

# Geotechnical Environmental Site Civil

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# Phase II Environmental Site Assessment Report

For:

Proposed Mixed-Use Development 34 State Street Block 2, Lots 17, 18 & 68 Ossining, Westchester County, NY

Prepared for:

**WB 34 State LLC** 

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**SESI Project No:** 

13968

Date:

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# LIST OF ACRONYMS

Acronym	Definition
ACM	Asbestos Containing Material
AWQS	Class GA Ambient Water Quality Standards and
	Guidance Values
ВСР	Brownfield Cleanup Program
BER	Business Environmental Risks
Bgs	below ground surface
COC	Chain of Custody
ELAP	Environmental laboratory Accreditation Program
ESA	Environmental Site Assessment
LBP	Lead-based Paint
LUST	Leaking Underground Storage Tank
NYSDEC	New York State Department of Environmental
	Conservation
NYSDOH	New York State Department of Health
PAH	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyls
PID	Photoionization Detector
Ppm	parts per million
REC	Recognized Environmental Conditions
RRSCO	Restricted Residential Soil Cleanup Objective
RSCO	Residential Soil Cleanup Objective
SESI	SESI Consulting Engineers, DPC
TAL	Target Analyte List
TCL	Target Compound List
TIC	Tentatively Identified Compound
TOGS	Technical and Operational Guidance Series 1.1.1
TPH	Total Petroleum Hydrocarbons
USCO	Unrestricted Use Soil Cleanup Objective
UST	Underground Storage Tank
VOC	Volatile Organic Compound



#### 1.0 INTRODUCTION

SESI Consulting Engineers (SESI), on behalf of the Requestor WB State Street, LLC, has completed our Phase II Investigation for the referenced Subject Property located at 34 State Street, Ossining, Westchester County, New York. It should be noted that this Phase II Environmental Site Assessment (ESA) Report has been developed to support your due diligence and a future brownfield cleanup application for entry into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP). The results of our investigation are provided herein.

#### 1.1 SUBJECT PROPERTY SETTING

The Subject Property consists of an approximately 5.858 -acre parcel located at 34 State Street in Ossining, Westchester County, New York (Subject Property). The Subject Property was identified on local tax map records as Block 2, Lots 17,18 and 68. The property is currently developed with an asphalt lot, former building footprints, demolition debris, one (1) large three (3) story residential historic house building, one (1) shed and wooded areas. The Subject Property is bound to the north by a day care center, to the south by James Street and residences beyond, to the west by Hunter Street and residences beyond, and to the east by State Street and residential/commercial uses. The nearest surface water body is the Hudson River located approximately 760 feet west and significantly downgradient of the Subject Property. A Subject Property Location Map is provided as **Figure 1.1**. A Subject Property Plan is included as **Figure 1.2**.

The historic residential house building was erected in approximately 1840 as residential estate known as the Smith Robinson estate; two (2) additions were built in 1929 to add on a community center use; and from 1940 to 1981 the Subject Property operated as the Printex Corporation of America as a clothing printing and textile design facility. Another additional building was constructed in 1968 for the company. A wastewater lagoon was also identified associated with the historic property operations of the Printex Corporation of America at the southeast. This lagoon was reported used for wastewater treatment/management by Printex, according to the Westchester County DOH and per SESI's June 2025 Phase I ESA further discussed. From the 1980's to 2006 the facility was utilized by Hudson River Inlay, Inc. a woodworking company. This company utilized underground storage tanks that they closed in place or removed over time.

#### 1.2 PROPOSED DEVELOPMENT

The proposed Subject Property redevelopment is anticipated to consist of two (2) primarily residential buildings one for 100 affordable housing units and the other for 50 market rate apartments



with commercial components on the ground floor. There will also be a public park created on the property in roughly the same area as the first historic segregated African American park. Formal Site Plans are anticipated to be developed during the design phase of the project.

#### 1.3 SUBJECT PROPERTY GEOLOGY

As per the USDA National Cooperative Soil Survey (NCSS) map for the area, the soils at the Subject Property are characterized as Uf (Urban Land) with the sloped area to the west containing CsD (Chatfield-Charlton complex), which is classified as containing 15 to 35 percent slopes and is noted as very rocky. Groundwater was not encountered at the Subject Property. The 2025 Phase II investigation did not encounter groundwater to a depth of 25 ft bgs on the eastern, higher elevation, portion of the Subject Property. The groundwater flow direction is expected to be in the west direction following topography towards the Hudson River.

#### 1.4 PREVIOUS INVESTIGATIONS

The following environmental reports were prepared for the Subject Property and are summarized in the following sections:

- Phase I ESA, 34 State Street, Ossining, NY, prepared by Team Environmental Consultants, Inc, date unknown
- Phase II ESA, 34 State Street, Ossining, NY, prepared by DT Consulting Services, dated May 31, 2005
- Phase I ESA, 34 State Street, 17-25 James Street & Hunter Street (Lots 17, 18 and 68),
   Ossining, NY, prepared by EBI Consulting, dated January 18, 2016
- Phase I Environmental Site Assessment, 34 State Street, Ossining, NY, prepared by SESI Consulting Engineers (SESI), dated June 2025

The reports are further summarized below:

#### 1.4.1 PHASE I ESA, TEAM ENVIRONMENTAL CONSULTANTS, INC

The following is a summary review of the reports referenced in this Phase I as well as the conclusions therein:

- Phase I ESA, January 21, 1994, prepared by Dames & More
  - Closed in place 10,000-gallon underground storage tank (UST) at the western portion of the property. Backfilled and covered with concrete.



- Noted that a previous Phase II by SSI advanced soil samples and identified total petroleum hydrocarbon (TPH) concentrations at 30-114 parts per million (ppm).
- Closed in place two (2) other USTs after a GPR sweep (1,000 and 3,000-gallon USTs with oil/water mix).
  - Centerline samples noted to be collected and reportedly did not indicate TPH.
- Waste treatment lagoon at the southeast was noted not to adversely impact the quality of the property.
- Phase I ESA, May 7, 2003, prepared by EES
  - Recommended asbestos containing material (ACM) survey
  - Recommended identifying tanks, concrete storage lagoons and garage area in a Phase II
- Phase II ESA, May 16, 2003, prepared by EES
  - Nine (9) soil borings within the western area of the 10,000-gallon UST and storage garage areas
  - No samples were collected for laboratory analysis. Just screened with a photoionization detector (PID) and did not identify observable contamination.

No further investigations were recommended.

#### 1.4.2 PHASE II ESA, DT CONSULTING SERVICES, MAY 31, 2005

The following is a summary review of this Phase II ESA as well as the conclusions therein:

- History: Original building erected in 1840 as residential; 2 additions built in 1929 as a community center; 1940-1981 it was the Printex Corporation of America as a clothing printing and textile design facility. Another additional building constructed in 1968.
- Site is identified in CERCLIS and PBS
  - Known PBS in the north; three (3) USTs identified on figure
  - Waste treatment lagoon in the southeast corner
  - General equipment and storage at the west
- 7 soil borings
  - Advanced eight (8) to 12 ft feet below ground surface (bgs)
  - Characterization: light brown sandy loam (fill) with traces of gravel approximately 0 to four (4) feet bgs, underlain by fine-medium sand with clay and schist fragments.
  - Bedrock encountered between eight (8) and nine (9) feet bgs
  - Groundwater not encountered



- No visual or olfactory or PID observations/ readings
- Seven (7) borings were composited to form only three (3) sample sets
  - Volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), Metals; Detections of low levels
- Determined no further investigation based on the results

#### 1.4.3 PHASE I ESA, EBI CONSULTING, JANUARY 18, 2016

The following is a summary review of this Phase I ESA as well as the conclusions therein:

#### REC - USTs:

- The USTs documented by Creative Design [a/k/a/ Hudson River Inlay Inc.], a former Tenant are as follows:
  - 1x 10,000-gallon UST, closed in place on September 1, 1986.
  - 1x 1,000-gallon UST, removed on December 1, 2003.
  - 1x 3,000-gallon UST, removed on December 1, 2003.
  - No leaking underground storage tank (LUST) releases were reported.
     However, no closure reports were identified.
  - Identifying closure documents in a record review or a Phase II were recommended.

#### ACM:

 EBI conducted a preliminary screening of ACM in the building and identified some suspect ACM. This is out of scope of the Phase I ASTM, and is not considered a REC; however, a full ACM survey was recommended.

#### 1.4.4 PHASE I ESA, SESI CONSULTING ENGINEERS, JUNE 2025

The Phase I ESAs prepared by SESI identified the following Recognized Environmental Conditions (RECs) and Business Environmental Risks (BERs) for the subject property:

was erected in 1840 as residential estate; two (2) additions were built in 1929 as a community center; and in 1940-1981 the footprints of the buildings were expanded to accommodate the Printex Corporation of America, which operated as a scarf printing and textile design facility. Another addition was constructed in 1968. The facility utilized a wastewater treatment lagoon at the southeast. The presence of the lagoon led to the listing of the property as a State Superfund program (Site ID No. 360002). However, the property was classified as a Class N



No further action site based on comments from the Westchester County Department of Health (WC DOH) which indicated the lagoons were used for on-site wastewater treatment and not hazardous waste disposal associated with the former Printex operations. Furthermore, there were some laundry operations at the center of the Subject Property circa 1911. Finally the Hudson River Inlay woodworking company utilized USTs, and its woodworking operation from approximately 1980s to 2006 also could have resulted in contamination. Based on this history observed from the Sanborn maps and previous reports, the historic operations from the textile, woodworking and laundry facilities may have adversely impacted the Subject Property and warrant further investigation.

- REC 2 Underground Storage Tanks: The following USTs were identified to be either closed in place or removed: 1x 10,000-gallon UST, closed in place on September 1, 1986; 1x 1,000-gallon UST, removed or closed in place on December 1, 2003; and 1x 3,000-gallon UST, removed or closed in place on December 1, 2003. No leaking underground storage tank (LUST) releases were reported. However, no closure reports were identified. Identifying closure documents in a record review or a Phase II is recommended.
- REC 3 Historic Fill: Historic fill has reportedly been identified at the Subject Property
  during geotechnical and environmental investigations. Additional subsurface soil
  sampling is recommended to characterize fill material should special handling and/or
  disposal of disturbed soil be required during Subject Property redevelopment.

The following BERs have been identified:

- BER 1 Historic Land Use: The historic 2006 aerial imagery identified clearing of vegetation on Lot 68; however, this vegetation returned in 2011 per the next available aerial. It was unclear if this area had been regraded or there were former operations on this lot that may have adversely impacted the Subject Property. Further investigation is recommended into the use of Lot 68 and the reasoning for clearing. Additional soil investigation is recommended to determine if historic fill is present.
- BER 2 Aboveground Storage Tank (AST): SESI identified one (1) yellow steel aboveground storage tank adjacent to several unused items at the southwest of Lot 17. This tank appeared to not be in use and was intact, with no evidence of staining. Therefore, no further investigation is warranted; however, proper disposal of this AST is recommended. No closure documentation is required.



- BER 3 Drum: There was one (1) plastic 55-gallon tote identified to the south of the northern shed. This tote appeared to contain soil and was unlabeled. No staining was visible around the tote and it appeared to be in good condition. Therefore, SESI recommends proper removal/disposal of this tote.
- BER 4 Stockpiles: There were several stockpiles of building materials scattered throughout the Subject Property, around building footprints, and on the periphery of the vegetated area of Lot 68. These stockpiles were not observed to have exhibited petroleum impacts. Therefore, SESI recommends the proper testing and disposal of these demolition debris prior to or during redevelopment.
- BER 5 Hazardous Building Materials: An asbestos containing material (ACM), lead-based paint (LBP), polychlorinated biphenyl (PCB) caulk and universal waste survey was not conducted as part of this Phase I Environmental Site Assessment. Based on the age of the structures located on the Subject Property, the presence of these materials cannot be ruled out. Therefore, a comprehensive hazardous material survey is recommended prior to demolition or redevelopment.



