.45	0.11	U
75-69-4	Trichlorofluoromethane	ND	3.6	0.62	U
107-06-2	1,2-Dichloroethane	ND	0.90	0.23	U
71-55-6	1,1,1-Trichloroethane	ND	0.45	0.15	U
75-27-4	Bromodichloromethane	ND	0.45	0.10	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.90	0.24	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.45	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.45	0.14	U
563-58-6	1,1-Dichloropropene	ND	0.45	0.14	U
75-25-2	Bromoform	ND	3.6	0.22	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.45	0.15	U
71-43-2	Benzene	4.9	0.45	0.15	
108-88-3	Toluene	29	0.90	0.49	
100-41-4	Ethylbenzene	15	0.90	0.13	
74-87-3	Chloromethane	ND	3.6	0.84	U
74-83-9	Bromomethane	ND	1.8	0.52	U
75-01-4	Vinyl chloride	ND	0.90	0.30	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners Site
 Lab ID : L2516110-01
 Client ID : MW-2 NESTED (23)
 Sample Location : Yonkers, NY
 Sample Matrix : Soil
 Analytical Method : 1,8260D
 Lab File ID : V10250330A17
 Sample Amount : 5.8 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2516110
 Project Number : 2221378
 Date Collected : 03/19/25 11:00
 Date Received : 03/19/25
 Date Analyzed : 03/30/25 18:31
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : VOA110
 GC Column : RTX-VMS
 %Solids : 95
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	1.8	0.41	U
75-35-4	1,1-Dichloroethene	ND	0.90	0.21	U
156-60-5	trans-1,2-Dichloroethene	ND	1.4	0.12	U
79-01-6	Trichloroethene	ND	0.45	0.12	U
95-50-1	1,2-Dichlorobenzene	ND	1.8	0.13	U
541-73-1	1,3-Dichlorobenzene	ND	1.8	0.13	U
106-46-7	1,4-Dichlorobenzene	ND	1.8	0.15	U
1634-04-4	Methyl tert butyl ether	ND	1.8	0.18	U
179601-23-1	p/m-Xylene	12	1.8	0.50	
95-47-6	o-Xylene	15	0.90	0.26	
1330-20-7	Xylenes, Total	27	0.90	0.26	
156-59-2	cis-1,2-Dichloroethene	ND	0.90	0.16	U
540-59-0	1,2-Dichloroethene, Total	ND	0.90	0.12	U
74-95-3	Dibromomethane	ND	1.8	0.21	U
100-42-5	Styrene	2.0	0.90	0.18	
75-71-8	Dichlorodifluoromethane	ND	9.0	0.82	U
67-64-1	Acetone	200	9.0	4.3	
75-15-0	Carbon disulfide	ND	9.0	4.1	U
78-93-3	2-Butanone	130	9.0	2.0	J
108-05-4	Vinyl acetate	ND	9.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	9.0	1.2	U
96-18-4	1,2,3-Trichloropropane	ND	1.8	0.11	U
591-78-6	2-Hexanone	37	9.0	1.1	
74-97-5	Bromochloromethane	ND	1.8	0.18	U
594-20-7	2,2-Dichloropropane	ND	1.8	0.18	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners Site
 Lab ID : L2516110-01
 Client ID : MW-2 NESTED (23)
 Sample Location : YONKERS, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V10250330A17
 Sample Amount : 5.8 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2516110
 Project Number : 2221378
 Date Collected : 03/19/25 11:00
 Date Received : 03/19/25
 Date Analyzed : 03/30/25 18:31
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : VOA110
 GC Column : RTX-VMS
 %Solids : 95
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-93-4	1,2-Dibromoethane	ND	0.90	0.25	U
142-28-9	1,3-Dichloropropane	ND	1.8	0.15	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.45	0.12	U
108-86-1	Bromobenzene	ND	1.8	0.13	U
104-51-8	n-Butylbenzene	8.9	0.90	0.15	
135-98-8	sec-Butylbenzene	0.48	0.90	0.13	J
98-06-6	tert-Butylbenzene	ND	1.8	0.11	U
95-49-8	o-Chlorotoluene	ND	1.8	0.17	U
106-43-4	p-Chlorotoluene	ND	1.8	0.10	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.7	0.90	U
87-68-3	Hexachlorobutadiene	ND	3.6	0.15	U
98-82-8	Isopropylbenzene	1.0	0.90	0.10	
99-87-6	p-Isopropyltoluene	0.44	0.90	0.10	J
91-20-3	Naphthalene	14	3.6	0.58	
107-13-1	Acrylonitrile	ND	3.6	1.0	U
103-65-1	n-Propylbenzene	8.6	0.90	0.15	
87-61-6	1,2,3-Trichlorobenzene	ND	1.8	0.29	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.8	0.24	U J
108-67-8	1,3,5-Trimethylbenzene	0.98	1.8	0.17	J
95-63-6	1,2,4-Trimethylbenzene	7.2	1.8	0.30	
123-91-1	1,4-Dioxane	ND	72	32.	U
105-05-5	p-Diethylbenzene	0.61	1.8	0.16	J
622-96-8	p-Ethyltoluene	15	1.8	0.34	
95-93-2	1,2,4,5-Tetramethylbenzene	0.52	1.8	0.17	J
60-29-7	Ethyl ether	ND	1.8	0.31	U



Reviewer Comment: Qualification of several analytes as estimate or non-detect estimate "J/UJ" values is due to %D results outside laboratory limit within associated continuous calibration file V04250328A01 on instrument VOA104.

Results Summary Form 1 Volatile Organics by EPA 5035

Client : LaBella Associates
Project Name : Warburton Dry Cleaners Site
Lab ID : L2516110-02
Client ID : MW-2 NESTED (59)
Sample Location : Yonkers, NY
Sample Matrix : Soil
Analytical Method : 1,8260D
Lab File ID : V04250328A25
Sample Amount : 5.1 g
Level : Low
Extract Volume (MeOH) : N/A

Lab Number : L2516110
Project Number : 2221378
Date Collected : 03/19/25 14:10
Date Received : 03/19/25
Date Analyzed : 03/28/25 21:56
Dilution Factor : 1
Analyst : JIC
Instrument ID : VOA104
GC Column : RTX-VMS
%Solids : 100
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	0.72	2.0	0.44	J
75-35-4	1,1-Dichloroethene	ND	0.98	0.23	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.13	U
79-01-6	Trichloroethene	ND	0.49	0.13	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.14	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.55	U
95-47-6	o-Xylene	0.50	0.98	0.28	J
1330-20-7	Xylenes, Total	0.50	0.98	0.28	J
156-59-2	cis-1,2-Dichloroethene	ND	0.98	0.17	U
540-59-0	1,2-Dichloroethene, Total	ND	0.98	0.13	U
74-95-3	Dibromomethane	ND	2.0	0.23	U
100-42-5	Styrene	0.42	0.98	0.19	J
75-71-8	Dichlorodifluoromethane	ND	9.8	0.90	U
67-64-1	Acetone	ND	9.8	4.7	U
75-15-0	Carbon disulfide	ND	9.8	4.5	U
78-93-3	2-Butanone	ND	9.8	2.2	U J
108-05-4	Vinyl acetate	ND	9.8	2.1	U J
108-10-1	4-Methyl-2-pentanone	ND	9.8	1.2	U
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.12	U
591-78-6	2-Hexanone	ND	9.8	1.2	U
74-97-5	Bromochloromethane	2.6	2.0	0.20	
594-20-7	2,2-Dichloropropane	ND	2.0	0.20	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners Site
 Lab ID : L2516110-02
 Client ID : MW-2 NESTED (59)
 Sample Location : Yonkers, NY
 Sample Matrix : Soil
 Analytical Method : 1,8260D
 Lab File ID : V04250328A25
 Sample Amount : 5.1 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2516110
 Project Number : 2221378
 Date Collected : 03/19/25 14:10
 Date Received : 03/19/25
 Date Analyzed : 03/28/25 21:56
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA104
 GC Column : RTX-VMS
 %Solids : 100
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-93-4	1,2-Dibromoethane	ND	0.98	0.27	U
142-28-9	1,3-Dichloropropane	ND	2.0	0.16	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.49	0.13	U
108-86-1	Bromobenzene	ND	2.0	0.14	U
104-51-8	n-Butylbenzene	ND	0.98	0.16	U
135-98-8	sec-Butylbenzene	ND	0.98	0.14	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
95-49-8	o-Chlorotoluene	ND	2.0	0.19	U
106-43-4	p-Chlorotoluene	ND	2.0	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.9	0.98	U
87-68-3	Hexachlorobutadiene	ND	3.9	0.17	U
98-82-8	Isopropylbenzene	ND	0.98	0.11	U
99-87-6	p-Isopropyltoluene	1.3	0.98	0.11	
91-20-3	Naphthalene	ND	3.9	0.64	U
107-13-1	Acrylonitrile	ND	3.9	1.1	U J
103-65-1	n-Propylbenzene	ND	0.98	0.17	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.32	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.27	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	78	34.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.17	U
622-96-8	p-Ethyltoluene	ND	2.0	0.38	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.19	U
60-29-7	Ethyl ether	ND	2.0	0.33	U



Reviewer Comment: Qualification of several analytes as estimate or non-detect estimate "J/UJ" values is due to %D results outside laboratory limit within associated continuous calibration file V00250401A01 in instrument VOA100.

Results Summary Form 1 Volatile Organics by EPA 5035 High

Client : LaBella Associates
Project Name : Warburton Dry Cleaners Site
Lab ID : L2516110-02
Client ID : MW-2 NESTED (59)
Sample Location : Yonkers, NY
Sample Matrix : Soil
Analytical Method : 1,8260D
Lab File ID : V00250401A07
Sample Amount : 3.8 g
Level : High
Extract Volume (MeOH) : 5 ml

Lab Number : L2516110
Project Number : 2221378
Date Collected : 03/19/25 14:10
Date Received : 03/19/25
Date Analyzed : 04/01/25 10:33
Dilution Factor : 1
Analyst : AJK
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 100
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	14000	330	150	
75-34-3	1,1-Dichloroethane	ND	66	9.6	U
67-66-3	Chloroform	ND	99	9.3	U
56-23-5	Carbon tetrachloride	ND	66	15.	U
78-87-5	1,2-Dichloropropane	ND	66	8.3	U
124-48-1	Dibromochloromethane	ND	66	9.3	U
79-00-5	1,1,2-Trichloroethane	ND	66	18.	U
127-18-4	Tetrachloroethene	48	33	13.	
108-90-7	Chlorobenzene	ND	33	8.4	U
75-69-4	Trichlorofluoromethane	ND	260	46.	U J
107-06-2	1,2-Dichloroethane	ND	66	17.	U
71-55-6	1,1,1-Trichloroethane	ND	33	11.	U
75-27-4	Bromodichloromethane	ND	33	7.2	U
10061-02-6	trans-1,3-Dichloropropene	ND	66	18.	U
10061-01-5	cis-1,3-Dichloropropene	ND	33	10.	U
542-75-6	1,3-Dichloropropene, Total	ND	33	10.	U
563-58-6	1,1-Dichloropropene	ND	33	10.	U
75-25-2	Bromoform	ND	260	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	33	11.	U
71-43-2	Benzene	ND	33	11.	U
108-88-3	Toluene	ND	66	36.	U
100-41-4	Ethylbenzene	ND	66	9.4	U
74-87-3	Chloromethane	ND	260	62.	U
74-83-9	Bromomethane	ND	130	38.	U J
75-01-4	Vinyl chloride	ND	66	22.	U



Results Summary

Form 1

Volatile Organics by EPA 5035 High

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners Site
 Lab ID : L2516110-02
 Client ID : MW-2 NESTED (59)
 Sample Location : Yonkers, NY
 Sample Matrix : Soil
 Analytical Method : 1,8260D
 Lab File ID : V00250401A07
 Sample Amount : 3.8 g
 Level : HIGH
 Extract Volume (MeOH) : 5 ml