#### 2.0 SUBSURFACE INVESTIGATION

SESI conducted a Phase II ESA to evaluate subsurface conditions. The investigation included ground penetrating radar (GPR) surveys, advancement of soil borings and collection of soil samples, installation of a temporary wellpoint, and installation and sampling of soil vapor points. The investigation was conducted between January and March 2025.

In total, 51 soil samples were collected from 51 soil borings advanced to a maximum depth of 17 ft bgs; one (1) temporary well was installed to 25 ft bgs but no (0) groundwater samples were collected because groundwater was not encountered at this depth; two (2) sub-slab and two (2) soil vapor points with a total of four (4) soil vapor samples and one (1) indoor air sample collected. The sampling locations are depicted on **Figure 2.1**. The subsurface investigation is further discussed in the following sections.

#### 2.1 UTILITY CLEARANCE AND GEOPHYSICAL SURVEY

Prior to conducting subsurface drilling for the investigation, SESI's drilling contractor, PG Environmental, contacted the New York One Call utility mark-out system. In addition, SESI retained PG Environmental to perform a geophysical survey using GPR and electromagnetic detection equipment to clear proposed sample locations and identify and subsurface anomalies representative of USTs. The GPR survey identified one (1) subsurface anomaly near a known historic tank field, however, was inhibited in this area due to the amount of building debris interfering with the equipment.

#### 2.2 SOIL INVESTIGATION

A total of 51 soil borings were advanced throughout the Subject Property using direct push drilling techniques to a maximum depth of 17 ft-bgs. The recovered soil cores from the borings were field screened with a PID and observed for visual and olfactory indications of contamination. PID readings were generally below 1.0 parts per million (ppm); however, strong chemical odors were found at SB-206 and contained elevated PID readings at from 0-8 ft-bgs and 16-381 ppm. Historic fill generally consisted of brown coarse to fine sand, coarse to fine gravel, with brick, concrete and organics. The historic fill materials were encountered to a maximum of 17 ft-bgs with many borings encountering refusal at bedrock.

**Table 2.1** below presents a list of the borings, sample IDs, boring depth, sample date and analysis completed. The soil boring logs are presented in **Appendix A**. A total of 51 soil samples were collected from the borings and submitted under proper chain of custody (COC) to Pace Analytical



Laboratories and SGS Galson, New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratories. All soil samples were collected as discrete grab samples.

Table 2.1 – Soil Boring Summary Table

Boring ID	Sam ple ID	Sample Date	Sample Depth (ft bgs)	Analysis
EB-01	EB-01 (2-2.5)	4/23/2025	2.0-2.5	TCL+30/TAL
EB-02	EB-02 (3-3.5)	4/23/2025	3.0-3.5	TCL+30/TAL
EB-03	EB-03 (2.5-3)	4/23/2025	2.5-3.0	TCL+30/TAL
EB-04	EB-04 (1.5-2)	4/23/2025	1.5-2.0	TCL+30/TAL
EB-05	EB-05 (4.5-5)	4/23/2025	4.5-5.0	TCL+30/TAL
EB-06	EB-06 (7-7.5)	4/23/2025	7.0-7.5	TCL+30/TAL
EB-07	EB-07 (4-4.5)	4/23/2025	4.0-4.5	TCL+30/TAL
EB-08	EB-08 (3.5-4)	4/23/2025	3.5-4.0	TCL+30/TAL
EB-09	EB-09 (4.5-5)	4/23/2025	4.5-5.0	TCL+30/TAL
EB-10	EB-10 (4.5-5.0')	4/24/2025	4.5-5.0	TCL+30/TAL
EB-11	EB-11 (6.5-7.0')	4/24/2025	6.5-7.0	TCL+30/TAL
EB-12	EB-12 (4.5-5.0')	4/24/2025	4.5-5.0	TCL+30/TAL
EB-13	EB-13 (2.5-3.0')	4/24/2025	2.5-3.0	TCL+30/TAL
EB-14	EB-14 (2.5-3.0')	4/24/2025	2.5-3.0	TCL+30/TAL
EB-15	EB-15 (4.5-5.0')	4/24/2025	4.5-5.0	TCL+30/TAL
EB-16	EB-16 (0.5-1.0')	4/24/2025	0.5-1.0	TCL+30/TAL
EB-17	EB-17 (4.5-5.0')	4/24/2025	4.5-5.0	TCL+30/TAL
EB-18	EB-18 (4.5-5.0')	4/24/2025	4.5-5.0	TCL+30/TAL
EB-19	EB-19 (2.5-3.0')	4/24/2025	2.5-3.0	TCL+30/TAL

#### 2.2.1 SOIL ANALYTICAL RESULTS

A total of 51 subsurface soil samples were collected during the investigation to evaluate the potential impacts from former Subject Property uses. The soil samples were submitted to Pace Analytical Laboratory and SGS Galson for analysis of the Target Compound List (TCL) plus thirty (30) tentatively identified compounds (TICs)/Target Analyte List (TAL) suite, which includes VOCs, SVOCs, PCBs, TAL metals, pesticides, and cyanide.



A summary table of the analytical results compared to NYSDEC Unrestricted Soil Cleanup Objectives (USCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs), is presented in the attached **Table 2.2**. The laboratory analytical reports are provided in **Appendix B**. The following **Table 2.3** presents a summary of NYSDEC SCO exceedances. The soil sampling results are shown on **Figure 2.2**.

Table 2.3 - Summary of Soil Exceedances

SAMPLEID:			UST-1 (7-7.5)	UST-2 (8-8.5)	UST-3 (9-9.5)	HF-1 (6.5-7)	HF-2 (2-2.5)	HF-3 (3.5-4)
SAMPLE DATE:			1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025
SAMPLE DEPTH (FT):			7.0-7.5	8.0-8.5	9.0-9.5	6.5-7.0	2.0-2.5	3.5-4.0
ANALYTE	NY-RESRR	NY-UNRES	Conc	Conc	Conc	Conc	Conc	Conc
Metals (mg/kg)								
Copper	50	270	20.6	15.3	19.9	46.3	28.2	25.1
Lead	63	400	13.6	10	10.7	67.7	326	67.9
Manganese	1600	2000	382	338	601	425	406	435
Mercury	0.18	0.81	<0.035	0.14	<0.035	0.12	0.41	0.29
Nickel	30	310	12.5	14.9	17.4	14.2	12	30.7
Zinc	109	10000	44.2	32.6	40.4	77.8	139	92
SVOCs (mg/kg)								
Benzo(a)anthracene	1	1	ND	ND	ND	0.0337 J	0.0976	0.0785
Benzo(a)pyrene	1	1	ND	ND	ND	0.0305 J	0.123	0.0828
Benzo(b)fluoranthene	1	1	ND	ND	ND	0.0396	0.191	0.107
Benzo(k)fluoranthene	0.8	3.9	ND	ND	ND	ND	0.0751	0.0416
Chrysene	1	3.9	ND	ND	ND	0.033 J	0.137	0.0742
Dibenzo(a,h)anthracene	0.33	0.33	ND	ND	ND	ND	0.0293 J	ND
Indeno(1,2,3-cd)pyrene	0.5	0.5	ND	ND	ND	0.02 J	0.0938	0.0382
Pesticides (mg/kg)								
Dieldrin	0.005	0.2	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	8.9	ND	ND	ND	0.00085	0.0012 <sup>d</sup>	ND
4,4'-DDT	0.0033	7.9	ND	ND	ND	0.0021	0.005	ND
PCBs (mg/kg)								
Aroclor 1254	0.1	1	ND	ND	ND	0.0298 J <sup>a</sup>	ND	ND
Aroclor 1260	0.1	1	ND	ND	ND	ND	0.0168 J	ND



SAMPLE ID:			HF-4 (0.5-1)	HF-5 (0.5-1)	HF-6 (1.5-2)	HF-7 (1-1.5)	HF-8 (4-4.5)	HF-9 (1-1.5)
SAMPLE DATE:			1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025
SAMPLE DEPTH (FT):			0.5-1.0	0.5-1.0	1.5-2.0	1.0-1.5	4.0-4.5	1.0-1.5
ANALYTE	NY-RESRR	NY-UNRES	Conc	Conc	Conc	Conc	Conc	Conc
Metals (mg/kg)								
Copper	50	270	21.9	17.7	18	7.4	11.5	15.8
Lead	63	400	278	37.8	126	12.3	70.3	6.2
Manganese	1600	2000	618	277	584	146	404	321
Mercury	0.18	0.81	0.15	0.032	0.12	<0.027	0.088	<0.033
Nickel	30	310	14.3	10.4	12.8	4.9	13.7	13.5
Zinc	109	10000	124	35.6	63.7	14.2	43.1	27.4
SVOCs (mg/kg)								
Benzo(a)anthracene	1	1	2.25	0.114	0.0193 J	0.0292 J	ND	0.367
Benzo(a)pyrene	1	1	3.06	0.116	0.0211 J	0.0204 J	ND	0.304
Benzo(b)fluoranthene	1	1	3.35	0.134	0.0294 J	0.0289 J	ND	0.351
Benzo(k)fluoranthene	0.8	3.9	1.16	0.0535	ND	ND	ND	0.138
Chrysene	1	3.9	2.13	0.117	0.0214 J	0.0291 J	ND	0.338
Dibenzo(a,h)anthracene	0.33	0.33	0.524	0.025 J	ND	ND	ND	0.0399
Indeno(1,2,3-cd)pyrene	0.5	0.5	1.91	0.073	ND	ND	ND	0.141
Pesticides (mg/kg)								
Dieldrin	0.005	0.2	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	8.9	0.0142	ND	0.0098	0.00078	ND	ND
4,4'-DDT	0.0033	7.9	0.0296	0.0008	0.00096	0.00085	ND	ND
PCBs (mg/kg)								
Aroclor 1254	0.1	1	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.1	1	0.0194 J <sup>a</sup>	ND	ND	ND	ND	ND

SAMPLEID:			HF-10 (1-1.5)	HF-11 (0.5-1)	HF-12 (4-4.5)	HPO-1 (13.5-14)	HPO-2 (1.5-2)
SAMPLE DATE:			1/31/2025	1/31/2025	1/31/2025	1/31/2025	1/31/2025
SAMPLE DEPTH (FT):			1.0-1.5	0.5-1.0	4.0-4.5	13.5-14.0	1.5-2.0
ANALYTE	NY-RESRR	NY-UNRES	Conc	Conc	Conc	Conc	Conc
Metals (mg/kg)							
Copper	50	270	17.7	4.3	29.7	3840	24.4
Lead	63	400	60.2	24.5	352	2180	15.5 °
Manganese	1600	2000	511	496	415	19400	791
Mercury	0.18	0.81	0.21	0.16	0.96	1.5	<0.028
Nickel	30	310	12.4	5.6	15.5	38.1	20.2
Zinc	109	10000	205	20.9	159	214	58.6
SVOCs (mg/kg)							
Benzo(a)anthracene	1	1	0.694	ND	0.0287 J	ND	ND
Benzo(a)pyrene	1	1	0.642	ND	0.0388 J	ND	ND
Benzo(b)fluoranthene	1	1	0.755	ND	0.0563	ND	ND
Benzo(k)fluoranthene	0.8	3.9	0.287	ND	ND	ND	ND
Chrysene	1	3.9	0.616	ND	0.028 J	ND	ND
Dibenzo(a,h)anthracene	0.33	0.33	0.128	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.328	ND	0.0263 J	ND	ND
Pesticides (mg/kg)							
Dieldrin	0.005	0.2	0.0119 <sup>d</sup>	ND	ND	ND	ND
4,4'-DDE	0.0033	8.9	ND	ND	0.0014 <sup>d</sup>	ND	0.0014
4,4'-DDT	0.0033	7.9	0.0426 <sup>d</sup>	ND	0.0018	ND	0.00091
PCBs (mg/kg)							
Aroclor 1254	0.1	1	2.32	ND	ND	ND	ND
Aroclor 1260	0.1	1	0.245	ND	ND	ND	ND



SAMPLE ID:			SB201 (0.5	5-1)	SB202 (0.5	5-1)	SB203 (1-	1.5)	SB204 (0.5-1	) SB205 (0.5	5-1)	SB206 (0.5	5-1)
COLLECTION DATE:			3/20/202	5	3/20/202	5	3/20/202	25	3/20/2025	3/20/202	:5	3/20/202	25
SAMPLE DEPTH:			0.5-1.0		0.5-1.0		1.0-1.5	5	0.5-1.0	0.5-1.0		0.5-1.0	,
ANALYTE	NY-RESRR	NY-UNRES	Conc	Ø	Conc	Q	Conc	D	Conc (	Conc	Q	Conc	Q
VOCs (mg/kg)													
Xylenes, Total	100	0.26	ND		ND		ND		ND	ND		6.5	
2-Butanone	100	0.12	ND		ND		ND		ND	ND		0.26	J
1,2,4-Trimethylbenzene	52	3.6	ND		ND		ND		ND	ND		9.3	
SVOCs (mg/kg)													
Benzo(a)anthracene	1	1	0.024	J	0.059	J	0.033	J	ND	ND		4.7	
Benzo(a)pyrene	1	1	ND		0.065	J	ND		ND	ND		3.9	
Benzo(b)fluoranthene	1	1	0.033	J	0.084	J	0.034	J	ND	ND		5	
Benzo(k)fluoranthene	3.9	0.8	ND		ND		ND		ND	ND		1.8	
Chrysene	3.9	1	0.027	J	0.063	J	0.026	J	ND	ND		4.5	
Dibenzo(a,h)anthracene	0.33	0.33	ND		ND		ND		ND	ND		0.58	J
Indeno(1,2,3-cd)pyrene	0.5	0.5	ND		0.042	J	ND		ND	ND		2.2	
Pesticides (mg/kg)													
4,4'-DDE	8.9	0.0033	ND		0.00095	J	ND		0.00961	ND		0.00429	
4,4'-DDT	7.9	0.0033	ND		ND		ND		0.00359	ND		0.0172	IP
PCBs (mg/kg)													
Aroclor 1260	1	0.1	ND		ND		ND		ND	ND		0.174	
PCBs, Total	1	0.1	ND		ND		ND		ND	ND		0.29	J
Metals (mg/kg)													
Barium, Total	400	350	80.7		104		68.4		116	62.1		1160	П
Cadmium, Total	4.3	2.5	0.15	J	0.094	J	ND		ND	0.056	J	4.99	П
Copper, Total	270	50	24.8		20.7		9.94		17.6	16.6		2700	
Lead, Total	400	63	18.4		214		186		430	44.2		3400	
Mercury, Total	0.81	0.18	ND		0.233		0.1		0.12	0.072	J	0.103	
Silver, Total	180	2	ND		ND		ND		ND	ND		18.7	
Zinc, Total	10000	109	39.5		94.7		55.6		404	40.2		2640	

SAMPLE ID:			SB207 (0.5-1	)	SB208 (0.5-1)	SB209 (0	.5-1)	SB210 (0.5-1)	)	SB211 (0.	5-1)	SB212 (0.	5-1)
COLLECTION DATE:			3/20/2025		3/20/2025	3/20/20	25	3/20/2025	T	3/20/202	:5	3/20/202	25
SAMPLE DEPTH:			0.5-1.0		0.5-1.0	0.5-1.	0	0.5-1.0	T	0.5-1.0		0.5-1.0	,
ANALYTE	NY-RESRR	NY-UNRES	Conc	Q	Conc Q	Conc	Q	Conc C	Ω.	Conc	Q	Conc	Q
VOCs (mg/kg)													
Xylenes, Total	100	0.26	ND		ND	ND		0.0017	J	ND		ND	
2-Butanone	100	0.12	ND		ND	ND		ND		ND		ND	
1,2,4-Trimethylbenzene	52	3.6	ND		ND	ND		ND		ND		ND	
SVOCs (mg/kg)													
Benzo(a)anthracene	1	1	ND		ND	6		ND		ND		0.32	J
Benzo(a)pyrene	1	1	ND		ND	6.2		ND		ND		ND	
Benzo(b)fluoranthene	1	1	ND		ND	8.2		ND		ND		0.36	J
Benzo(k)fluoranthene	3.9	0.8	ND		ND	2.5		ND		ND		ND	
Chrysene	3.9	1	ND		ND	5.8		0.098	J	ND		0.53	J
Dibenzo(a,h)anthracene	0.33	0.33	ND		ND	0.94		ND		ND		ND	
Indeno(1,2,3-cd)pyrene	0.5	0.5	ND		ND	4.2		ND		ND		ND	
Pesticides (mg/kg)													
4,4'-DDE	8.9	0.0033	0.00131	J	ND	ND		ND		ND		ND	
4,4'-DDT	7.9	0.0033	0.00218		ND	ND		ND		ND		ND	
PCBs (mg/kg)													
Aroclor 1260	1	0.1	ND		ND	0.0421	J	2.48		0.0163	J	0.0204	J
PCBs, Total	1	0.1	ND		ND	0.0978	J	2.48		0.0261	J	0.0204	J
Metals (mg/kg)													
Barium, Total	400	350	72.2		37	48.1		62.5		27.3		23.8	
Cadmium, Total	4.3	2.5	ND		0.419 J	0.379	J	0.336	J	ND		0.235	J
Copper, Total	270	50	12.7		72.3	34.5		38.9		27.4		33.5	
Lead, Total	400	63	20.2		13.6	64.4		164		16.4	J	103	
Mercury, Total	0.81	0.18	ND		ND	0.126		0.169		0.06	J	0.18	
Silver, Total	180	2	ND		ND	ND		ND		ND		ND	
Zinc, Total	10000	109	29.8		64	319		85.8		65.6		66.2	



SAMPLE ID:			SB213 (0.	5-1)	SB214 (0.	5-1)	SB215 (0.	5-1)
COLLECTION DATE:			3/20/202	25	3/20/202	25	3/20/202	25
SAMPLE DEPTH:			0.5-1.0	)	0.5-1.0		0.5-1.0	1
ANALYTE	NY-RESRR	NY-UNRES	Conc	Q	Conc	Q	Conc	Q
VOCs (mg/kg)								
Xylenes, Total	100	0.26	ND		ND		ND	
2-Butanone	100	0.12	ND		ND		ND	
1,2,4-Trimethylbenzene	52	3.6	ND		ND		ND	
SVOCs (mg/kg)								
Benzo(a)anthracene	1	1	0.066	J	0.11	J	ND	
Benzo(a)pyrene	1	1	0.066	J	0.12	J	ND	
Benzo(b)fluoranthene	1	1	0.087	J	0.16		ND	
Benzo(k)fluoranthene	3.9	0.8	ND		0.042	J	ND	
Chrysene	3.9	1	0.068	J	0.12		ND	
Dibenzo(a,h)anthracene	0.33	0.33	ND		ND		ND	
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.045	J	0.08	J	ND	
Pesticides (mg/kg)								
4,4'-DDE	8.9	0.0033	ND		0.00245		ND	
4,4'-DDT	7.9	0.0033	ND		ND		ND	
PCBs (mg/kg)								
Aroclor 1260	1	0.1	ND		0.0323	J	ND	
PCBs, Total	1	0.1	ND		0.0552	J	ND	
Metals (mg/kg)								
Barium, Total	400	350	144		49.9		53.3	
Cadmium, Total	4.3	2.5	0.277	J	0.666	J	0.615	J
Copper, Total	270	50	52.3		85.4		143	
Lead, Total	400	63	260		40.8		11.4	
Mercury, Total	0.81	0.18	0.381		ND		ND	
Silver, Total	180	2	0.303	J	0.363	J	0.429	
Zinc, Total	10000	109	175		96.2		83.8	

SAMPLEID:			EB-01	(2-2.5)	EB-02	(3-3.5)	EB-03	(2.5-3)	EB-04	(1.5-2)	EB-05	(4.5-5)	EB-06	(7-7.5)		
LAB ID:			L2525	183-01	L2525	183-02	L2525	183-03	L2525	183-04	L2525	2525183-05 L2525183		183-06		
COLLECTION DATE:			4/23/	2025	4/23/	2025	4/23	2025	4/23	/2025	4/23/	2025	4/23/	2025		
SAMPLE DEPTH (FT):			2.0	-2.5	3.0	-3.5	2.5	-3.0	1.5	-2.0	4.5	4.5-5.0		5-5.0 7.0-7.5		7.5
SAMPLE MATRIX:			sc	)IL	sc	)IL	so	DIL	so	DIL	sc	IL	so	)IL		
	NY-RESRR	NY-UNRES	Results	RL	Results	RL										
Pesticides (mg/kg)																
4,4'-DDE	8.9	0.0033	ND	0.00176	0.00244	0.00171	ND	0.00177	ND	0.00172	ND	0.00162	0.00109J	0.00165		
4,4'-DDT	7.9	0.0033	ND	0.00176	0.00494	0.00171	ND	0.00177	ND	0.00172	ND	0.00162	ND	0.00165		
PCBs (mg/kg)																
Aroclor 1260	1	0.1	ND	0.0514	ND	0.0533	ND	0.0538	ND	0.0518	ND	0.0493	ND	0.0516		
PCBs, Total	1	0.1	ND	0.0514	ND	0.0533	ND	0.0538	ND	0.0518	ND	0.0493	ND	0.0516		
SVOCs (mg/kg)																
Benzo(a)anthracene	1	1	ND	0.11	0.04J	0.11	ND	0.11	ND	0.11	ND	0.1	ND	0.11		
Benzo(a)pyrene	1	1	ND	0.15	ND	0.15	ND	0.15	ND	0.14	ND	0.14	ND	0.14		
Benzo(b)fluoranthene	1	1	ND	0.11	0.045J	0.11	ND	0.11	ND	0.11	ND	0.1	ND	0.11		
Chrysene	3.9	1	ND	0.11	0.036J	0.11	ND	0.11	ND	0.11	ND	0.1	ND	0.11		
Indeno(1,2,3-cd)pyrene	0.5	0.5	ND	0.15	ND	0.15	ND	0.15	ND	0.14	ND	0.14	ND	0.14		
Metals (mg/kg)																
Copper, Total	270	50	29.7	0.855	19.6	0.872	10.7	0.841	13.3	1.7	12.8	8.03	13.5	3.31		
Lead, Total	400	63	162	4.27	78.1	4.36	17.4	4.2	20.6	8.49	117	40.1	14.2J	16.5		
Mercury, Total	0.81	0.18	0.178	0.088	0.159	0.073	ND	0.08	ND	0.077	ND	0.071	ND	0.07		
Zinc, Total	10000	109	118	4.27	33.1	4.36	40.5	4.2	35.6	8.49	57	40.1	58.3	16.5		
VOCs (mg/kg)								•	•	•		•				
Acetone	100	0.05	ND	0.0092	ND	0.013	ND	0.01	ND	0.0094	0.0057J	0.011	0.031	0.011		