Lab Number : L2516110
 Project Number : 2221378
 Date Collected : 03/19/25 14:10
 Date Received : 03/19/25
 Date Analyzed : 04/01/25 10:33
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 100
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	130	30.	U ^J
75-35-4	1,1-Dichloroethene	ND	66	16.	U
156-60-5	trans-1,2-Dichloroethene	ND	99	9.1	U
79-01-6	Trichloroethene	ND	33	9.1	U
95-50-1	1,2-Dichlorobenzene	ND	130	9.5	U
541-73-1	1,3-Dichlorobenzene	ND	130	9.8	U
106-46-7	1,4-Dichlorobenzene	ND	130	11.	U
1634-04-4	Methyl tert butyl ether	ND	130	13.	U
179601-23-1	p/m-Xylene	ND	130	37.	U
95-47-6	o-Xylene	ND	66	19.	U
1330-20-7	Xylenes, Total	ND	66	19.	U
156-59-2	cis-1,2-Dichloroethene	ND	66	12.	U
540-59-0	1,2-Dichloroethene, Total	ND	66	9.1	U
74-95-3	Dibromomethane	ND	130	16.	U
100-42-5	Styrene	ND	66	13.	U
75-71-8	Dichlorodifluoromethane	ND	660	61.	U ^J
67-64-1	Acetone	740	660	320	
75-15-0	Carbon disulfide	ND	660	300	U ^J
78-93-3	2-Butanone	ND	660	150	U
108-05-4	Vinyl acetate	ND	660	140	U
108-10-1	4-Methyl-2-pentanone	ND	660	85.	U
96-18-4	1,2,3-Trichloropropane	ND	130	8.4	U
591-78-6	2-Hexanone	ND	660	78.	U
74-97-5	Bromochloromethane	ND	130	14.	U
594-20-7	2,2-Dichloropropane	ND	130	13.	U



Results Summary

Form 1

Volatile Organics by EPA 5035 High

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners Site
 Lab ID : L2516110-02
 Client ID : MW-2 NESTED (59)
 Sample Location : YONKERS, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V00250401A07
 Sample Amount : 3.8 g
 Level : HIGH
 Extract Volume (MeOH) : 5 ml

Lab Number : L2516110
 Project Number : 2221378
 Date Collected : 03/19/25 14:10
 Date Received : 03/19/25
 Date Analyzed : 04/01/25 10:33
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 100
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-93-4	1,2-Dibromoethane	ND	66	18.	U
142-28-9	1,3-Dichloropropane	ND	130	11.	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	33	8.8	U
108-86-1	Bromobenzene	ND	130	9.6	U
104-51-8	n-Butylbenzene	ND	66	11.	U
135-98-8	sec-Butylbenzene	ND	66	9.7	U
98-06-6	tert-Butylbenzene	ND	130	7.8	U
95-49-8	o-Chlorotoluene	ND	130	13.	U
106-43-4	p-Chlorotoluene	ND	130	7.2	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	200	66.	U
87-68-3	Hexachlorobutadiene	ND	260	11.	U
98-82-8	Isopropylbenzene	ND	66	7.2	U
99-87-6	p-Isopropyltoluene	ND	66	7.2	U
91-20-3	Naphthalene	ND	260	43.	U
107-13-1	Acrylonitrile	ND	260	76.	U
103-65-1	n-Propylbenzene	ND	66	11.	U
87-61-6	1,2,3-Trichlorobenzene	ND	130	21.	U
120-82-1	1,2,4-Trichlorobenzene	ND	130	18.	U
108-67-8	1,3,5-Trimethylbenzene	ND	130	13.	U
95-63-6	1,2,4-Trimethylbenzene	ND	130	22.	U
123-91-1	1,4-Dioxane	ND	5300	2300	U J
105-05-5	p-Diethylbenzene	ND	130	12.	U
622-96-8	p-Ethyltoluene	ND	130	25.	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	130	13.	U
60-29-7	Ethyl ether	ND	130	23.	U





To: Wilson Corella
Labella Associates DPC
45 Main Street, Suite 1018
Brooklyn, NY 11201

Date: 05/16/2025

Subject: Warburton Dry Cleaners, Yonker, NY - Data Usability Summary Report

The Following Items Transmitted:
Data Package:

Originals	Description of Materials	Electronic/ Hard Copy
1	L2516543_NYSDEC_CatB_Package_Mini_Final Report.pdf	Electronic
1	L2516543_EquNysdec.xls	Electronic

Signature:

Tracey Evans
Chemist
evans@enviro-asmnt.com
Environmental Assessment & Remediations
225 Atlantic Avenue
Patchogue, New York 11772
631-447-6400 ext.124



Warburton Dry Cleaners, Yonker, NY, Data Usability Summary Report for March 20, 2025, Soil Samples

Client: Labella Associates DPC

Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)

Location: Warburton Dry Cleaners, Yonker, NY

Project Number: 2221378

Lab Job ID: L2516543				
			Method Evaluated	
Lab ID	Field ID	Collection Date	Matrix	8260D
L25165430-01	MW-2 NESTED (97)	3/20/2025	soil	x

Laboratory report reviewed under:

- USEPA Contract Laboratory Program National Functional Guidance for Super Organic Methods Data Review, EPA 540-R-20-005 (January 2020).
- VOA Standard Operation for the Validation of Volatile Data, QA-HWSS-A-004 (March 2022).
- Professional judgment.

Criteria for Data Usability Summary Report

Completeness:

A complete data package is one that has all relevant and related material packaged for distribution to its client in accordance with the Analytical Service Protocol (ASP) Category B Deliverables guidelines.

Compliant:

A compliant data package is one that is determined to have all work that pertains to the production of the laboratory data in a manner that is consistent with the Quality Assurance Program Plan.

Overall Usability Issues

Data validation completed in accordance with the New York State Department of Environmental Conservation Analytical Service Protocol (NYSDEC ASP) Category B Data Deliverable requirements and reviewer's professional judgment.

This analytical report complies with the following points:

1. Holding Time and Analysis Time
2. Sample Analysis and Quality Control.



In conclusion, the data reviewed in this report is usable and passes all stated criteria for compliance of method 8260D. Percent solid was examined under metho SM 2540G which was also reviewed and found also usable and passes all stated criteria for compliance.

Data Completeness

- A complete Category B data package under the NYSDEC ASP has been reported.



Data Validation Acronyms

AA	Atomic Absorption, Flame Technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene (Tune check analyte)
CCC	Continuing Calibration Check
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
CVAA	Atomic Absorption, Cold Vapor
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine (Tune check analyte)
DL	Detection Limit
ECD	Electron Capture Detector
FAA	Atomic Absorption, Furnace Technique
FID	Flame Ionization Detector
FNP	1-Fluoronaphthalene
GC	Gas Chromatography
GC/MS	Gas Chromatography/ Mass Spectrometry
GPC	Gel Permeation Chromatography
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma – Atomic Emission Spectrometer
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ICAL	Initial Calibration Curve
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LCS/LCSD	Laboratory Control Sample/ Laboratory Control Sample Duplicate
MB	Method Blank
MS	Matrix Spike
BNAMS11	Method of Standard Additions
MSD	Matrix Spike Duplicate
MS/MSD	Matrix Spike/ Matrix Spike Duplicate
ND	Non-detected or Not Detected
PID	Photo Ionization Detector



Data Validation Acronyms

PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
PQL	Practical Quantitation Limit
QA	Quality Assurance
QA/QC	Quality Assurance/ Quality Control
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RL	Reporting Limit
RRF	Relative Response Factor
RT	Retention Time
RRT	Relative Retention Time
SDG	Sample Delivery Group
SMC	System Monitoring Compounds/ Surrogates
SPCC	Sample Performance Check Compound
TCX	Tetrachloro-m-xylene
%D	Percent Drift
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation



Data Validation Qualifiers

U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may bias high.
J-	The result is an estimated quantity, but the result may bias low.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data is unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

Note:

1. These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.
2. The EDDs are assigned these data validation qualifiers and refer to the valid value list supplied by the specific agency or informational data system.

Client: Labella Associates DPC
Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)
Location: Warburton Dry Cleaners, Yonker , NY
Project Number: 2221378



Method Review: 8260D

Lab Job ID: L2516543

Lab ID	Field ID	Collection Date	Matrix
L25165430-01	MW-2 NESTED (97)	3/20/2025	soil

Reviewer Summary:

Samples were handled and analyzed properly under USEPA Contract Laboratory Program National Functional Guidance for Super Organic Methods Data and QA-HWSS-A-004 VOA Standard Operation for the Validation of Volatile Data.

- Within continuous calibration (files V103250328N15) several compounds were outside of %D criteria leading to qualification of compounds as estimate or non-detect estimate "J/UJ" values within sample. Data was qualified within category B criterion and is usable.

Client: Labella Associates DPC
Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)
Location: Warburton Dry Cleaners, Yonker, NY
Project Number: 2221378
Job ID: L2516543



Method 8260D

Criteria	Y	N	NA	Comment
A. Sample Receipt				
Technical Hold Time of 7 days not preserved or 14 days preserved (pH<2)?	x			
Cooling Temp = 4°C ± 2°C	x			
B. GC/MS Instrument Performance Check				
Were BFB performance results within criteria?	x			
Were all samples analyzed within the 12 hour time period?	x			
C. Initial Calibration				
Was a 5 point calibration run?	x			
Was RSD% with in criteria for each target analyte? Was RRF within criteria?	x			
Was curve fit used for evaluation? If yes did the I.C. meet the curve fit acceptability of ≥ 0.990 ?	x			
Was the Initial Calibration Verification (ICV) done after the I.C., were compound recovery within criteria?	x			
D. Continuing Calibration				
Was it done every 12 hours after I.C. to verify it?	x			Within CCV, several compounds were outside of %D criteria leading to qualification of compounds as estimate or non-detect estimate "J/UJ" values within sample. See attachment.
Were (%D) $\leq$ limit and relative respond factors (RRF) within criteria?		x		

Criteria	Y	N	NA	Comment
E. Laboratory Blanks				
Was a lab blank associated with each sample of SDG?	x			
Was blank analyzed every 12 hours?	x			
Were contamination found, if so qualification may be necessary?		x		
subsection : Field Blanks				
Was a field blank associated with each sample of SDG?		x		
Were target compounds detected in it?			x	
F. Surrogate Spikes				
Were surrogate percent recovery (%R) within QC limits?	x			
If the (%R) for one or more surrogates were out of QC, was reanalysis performed to confirm %R?			x	
G. Matrix Spike/Matrix Duplicate				
Were MS and MSD analyzed for SDG?		x		
Was MS/MSD done every 20 samples?			x	
Were MS/MSD (%R) and RPD within QC?			x	
H. Field Duplicate				
Were field duplicates identified in this SDG?		x		
Were target compounds detected in it? Were RSPs less than 50%?			x	

Criteria	Y	N	NA	Comment
subsection: Internal Compounds				
Were counts within 50% to 200% of associated calibration standard?	X			
Were retention times within ± 10 sec of cal. standard?	X			
I. Target Analyte Identification				
Mass spectral ion abundance criteria specified for target analyte?	X			
Target analyte RRT outside specified RRT window	X			
If sample is considered "Solid", is it greater than 30%?	X			
Did the spectrum meet EPA "Functional Guidelines"?	X			
J. Tentative Analyte Identification				
Were analyte results greater than 85% library match?			X	
Were National Functional Guidelines followed for TIC processing?			X	
K. Regional EPA QA/QC				
Were regional protocol of QA/AC protocols used in evaluation data?	X			
L. Overall Assessment of Data				
Was overall assessment of data found to be acceptable?	X			

Comments: Qualification occurred in sample due to continuous calibration failures in laboratory criteria. All data is usable.

Calculation Spot Check

Instrument: VOA123

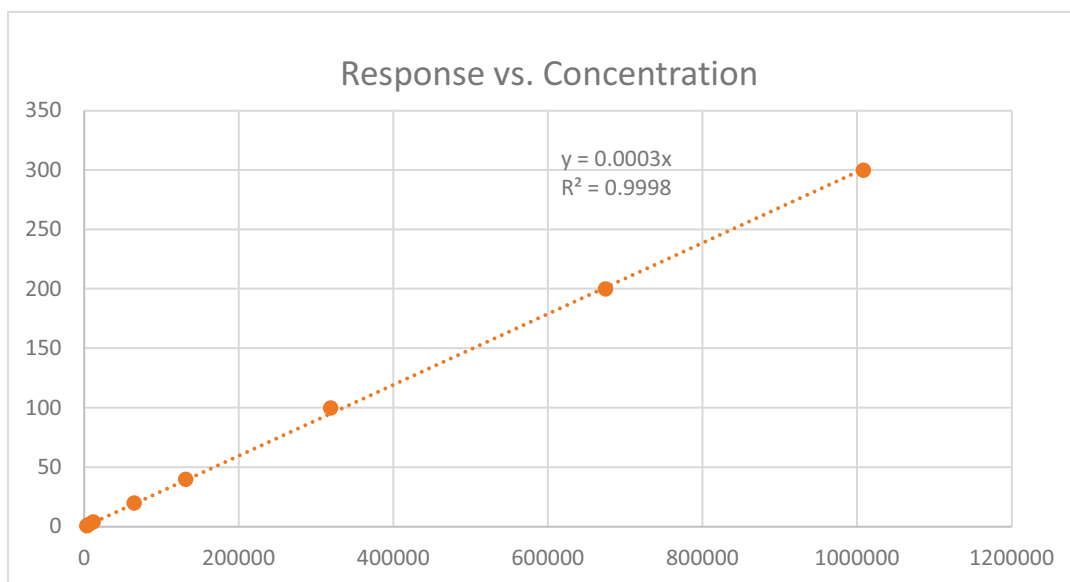
ICV Date and Time: 110/14/2024 20:20

Compound: Chloromethane



Curve Evaluation

	RRF	Response	Concentration
L1	0.299	3455	1
L2	0.267	5752	2
L3	0.295	11783	4
L4	0.285	64808	20
L5	0.287	131226	40
L6	0.294	318748	100
L7	0.285	674379	200
L8	0.262	1008198	300
average	0.284		
RSD	4.66		



Client: Labella Associates DPC
Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)
Location: Warburton Dry Cleaners, Yonker , NY
Project Number: 2221378



Method Review: SM 2540G

Lab Job ID:L2516543

Lab ID	Field ID	Collection Date	Matrix
L2516543-01	MW-2 NESTED (97)	3/20/2025	soil

Reviewer Summary:

Samples were handled and analyzed properly under National Functional Guideline for Organic Superfund Method Data Review.