SAMPLEID:			EB-07	(4-4.5)	EB-08	(3.5-4)	EB-09	(4.5-5)	EB-10 (4	4.5-5.0')	EB-11 (	6.5-7.0')	EB-12 (4	4.5-5.0')
LAB ID:			L2525	183-07	L2525	183-08	L2525	183-09	L2525	476-01	L2525	476-02	L25254	476-03
COLLECTION DATE:			4/23/	2025	4/23/	2025	4/23	/2025	4/24/	2025	4/24	/2025	4/24/	2025
SAMPLE DEPTH (FT):			4.0	-4.5	3.5	-4.0	4.5	-5.0	4.5	-5.0	6.5	-7.0	4.5-	-5.0
SAMPLE MATRIX:			sc	DIL	sc	DIL	so	OIL	sc	DIL	SC	OIL	sc	OIL
	NY-RESRR	NY-UNRES	Results	RL										
Pesticides (mg/kg)			•						•					
4,4'-DDE	8.9	0.0033	0.00713	0.00194	ND	0.00169	0.000884	0.00176	0.00261	0.00175	ND	0.00176	ND	0.00183
4,4'-DDT	7.9	0.0033	0.00196	0.00194	ND	0.00169	ND	0.00176	0.00814	0.00175	ND	0.00176	ND	0.00183
PCBs (mg/kg)			•						•		•			
Aroclor 1260	1	0.1	ND	0.0606	0.665	0.0528	0.0671	0.0555	ND	0.0544	ND	0.0525	ND	0.0589
PCBs, Total	1	0.1	ND	0.0606	0.665	0.0528	0.0671	0.0555	ND	0.0544	ND	0.0525	ND	0.0589
SVOCs (mg/kg)													!	
Benzo(a)anthracene	1	1	0.026J	0.12	0.89J	3.2	ND	2.2	0.45	0.11	ND	0.11	ND	0.12
Benzo(a)pyrene	1	1	ND	0.16	ND	4.3	ND	3	0.44	0.15	ND	0.15	ND	0.16
Benzo(b)fluoranthene	1	1	0.036J	0.12	ND	3.2	ND	2.2	0.47	0.11	ND	0.11	ND	0.12
Chrysene	3.9	1	0.03J	0.12	0.75J	3.2	ND	2.2	0.4	0.11	ND	0.11	ND	0.12
Indeno(1,2,3-cd)pyrene	0.5	0.5	ND	0.16	ND	4.3	ND	3	0.23	0.15	ND	0.15	ND	0.16
Metals (mg/kg)					!						•		!	
Copper, Total	270	50	13.4	0.935	23.3	0.83	29.3	0.865	23.7	0.892	16.9	0.859	22	0.967
Lead, Total	400	63	6.52	4.67	82.6	4.15	93.8	4.33	113	4.46	18.5	4.29	42.6	4.84
Mercury, Total	0.81	0.18	ND	0.087	0.194	0.076	0.104	0.071	0.051J	0.074	ND	0.083	ND	0.082
Zinc. Total	10000	109	22.3	4.67	59.4	4.15	80.4	4.33	85.4	4.46	43.8	4.29	42.7	4.84
VOCs (mg/kg)														
Acetone	100	0.05	ND	0.012	ND	0.014	ND	0.0099	ND	0.011	ND	0.01	0.058	0.011
SAMPLEID:			EB-13 (2	2.5-3.0')	EB-14 (2	2.5-3.0')	EB-15 (	4.5-5.0')	EB-16 (0	0.5-1.0')	EB-17 (	4.5-5.0')	EB-18 (4	4.5-5.0')
LAB ID:			L2525	476-04	L2525	476-05	L2525	476-06	L2525	476-07	L2525	` '		476-09
COLLECTION DATE:			4/24/	2025	4/24/	2025	4/24	/2025	4/24/	2025	4/24	/2025	4/24/	2025
SAMPLE DEPTH (FT):			2.5	-3.0	2.5	-3.0	4.5	-5.0	0.5	-1.0	4.5	-5.0	4.5-	-5.0
SAMPLE MATRIX:			sc	DIL	SC	OIL	SC	OIL	SC	)IL	SC	OIL	SC	DIL
	NY-RESRR	NY-UNRES	Results	RL										
Pesticides (mg/kg)														
4,4'-DDE	8.9	0.0033	ND	0.0021	0.00198	0.00192	ND	0.00231	0.00805	0.00191	0.00152J	0.00188	ND	0.00191
4,4'-DDT	7.9	0.0033	ND	0.0021	ND	0.00192	ND	0.00231	0.00304	0.00191	ND	0.00188	ND	0.00191
PCBs (mg/kg)			_						•					
Aroclor 1260	1	0.1	ND	0.0641	ND	0.0597	ND	0.0717	ND	0.0616	ND	0.0597	0.0284J	0.0599
PCBs, Total	1	0.1	ND	0.0641	ND	0.0597	ND	0.0717	0.00701J	0.0616	ND	0.0597	0.0683J	0.0599
SVOCs (mg/kg)														
Benzo(a)anthracene	1	1	ND	0.13	ND	0.12	ND	0.15	0.052J	0.12	ND	0.12	1.2	0.12
Benzo(a)pyrene	1	1	ND	0.18	ND	0.16	ND	0.2	0.062J	0.17	ND	0.16	1.2	0.16
Benzo(b)fluoranthene	1	1	ND	0.13	ND	0.12	ND	0.15	0.076J	0.12	ND	0.12	1.6	0.12
Chrysene	3.9	1	ND	0.13	0.024J	0.12	ND	0.15	0.056J	0.12	ND	0.12	1.2	0.12
Indeno(1,2,3-cd)pyrene	0.5	0.5	ND	0.18	ND	0.16	ND	0.2	0.04J	0.17	ND	0.16	0.64	0.16
Metals (mg/kg)														
Copper, Total	270	50	17.9	1.05	27	0.946	126	1.14	19.4	0.969	14.2	0.935	16.7	0.932
Lead, Total	400	63	12.5	5.26	74.5	4.73	7.93	5.72	29.7	4.85	39.4	4.67	38.9	4.66
Mercury, Total	0.81	0.18	ND	0.086	0.069J	0.084	ND	0.099	0.074J	0.08	0.114	0.08	0.07J	0.081
Weredry, Total														4.00
Zinc, Total	10000	109	41.3	5.26	86.3	4.73	131	5.72	41.5	4.85	57.2	4.67	44	4.66
	10000	109	41.3	5.26	86.3	4.73	131	5.72	41.5	4.85	57.2	4.67	44	4.66

Exceedance of NY SCO - Unrestricted Use (6 NY CRR 375-6 12/06) >=

a = Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.

- b = Associated CCV outside of control limits high, sample w as ND.
- $c = Associated \ CCV \ outside \ of \ control \ limits \ high. \ Estimated \ value, due \ to \ corresponding \ failure \ in \ the \ batch \ associated \ CCV.$
- d = More than 40 % RPD for detected concentrations between the two GC columns.
- e = Bevated detection limit due to dilution required for high interfering element.
- f = Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.
- $\ensuremath{\mathsf{g}}$  = This compound in blank spike is outside in house QC limits bias high.
- J = Estimated
- ND = Not Detected



A total of nine (9) borings exhibited exceedances of the RRSCOs for polycyclic aromatic hydrocarbons (PAHs), metals and/or PCBs. Other borings exhibited exceedances of the USCOs for VOCs, SVOCs, Metals, PCBs and Pesticides.

#### 2.3 GROUNDWATER INVESTIGATION

Groundwater boreholes were advanced to bedrock which was encountered at 10 ft-bgs or shallower within the former building's footprint adjacent to the existing building as well as farther to the east near the shed. No overburden groundwater was detected. SESI then further advanced the borehole near the building and identified weathered bedrock from 10-15 ft-bgs and competent bedrock from 15-25 ft-bgs. After purging the well and allowing for a couple days of recharge, no groundwater was encountered at this temporary well. Therefore, no groundwater sampling was completed as part of this investigation.

#### 2.4 SOIL VAPOR INVESTIGATION

#### 2.4.1 SOIL VAPOR ANALYTICAL RESULTS

A total of two (2) soil vapor, two (2) sub-slab soil vapor and one (1) indoor air sample were collected from the exterior during the investigation and submitted to Pace Analytical Laboratories and SGS Galson for analysis of VOCs in accordance with United States Environmental Protection Agency (USEPA) Method TO-15.

A summary table of the analytical results is presented in the attached **Table 2.4**. The laboratory analytical reports are provided in **Appendix B**. The following **Table 2.5** presents a summary of NYSDOH Decision Matrices. The soil vapor sampling locations and results are shown on **Figure 2.3**.



Table 2.5 - Summary of Soil Vapor Detections

SAMPLEID:											SV-1	SV-2	SSSV-1	IA-1	SSSV-2
SAMPLE DATE:											1/31/2025	1/31/2025	1/31/2025	1/31/2025	3/20/2025
SAMPLE MATRIX:											Soil Vapor	Soil Vapor	Soil Vapor	indoor Air	Soil Vapor
VOCs (ug/m3)	SSC-A	IAC-A	SSC-B	IAC-B	SSC-D	IAC-D	SSC-E	IAC-E	SSC-F	IAC-F	Conc	Conc	Conc	Conc	Conc
Acetone (2-Propanone)											285	257	34.2	6.4	63.2
Benzene											4.2	3.8	1	0.86	2.79
Carbon disulfide											5.3	3.7	ND	ND	ND
Chloromethane											ND	0.85	0.52	0.89	0.531
Carbon tetrachloride	6	0.2									ND	ND	ND	0.5	ND
Cyclohexane					60	2					0.83	2	ND	ND	ND
Dichlorodifluoromethane											1.9	1.9	1.9	2.7	2.19
Ethanol											14	8.1	1.3	4	31.5
Ethylbenzene					60	2					13	3.2	3.6	ND	NA
Ethyl Acetate											7.2	ND	1.1	5	ND
4-Ethyltoluene											5.9	0.98	3.4	ND	3.7
Heptane							200	6			3.5	13	0.74 J	ND	2.51
Hexane							200	6			3.5	48.6	1.7	1.1	4.02
2-Hexanone											2.5	ND	ND	ND	ND
Isopropyl Alcohol											2.3	3.4	0.37 J	2.2	104
Methylene chloride			100	3							3.8	3.5	1.6	1.1	1.91
Methyl ethyl ketone											17	8.6	1.9	0.53	NA
Methyl Isobutyl Ketone											3.4	0.74 J	ND	ND	NA
Naphthalene					60	2					0.68 J	ND	ND	ND <sup>9</sup>	ND
Propylene											3.6	79.2	ND	ND	NA
1,2,4-Trimethylbenzene					60	2					15	2.6	11	0.54 J	13.4
1,3,5-Trimethylbenzene					60	2					4.3	0.74 J	2.2	ND	3.86
2,2,4-Trimethylpentane					60	2					0.79 J	1.4	ND	0.41 J	ND
Tertiary Butyl Alcohol											2.8	5.8	0.36 J	ND	ND
Tetrachloroethylene			100	3							88.8	1.5	1	ND	ND
Tetrahydrofuran											0.56 J	ND	ND	ND	ND
Toluene									300	10	42.2	17	9.8	1.1	21.7
Trichloroethylene	6	0.2									1.6	0.91	ND	ND	NA
Trichlorofluoromethane											2.8	3.1	1.4	1.7	NA
Vinyl Acetate											ND	ND	0.67 J	ND	NA
m,p-Xylene							200	6			55.2	11	17	0.91	142
o-Xylene					60	2					20	3.9	6.1	0.34 J	53
Xylenes (total)	1										75.2	15	23	1.3	NA

A total of 33 VOCs were detected in the vapor samples. Based on a comparison of the soil vapor results to the NYSDOH Soil Vapor/Indoor Air Matrices, the elevated concentration of Carbon tetrachloride in the indoor air is not raised to a level of action and is likely due to an interior interferant. However, due to the former uses of the property, it is recommended that a more detailed investigation be completed prior to redevelopment to then determine the need for mitigation following redevelopment.



#### 3.0 CONCLUSIONS AND RECOMMENDATIONS

Between January and April 2025, SESI performed sampling of soil and soil vapor at the subject property. The investigation activities completed by SESI confirmed the presence of PAHs, metals and PCBs above the RRSCOS and VOCs, SVOCs, metals, PCBs and pesticides were found to exceed the USCOs in soil/historic fill. The levels of PAHs in soils are the result of the historic site uses and the possible UST discharges. The PCB exceedances are likely the results of the historic industrial uses at the Subject Property. The Subject Property also has several abandoned-in-place USTs that must be addressed. Additionally, elevated VOC concentrations in soil vapor may require mitigation following redevelopment.

Based on the results and due to the future residential use on the subject property, remediation will be required at the subject property. The Subject Property will require further delineation to quantify the volume of soil and soil vapor that will require remediation to address the exceedances in soil and soil vapor. Groundwater investigation is needed with deeper vertical delineation into bedrock to determine any impacts to the groundwater from the Site historic uses.



**Table 2.2** - Summary of Soil Analytical Results 34 State Street, Ossining, NY

SAMPLE ID:				UST-1 (7-7.5)	UST-2 (8-8.5)	UST-3 (9-9.5)	HF-1 (6.5-7)	HF-2 (2-2.5)	HF-3 (3.5-4)	HF-4 (0.5-1)	HF-5 (0.5-1)	HF-6 (1.5-2)	HF-7 (1-1.5)	HF-8 (4-4.5)	HF-9 (1-1.5)	HF-10 (1-1.5)	HF-11 (0.5-1)	HF-12 (4-4.5)	HPO-1 (13.5-14)	HPO-2 (1.5-2)
LAB ID:				JE4905-1	JE4905-2	JE4905-3	JE4905-4	JE4905-5	JE4905-6	JE4905-7	JE4905-8	JE4905-9	JE4905-10	JE4905-11	JE4905-12	JE5000-1	JE5000-2	JE5000-3	JE5000-4	JE5000-5
SAMPLE DATE:				1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/31/2025	1/31/2025	1/31/2025	1/31/2025	1/31/2025
SAMPLE DEPTH (FT):				7.0-7.5	8.0-8.5	9.0-9.5	6.5-7.0	2.0-2.5	3.5-4.0	0.5-1.0	0.5-1.0	1.5-2.0	1.0-1.5	4.0-4.5	1.0-1.5	1.0-1.5	0.5-1.0	4.0-4.5	13.5-14.0	1.5-2.0
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
ANALYTE	CAS	NY-RESRR	NY-UNRES	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc
Metals (mg/kg)																				
Aluminum	7429-90-5			13200	21100	14100	11500	10500	20000	12600	6560	11100	1760	12500	8980	10500	5030	13400	11000	10200
Antimony	7440-36-0			<2.4	<2.3	<2.4	<2.2	<2.3	<2.3	<2.4	<2.1	<2.3	<2.1	<2.2	<2.2	<2.1	<2.3	<2.3	<2.8	<2.1
Arsenic	7440-38-2	16	13	<2.4	<2.3	<2.4	3.7	4.7	3.4	5.4	2.4	3.8	2.3	3.4	<2.2	4	<2.3	5.9	6	4.5
Barium	7440-39-3	400	350	66.6	88.1	69.1	76.1	134	78.9	116	50.4	84	46.5	65.4	59	72.5	45.9	195	197	27.8
Beryllium	7440-41-7	72	7.2	0.63	0.98	0.68	0.53	0.59	0.86	0.65	0.33	0.58	<0.21	0.57	0.45	0.51	0.31	0.65	1.5	0.4
Cadmium	7440-43-9	4.3	2.5	<0.59	<2.9 <sup>e</sup>	<0.61	<0.55	<2.8 <sup>e</sup>	<0.58	<0.61	<2.6 <sup>e</sup>	<2.9 <sup>e</sup>	<5.2 <sup>e</sup>	<0.55	<0.55	<2.7	<5.7 <sup>e</sup>	<2.8 <sup>e</sup>	<7.1 <sup>e</sup>	<0.54
Calcium	7440-70-2			1490	84700	6660	15000	62100	7810	6980	40000	40200	159000	1480	1500	82100	174000	52900	46200	16800
Chromium	7440-47-3			14.8	18.1	18.8	13.9	13.2	25.1	15.9	9.6	13.8	3.5	14.7	14.7	15.5	5.4	18.5	26	10.6
Cobalt	7440-48-4			6.7	6.9	13.5	8.5	5.8	15.2	7.5	5.7	6.2	<5.2	7.4	7.9	5.5	<5.7	7.8	15.9	9.4
Copper	7440-50-8	270	50	20.6	15.3	19.9	46.3	28.2	25.1	21.9	17.7	18	7.4	11.5	15.8	17.7	4.3	29.7	3840	24.4
Iron	7439-89-6			16000	15400	20000	17500	14500	21500	17700	11300	15600	5550	18500	14800	13500	5880	15300	36100	23700
Lead	7439-92-1	400	63	13.6	10	10.7	67.7	326	67.9	278	37.8	126	12.3	70.3	6.2	60.2	24.5	352	2180	15.5 <sup>e</sup>
Magnesium	7439-95-4			8210	47200	8490	13500	37400	29400	8640	23400	25300	80300	5000	3560	40000	104000	36900	8440	8540
Manganese	7439-96-5	2000	1600	382	338	601	425	406	435	618	277	584	146	404	321	511	496	415	19400	791
Mercury	7439-97-6	0.81	0.18	<0.035	0.14	<0.035	0.12	0.41	0.29	0.15	0.032	0.12	<0.027	0.088	<0.033	0.21	0.16	0.96	1.5	<0.028
Nickel	7440-02-0	310	30	12.5	14.9	17.4	14.2	12	30.7	14.3	10.4	12.8	4.9	13.7	13.5	12.4	5.6	15.5	38.1	20.2
Potassium	7440-09-7			<1200	13900	2610	1130	1310	4850	<1200	1460	1230	<1000	1120	2360	1480	<1100	3480	2090	<1100
Selenium	7782-49-2	180	3.9	<2.4	<2.3	<2.4	<2.2	<2.3	<2.3	<2.4	<2.1	<2.3	<21 <sup>e</sup>	<2.2	<2.2	<2.1	<2.3	<2.3	<85 <sup>e</sup>	<4.3 <sup>e</sup>
Silver	7440-22-4	180	2	<0.59	<0.58	<0.61	<0.55	<0.57	<0.58	<0.61	<0.53	<0.58	<0.52	<0.55	<0.55	<0.54	<0.57	<0.57	<21 <sup>e</sup>	<0.54
Sodium	7440-23-5			<1200	<1200	<1200	<1100	<1100	<1200	<1200	<1100	<1200	<1000	<1100	<1100	<1100	<1100	<1100	<1400	<1100
Thallium	7440-28-0			<1.2	<1.2	<1.2	<1.1	<1.1	<1.2	<1.2	<1.1	<5.8 <sup>6</sup>	<1.0	<1.1	<1.1	<5.4 <sup>e</sup>	<1.1	<5.7 °	<43 <sup>6</sup>	<2.1 <sup>e</sup>
Vanadium	7440-62-2	10000	100	20.8	27.9	25.7	35	27.6	32.5	25.5	22.4	22.5	5.7	23.1	19.7	21.1	7.7	27.5	50.1	11.2
Zinc	7440-66-6	10000	109	44.2	32.6	40.4	77.8	139	92	124	35.6	63.7	14.2	43.1	27.4	205	20.9	159	214	58.6
VOCs (mg/kg) Acetone	67-64-1	100	0.05	ND	ND	0.0067 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0095 J	ND	ND
Benzene	71-43-2	4.8	0.06	ND	ND	ND	ND	ND	ND ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	74-97-5	4.0	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	75-25-2			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	74-83-9			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	78-93-3	100	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	75-15-0			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	56-23-5	2.4	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	100	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND <sup>b</sup>				
Chloroform	67-66-3	49	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	74-87-3			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	110-82-7			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	96-12-8			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	106-93-4			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	100	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	49	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	13	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	26	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	3.1	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	75-35-4	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	100	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	156-60-5	100	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	ļ	Į	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Table 2.2** - Summary of Soil Analytical Results 34 State Street, Ossining, NY