- Note, sample MW-2 NESTED (59) was missing, thus no data was recorded for total solid percentage.
- Duplicates of samples were run under WG2043694-1 and WG2043694-1 DUP, result is within acceptable quantities for SM 2540G results.

Data is within category B criterion and is usable.

	Original Sample WG2043694-1	Duplicate WG2043694-1 DUP	Relative Percent Difference
Solids, Percent	84.7	86.1	1.64

Client: Labella Associates DPC
Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)
Location: Warburton Dry Cleaners, Yonker, NY
Project Number: 2221378
Job ID: L2516543



Method SM 2540G

Criteria	Y	N	NA	Comment
A. Sample Receipt				
Was sample run during technical hold time of aqueous/TCLP/SPLP samples?	x			
Was sample run during technical hold time soil/sediment/wipe samples?	x			
B. Precision test run				
Was balance checked with duplicate weights for accuracy or some other test run before sample processing.	x			
C. Duplicate Samples				
Was at least one duplicate sample is run per matrix or SDE?	x			Duplicates of samples were run under WG2043694-1 and WG2043694-1 DUP result is within acceptable quantities for SM 2540G results.
Were control limit of 20% Relative Percent Difference between 'original' and duplicate?	x			
Were control limit CRQL of <5X found?	x			
E. Regional EPA QA/QC				
Were regional protocol of QA/QC protocols used in evaluating data?	x			
Did RPD fall within specific limits in EPA region's SOP or project QAPP?	x			
F Overall assessment of data				
Was Overall assessment of data found to be acceptable?	x			

Comments: All results are within Cat. B criterion and usable.

Attachments for Method Review

Reviewer Comment: Qualification of several analytes as estimate or non-detect estimate "J/UJ" values within associated sample MW-2 NESTED (97) . Not all compounds may be present in the sample.

Calibration Verification Summary Form 7 Volatiles

Client : LaBella Associates
Project Name : Warburton Dry Cleaners Site
Instrument ID : VOA123
Lab File ID : V23250328N01
Sample No : WG2047322-2
Channel :

Lab Number : L2516543
Project Number : 2221378
Calibration Date : 03/28/25 19:10
Init. Calib. Date(s) : 10/14/24 10/15/24
Init. Calib. Times : 20:20 00:40

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	133	0
Dichlorodifluoromethane	0.249	0.262	-	-5.2	20	129	0
Chloromethane	0.284	0.359	-	-26.4*	20	168	.01
Vinyl chloride	0.289	0.301	-	-4.2	20	132	0
Bromomethane	0.139	0.17	-	-22.3*	20	154	0
Chloroethane	0.158	0.166	-	-5.1	20	121	0
Trichlorofluoromethane	0.387	0.366	-	5.4	20	116	0
Ethyl ether	0.121	0.129	-	-6.6	20	137	0
1,1-Dichloroethene	0.225	0.232	-	-3.1	20	133	0
Carbon disulfide	0.822	0.858	-	-4.4	20	136	0
Freon-113	0.233	0.249	-	-6.9	20	133	0
Acrolein	0.025	0.032	-	-28*	20	167	0
Methylene chloride	0.312	0.27	-	13.5	20	122	0
Acetone	0.06	0.071	-	-18.3	20	169	0
trans-1,2-Dichloroethene	0.266	0.266	-	0	20	129	0
Methyl acetate	0.139	0.152	-	-9.4	20	150	0
Methyl tert-butyl ether	0.669	0.68	-	-1.6	20	133	0
tert-Butyl alcohol	0.019	0.022	-	-15.8	20	150	0
Diisopropyl ether	0.946	1.069	-	-13	20	146	0
1,1-Dichloroethane	0.52	0.527	-	-1.3	20	129	0
Halothane	0.19	0.188	-	1.1	20	127	0
Acrylonitrile	0.058	0.068	-	-17.2	20	150	0
Ethyl tert-butyl ether	0.82	0.896	-	-9.3	20	141	0
Vinyl acetate	0.593	0.616	-	-3.9	20	134	0
cis-1,2-Dichloroethene	0.296	0.286	-	3.4	20	123	0
2,2-Dichloropropane	0.427	0.397	-	7	20	120	0
Bromochloromethane	0.13	0.124	-	4.6	20	121	0
Cyclohexane	0.437	0.554	-	-26.8*	20	165	0
Chloroform	0.529	0.469	-	11.3	20	115	0
Ethyl acetate	0.205	0.221	-	-7.8	20	137	0
Carbon tetrachloride	0.394	0.353	-	10.4	20	113	0
Tetrahydrofuran	0.063	0.067	-	-6.3	20	140	0
Dibromofluoromethane	0.262	0.248	-	5.3	20	126	0
1,1,1-Trichloroethane	0.449	0.402	-	10.5	20	115	0
2-Butanone	0.091	0.092	-	-1.1	20	139	0
1,1-Dichloropropene	0.361	0.344	-	4.7	20	120	0
Benzene	1.088	1.033	-	5.1	20	123	0
tert-Amyl methyl ether	0.669	0.686	-	-2.5	20	134	0
1,2-Dichloroethane-d4	0.285	0.251	-	11.9	20	120	0
1,2-Dichloroethane	0.394	0.336	-	14.7	20	111	0
Methyl cyclohexane	0.434	0.464	-	-6.9	20	133	0
Trichloroethene	0.287	0.273	-	4.9	20	121	0
Dibromomethane	0.166	0.14	-	15.7	20	108	0

* Value outside of QC limits.



Reviewer Comment: Qualification of several analytes as estimate or non-detect estimate "J/UJ" values is due to %D results outside laboratory limit within associated continuous calibration file V23250328N15.

Results Summary Form 1 Volatile Organics by EPA 5035

Client : LaBella Associates
Project Name : Warburton Dry Cleaners Site
Lab ID : L2516543-01
Client ID : MW-2 NESTED (97)
Sample Location : Yonkers, NY
Sample Matrix : Soil
Analytical Method : 1,8260D
Lab File ID : V23250328N15
Sample Amount : 7.4 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L2516543
Project Number : 2221378
Date Collected : 03/20/25 11:00
Date Received : 03/20/25
Date Analyzed : 03/29/25 02:38
Dilution Factor : 1
Analyst : JIC
Instrument ID : VOA123
GC Column : RTX-VMS
%Solids : 87
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	3.9	1.8	U
75-34-3	1,1-Dichloroethane	ND	0.78	0.11	U
67-66-3	Chloroform	ND	1.2	0.11	U
56-23-5	Carbon tetrachloride	ND	0.78	0.18	U
78-87-5	1,2-Dichloropropane	ND	0.78	0.10	U
124-48-1	Dibromochloromethane	ND	0.78	0.11	U
79-00-5	1,1,2-Trichloroethane	ND	0.78	0.21	U
127-18-4	Tetrachloroethene	ND	0.39	0.15	U
108-90-7	Chlorobenzene	ND	0.39	0.10	U
75-69-4	Trichlorofluoromethane	ND	3.1	0.54	U
107-06-2	1,2-Dichloroethane	ND	0.78	0.20	U
71-55-6	1,1,1-Trichloroethane	ND	0.39	0.13	U
75-27-4	Bromodichloromethane	ND	0.39	0.09	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.78	0.21	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.39	0.12	U
542-75-6	1,3-Dichloropropene, Total	ND	0.39	0.12	U
563-58-6	1,1-Dichloropropene	ND	0.39	0.12	U
75-25-2	Bromoform	ND	3.1	0.19	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.39	0.13	U
71-43-2	Benzene	ND	0.39	0.13	U
108-88-3	Toluene	ND	0.78	0.42	U
100-41-4	Ethylbenzene	ND	0.78	0.11	U
74-87-3	Chloromethane	ND	3.1	0.73	U J
74-83-9	Bromomethane	ND	1.6	0.45	U J
75-01-4	Vinyl chloride	ND	0.78	0.26	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners Site
 Lab ID : L2516543-01
 Client ID : MW-2 NESTED (97)
 Sample Location : Yonkers, NY
 Sample Matrix : Soil
 Analytical Method : 1,8260D
 Lab File ID : V23250328N15
 Sample Amount : 7.4 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2516543
 Project Number : 2221378
 Date Collected : 03/20/25 11:00
 Date Received : 03/20/25
 Date Analyzed : 03/29/25 02:38
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA123
 GC Column : RTX-VMS
 %Solids : 87
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-93-4	1,2-Dibromoethane	ND	0.78	0.22	U
142-28-9	1,3-Dichloropropane	ND	1.6	0.13	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.39	0.10	U
108-86-1	Bromobenzene	ND	1.6	0.11	U
104-51-8	n-Butylbenzene	ND	0.78	0.13	U
135-98-8	sec-Butylbenzene	ND	0.78	0.11	U
98-06-6	tert-Butylbenzene	ND	1.6	0.09	U
95-49-8	o-Chlorotoluene	ND	1.6	0.15	U
106-43-4	p-Chlorotoluene	ND	1.6	0.08	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.3	0.78	U
87-68-3	Hexachlorobutadiene	ND	3.1	0.13	U
98-82-8	Isopropylbenzene	ND	0.78	0.09	U
99-87-6	p-Isopropyltoluene	ND	0.78	0.09	U
91-20-3	Naphthalene	ND	3.1	0.51	U
107-13-1	Acrylonitrile	ND	3.1	0.90	U J
103-65-1	n-Propylbenzene	ND	0.78	0.13	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.6	0.25	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.6	0.21	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.6	0.15	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.6	0.26	U
123-91-1	1,4-Dioxane	ND	62	27.	U
105-05-5	p-Diethylbenzene	ND	1.6	0.14	U
622-96-8	p-Ethyltoluene	ND	1.6	0.30	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	1.6	0.15	U
60-29-7	Ethyl ether	ND	1.6	0.27	U





ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

To: Wilson Corella
Labella Associates DPC
45 Main Street, Suite 1018
Brooklyn, NY 11201

Date: 05/16/2025

Subject: Warburton Dry Cleaners, Yonker, NY - Data Usability Summary Report

The Following Items Transmitted:
Data Package:

Originals	Description of Materials	Electronic/ Hard Copy
1	L2519480_NYSDEC_CatB_Package_Mini_Final Report.pdf	Electronic
1	L2519480_EquNysdec.xls	Electronic

Signature:

Tracey Evans
Chemist
evans@enviro-asmnt.com
Environmental Assessment & Remediations
225 Atlantic Avenue
Patchogue, New York 11772
631-447-6400 ext.124



Warburton Dry Cleaners, Yonker, NY, Data Usability Summary Report for March 31-April 1, 2025, Water Samples

Client: Labella Associates DPC

Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)

Location: Warburton Dry Cleaners, Yonker, NY

Project Number: 2221378

Lab Job ID: L2519480				
			Method Evaluated	
Lab ID	Field ID	Collection Date	Matrix	8260D
L2519480-01	MW-2 NESTED-B	3/31/2025	water	x
L2519480-02	MW-2 NESTED-C	4/1/2025	water	x
L2519480-03	MW-2 NESTED-D	4/1/2025	water	x
L2519480-04	MW-6 NESTED-B	3/31/2025	water	x
L2519480-05	MW-6 NESTED-C	4/1/2025	water	x
L2519480-06	MW-6 NESTED-D	4/1/2025	water	x
L2519480-07	DUPLICATE	4/1/2025	water	x
L2519480-08	TRIP BLANK	3/31/2025	water	x

Laboratory report reviewed under:

- USEPA Contract Laboratory Program National Functional Guidance for Super Organic Methods Data Review, EPA 540-R-20-005 (January 2020).
- VOA Standard Operation for the Validation of Volatile Data, QA-HWSS-A-004 (March 2022).
- Professional judgment.

Criteria for Data Usability Summary Report

Completeness:

A complete data package is one that has all relevant and related material packaged for distribution to its client in accordance with the Analytical Service Protocol (ASP) Category B Deliverables guidelines.

Compliant:

A compliant data package is one that is determined to have all work that pertains to the production of the laboratory data in a manner that is consistent with the Quality Assurance Program Plan.



Overall Usability Issues

Data validation completed in accordance with the New York State Department of Environmental Conservation Analytical Service Protocol (NYSDEC ASP) Category B Data Deliverable requirements and reviewer's professional judgment.

This analytical report complies with the following points:

1. Holding Time and Analysis Time
2. Sample Analysis and Quality Control.

In conclusion, the data reviewed in this report is usable and passes all stated criteria for compliance of method 8260D.

Data Completeness

- A complete Category B data package under the NYSDEC ASP has been reported.



Data Validation Acronyms

AA	Atomic Absorption, Flame Technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene (Tune check analyte)
CCC	Continuing Calibration Check
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
CVAA	Atomic Absorption, Cold Vapor
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine (Tune check analyte)
DL	Detection Limit
ECD	Electron Capture Detector
FAA	Atomic Absorption, Furnace Technique
FID	Flame Ionization Detector
FNP	1-Fluoronaphthalene
GC	Gas Chromatography
GC/MS	Gas Chromatography/ Mass Spectrometry
GPC	Gel Permeation Chromatography
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma – Atomic Emission Spectrometer
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ICAL	Initial Calibration Curve
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LCS/LCSD	Laboratory Control Sample/ Laboratory Control Sample Duplicate
MB	Method Blank
MS	Matrix Spike
BNAMS11	Method of Standard Additions
MSD	Matrix Spike Duplicate
MS/MSD	Matrix Spike/ Matrix Spike Duplicate
ND	Non-detected or Not Detected
PID	Photo Ionization Detector



Data Validation Acronyms

PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
PQL	Practical Quantitation Limit
QA	Quality Assurance
QA/QC	Quality Assurance/ Quality Control
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RL	Reporting Limit
RRF	Relative Response Factor
RT	Retention Time
RRT	Relative Retention Time
SDG	Sample Delivery Group
SMC	System Monitoring Compounds/ Surrogates
SPCC	Sample Performance Check Compound
TCX	Tetrachloro-m-xylene
%D	Percent Drift
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation



Data Validation Qualifiers

U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may bias high.
J-	The result is an estimated quantity, but the result may bias low.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data is unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

Note:

1. These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.
2. The EDDs are assigned these data validation qualifiers and refer to the valid value list supplied by the specific agency or informational data system.

Client: Labella Associates DPC
Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)
Location: Warburton Dry Cleaners, Yonker , NY
Project Number: 2221378



Method Review: 8260D

Lab Job ID: L2519480

Lab ID	Field ID	Collection Date	Matrix
L2519480-01	MW-2 NESTED-B	3/31/2025	water
L2519480-02	MW-2 NESTED-C	4/1/2025	water
L2519480-03	MW-2 NESTED-D	4/1/2025	water
L2519480-04	MW-6 NESTED-B	3/31/2025	water
L2519480-05	MW-6 NESTED-C	4/1/2025	water
L2519480-06	MW-6 NESTED-D	4/1/2025	water
L2519480-07	DUPLICATE	4/1/2025	water
L2519480-08	TRIP BLANK	3/31/2025	water

Reviewer Summary:

Samples were handled and analyzed properly under USEPA Contract Laboratory Program National Functional Guidance for Super Organic Methods Data and QA-HWSS-A-004 VOA Standard Operation for the Validation of Volatile Data.

- Within CCVs(files V0125411A01 and V05250414A01) several compounds were outside of %D criteria leading to qualification of compounds as non-detect estimate "UJ" values within associated samples.
- Bromomethane was detected in TRIP BLANK but not within any sample, no further qualification is needed
- Within matrix sample MW-2 NESTED-B MS/MSD analyte Tetrachloroethene was recovered below limits led to qualification analyte as estimate "J" value within sample.
- Blind duplicate pair MW-2 NESTED-C and DUPLICATE samples result is within acceptable quantity. Data was qualified within category B criterion and is usable.

Client: Labella Associates DPC
Laboratory: PACE Analytical Laboratory (NYDOH lab id 11148)
Location: Warburton Dry Cleaners, Yonker, NY
Project Number: 2221378
Job ID: L2519480



Method 8260D

Criteria	Y	N	NA	Comment
A. Sample Receipt				
Technical Hold Time of 7 days not preserved or 14 days preserved (pH<2)?	x			
Cooling Temp = 4°C ± 2°C	x			
B. GC/MS Instrument Performance Check				
Were BFB performance results within criteria?	x			
Were all samples analyzed within the 12 hour time period?	x			
C. Initial Calibration				
Was a 5 point calibration run?	x			
Was RSD% with in criteria for each target analyte? Was RRF within criteria?	x			
Was curve fit used for evaluation? If yes did the I.C. meet the curve fit acceptability of ≥ 0.990 ?	x			
Was the Initial Calibration Verification (ICV) done after the I.C., were compound recovery within criteria?	x			
D. Continuing Calibration				
Was it done every 12 hours after I.C. to verify it?	x			Within CCVs, several compounds were outside of %D criteria leading to qualification of compounds as non-detect estimate "UJ" values within associated samples. See attachment.
Were (%D) $\leq$ limit and relative respond factors (RRF) within criteria?		x		

Criteria	Y	N	NA	Comment
E. Laboratory Blanks				
Was a lab blank associated with each sample of SDG?	x			
Was blank analyzed every 12 hours?	x			
Were contamination found, if so qualification may be necessary?		x		
subsection : Field Blanks				TRIP BLANK
Was a field blank associated with each sample of SDG?	x			Bromomethane was detected with TRIP BLANK but not within any sample, no further qualification is needed.
Were target compounds detected in it?	x			
F. Surrogate Spikes				
Were surrogate percent recovery (%R) within QC limits?	x			
If the (%R) for one or more surrogates were out of QC, was reanalysis performed to confirm %R?			x	
G. Matrix Spike/Matrix Duplicate				MW-2 NESTED-B MS/MSD
Were MS and MSD analyzed for SDG?	x			Tetrachloroethene recovered below limits led to qualification analyte as estimate "J" value within sample. See attachment.
Was MS/MSD done every 20 samples?	x			
Were MS/MSD (%R) and RPD within QC?		x		
H. Field Duplicate				MW-2 NESTED-C and DUPLICATE
Were field duplicates identified in this SDG?	x			See attachment.
Were target compounds detected in it? Were RSPs less than 50%?	x			

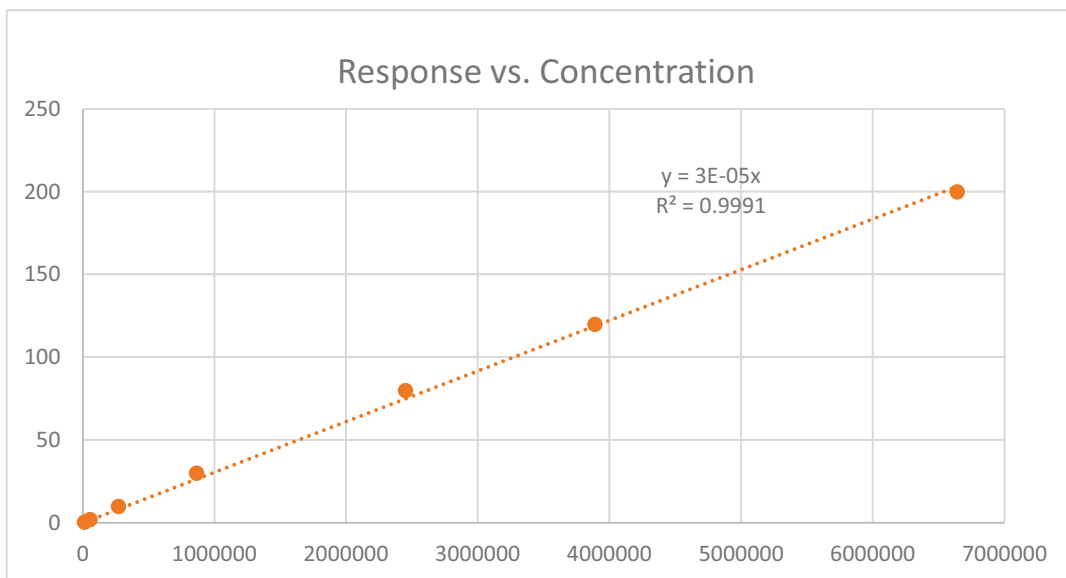
Criteria	Y	N	NA	Comment
subsection: Internal Compounds				
Were counts within 50% to 200% of associated calibration standard?	X			
Were retention times within ± 10 sec of cal. standard?	X			
I. Target Analyte Identification				
Mass spectral ion abundance criteria specified for target analyte?	X			
Target analyte RRT outside specified RRT window	X			
If sample is considered "Solid", is it greater than 30%?	X			
Did the spectrum meet EPA "Functional Guidelines"?	X			
J. Tentative Analyte Identification				
Were analyte results greater than 85% library match?			X	
Were National Functional Guidelines followed for TIC processing?			X	
K. Regional EPA QA/QC				
Were regional protocol of QA/AC protocols used in evaluation data?	X			
L. Overall Assessment of Data				
Was overall assessment of data found to be acceptable?	X			

Comments: Qualification occurred in sample due to continuous calibration and matrix sample failures in laboratory criteria. All data is usable.

Calculation Spot Check**Instrument:** VOA101**ICV Date and Time:** 02/08/25 01:30**Compound:** Chloromethane

Curve Evaluation

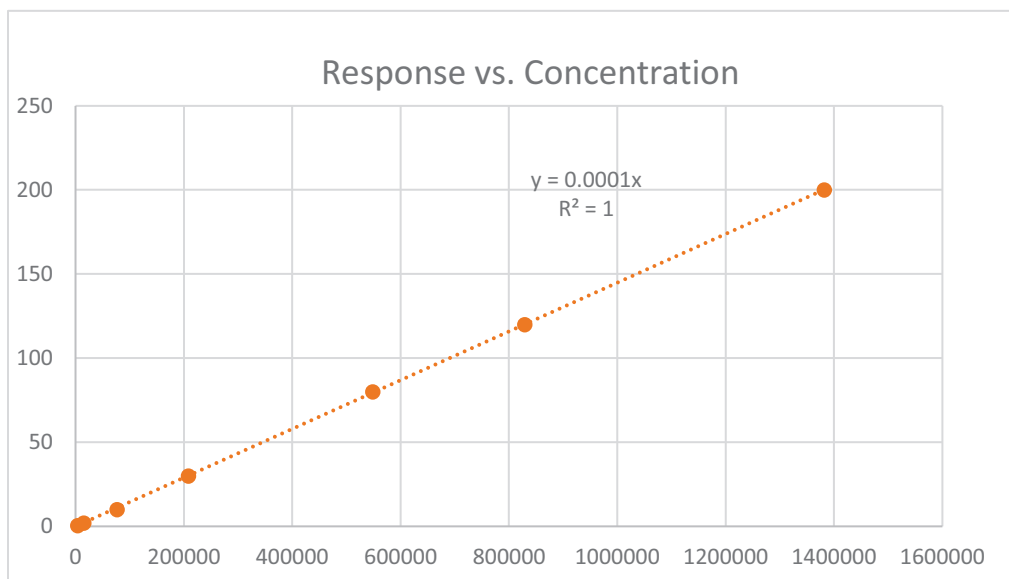
	RRF	Response	Concentration
L1	0.503	13764	0.5
L2	0.491	53722	2
L3	0.470	271883	10
L4	0.494	863112	30
L5	0.493	2450211	80
L6	0.498	3888932	120
L7	0.497	6642381	200
average	0.492		
RSD	2.15		



Calculation Spot Check**Instrument:** VOA105**ICV Date and Time:** 04/09/2025 12:55**Compound:** Chloromethane

Curve Evaluation

	RRF	Response	Concentration
L1	0.284	3758	0.5
L2	0.286	14843	2
L3	0.296	76346	10
L4	0.265	207898	30
L5	0.265	547946	80
L6	0.269	828384	120
L7	0.267	1381230	200
average	0.276		
RSD	4.53		



Attachments for Method Review

Blind Duplicate

	Original Sample	Blind Duplicate	Relative Percent Difference
Well	MW-2 NESTED-C	DUPLICATE	
Tetrachloroethene	5300	5400	1.87

Reviewer comment: Comparing duplicate pair MW-2 NESTED-C and DUPLICATE samples result is within acceptable quantity. There are no qualification which will be added to this data.