SAMPLE ID:				UST-1 (7-7.5)	UST-2 (8-8.5)	UST-3 (9-9.5)	HF-1 (6.5-7)	HF-2 (2-2.5)	HF-3 (3.5-4)	HF-4 (0.5-1)	HF-5 (0.5-1)	HF-6 (1.5-2)	HF-7 (1-1.5)	HF-8 (4-4.5)	HF-9 (1-1.5)	HF-10 (1-1.5)	HF-11 (0.5-1)	HF-12 (4-4.5)	HPO-1 (13.5-14)	HPO-2 (1.5-2)
LAB ID:				JE4905-1	JE4905-2	JE4905-3	JE4905-4	JE4905-5	JE4905-6	JE4905-7	JE4905-8	JE4905-9	JE4905-10	JE4905-11	JE4905-12	JE5000-1	JE5000-2	JE5000-3	JE5000-4	JE5000-5
SAMPLE DATE:				1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/31/2025	1/31/2025	1/31/2025	1/31/2025	1/31/2025
SAMPLE DEPTH (FT):				7.0-7.5	8.0-8.5	9.0-9.5	6.5-7.0	2.0-2.5	3.5-4.0	0.5-1.0	0.5-1.0	1.5-2.0	1.0-1.5	4.0-4.5	1.0-1.5	1.0-1.5	0.5-1.0	4.0-4.5	13.5-14.0	1.5-2.0
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
ANALYTE	CAS	NY-RESRR	NY-UNRES	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc
cis-1,3-Dichloropropene	10061-01-5			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10061-02-6			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	41	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00078 J	0.0096	ND	ND	ND
Freon 113	76-13-1			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	591-78-6			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98-82-8			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Acetate	79-20-9			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	108-87-2			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tert Butyl Ether	1634-04-4	100	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone(MIBK)	108-10-1			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	75-09-2	100	0.05	0.0035 J	ND	ND	ND	ND	0.0035 J	ND	0.0038 J	0.0029 J	ND	ND	0.003 J	ND	0.0033 J	0.0034 J	ND	ND
Styrene	100-42-5			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	19	1.3	ND	ND	0.0006 J	ND	ND	0.0082	ND	ND	ND	ND	ND	ND	ND	ND	0.0059	0.0021 J	ND
Toluene	108-88-3	100	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6	100	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	79-01-6	21	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	75-69-4			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	75-01-4	0.9	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND 0.0000	ND 0.0000	ND	ND	ND
m,p-Xylene	M,P-XYLENE	100	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0028	0.0389	ND	ND	ND
o-Xylene	95-47-6 1330-20-7	100	0.26 0.26	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	0.001 J 0.0038	0.0131 0.052	ND ND	ND ND	ND ND
Xylene (total) SVOCs (mg/kg)	1330-20-7	100	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	IND	ND	ND	0.0036	0.052	ND	ND	ND
2-Chlorophenol	95-57-8			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methyl phenol	59-50-7			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND b	ND b	ND b	ND b	ND b
2,4-Dichlorophenol	120-83-2			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	105-67-9			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	51-28-5			ND b	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND b	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>
4,6-Dinitro-o-cresol	534-52-1			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND <sup>b</sup>	ND <sup>b</sup>	ND b	ND b	ND b
2-Methylphenol	95-48-7	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	M+P-CRESOLS			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	88-75-5			ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND	ND	ND	ND	ND				
4-Nitrophenol	100-02-7			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>
Pentachlorophenol	87-86-5	6.7	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	108-95-2	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	58-90-2			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND b
2,4,5-Trichlorophenol	95-95-4			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	88-06-2			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	83-32-9	100	20	ND	ND	ND	ND	ND	ND	0.0692	ND	ND	ND	ND	0.158	0.143	ND	ND	ND	ND
Acenaphthylene	208-96-8	100	100	ND	ND	ND	ND	0.0517	ND	0.0351 J	ND	ND	ND	ND	ND	ND	ND	0.0206 J	ND	ND
Acetophenone	98-86-2			ND	ND	ND	ND	ND	ND	0.0244 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	120-12-7	100	100	ND	ND	ND	ND	ND	ND	0.308	0.021 J	ND	ND	ND	0.211	0.267	ND	ND	ND	ND
Atrazine	1912-24-9			ND	ND	ND	ND	ND 0.0070	ND 0.0705	ND	ND	ND	ND	ND	ND 0.007	ND 0.004	ND	ND	ND	ND
Benzo(a)anthracene	56-55-3	1	1	ND	ND	ND	0.0337 J	0.0976	0.0785	2.25	0.114	0.0193 J	0.0292 J	ND	0.367	0.694	ND	0.0287 J	ND	ND
Benzo(a)pyrene	50-32-8	1	1	ND	ND	ND	0.0305 J	0.123	0.0828	3.06	0.116	0.0211 J	0.0204 J	ND	0.304	0.642	ND	0.0388 J	ND	ND
Benzo(b)fluoranthene	205-99-2	1	100	ND	ND	ND	0.0396	0.191	0.107	3.35	0.134	0.0294 J	0.0289 J	ND	0.351	0.755	ND	0.0563	ND	ND ND
Benzo(g,h,i)perylene	191-24-2	100	100	ND	ND ND	ND	0.0244 J	0.126	0.0531	2.56	0.0999	0.0182 J	ND	ND ND	0.167	0.394	ND	0.0428	ND ND	ND ND
Benzo(k)fluoranthene	207-08-9	3.9	0.8	ND		ND	ND	0.0751	0.0416	1.16	0.0535	ND	ND	ND	0.138	0.287	ND	ND ND	ND ND	ND ND
4-Bromophenyl phenyl ether	101-55-3			ND b	ND b	ND b	ND b	ND	ND b	ND ND	ND b	ND 0.0384 J	ND	ND ND	ND ND	ND ND				
Butyl benzyl phthalate	85-68-7 92-52-4			ND <sup>b</sup>	ND ND	ND b	ND b	0.0356 J ° ND	ND <sup>b</sup>	0.0206 J <sup>c</sup> 0.0072 J	ND <sup>b</sup>	ND b	ND b	ND <sup>b</sup>	ND <sup>b</sup> 0.0064 J	0.0284 J 0.0066 J	ND ND	ND ND	ND ND	ND ND
1,1'-Biphenyl Benzaldehyde	100-52-7			ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	0.0072 J 0.0259 J	ND ND	ND ND	ND ND	ND ND	0.0064 J 0.0171 J	0.0066 J ND	ND ND	ND ND	0.0784 J	ND ND
2-Chloronaphthalene	91-58-7			ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	0.0259 J ND	ND ND	ND ND	ND ND	ND ND	0.01713 ND	ND ND	ND ND	ND ND	0.0784 J ND	ND ND
4-Chloroaniline	106-47-8			ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Carbazole	86-74-8			ND	ND	ND	ND	0.0125 J	ND ND	0.152	0.0085 J	ND	ND ND	ND	0.131	0.151	ND	ND ND	ND	ND
Jaibazoio	00-74-0	<u> </u>	<u> </u>	ND	IAD	IND	IAD	0.01200	140	0.102	0.00000	אטיי	IND	I ND	0.101	0.101	140	ואט	140	140