Reviewer Comment: Qualification of several analytes as non-detect estimate "UJ" values within associated samples (L2519480-01, -03, -04, -05, -06 and -08).

Calibration Verification Summary Form 7 Volatiles

Client : LaBella Associates
Project Name : Warburton Dry Cleaners Site
Instrument ID : VOA101
Lab File ID : V01250411A01
Sample No : WG2054157-2
Channel :

Lab Number : L2519480
Project Number : 2221378
Calibration Date : 04/11/25 07:12
Init. Calib. Date(s) : 02/08/25 02/08/25
Init. Calib. Times : 01:30 05:51

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	73	0
Dichlorodifluoromethane	0.266	0.21	-	21.1*	20	55	0
Chloromethane	0.492	0.324	-	34.1*	20	50	0
Vinyl chloride	0.31	0.278	-	10.3	20	65	0
Bromomethane	10	11.732	-	-17.3	20	98	0
Chloroethane	0.148	0.166	-	-12.2	20	81	0
Trichlorofluoromethane	0.323	0.334	-	-3.4	20	73	0
Ethyl ether	0.082	0.098	-	-19.5	20	91	0
1,1-Dichloroethene	0.218	0.201	-	7.8	20	67	0
Carbon disulfide	0.721	0.597	-	17.2	20	62	0
Freon-113	0.222	0.201	-	9.5	20	63	0
Acrolein	0.032	0.029	-	9.4	20	67	0
Methylene chloride	0.26	0.218	-	16.2	20	63	0
Acetone	10	6.132	-	38.7*	20	52	0
trans-1,2-Dichloroethene	0.243	0.223	-	8.2	20	66	0
Methyl acetate	0.126	0.094	-	25.4*	20	55	0
Methyl tert-butyl ether	0.509	0.449	-	11.8	20	67	0
tert-Butyl alcohol	0.013	0.011	-	15.4	20	65	0
Diisopropyl ether	1.021	0.715	-	30*	20	51	0
1,1-Dichloroethane	0.523	0.444	-	15.1	20	62	0
Halothane	0.177	0.17	-	4	20	68	0
Acrylonitrile	0.06	0.05	-	16.7	20	61	0
Ethyl tert-butyl ether	0.743	0.606	-	18.4	20	60	0
Vinyl acetate	0.516	0.342	-	33.7*	20	48	0
cis-1,2-Dichloroethene	0.266	0.242	-	9	20	67	0
2,2-Dichloropropane	0.321	0.327	-	-1.9	20	75	0
Bromochloromethane	0.105	0.113	-	-7.6	20	76	0
Cyclohexane	0.55	0.435	-	20.9*	20	55	0
Chloroform	0.432	0.39	-	9.7	20	64	0
Ethyl acetate	0.167	0.127	-	24*	20	53	0
Carbon tetrachloride	0.315	0.3	-	4.8	20	67	0
Tetrahydrofuran	0.052	0.041	-	21.2*	20	56	0
Dibromofluoromethane	0.254	0.262	-	-3.1	20	75	0
1,1,1-Trichloroethane	0.371	0.348	-	6.2	20	67	0
2-Butanone	0.072	0.049	-	31.9*	20	52	0
1,1-Dichloropropene	0.323	0.272	-	15.8	20	59	0
Benzene	0.946	0.874	-	7.6	20	66	0
tert-Amyl methyl ether	0.509	0.453	-	11	20	68	0
1,2-Dichloroethane-d4	0.292	0.288	-	1.4	20	73	0
1,2-Dichloroethane	0.312	0.28	-	10.3	20	64	0
Methyl cyclohexane	0.425	0.365	-	14.1	20	60	0
Trichloroethene	0.261	0.236	-	9.6	20	66	0
Dibromomethane	0.12	0.11	-	8.3	20	67	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners Site
 Instrument ID : VOA101
 Lab File ID : V01250411A01
 Sample No : WG2054157-2
 Channel :

Lab Number : L2519480
 Project Number : 2221378
 Calibration Date : 04/11/25 07:12
 Init. Calib. Date(s) : 02/08/25 02/08/25
 Init. Calib. Times : 01:30 05:51

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.289	0.236	-	18.3	20	60	0
Bromodichloromethane	0.321	0.284*	-	11.5	20	65	0
1,4-Dioxane	0.00128	0.00118*	-	7.8	20	63	0
cis-1,3-Dichloropropene	10	7.679	-	23.2*	20	62	0
Chlorobenzene-d5	1	1	-	0	20	75	0
Toluene-d8	1.329	1.272	-	4.3	20	72	0
Toluene	0.799	0.736	-	7.9	20	69	0
4-Methyl-2-pentanone	0.077	0.056	-	27.3*	20	61	0
Tetrachloroethene	0.32	0.337	-	-5.3	20	77	0
trans-1,3-Dichloropropene	10	7.899	-	21*	20	63	0
Ethyl methacrylate	0.27	0.211	-	21.9*	20	66	0
1,1,2-Trichloroethane	0.2	0.177*	-	11.5	20	66	0
Chlorodibromomethane	0.276	0.258	-	6.5	20	72	0
1,3-Dichloropropane	0.41	0.356	-	13.2	20	65	0
1,2-Dibromoethane	0.217	0.198*	-	8.8	20	68	0
2-Hexanone	0.135	0.084	-	37.8*	20	54	0
Chlorobenzene	0.887	0.84	-	5.3	20	71	0
Ethylbenzene	1.543	1.431	-	7.3	20	68	0
1,1,1,2-Tetrachloroethane	0.311	0.301	-	3.2	20	73	0
p/m Xylene	0.589	0.584	-	0.8	20	72	0
o Xylene	0.568	0.558	-	1.8	20	71	0
Styrene	0.871	0.86	-	1.3	20	71	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	76	0
Bromoform	0.278	0.258	-	7.2	20	73	0
Isopropylbenzene	2.756	2.637	-	4.3	20	72	0
4-Bromofluorobenzene	0.979	0.871	-	11	20	69	0
Bromobenzene	0.622	0.628	-	-1	20	76	0
n-Propylbenzene	3.228	3.046	-	5.6	20	70	0
1,4-Dichlorobutane	0.845	0.73	-	13.6	20	66	0
1,1,2,2-Tetrachloroethane	0.488	0.443	-	9.2	20	69	0
4-Ethyltoluene	2.673	2.581	-	3.4	20	73	0
2-Chlorotoluene	1.967	1.855	-	5.7	20	72	0
1,3,5-Trimethylbenzene	2.212	2.157	-	2.5	20	75	0
1,2,3-Trichloropropane	0.386	0.342	-	11.4	20	69	0
trans-1,4-Dichloro-2-buten	0.108	0.075	-	30.6*	20	59	0
4-Chlorotoluene	1.955	1.824	-	6.7	20	72	0
tert-Butylbenzene	1.907	1.806	-	5.3	20	72	0
1,2,4-Trimethylbenzene	2.097	2.095	-	0.1	20	75	0
sec-Butylbenzene	2.665	2.629	-	1.4	20	74	0
p-Isopropyltoluene	2.268	2.177	-	4	20	73	0
1,3-Dichlorobenzene	1.131	1.166	-	-3.1	20	79	0
1,4-Dichlorobenzene	1.159	1.171	-	-1	20	80	0
p-Diethylbenzene	1.284	1.228	-	4.4	20	74	0

* Value outside of QC limits.



Reviewer Comment: Qualification of several analytes as non-detect estimate "UJ" values within associated samples (L2519480-02 and -07).

Calibration Verification Summary Form 7 Volatiles

Client : LaBella Associates
Project Name : Warburton Dry Cleaners Site
Instrument ID : VOA105
Lab File ID : V05250414A01
Sample No : WG2053623-2
Channel :

Lab Number : L2519480
Project Number : 2221378
Calibration Date : 04/14/25 06:49
Init. Calib. Date(s) : 04/09/25 04/09/25
Init. Calib. Times : 12:55 17:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	98	0
Dichlorodifluoromethane	0.283	0.242	-	14.5	20	79	0
Chloromethane	0.276	0.256	-	7.2	20	85	0
Vinyl chloride	0.266	0.274	-	-3	20	93	0
Bromomethane	10	12.518	-	-25.2*	20	140	0
Chloroethane	0.169	0.176	-	-4.1	20	94	0
Trichlorofluoromethane	0.359	0.34	-	5.3	20	83	0
Ethyl ether	0.117	0.114	-	2.6	20	89	0
1,1-Dichloroethene	0.208	0.205	-	1.4	20	88	0
Carbon disulfide	0.655	0.653	-	0.3	20	91	0
Freon-113	0.215	0.216	-	-0.5	20	88	0
Iodomethane	0.284	0.061	-	78.5*	20	21	0
Acrolein	0.03	0.029	-	3.3	20	96	0
Methylene chloride	0.239	0.232	-	2.9	20	89	0
Acetone	0.041	0.037	-	9.8	20	89	0
trans-1,2-Dichloroethene	0.235	0.233	-	0.9	20	89	0
Methyl acetate	0.097	0.081	-	16.5	20	83	0
Methyl tert-butyl ether	0.584	0.51	-	12.7	20	80	0
tert-Butyl alcohol	0.01369	0.00994*	-	27.4*	20	67	0
Diisopropyl ether	0.691	0.676	-	2.2	20	90	0
1,1-Dichloroethane	0.439	0.444	-	-1.1	20	91	0
Halothane	0.185	0.174	-	5.9	20	84	0
Acrylonitrile	0.053	0.047	-	11.3	20	85	0
Ethyl tert-butyl ether	0.669	0.607	-	9.3	20	83	0
Vinyl acetate	0.377	0.317	-	15.9	20	81	0
cis-1,2-Dichloroethene	0.259	0.257	-	0.8	20	89	0
2,2-Dichloropropane	0.375	0.353	-	5.9	20	84	0
Bromochloromethane	0.116	0.118	-	-1.7	20	88	0
Cyclohexane	0.439	0.439	-	0	20	90	0
Chloroform	0.428	0.413	-	3.5	20	88	0
Ethyl acetate	0.142	0.123	-	13.4	20	80	0
Carbon tetrachloride	0.353	0.318	-	9.9	20	78	0
Tetrahydrofuran	0.047	0.046	-	2.1	20	97	0
Dibromofluoromethane	0.273	0.27	-	1.1	20	97	0
1,1,1-Trichloroethane	0.382	0.363	-	5	20	84	0
2-Butanone	0.065	0.051	-	21.5*	20	73	0
1,1-Dichloropropene	0.32	0.326	-	-1.9	20	88	0
Benzene	0.911	0.901	-	1.1	20	90	0
tert-Amyl methyl ether	0.587	0.485	-	17.4	20	76	0
1,2-Dichloroethane-d4	0.308	0.313	-	-1.6	20	96	0
1,2-Dichloroethane	0.305	0.303	-	0.7	20	91	0
Methyl cyclohexane	0.424	0.425	-	-0.2	20	88	0
Trichloroethene	0.265	0.248	-	6.4	20	88	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners Site
 Instrument ID : VOA105
 Lab File ID : V05250414A01
 Sample No : WG2053623-2
 Channel :