**Table 2.2** - Summary of Soil Analytical Results 34 State Street, Ossining, NY

SAMPLE ID:			I	UST-1 (7-7.5)	UST-2 (8-8.5)	UST-3 (9-9.5)	HF-1 (6.5-7)	HF-2 (2-2.5)	HF-3 (3.5-4)	HF-4 (0.5-1)	HF-5 (0.5-1)	HF-6 (1.5-2)	HF-7 (1-1.5)	HF-8 (4-4.5)	HF-9 (1-1.5)	HF-10 (1-1.5)	HF-11 (0.5-1)	HF-12 (4-4.5)	HPO-1 (13.5-14)	HPO-2 (1.5-2)
LAB ID:				JE4905-1	JE4905-2	JE4905-3	JE4905-4	JE4905-5	JE4905-6	JE4905-7	JE4905-8	JE4905-9	JE4905-10	JE4905-11	JE4905-12	JE5000-1	JE5000-2	JE5000-3	JE5000-4	JE5000-5
SAMPLE DATE:				1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/31/2025	1/31/2025	1/31/2025	1/31/2025	1/31/2025
SAMPLE DEPTH (FT):				7.0-7.5	8.0-8.5	9.0-9.5	6.5-7.0	2.0-2.5	3.5-4.0	0.5-1.0	0.5-1.0	1.5-2.0	1.0-1.5	4.0-4.5	1.0-1.5	1.0-1.5	0.5-1.0	4.0-4.5	13.5-14.0	1.5-2.0
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
ANALYTE	CAS	NY-RESRR	NY-UNRES	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc
Caprolactam	105-60-2			ND <sup>b</sup>	ND b	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND	ND	ND	ND	ND
Chrysene	218-01-9	3.9	1	ND	ND	ND	0.033 J	0.137	0.0742	2.13	0.117	0.0214 J	0.0291 J	ND	0.338	0.616	ND	0.028 J	ND	ND
bis(2-Chloroethoxy)methane	111-91-1			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	111-44-4			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-Oxybis(1-chloropropane)	108-60-1			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	7005-72-3			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	121-14-2			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>
2,6-Dinitrotoluene	606-20-2			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>
3,3'-Dichlorobenzidine	91-94-1			ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND	ND	ND	ND	ND
1,4-Dioxane	123-91-1	13	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	53-70-3	0.33	0.33	ND	ND	ND	ND	0.0293 J	ND	0.524	0.025 J	ND	ND	ND	0.0399	0.128	ND	ND	ND	ND
Dibenzofuran	132-64-9	59	7	ND	ND	ND	ND	ND	ND	0.034 J	ND	ND	ND	ND	0.068 J	0.0622 J	ND	ND	ND	ND
Di-n-butyl phthalate	84-74-2			ND	ND	ND	ND	0.008 J	ND	0.0078 J	ND	ND	ND	ND	ND	0.0079 J	ND	ND	ND	ND
Di-n-octyl phthalate	117-84-0			ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND b	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND	ND	ND	ND	ND
Diethyl phthalate	84-66-2			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	131-11-3			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	117-81-7	400	400	ND b	ND b	0.0109 J <sup>c</sup>	0.0217 J °	0.0352 J <sup>c</sup>	0.0181 J <sup>c</sup>	0.0317 J °	0.013 J <sup>c</sup>	ND <sup>b</sup>	0.0249 J <sup>c</sup>	ND <sup>b</sup>	0.0153 J °	0.0673 J	ND	ND	ND	0.0132 J
Fluoranthene	206-44-0	100	100	ND	ND	ND	0.0509	0.185	0.103	3.52	0.226	0.024 J	0.0485	ND	0.823	1.55	ND	0.0283 J	ND	ND
Fluorene Hexachlorobenzene	86-73-7 118-74-1	100	30 0.33	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	0.0567 ND	ND ND	ND ND	ND ND	ND ND	0.118 ND	0.115 ND	ND ND	ND ND	ND ND	ND ND
		1.2	0.33	ND ND	ND ND		ND ND	ND ND								ND b				
Hexachlorobutadiene  Hexachlorocyclopentadiene	87-68-3 77-47-4			ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND <sup>b</sup> ND	ND <sup>b</sup>	ND <sup>b</sup> ND	ND <sup>b</sup>
Hexachlorocyclopentadiene Hexachloroethane	67-72-1			ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND	ND	ND ND	ND ND	ND
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	ND	ND	ND	0.02 J	0.0938	0.0382	1.91	0.073	ND	ND	ND ND	0.141	0.328	ND	0.0263 J	ND ND	ND
Isophorone	78-59-1	0.0	0.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91-57-6			ND	ND	ND	ND	0.0177 J	ND	0.0107 J	ND	ND	ND	ND	0.025 J	0.0187 J	ND	ND	ND	ND
2-Nitroaniline	88-74-4			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	99-09-2			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	100-01-6			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91-20-3	100	12	ND	ND	ND	ND	0.0171 J	ND	0.0279 J	0.0256 J	ND	ND	ND	0.0712	0.0383	ND	ND	ND	ND
Nitrobenzene	98-95-3	15		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	621-64-7			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	86-30-6			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	85-01-8	100	100	ND	ND		0.0000 1	0.0000	0.0040.1			0.0407.1		ND	0.00	1.00				
Pyrene	129-00-0	100				ND	0.0238 J	0.0632	0.0248 J	1.26	0.101	0.0137 J	0.0433		0.88	1.06	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene		100	100	ND	ND	ND ND	0.0238 J 0.0526	0.0632	0.0248 J	1.26 3.08	0.101 0.192	0.0137 J 0.0314 J	0.0433	ND	0.781	1.1	ND ND	ND 0.027 J	ND ND	ND
General Chemistry (mg/kg)	95-94-3	100	100	ND ND	ND ND															
				ND	ND	ND ND	0.0526 ND	0.153 ND	0.122 ND	3.08 ND	0.192 ND	0.0314 J ND	0.051 ND	ND ND	0.781 ND	1.1 ND	ND ND	0.027 J ND	ND ND	ND ND
Cyanide	95-94-3 57-12-5	27	27			ND	0.0526	0.153	0.122	3.08	0.192	0.0314 J	0.051	ND	0.781	1.1	ND	0.027 J	ND	ND
Cyanide Pesticides (mg/kg)	57-12-5	27	27	ND <0.24	ND <0.24	ND ND <0.25	0.0526 ND <0.24	0.153 ND <0.23	0.122 ND <0.33	3.08 ND <0.26	0.192 ND <0.27	0.0314 J ND <0.33	0.051 ND <0.23	ND ND <0.24	0.781 ND <0.25	1.1 ND <0.26	ND ND <0.25	0.027 J ND <0.24	ND ND <0.30	ND ND <0.25
Cyanide Pesticides (mg/kg) Aldrin	57-12-5 309-00-2	27	27	ND <0.24	ND <0.24	ND ND <0.25	0.0526 ND <0.24	0.153 ND <0.23	0.122 ND <0.33	3.08 ND <0.26	0.192 ND <0.27	0.0314 J ND <0.33	0.051 ND <0.23	ND ND <0.24	0.781 ND <0.25	1.1 ND <0.26	ND ND <0.25	0.027 J ND <0.24	ND ND <0.30	ND ND <0.25
Cyanide  Pesticides (mg/kg)  Aldrin  alpha-BHC	57-12-5 309-00-2 319-84-6	27 0.097 0.48	27 0.005 0.02	ND <0.24 ND ND	ND <0.24 ND ND	ND ND <0.25 ND ND	0.0526 ND <0.24 ND ND	0.153 ND <0.23 ND ND	0.122 ND <0.33 ND ND	3.08 ND <0.26 ND ND	0.192 ND <0.27 ND ND	0.0314 J ND <0.33 ND ND	0.051 ND <0.23 ND ND	ND ND <0.24 ND ND	0.781 ND <0.25 ND ND	1.1 ND <0.26 ND ND	ND ND <0.25 ND ND	0.027 J ND <0.24 ND ND	ND ND <0.30 ND ND	ND ND <0.25 ND ND
Cyanide  Pesticides (mg/kg)  Aldrin  alpha-BHC  beta-BHC	57-12-5 309-00-2 319-84-6 319-85-7	27 0.097 0.48 0.36	27 0.005 0.02 0.036	ND <0.24  ND ND ND ND	ND <0.24 ND ND ND	ND ND <0.25  ND ND ND ND	0.0526 ND <0.24 ND ND ND	0.153 ND <0.23 ND ND ND	0.122 ND <0.33 ND ND ND	3.08 ND <0.26 ND ND 0.0058 f	0.192 ND <0.27 ND ND ND	0.0314 J ND <0.33 ND ND ND ND	0.051 ND <0.23 ND ND ND	ND ND <0.24 ND ND ND ND	0.781 ND <0.25 ND ND ND	1.1 ND <0.26 ND ND	ND ND <0.25 ND ND ND ND	0.027 J ND <0.24 ND ND ND	ND ND <0.30 ND ND ND ND	ND ND <0.25 ND ND ND ND
Cyanide  Pesticides (mg/kg)  Aldrin alpha-BHC beta-BHC delta-BHC	57-12-5 309-00-2 319-84-6 319-85-7 319-86-8	0.097 0.48 0.36 100	27 0.005 0.02 0.036 0.04	ND <0.24  ND ND ND ND ND ND	ND <0.24  ND ND ND ND ND ND	ND ND <0.25  ND ND ND ND ND ND	0.0526 ND <0.24 ND ND ND ND	0.153 ND <0.23 ND ND ND ND	0.122 ND <0.33 ND ND ND	3.08 ND <0.26 ND ND 0.0058 f	0.192 ND <0.27 ND ND ND	0.0314 J ND <0.33 ND ND ND ND ND ND ND	0.051 ND <0.23 ND ND ND ND	ND ND <0.24  ND ND ND ND ND ND	0.781 ND <0.25 ND ND ND	1.1 ND <0.26 ND ND ND	ND ND <0.25  ND ND ND ND ND ND	0.027 J ND <0.24 ND ND ND ND ND ND	ND ND <0.30  ND ND ND ND ND ND ND	ND ND <0.25  ND ND ND ND ND ND
Cyanide  Pesticides (mg/kg)  Aldrin  alpha-BHC  beta-BHC  delta-BHC  gamma-BHC (Lindane)	57-12-5 309-00-2 319-84-6 319-85-7 319-86-8 58-89-9	27 0.097 0.48 0.36	0.005 0.02 0.036 0.04 0.1	ND <0.24  ND ND ND ND	ND <0.24  ND	ND ND <0.25  ND ND ND ND ND ND ND ND ND	0.0526 ND <0.24 ND ND ND	0.153 ND  <0.23  ND  ND  ND  ND  ND  ND  ND  ND  ND	0.122 ND  <0.33  ND  ND  ND  ND  ND  ND  ND  ND  ND	3.08 ND <0.26 ND ND 0.0058 f	0.192 ND  <0.27  ND  ND  ND  ND  ND  ND  ND  ND	0.0314 J ND <0.33 ND	0.051 ND <0.23 ND	ND ND <0.24 ND ND ND ND	0.781 ND <0.25 ND ND ND ND	1.1 ND <0.26 ND ND ND ND	ND ND <0.25 ND ND ND ND	0.027 J ND <0.24 ND	ND ND <0.30  ND	ND ND <0.25  ND
Cyanide  Pesticides (mg/kg)  Aldrin alpha-BHC beta-BHC delta-BHC	57-12-5 309-00-2 319-84-6 319-85-7 319-86-8	0.097 0.48 0.36 100 1.3	27 0.005 0.02 0.036 0.04	ND <0.24  ND	ND <0.24  ND ND ND ND ND ND	ND ND <0.25  ND ND ND ND ND ND	0.0526 ND <0.24 ND ND ND ND ND	0.153 ND <0.23 ND ND ND ND	0.122 ND ND <0.33 ND	3.08 ND <0.26 ND ND 0.0058 f ND	0.192 ND <0.27 ND ND ND	0.0314 J ND <0.33 ND ND ND ND ND ND ND	0.051 ND <0.23 ND ND ND ND	ND ND <0.24  ND	0.781 ND <0.25 ND ND ND	1.1 ND <0.26 ND ND ND	ND ND <0.25  ND ND ND ND ND ND ND ND	0.027 J ND <0.24 ND ND ND ND ND ND	ND ND <0.30 ND ND ND ND ND ND	ND ND <0.25  ND ND ND ND ND ND
Cyanide  Pesticides (mg/kg)  Aldrin  alpha-BHC  beta-BHC  delta-BHC  gamma-BHC (Lindane)  alpha-Chlordane	57-12-5 309-00-2 319-84-6 319-85-7 319-86-8 58-89-9 5103-71-9	0.097 0.48 0.36 100 1.3	0.005 0.02 0.036 0.04 0.1	ND <0.24  ND	ND <0.24  ND	ND ND <0.25  ND	0.0526  ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	0.153 ND <0.23 ND	0.122 ND  <0.33  ND  ND  ND  ND  ND  ND  ND  ND  ND	3.08 ND <0.26 ND ND 0.0058 f ND ND	0.192 ND <0.27 ND	0.0314 J ND <0.33 ND	0.051 ND <0.23 ND	ND ND <0.24 ND N	0.781 ND <0.25 ND	1.1 ND  <0.26  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	ND ND <0.25  ND	0.027 J ND <0.24 ND	ND ND <0.30  ND	ND ND <0.25  ND
Cyanide  Pesticides (mg/kg)  Aldrin  alpha-BHC  beta-BHC  delta-BHC  gamma-BHC (Lindane)  alpha-Chlordane  gamma-Chlordane	57-12-5 309-00-2 319-84-6 319-85-7 319-86-8 58-89-9 5103-71-9 5103-74-2	0.097 0.48 0.36 100 1.3 4.2	27 0.005 0.02 0.036 0.04 0.1 0.094	ND <0.24  ND	ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	ND ND <0.25  ND	0.0526 ND N	0.153 ND <0.23 ND	0.122 ND <0.33 ND O.0019 d	3.08 ND <0.26 ND ND 0.0058 f ND ND ND ND ND ND ND ND ND 0.00096 d	0.192 ND  <0.27  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	0.0314 J	0.051 ND <0.23 ND	ND ND <0.24 ND N	0.781 ND <0.25 ND	1.1 ND  <0.26  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	ND ND <0.25  ND	0.027 J	ND ND <0.30  ND	ND ND <0.25  ND
Cyanide  Pesticides (mg/kg)  Aldrin  alpha-BHC  beta-BHC  delta-BHC  gamma-BHC (Lindane)  alpha-Chlordane  gamma-Chlordane  Dieldrin	57-12-5 309-00-2 319-84-6 319-85-7 319-86-8 58-89-9 5103-71-9 5103-74-2 60-57-1	0.097 0.48 0.36 100 1.3 4.2	0.005 0.02 0.036 0.04 0.1 0.094	ND <0.24  ND	ND <0.24 ND	ND ND <0.25  ND	0.0526 ND	0.153 ND <0.23 ND	0.122 ND N	3.08 ND ND  <0.26  ND  ND  0.0058 f  ND	0.192 ND <0.27 ND	0.0314 J  ND  <0.33  ND  ND  ND  ND  ND  ND  ND  ND  ND	0.051 ND <0.23 ND	ND ND <0.24 ND N	0.781 ND <0.25 ND	1.1 ND <0.26 ND	ND ND <0.25  ND	0.027 J	ND ND <0.30  ND	ND ND <-0.25  ND
Cyanide  Pesticides (mg/kg)  Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) alpha-Chlordane gamma-Chlordane Dieldrin 4,4'-DDD	57-12-5  309-00-2  319-84-6  319-85-7  319-86-8  58-89-9  5103-71-9  5103-74-2  60-57-1  72-54-8	0.097 0.48 0.36 100 1.3 4.2	0.005 0.02 0.036 0.04 0.1 0.094 0.005 0.0033	ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	ND ND <0.25 ND N	0.0526 ND	0.153 ND <0.23 ND	0.122 ND <0.33 ND	3.08 ND <0.26 ND ND 0.0058 f ND ND ND ND ND ND ND ND ND 0.00096 d ND 0.00027 f	0.192 ND	O.0314 J ND  <0.33  ND	0.051 ND <0.23 ND	ND N	0.781 ND <-0.25 ND	1.1 ND <0.26  ND	ND ND <0.25  ND	0.027 J ND	ND ND  ND ND ND ND ND ND ND ND ND ND ND	ND ND <-0.25  ND
Cyanide  Pesticides (mg/kg)  Aldrin  alpha-BHC  beta-BHC  delta-BHC  gamma-BHC (Lindane)  alpha-Chlordane  gamma-Chlordane  Dieldrin  4,4'-DDD  4,4'-DDE	57-12-5  309-00-2  319-84-6  319-85-7  319-86-8  58-89-9  5103-71-9  5103-74-2  60-57-1  72-54-8  72-55-9	0.097 0.48 0.36 100 1.3 4.2 0.2 13 8.9	0.005 0.02 0.036 0.04 0.1 0.094 0.005 0.0033	ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	ND ND <0.25 ND N	0.0526 ND ND  <0.24 ND  O.00085	0.153 ND <0.23 ND O.0012 d	0.122 ND ND  <0.33  ND  ND	3.08 ND  <0.26  ND  ND  0.0058 f  ND  ND  ND  ND  0.00096 d  ND  0.0027 f  0.0142	0.192 ND	0.0314 J ND  <0.33  ND	0.051 ND <0.23 ND N	ND N	0.781 ND <0.25 ND	1.1 ND <0.26 ND	ND ND <-0.25  ND	0.027 J ND  <0.24  ND	ND ND <0.30  ND	ND ND <0.25 ND N
Cyanide  Pesticides (mg/kg)  Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) alpha-Chlordane gamma-Chlordane Dieldrin 4,4'-DDD 4,4'-DDE 4,4'-DDT	57-12-5  309-00-2  319-84-6  319-85-7  319-86-8  58-89-9  5103-71-9  5103-74-2  60-57-1  72-54-8  72-55-9  50-29-3	0.097 0.48 0.36 100 1.3 4.2 0.2 13 8.9 7.9	0.005 0.02 0.036 0.04 0.1 0.094 0.005 0.0033 0.0033	ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	ND N	0.0526 ND ND  <0.24 ND  O.00098 ND  O.00085 0.0021	0.153 ND	0.122 ND  <0.33  ND  ND  ND  ND  ND  ND  ND  ND  ND	3.08 ND  <0.26  ND  ND  0.0058 f  ND  ND  ND  0.00096 d  ND  0.0027 f  0.0142  0.0296	0.192 ND  <0.27  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	0.0314 J ND ND <0.33 ND	0.051 ND <0.23 ND	ND N	0.781 ND <0.25 ND	1.1 ND <0.26 ND	ND N	0.027 J ND	ND ND <-0.30  ND	ND N
Cyanide  Pesticides (mg/kg)  Aldrin  alpha-BHC  beta-BHC  delta-BHC  gamma-BHC (Lindane)  alpha-Chlordane  gamma-Chlordane  Dieldrin  4,4'-DDD  4,4'-DDE  4,4'-DDT  Endrin	57-12-5  309-00-2 319-84-6 319-85-7 319-86-8 58-89-9 5103-71-9 5103-74-2 60-57-1 72-54-8 72-55-9 50-29-3 72-20-8	0.097 0.48 0.36 100 1.3 4.2 0.2 13 8.9 7.9 11	0.005 0.02 0.036 0.04 0.1 0.094 0.005 0.0033 0.0033 0.0033	ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	ND N	0.0526 ND ND  <0.24 ND  ND  ND  ND  ND  O.00098 ND  ND  O.00085 0.0021 ND	0.153 ND	0.122 ND  <0.33  ND  ND  ND  ND  ND  ND  ND  ND  ND	3.08 ND ND ND ND 0.0058 f ND ND ND 0.00096 d ND 0.0027 f 0.0142 0.0296 ND	0.192 ND  <0.27  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	0.0314 J ND ND <-0.33 ND	0.051 ND N	ND N	0.781 ND	1.1 ND <0.26 ND	ND N	0.027 J ND  <0.24  ND	ND N	ND N
Cyanide  Pesticides (mg/kg)  Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) alpha-Chlordane gamma-Chlordane Dieldrin 4,4'-DDD 4,4'-DDE 4,4'-DDT Endrin Endosulfan sulfate	57-12-5  309-00-2  319-84-6  319-85-7  319-86-8  58-89-9  5103-71-9  5103-74-2  60-57-1  72-54-8  72-55-9  50-29-3  72-20-8  1031-07-8	0.097 0.48 0.36 100 1.3 4.2 0.2 13 8.9 7.9 11	0.005 0.02 0.036 0.04 0.1 0.094 0.005 0.0033 0.0033 0.0033	ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	ND N	0.0526 ND  ND  <0.24 ND  ND	0.153 ND	0.122 ND  <0.33  ND  ND  ND  ND  ND  ND  ND  ND  ND	3.08 ND ND ND ND 0.0058 f ND ND ND 0.00096 d ND 0.0027 f 0.0142 0.0296 ND	0.192 ND	0.0314 J ND ND <-0.33 ND	0.051 ND	ND N	0.781 ND	1.1 ND <0.26 ND	ND N	0.027 J ND	ND ND <-0.30  ND	ND N
Cyanide  Pesticides (mg/kg)  Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) alpha-Chlordane gamma-Chlordane Dieldrin 4,4'-DDD 4,4'-DDE 4,4'-DDT Endrin Endosulfan sulfate Endrin aldehyde	57-12-5  309-00-2 319-84-6 319-85-7 319-86-8 58-89-9 5103-71-9 5103-74-2 60-57-1 72-54-8 72-55-9 50-29-3 72-20-8 1031-07-8 7421-93-4	0.097 0.48 0.36 100 1.3 4.2 0.2 13 8.9 7.9 11 24	0.005 0.02 0.036 0.04 0.1 0.094 0.005 0.0033 0.0033 0.0033	ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	ND N	0.0526 ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	0.153 ND	0.122 ND  <0.33  ND  ND  ND  ND  ND  ND  ND  ND  ND	3.08 ND ND ND ND 0.0058 f ND ND ND 0.00096 d ND 0.0027 f 0.0142 0.0296 ND	0.192 ND  <0.27  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	0.0314 J ND ND <0.33 ND	0.051 ND	ND N	0.781 ND	1.1  ND  <0.26  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	ND N	0.027 J ND ND <-0.24 ND	ND N	ND N
Cyanide  Pesticides (mg/kg)  Aldrin  alpha-BHC  beta-BHC  delta-BHC  gamma-BHC (Lindane)  alpha-Chlordane  gamma-Chlordane  Dieldrin  4,4'-DDD  4,4'-DDT  Endrin  Endosulfan sulfate  Endrin aldehyde  Endosulfan-I	57-12-5  309-00-2 319-84-6 319-85-7 319-86-8 58-89-9 5103-71-9 5103-74-2 60-57-1 72-54-8 72-55-9 50-29-3 72-20-8 1031-07-8 7421-93-4 959-98-8	0.097 0.48 0.36 100 1.3 4.2 0.2 13 8.9 7.9 11 24	0.005 0.02 0.036 0.04 0.1 0.094 0.005 0.0033 0.0033 0.0033 0.014 2.4	ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	ND N	0.0526 ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  O.00098  ND  ND  O.00085  O.0021  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	0.153 ND	0.122 ND  <0.33  ND  ND  ND  ND  ND  ND  ND  ND  ND	3.08 ND ND ND ND 0.0058 f ND ND ND 0.00096 d ND 0.0027 f 0.0142 0.0296 ND	0.192 ND  <0.27  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	0.0314 J ND ND <0.33 ND	0.051 ND	ND N	0.781 ND	1.1 ND  <0.26  ND	ND N	0.027 J ND	ND N	ND N
Cyanide  Pesticides (mg/kg)  Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) alpha-Chlordane gamma-Chlordane Dieldrin 4,4'-DDD 4,4'-DDT Endrin Endosulfan sulfate Endrin aldehyde Endosulfan-II	57-12-5  309-00-2  319-84-6  319-85-7  319-86-8  58-89-9  5103-71-9  5103-74-2  60-57-1  72-54-8  72-55-9  50-29-3  72-20-8  1031-07-8  7421-93-4  959-98-8  33213-65-9	0.097 0.48 0.36 100 1.3 4.2 0.2 13 8.9 7.9 11 24	0.005 0.02 0.036 0.04 0.1 0.094 0.005 0.0033 0.0033 0.0033 0.014 2.4	ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	ND N	0.0526 ND  <0.24  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	0.153 ND	0.122 ND  ND	3.08 ND ND ND ND 0.0058 f ND ND ND 0.00096 d ND 0.0027 f 0.0142 0.0296 ND	0.192 ND	0.0314 J ND ND <0.33 ND	0.051 ND	ND N	0.781 ND	1.1 ND  <0.26  ND	ND N	0.027 J ND	ND N	ND N