Lab Number : L2519480
 Project Number : 2221378
 Calibration Date : 04/14/25 06:49
 Init. Calib. Date(s) : 04/09/25 04/09/25
 Init. Calib. Times : 12:55 17:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.133	0.124	-	6.8	20	84	0
1,2-Dichloropropane	0.238	0.233	-	2.1	20	89	0
2-Chloroethyl vinyl ether	0.123	0.11	-	10.6	20	81	0
Bromodichloromethane	0.329	0.3	-	8.8	20	85	0
1,4-Dioxane	0.00145	0.00146*	-	-0.7	20	98	0
cis-1,3-Dichloropropene	0.376	0.341	-	9.3	20	81	0
Chlorobenzene-d5	1	1	-	0	20	98	0
Toluene-d8	1.3	1.301	-	-0.1	20	98	0
Toluene	0.751	0.743	-	1.1	20	88	0
4-Methyl-2-pentanone	0.072	0.059	-	18.1	20	75	0
Tetrachloroethene	0.336	0.337	-	-0.3	20	85	0
trans-1,3-Dichloropropene	0.406	0.363	-	10.6	20	78	0
Ethyl methacrylate	0.304	0.242	-	20.4*	20	75	0
1,1,2-Trichloroethane	0.2	0.183*	-	8.5	20	85	0
Chlorodibromomethane	0.308	0.263	-	14.6	20	78	0
1,3-Dichloropropane	0.401	0.394	-	1.7	20	88	0
1,2-Dibromoethane	0.241	0.22	-	8.7	20	83	0
2-Hexanone	0.12	0.095	-	20.8*	20	74	0
Chlorobenzene	0.871	0.863	-	0.9	20	88	0
Ethylbenzene	1.49	1.453	-	2.5	20	87	0
1,1,1,2-Tetrachloroethane	0.317	0.283	-	10.7	20	79	0
p/m Xylene	0.577	0.575	-	0.3	20	86	0
o Xylene	0.566	0.555	-	1.9	20	85	0
Styrene	0.925	0.896	-	3.1	20	86	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	94	0
Bromoform	0.327	0.248	-	24.2*	20	68	0
Isopropylbenzene	2.78	2.778	-	0.1	20	85	0
4-Bromofluorobenzene	0.912	0.907	-	0.5	20	94	0
Bromobenzene	0.624	0.605	-	3	20	84	0
n-Propylbenzene	3.181	3.196	-	-0.5	20	85	0
1,4-Dichlorobutane	0.734	0.708	-	3.5	20	87	0
1,1,2,2-Tetrachloroethane	0.534	0.466	-	12.7	20	83	0
4-Ethyltoluene	2.715	2.761	-	-1.7	20	85	0
2-Chlorotoluene	1.871	1.886	-	-0.8	20	85	0
1,3,5-Trimethylbenzene	2.36	2.383	-	-1	20	86	0
1,2,3-Trichloropropane	0.402	0.382	-	5	20	86	0
trans-1,4-Dichloro-2-buten	0.154	0.126	-	18.2	20	72	0
4-Chlorotoluene	1.95	1.918	-	1.6	20	85	0
tert-Butylbenzene	1.989	1.972	-	0.9	20	84	0
1,2,4-Trimethylbenzene	2.297	2.309	-	-0.5	20	86	0
sec-Butylbenzene	2.849	2.906	-	-2	20	86	0
p-Isopropyltoluene	2.498	2.558	-	-2.4	20	85	0
1,3-Dichlorobenzene	1.264	1.258	-	0.5	20	84	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : LaBella Associates	Lab Number : L2519480
Project Name : Warburton Dry Cleaners Site	Project Number : 2221378
Instrument ID : VOA105	Calibration Date : 04/14/25 06:49
Lab File ID : V05250414A01	Init. Calib. Date(s) : 04/09/25 04/09/25
Sample No : WG2053623-2	Init. Calib. Times : 12:55 17:10
Channel :	

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene	1.286	1.284	-	0.2	20	86	0
p-Diethylbenzene	1.47	1.499	-	-2	20	87	0
n-Butylbenzene	2.024	2.091	-	-3.3	20	87	0
1,2-Dichlorobenzene	1.154	1.141	-	1.1	20	86	0
1,2,4,5-Tetramethylbenzene	2.195	2.153	-	1.9	20	85	0
1,2-Dibromo-3-chloropropan	0.08	0.06	-	25*	20	66	0
1,3,5-Trichlorobenzene	0.805	0.805	-	0	20	84	0
Hexachlorobutadiene	0.248	0.255	-	-2.8	20	87	0
1,2,4-Trichlorobenzene	0.692	0.685	-	1	20	84	0
Naphthalene	1.643	1.494	-	9.1	20	80	0
1,2,3-Trichlorobenzene	0.597	0.565	-	5.4	20	83	0

* Value outside of QC limits.



Reviewer Comment: Due to recovery below laboratory limit analytes Tetrachloroethene is qualified as estimate a "J" value within sample MW-2 NESTED-B.

Matrix Spike Sample Summary Form 3 Volatiles

Client : LaBella Associates Project Name : Warburton Dry Cleaners Site Client Sample ID : MW-2 NESTED-B Lab Sample ID : L2519480-01 Matrix Spike : WG2054157-6 Matrix Spike Dup : WG2054157-7	Lab Number : L2519480 Project Number : 2221378 Matrix (Level) : WATER (LOW) Analysis Date : 04/11/25 16:46 MS Analysis Date : 04/11/25 18:05 MSD Analysis Date : 04/11/25 18:31

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Methylene chloride	ND	400	350	88	400	340	85	3	70-130	20
1,1-Dichloroethane	ND	400	350	88	400	350	88	0	70-130	20
Chloroform	ND	400	380	95	400	370	92	3	70-130	20
Carbon tetrachloride	ND	400	380	95	400	360	90	5	63-132	20
1,2-Dichloropropane	ND	400	350	88	400	330	82	6	70-130	20
Dibromochloromethane	ND	400	390	98	400	380	95	3	63-130	20
1,1,2-Trichloroethane	ND	400	370	92	400	370	92	0	70-130	20
Tetrachloroethene	3500	400	3500	0 Q	400	3600	25 Q	3	70-130	20
Chlorobenzene	ND	400	380	95	400	360	90	5	75-130	20
Trichlorofluoromethane	ND	400	440	110	400	420	105	5	62-150	20
1,2-Dichloroethane	ND	400	370	92	400	360	90	3	70-130	20
1,1,1-Trichloroethane	ND	400	390	98	400	370	92	5	67-130	20
Bromodichloromethane	ND	400	360	90	400	360	90	0	67-130	20
trans-1,3-Dichloropropene	ND	400	320	80	400	310	78	3	70-130	20
cis-1,3-Dichloropropene	ND	400	300	75	400	300	75	0	70-130	20
1,1-Dichloropropene	ND	400	350	88	400	330	82	6	70-130	20
Bromoform	ND	400	380	95	400	400	100	5	54-136	20
1,1,2,2-Tetrachloroethane	ND	400	370	92	400	390	98	5	67-130	20
Benzene	ND	400	380	95	400	370	92	3	70-130	20
Toluene	ND	400	360	90	400	350	88	3	70-130	20
Ethylbenzene	ND	400	360	90	400	340	85	6	70-130	20
Chloromethane	ND	400	260	65	400	270	68	4	64-130	20



Reviewer Comment: Qualification of several analytes as non-detect estimate "UJ" values is due to %D results outside laboratory limit within associated continuous calibration file V0125411A01. Due to recovery below laboratory limit analytes for associated matrix spike sample (Form 3), Tetrachloroethene as estimate "J" value.

Results Summary Form 1 Volatile Organics by GC/MS

Client : LaBella Associates
Project Name : Warburton Dry Cleaners Site
Lab ID : L2519480-01D
Client ID : MW-2 NESTED-B
Sample Location : Yonkers, NY
Sample Matrix : Water
Analytical Method : 1,8260D
Lab File ID : V01250411A23
Sample Amount : 0.25 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L2519480
Project Number : 2221378
Date Collected : 03/31/25 17:45
Date Received : 04/01/25
Date Analyzed : 04/11/25 16:46
Dilution Factor : 40
Analyst : PID
Instrument ID : VOA101
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	100	28.	U
75-34-3	1,1-Dichloroethane	ND	100	28.	U
67-66-3	Chloroform	ND	100	28.	U
56-23-5	Carbon tetrachloride	ND	20	5.4	U
78-87-5	1,2-Dichloropropane	ND	40	5.5	U
124-48-1	Dibromochloromethane	ND	20	6.0	U
79-00-5	1,1,2-Trichloroethane	ND	60	20.	U
127-18-4	Tetrachloroethene	3500	20	7.2	J
108-90-7	Chlorobenzene	ND	100	28.	U
75-69-4	Trichlorofluoromethane	ND	100	28.	U
107-06-2	1,2-Dichloroethane	ND	20	5.3	U
71-55-6	1,1,1-Trichloroethane	ND	100	28.	U
75-27-4	Bromodichloromethane	ND	20	7.7	U
10061-02-6	trans-1,3-Dichloropropene	ND	20	6.6	U J
10061-01-5	cis-1,3-Dichloropropene	ND	20	5.8	U J
542-75-6	1,3-Dichloropropene, Total	ND	20	5.8	U
563-58-6	1,1-Dichloropropene	ND	100	28.	U
75-25-2	Bromoform	ND	80	26.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	6.7	U
71-43-2	Benzene	ND	20	6.4	U
108-88-3	Toluene	ND	100	28.	U
100-41-4	Ethylbenzene	ND	100	28.	U
74-87-3	Chloromethane	ND	100	28.	U J
74-83-9	Bromomethane	ND	100	28.	U
75-01-4	Vinyl chloride	ND	40	2.8	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners Site
 Lab ID : L2519480-01D
 Client ID : MW-2 NESTED-B
 Sample Location : Yonkers, NY
 Sample Matrix : Water
 Analytical Method : 1,8260D
 Lab File ID : V01250411A23
 Sample Amount : 0.25 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2519480
 Project Number : 2221378
 Date Collected : 03/31/25 17:45
 Date Received : 04/01/25
 Date Analyzed : 04/11/25 16:46
 Dilution Factor : 40
 Analyst : PID
 Instrument ID : VOA101
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	100	28.	U
75-35-4	1,1-Dichloroethene	ND	20	6.8	U
156-60-5	trans-1,2-Dichloroethene	ND	100	28.	U
79-01-6	Trichloroethene	ND	20	7.0	U
95-50-1	1,2-Dichlorobenzene	ND	100	28.	U
541-73-1	1,3-Dichlorobenzene	ND	100	28.	U
106-46-7	1,4-Dichlorobenzene	ND	100	28.	U
1634-04-4	Methyl tert butyl ether	ND	100	6.6	U
179601-23-1	p/m-Xylene	ND	100	28.	U
95-47-6	o-Xylene	ND	100	28.	U
1330-20-7	Xylenes, Total	ND	100	28.	U
156-59-2	cis-1,2-Dichloroethene	ND	100	28.	U
540-59-0	1,2-Dichloroethene, Total	ND	100	28.	U
74-95-3	Dibromomethane	ND	200	40.	U
96-18-4	1,2,3-Trichloropropane	ND	100	28.	U
107-13-1	Acrylonitrile	ND	200	60.	U
100-42-5	Styrene	ND	100	28.	U
75-71-8	Dichlorodifluoromethane	ND	200	40.	U J
67-64-1	Acetone	ND	200	58.	U J
75-15-0	Carbon disulfide	ND	200	40.	U
78-93-3	2-Butanone	ND	200	78.	U J
108-05-4	Vinyl acetate	ND	200	40.	U J
108-10-1	4-Methyl-2-pentanone	ND	200	40.	U J
591-78-6	2-Hexanone	ND	200	40.	U J
74-97-5	Bromochloromethane	ND	100	28.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: LaBella Associates	Lab Number	: L2519480
Project Name	: Warburton Dry Cleaners Site	Project Number	: 2221378
Lab ID	: L2519480-01D	Date Collected	: 03/31/25 17:45
Client ID	: MW-2 NESTED-B	Date Received	: 04/01/25
Sample Location	: YONKERS, NY	Date Analyzed	: 04/11/25 16:46
Sample Matrix	: WATER	Dilution Factor	: 40
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01250411A23	Instrument ID	: VOA101
Sample Amount	: 0.25 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	100	28.	U J



Reviewer Comment: Qualification of several analytes as non-detect estimate "UJ" values is due to %D results outside laboratory limit within associated continuous calibration file V05250414A01.

Results Summary Form 1 Volatile Organics by GC/MS

Client : LaBella Associates
Project Name : Warburton Dry Cleaners Site
Lab ID : L2519480-02D
Client ID : MW-2 NESTED-C
Sample Location : Yonkers, NY
Sample Matrix : Water
Analytical Method : 1,8260D
Lab File ID : V05250414A09
Sample Amount : 0.2 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L2519480
Project Number : 2221378
Date Collected : 04/01/25 15:37
Date Received : 04/01/25
Date Analyzed : 04/14/25 10:35
Dilution Factor : 50
Analyst : MJV
Instrument ID : VOA105
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	120	35.	U
75-34-3	1,1-Dichloroethane	ND	120	35.	U
67-66-3	Chloroform	ND	120	35.	U
56-23-5	Carbon tetrachloride	ND	25	6.7	U
78-87-5	1,2-Dichloropropane	ND	50	6.8	U
124-48-1	Dibromochloromethane	ND	25	7.4	U
79-00-5	1,1,2-Trichloroethane	ND	75	25.	U
127-18-4	Tetrachloroethene	5300	25	9.0	J
108-90-7	Chlorobenzene	ND	120	35.	U
75-69-4	Trichlorofluoromethane	ND	120	35.	U
107-06-2	1,2-Dichloroethane	ND	25	6.6	U
71-55-6	1,1,1-Trichloroethane	ND	120	35.	U
75-27-4	Bromodichloromethane	ND	25	9.6	U
10061-02-6	trans-1,3-Dichloropropene	ND	25	8.2	U
10061-01-5	cis-1,3-Dichloropropene	ND	25	7.2	U
542-75-6	1,3-Dichloropropene, Total	ND	25	7.2	U
563-58-6	1,1-Dichloropropene	ND	120	35.	U
75-25-2	Bromoform	ND	100	32.	U J
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	8.4	U
71-43-2	Benzene	ND	25	8.0	U
108-88-3	Toluene	ND	120	35.	U
100-41-4	Ethylbenzene	ND	120	35.	U
74-87-3	Chloromethane	ND	120	35.	U
74-83-9	Bromomethane	ND	120	35.	U J
75-01-4	Vinyl chloride	ND	50	3.6	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners Site
 Lab ID : L2519480-02D
 Client ID : MW-2 NESTED-C
 Sample Location : Yonkers, NY
 Sample Matrix : Water
 Analytical Method : 1,8260D
 Lab File ID : V05250414A09
 Sample Amount : 0.2 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2519480
 Project Number : 2221378
 Date Collected : 04/01/25 15:37
 Date Received : 04/01/25
 Date Analyzed : 04/14/25 10:35
 Dilution Factor : 50
 Analyst : MJV
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	120	35.	U
75-35-4	1,1-Dichloroethene	ND	25	8.4	U
156-60-5	trans-1,2-Dichloroethene	ND	120	35.	U
79-01-6	Trichloroethene	ND	25	8.8	U
95-50-1	1,2-Dichlorobenzene	ND	120	35.	U
541-73-1	1,3-Dichlorobenzene	ND	120	35.	U
106-46-7	1,4-Dichlorobenzene	ND	120	35.	U
1634-04-4	Methyl tert butyl ether	ND	120	8.3	U
179601-23-1	p/m-Xylene	ND	120	35.	U
95-47-6	o-Xylene	ND	120	35.	U
1330-20-7	Xylenes, Total	ND	120	35.	U
156-59-2	cis-1,2-Dichloroethene	ND	120	35.	U
540-59-0	1,2-Dichloroethene, Total	ND	120	35.	U
74-95-3	Dibromomethane	ND	250	50.	U
96-18-4	1,2,3-Trichloropropane	ND	120	35.	U
107-13-1	Acrylonitrile	ND	250	75.	U
100-42-5	Styrene	ND	120	35.	U
75-71-8	Dichlorodifluoromethane	ND	250	50.	U
67-64-1	Acetone	ND	250	73.	U
75-15-0	Carbon disulfide	ND	250	50.	U
78-93-3	2-Butanone	ND	250	97.	U J
108-05-4	Vinyl acetate	ND	250	50.	U
108-10-1	4-Methyl-2-pentanone	ND	250	50.	U
591-78-6	2-Hexanone	ND	250	50.	U J
74-97-5	Bromochloromethane	ND	120	35.	U



Reviewer Comment: Qualification of several analytes as non-detect estimate "UJ" values is due to %D results outside laboratory limit within associated continuous calibration file V0125411A01.

Results Summary Form 1 Volatile Organics by GC/MS

Client : LaBella Associates
Project Name : Warburton Dry Cleaners Site
Lab ID : L2519480-03D
Client ID : MW-2 NESTED-D
Sample Location : Yonkers, NY
Sample Matrix : Water
Analytical Method : 1,8260D
Lab File ID : V01250411A25
Sample Amount : 1 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L2519480
Project Number : 2221378
Date Collected : 04/01/25 16:16
Date Received : 04/01/25
Date Analyzed : 04/11/25 17:39
Dilution Factor : 10
Analyst : PID
Instrument ID : VOA101
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	25	7.0	U
75-34-3	1,1-Dichloroethane	ND	25	7.0	U
67-66-3	Chloroform	ND	25	7.0	U
56-23-5	Carbon tetrachloride	ND	5.0	1.3	U
78-87-5	1,2-Dichloropropane	ND	10	1.4	U
124-48-1	Dibromochloromethane	ND	5.0	1.5	U
79-00-5	1,1,2-Trichloroethane	ND	15	5.0	U
127-18-4	Tetrachloroethene	820	5.0	1.8	
108-90-7	Chlorobenzene	ND	25	7.0	U
75-69-4	Trichlorofluoromethane	ND	25	7.0	U
107-06-2	1,2-Dichloroethane	ND	5.0	1.3	U
71-55-6	1,1,1-Trichloroethane	ND	25	7.0	U
75-27-4	Bromodichloromethane	ND	5.0	1.9	U
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.6	U J
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.4	U J
542-75-6	1,3-Dichloropropene, Total	ND	5.0	1.4	U
563-58-6	1,1-Dichloropropene	ND	25	7.0	U
75-25-2	Bromoform	ND	20	6.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.7	U
71-43-2	Benzene	ND	5.0	1.6	U
108-88-3	Toluene	ND	25	7.0	U
100-41-4	Ethylbenzene	ND	25	7.0	U
74-87-3	Chloromethane	ND	25	7.0	U J
74-83-9	Bromomethane	ND	25	7.0	U
75-01-4	Vinyl chloride	ND	10	0.71	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners Site
 Lab ID : L2519480-03D
 Client ID : MW-2 NESTED-D
 Sample Location : Yonkers, NY
 Sample Matrix : Water
 Analytical Method : 1,8260D
 Lab File ID : V01250411A25
 Sample Amount : 1 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2519480
 Project Number : 2221378
 Date Collected : 04/01/25 16:16
 Date Received : 04/01/25
 Date Analyzed : 04/11/25 17:39
 Dilution Factor : 10
 Analyst : PID
 Instrument ID : VOA101
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	25	7.0	U
75-35-4	1,1-Dichloroethene	ND	5.0	1.7	U
156-60-5	trans-1,2-Dichloroethene	ND	25	7.0	U
79-01-6	Trichloroethene	ND	5.0	1.8	U
95-50-1	1,2-Dichlorobenzene	ND	25	7.0	U
541-73-1	1,3-Dichlorobenzene	ND	25	7.0	U
106-46-7	1,4-Dichlorobenzene	ND	25	7.0	U
1634-04-4	Methyl tert butyl ether	ND	25	1.7	U
179601-23-1	p/m-Xylene	ND	25	7.0	U
95-47-6	o-Xylene	ND	25	7.0	U
1330-20-7	Xylenes, Total	ND	25	7.0	U
156-59-2	cis-1,2-Dichloroethene	ND	25	7.0	U
540-59-0	1,2-Dichloroethene, Total	ND	25	7.0	U
74-95-3	Dibromomethane	ND	50	10.	U
96-18-4	1,2,3-Trichloropropane	ND	25	7.0	U
107-13-1	Acrylonitrile	ND	50	15.	U
100-42-5	Styrene	ND	25	7.0	U
75-71-8	Dichlorodifluoromethane	ND	50	10.	U J
67-64-1	Acetone	ND	50	15.	U J
75-15-0	Carbon disulfide	ND	50	10.	U
78-93-3	2-Butanone	ND	50	19.	U J
108-05-4	Vinyl acetate	ND	50	10.	U J
108-10-1	4-Methyl-2-pentanone	ND	50	10.	U J
591-78-6	2-Hexanone	ND	50	10.	U J
74-97-5	Bromochloromethane	ND	25	7.0	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: LaBella Associates	Lab Number	: L2519480
Project Name	: Warburton Dry Cleaners Site	Project Number	: 2221378
Lab ID	: L2519480-03D	Date Collected	: 04/01/25 16:16
Client ID	: MW-2 NESTED-D	Date Received	: 04/01/25
Sample Location	: YONKERS, NY	Date Analyzed	: 04/11/25 17:39
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01250411A25	Instrument ID	: VOA101
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	25	7.0	U J



Reviewer Comment: Qualification of several analytes as non-detect estimate "UJ" values is due to %D results outside laboratory limit within associated continuous calibration file V0125411A01.

Results Summary Form 1 Volatile Organics by GC/MS

Client : LaBella Associates
Project Name : Warburton Dry Cleaners Site
Lab ID : L2519480-04
Client ID : MW-6 NESTED-B
Sample Location : Yonkers, NY
Sample Matrix : Water
Analytical Method : 1,8260D
Lab File ID : V01250411A19
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L2519480
Project Number : 2221378
Date Collected : 03/31/25 16:00
Date Received : 04/01/25
Date Analyzed : 04/11/25 15:02
Dilution Factor : 1
Analyst : PID
Instrument ID : VOA101
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	0.96	2.5	0.70	J
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	11	2.5	0.70	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	19	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U J
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U J
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	2.6	2.5	0.70	
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U J
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners Site
 Lab ID : L2519480-04
 Client ID : MW-6 NESTED-B
 Sample Location : Yonkers, NY
 Sample Matrix : Water
 Analytical Method : 1,8260D
 Lab File ID : V01250411A19
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2519480
 Project Number : 2221378
 Date Collected : 03/31/25 16:00
 Date Received : 04/01/25
 Date Analyzed : 04/11/25 15:02
 Dilution Factor : 1
 Analyst : PID
 Instrument ID : VOA101
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U J
67-64-1	Acetone	3.1	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U J
108-05-4	Vinyl acetate	ND	5.0	1.0	U J
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U J
591-78-6	2-Hexanone	ND	5.0	1.0	U J
74-97-5	Bromochloromethane	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: LaBella Associates	Lab Number	: L2519480
Project Name	: Warburton Dry Cleaners Site	Project Number	: 2221378
Lab ID	: L2519480-04	Date Collected	: 03/31/25 16:00
Client ID	: MW-6 NESTED-B	Date Received	: 04/01/25
Sample Location	: YONKERS, NY	Date Analyzed	: 04/11/25 15:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01250411A19	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U ^J



Reviewer Comment: Qualification of several analytes as non-detect estimate "UJ" values is due to %D results outside laboratory limit within associated continuous calibration file V0125411A01.

Results Summary Form 1 Volatile Organics by GC/MS

Client : LaBella Associates
Project Name : Warburton Dry Cleaners Site
Lab ID : L2519480-05D
Client ID : MW-6 NESTED-C
Sample Location : Yonkers, NY
Sample Matrix : Water
Analytical Method : 1,8260D
Lab File ID : V01250411A20
Sample Amount : 2 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L2519480
Project Number : 2221378
Date Collected : 04/01/25 09:55
Date Received : 04/01/25
Date Analyzed : 04/11/25 15:28
Dilution Factor : 5
Analyst : PID
Instrument ID : VOA101
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	12	3.5	U
75-34-3	1,1-Dichloroethane	ND	12	3.5	U
67-66-3	Chloroform	11	12	3.5	J
56-23-5	Carbon tetrachloride	ND	2.5	0.67	U
78-87-5	1,2-Dichloropropane	ND	5.0	0.68	U
124-48-1	Dibromochloromethane	ND	2.5	0.74	U
79-00-5	1,1,2-Trichloroethane	ND	7.5	2.5	U
127-18-4	Tetrachloroethene	470	2.5	0.90	
108-90-7	Chlorobenzene	ND	12	3.5	U
75-69-4	Trichlorofluoromethane	ND	12	3.5	U
107-06-2	1,2-Dichloroethane	ND	2.5	0.66	U
71-55-6	1,1,1-Trichloroethane	ND	12	3.5	U
75-27-4	Bromodichloromethane	ND	2.5	0.96	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.82	U J
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.72	U J
542-75-6	1,3-Dichloropropene, Total	ND	2.5	0.72	U
563-58-6	1,1-Dichloropropene	ND	12	3.5	U
75-25-2	Bromoform	ND	10	3.2	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.84	U
71-43-2	Benzene	ND	2.5	0.80	U
108-88-3	Toluene	ND	12	3.5	U
100-41-4	Ethylbenzene	ND	12	3.5	U
74-87-3	Chloromethane	ND	12	3.5	U J
74-83-9	Bromomethane	ND	12	3.5	U
75-01-4	Vinyl chloride	ND	5.0	0.36	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners Site
 Lab ID : L2519480-05D
 Client ID : MW-6 NESTED-C
 Sample Location : Yonkers, NY
 Sample Matrix : Water
 Analytical Method : 1,8260D
 Lab File ID : V01250411A20
 Sample Amount : 2 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2519480
 Project Number : 2221378
 Date Collected : 04/01/25 09:55
 Date Received : 04/01/25
 Date Analyzed : 04/11/25 15:28
 Dilution Factor : 5
 Analyst : PID
 Instrument ID : VOA101
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	12	3.5	U
75-35-4	1,1-Dichloroethene	ND	2.5	0.84	U
156-60-5	trans-1,2-Dichloroethene	ND	12	3.5	U
79-01-6	Trichloroethene	ND	2.5	0.88	U
95-50-1	1,2-Dichlorobenzene	ND	12	3.5	U
541-73-1	1,3-Dichlorobenzene	ND	12	3.5	U
106-46-7	1,4-Dichlorobenzene	ND	12	3.5	U
1634-04-4	Methyl tert butyl ether	ND	12	0.83	U
179601-23-1	p/m-Xylene	ND	12	3.5	U
95-47-6	o-Xylene	ND	12	3.5	U
1330-20-7	Xylenes, Total	ND	12	3.5	U
156-59-2	cis-1,2-Dichloroethene	ND	12	3.5	U
540-59-0	1,2-Dichloroethene, Total	ND	12	3.5	U
74-95-3	Dibromomethane	ND	25	5.0	U
96-18-4	1,2,3-Trichloropropane	ND	12	3.5	U
107-13-1	Acrylonitrile	ND	25	7.5	U
100-42-5	Styrene	ND	12	3.5	U
75-71-8	Dichlorodifluoromethane	ND	25	5.0	U J
67-64-1	Acetone	ND	25	7.3	U J
75-15-0	Carbon disulfide	ND	25	5.0	U
78-93-3	2-Butanone	ND	25	9.7	U J
108-05-4	Vinyl acetate	ND	25	5.0	U J
108-10-1	4-Methyl-2-pentanone	ND	25	5.0	U J
591-78-6	2-Hexanone	ND	25	5.0	U J
74-97-5	Bromochloromethane	ND	12	3.5	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: LaBella Associates	Lab Number	: L2519480
Project Name	: Warburton Dry Cleaners Site	Project Number	: 2221378
Lab ID	: L2519480-05D	Date Collected	: 04/01/25 09:55
Client ID	: MW-6 NESTED-C	Date Received	: 04/01/25
Sample Location	: YONKERS, NY	Date Analyzed	: 04/11/25 15:28
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01250411A20	Instrument ID	: VOA101
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	12	3.5	U J



Reviewer Comment: Qualification of several analytes as non-detect estimate "UJ" values is due to %D results outside laboratory limit within associated continuous calibration file V0125411A01.

Results Summary Form 1 Volatile Organics by GC/MS

Client : LaBella Associates
Project Name : Warburton Dry Cleaners Site
Lab ID : L2519480-06D
Client ID : MW-6 NESTED-D
Sample Location : Yonkers, NY
Sample Matrix : Water
Analytical Method : 1,8260D
Lab File ID : V01250411A21
Sample Amount : 1 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L2519480
Project Number : 2221378
Date Collected : 04/01/25 11:40
Date Received : 04/01/25
Date Analyzed : 04/11/25 15:54
Dilution Factor : 10
Analyst : PID
Instrument ID : VOA101
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	25	7.0	U
75-34-3	1,1-Dichloroethane	ND	25	7.0	U
67-66-3	Chloroform	ND	25	7.0	U
56-23-5	Carbon tetrachloride	ND	5.0	1.3	U
78-87-5	1,2-Dichloropropane	ND	10	1.4	U
124-48-1	Dibromochloromethane	ND	5.0	1.5	U
79-00-5	1,1,2-Trichloroethane	ND	15	5.0	U
127-18-4	Tetrachloroethene	810	5.0	1.8	
108-90-7	Chlorobenzene	ND	25	7.0	U
75-69-4	Trichlorofluoromethane	ND	25	7.0	U
107-06-2	1,2-Dichloroethane	ND	5.0	1.3	U
71-55-6	1,1,1-Trichloroethane	ND	25	7.0	U
75-27-4	Bromodichloromethane	ND	5.0	1.9	U
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.6	U J
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.4	U J
542-75-6	1,3-Dichloropropene, Total	ND	5.0	1.4	U
563-58-6	1,1-Dichloropropene	ND	25	7.0	U
75-25-2	Bromoform	ND	20	6.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.7	U
71-43-2	Benzene	ND	5.0	1.6	U
108-88-3	Toluene	ND	25	7.0	U
100-41-4	Ethylbenzene	ND	25	7.0	U
74-87-3	Chloromethane	ND	25	7.0	U J
74-83-9	Bromomethane	ND	25	7.0	U
75-01-4	Vinyl chloride	ND	10	0.71	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners Site
 Lab ID : L2519480-06D
 Client ID : MW-6 NESTED-D
 Sample Location : Yonkers, NY
 Sample Matrix : Water
 Analytical Method : 1,8260D
 Lab File ID : V01250411A21
 Sample Amount : 1 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2519480
 Project Number : 2221378
 Date Collected : 04/01/25 11:40
 Date Received : 04/01/25
 Date Analyzed : 04/11/25 15:54
 Dilution Factor : 10
 Analyst : PID
 Instrument ID : VOA101
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	25	7.0	U
75-35-4	1,1-Dichloroethene	ND	5.0	1.7	U
156-60-5	trans-1,2-Dichloroethene	ND	25	7.0	U
79-01-6	Trichloroethene	ND	5.0	1.8	U
95-50-1	1,2-Dichlorobenzene	ND	25	7.0	U
541-73-1	1,3-Dichlorobenzene	ND	25	7.0	U
106-46-7	1,4-Dichlorobenzene	ND	25	7.0	U
1634-04-4	Methyl tert butyl ether	ND	25	1.7	U
179601-23-1	p/m-Xylene	ND	25	7.0	U
95-47-6	o-Xylene	ND	25	7.0	U
1330-20-7	Xylenes, Total	ND	25	7.0	U
156-59-2	cis-1,2-Dichloroethene	ND	25	7.0	U
540-59-0	1,2-Dichloroethene, Total	ND	25	7.0	U
74-95-3	Dibromomethane	ND	50	10.	U
96-18-4	1,2,3-Trichloropropane	ND	25	7.0	U
107-13-1	Acrylonitrile	ND	50	15.	U
100-42-5	Styrene	ND	25	7.0	U
75-71-8	Dichlorodifluoromethane	ND	50	10.	U J
67-64-1	Acetone	ND	50	15.	U J
75-15-0	Carbon disulfide	ND	50	10.	U
78-93-3	2-Butanone	ND	50	19.	U J
108-05-4	Vinyl acetate	ND	50	10.	U J
108-10-1	4-Methyl-2-pentanone	ND	50	10.	U J
591-78-6	2-Hexanone	ND	50	10.	U J
74-97-5	Bromochloromethane	ND	25	7.0	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: LaBella Associates	Lab Number	: L2519480
Project Name	: Warburton Dry Cleaners Site	Project Number	: 2221378
Lab ID	: L2519480-06D	Date Collected	: 04/01/25 11:40
Client ID	: MW-6 NESTED-D	Date Received	: 04/01/25
Sample Location	: YONKERS, NY	Date Analyzed	: 04/11/25 15:54
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01250411A21	Instrument ID	: VOA101
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	25	7.0	U J



Reviewer Comment: Qualification of several analytes as non-detect estimate "UJ" values is due to %D results outside laboratory limit within associated continuous calibration file V05250414A01.

Results Summary Form 1 Volatile Organics by GC/MS

Client : LaBella Associates
Project Name : Warburton Dry Cleaners Site
Lab ID : L2519480-07D
Client ID : DUPLICATE
Sample Location : Yonkers, NY
Sample Matrix : Water
Analytical Method : 1,8260D
Lab File ID : V05250414A10
Sample Amount : 0.2 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L2519480
Project Number : 2221378
Date Collected : 04/01/25 00:00
Date Received : 04/01/25
Date Analyzed : 04/14/25 11:01
Dilution Factor : 50
Analyst : MJV
Instrument ID : VOA105
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	120	35.	U
75-34-3	1,1-Dichloroethane	ND	120	35.	U
67-66-3	Chloroform	ND	120	35.	U
56-23-5	Carbon tetrachloride	ND	25	6.7	U
78-87-5	1,2-Dichloropropane	ND	50	6.8	U
124-48-1	Dibromochloromethane	ND	25	7.4	U
79-00-5	1,1,2-Trichloroethane	ND	75	25.	U
127-18-4	Tetrachloroethene	5400	25	9.0	
108-90-7	Chlorobenzene	ND	120	35.	U
75-69-4	Trichlorofluoromethane	ND	120	35.	U
107-06-2	1,2-Dichloroethane	ND	25	6.6	U
71-55-6	1,1,1-Trichloroethane	ND	120	35.	U
75-27-4	Bromodichloromethane	ND	25	9.6	U
10061-02-6	trans-1,3-Dichloropropene	ND	25	8.2	U
10061-01-5	cis-1,3-Dichloropropene	ND	25	7.2	U
542-75-6	1,3-Dichloropropene, Total	ND	25	7.2	U
563-58-6	1,1-Dichloropropene	ND	120	35.	U
75-25-2	Bromoform	ND	100	32.	U J
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	8.4	U
71-43-2	Benzene	ND	25	8.0	U
108-88-3	Toluene	ND	120	35.	U
100-41-4	Ethylbenzene	ND	120	35.	U
74-87-3	Chloromethane	ND	120	35.	U
74-83-9	Bromomethane	ND	120	35.	U J
75-01-4	Vinyl chloride	ND	50	3.6	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners Site
 Lab ID : L2519480-07D
 Client ID : DUPLICATE
 Sample Location : Yonkers, NY
 Sample Matrix : Water
 Analytical Method : 1,8260D
 Lab File ID : V05250414A10
 Sample Amount : 0.2 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2519480
 Project Number : 2221378
 Date Collected : 04/01/25 00:00
 Date Received : 04/01/25
 Date Analyzed : 04/14/25 11:01
 Dilution Factor : 50
 Analyst : MJV
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	120	35.	U
75-35-4	1,1-Dichloroethene	ND	25	8.4	U
156-60-5	trans-1,2-Dichloroethene	ND	120	35.	U
79-01-6	Trichloroethene	ND	25	8.8	U
95-50-1	1,2-Dichlorobenzene	ND	120	35.	U
541-73-1	1,3-Dichlorobenzene	ND	120	35.	U
106-46-7	1,4-Dichlorobenzene	ND	120	35.	U
1634-04-4	Methyl tert butyl ether	ND	120	8.3	U
179601-23-1	p/m-Xylene	ND	120	35.	U
95-47-6	o-Xylene	ND	120	35.	U
1330-20-7	Xylenes, Total	ND	120	35.	U
156-59-2	cis-1,2-Dichloroethene	ND	120	35.	U
540-59-0	1,2-Dichloroethene, Total	ND	120	35.	U
74-95-3	Dibromomethane	ND	250	50.	U
96-18-4	1,2,3-Trichloropropane	ND	120	35.	U
107-13-1	Acrylonitrile	ND	250	75.	U
100-42-5	Styrene	ND	120	35.	U
75-71-8	Dichlorodifluoromethane	ND	250	50.	U
67-64-1	Acetone	ND	250	73.	U
75-15-0	Carbon disulfide	ND	250	50.	U
78-93-3	2-Butanone	ND	250	97.	U J
108-05-4	Vinyl acetate	ND	250	50.	U
108-10-1	4-Methyl-2-pentanone	ND	250	50.	U
591-78-6	2-Hexanone	ND	250	50.	U J
74-97-5	Bromochloromethane	ND	120	35.	U



Reviewer Comment: Qualification of several analytes as non-detect estimate "UJ" values is due to %D results outside laboratory limit within associated continuous calibration file V0125411A01.

Results Summary Form 1 Volatile Organics by GC/MS

Client : LaBella Associates
Project Name : Warburton Dry Cleaners Site
Lab ID : L2519480-08
Client ID : TRIP BLANK
Sample Location : Yonkers, NY
Sample Matrix : Water
Analytical Method : 1,8260D
Lab File ID : V01250411A18
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L2519480
Project Number : 2221378
Date Collected : 03/31/25 00:00
Date Received : 04/01/25
Date Analyzed : 04/11/25 14:36
Dilution Factor : 1
Analyst : PID
Instrument ID : VOA101
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U J
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U J
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U J
74-83-9	Bromomethane	0.79	2.5	0.70	J
75-01-4	Vinyl chloride	ND	1.0	0.07	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : LaBella Associates
 Project Name : Warburton Dry Cleaners Site
 Lab ID : L2519480-08
 Client ID : TRIP BLANK
 Sample Location : Yonkers, NY
 Sample Matrix : Water
 Analytical Method : 1,8260D
 Lab File ID : V01250411A18
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2519480
 Project Number : 2221378
 Date Collected : 03/31/25 00:00
 Date Received : 04/01/25
 Date Analyzed : 04/11/25 14:36
 Dilution Factor : 1
 Analyst : PID
 Instrument ID : VOA101
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U J
67-64-1	Acetone	ND	5.0	1.5	U J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U J
108-05-4	Vinyl acetate	ND	5.0	1.0	U J
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U J
591-78-6	2-Hexanone	ND	5.0	1.0	U J
74-97-5	Bromochloromethane	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: LaBella Associates	Lab Number	: L2519480
Project Name	: Warburton Dry Cleaners Site	Project Number	: 2221378
Lab ID	: L2519480-08	Date Collected	: 03/31/25 00:00
Client ID	: TRIP BLANK	Date Received	: 04/01/25
Sample Location	: YONKERS, NY	Date Analyzed	: 04/11/25 14:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01250411A18	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U J