**Table 2.2** - Summary of Soil Analytical Results 34 State Street, Ossining, NY

SAMPLE ID:				UST-1 (7-7.5)	UST-2 (8-8.5)	UST-3 (9-9.5)	HF-1 (6.5-7)	HF-2 (2-2.5)	HF-3 (3.5-4)	HF-4 (0.5-1)	HF-5 (0.5-1)	HF-6 (1.5-2)	HF-7 (1-1.5)	HF-8 (4-4.5)	HF-9 (1-1.5)	HF-10 (1-1.5)	HF-11 (0.5-1)	HF-12 (4-4.5)	HPO-1 (13.5-14)	HPO-2 (1.5-2)
LAB ID:				JE4905-1	JE4905-2	JE4905-3	JE4905-4	JE4905-5	JE4905-6	JE4905-7	JE4905-8	JE4905-9	JE4905-10	JE4905-11	JE4905-12	JE5000-1	JE5000-2	JE5000-3	JE5000-4	JE5000-5
SAMPLE DATE:				1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/30/2025	1/31/2025	1/31/2025	1/31/2025	1/31/2025	1/31/2025
SAMPLE DEPTH (FT):				7.0-7.5	8.0-8.5	9.0-9.5	6.5-7.0	2.0-2.5	3.5-4.0	0.5-1.0	0.5-1.0	1.5-2.0	1.0-1.5	4.0-4.5	1.0-1.5	1.0-1.5	0.5-1.0	4.0-4.5	13.5-14.0	1.5-2.0
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
ANALYTE	CAS	NY-RESRR	NY-UNRES	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc
Endrin ketone	53494-70-5			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	8001-35-2			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (mg/kg)																				
Aroclor 1016	12674-11-2	1	0.1	ND <sup>b</sup>	ND <sup>b</sup>	ND <sup>b</sup>	ND	ND	ND b	ND	ND b	ND <sup>b</sup>	ND <sup>b</sup>	ND b	ND <sup>b</sup>	ND <sup>b</sup>	ND	ND	ND	ND
Aroclor 1221	11104-28-2	1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	1	0.1	ND	ND	ND	0.0298 J <sup>a</sup>	ND	ND	ND	ND	ND	ND	ND	ND	2.32	ND	ND	ND	ND
Aroclor 1260	11096-82-5	1	0.1	ND	ND	ND	ND	0.0168 J	ND	0.0194 J <sup>a</sup>	ND	ND	ND	ND	ND	0.245	ND	ND	ND	ND
Aroclor 1268	11100-14-4	1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	37324-23-5	1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Exceedance of NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06) >=

Exceedance of NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06) >=

- a = Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- b = Associated CCV outside of control limits high, sample was ND.
- c = Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
- d = More than 40 % RPD for detected concentrations between the two GC columns.
- e = Elevated detection limit due to dilution required for high interfering element.
- f = Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.
- ${\bf g}={\sf This}$  compound in blank spike is outside in house QC limits bias high.
- J = Estimated

ND = Not Detected

SAMPLE ID:				SB201 (0.5-1)	SB202 (0.5-1)	SB203 (1-1.5)	SB204 (0.5-1)	SB205 (0.5-1)	SB206 (0.5-1)	SB207 (0.5-1)	SB208 (0.5-1)	SB209 (0.5-1)	SB210 (0.5-1)	SB211 (0.5-1)	SB212 (0.5-1)	SB213 (0.5-1)	SB214 (0.5-1)	SB215 (0.5-1)
LAB ID:				L2516452-01	L2516452-02	L2516452-03	L2516452-04	L2516452-05	L2516452-06	L2516452-07	L2516452-08	L2516452-09	L2516452-10	L2516452-11	L2516452-12	L2516452-13	L2516452-14	L2516452-15
COLLECTION DATE:				3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025
SAMPLE DEPTH (FT):				0.5-1.0	0.5-1.0	1.0-1.5	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0
SAMPLE MATRIX:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
ANALYTE	CAS	NY-RESRR	NY-UNRES	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q					
VOCs (mg/kg) Methylene chloride	75-09-2	100	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	26	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	49	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	56-23-5	2.4	0.76	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane  Dibromochloromethane	78-87-5 124-48-1			ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1,1,2-Trichloroethane	79-00-5			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	19	1.3	ND	ND	ND	ND	ND	ND	ND	ND	0.00029 J	ND	0.0004 J	ND	ND	ND	ND
Chlorobenzene Trichlorofluoromethane	108-90-7 75-69-4	100	1.1	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1,2-Dichloroethane	107-06-2	3.1	0.02	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1,1,1-Trichloroethane	71-55-6	100	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10061-02-6			ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
cis-1,3-Dichloropropene 1,3-Dichloropropene, Total	10061-01-5 542-75-6			ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1,1-Dichloropropene	563-58-6			ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND
Bromoform	75-25-2			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5 71-43-2	10	0.06	ND ND	ND ND	ND ND	ND ND	ND ND	ND 0.015 L	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Benzene Toluene	71-43-2 108-88-3	4.8 100	0.06 0.7	ND ND	ND ND	ND ND	ND ND	ND ND	0.015 J 0.31	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Ethylbenzene	100-41-4	41	1	ND	ND ND	ND	ND	ND	0.46	ND	ND	ND	0.00031 J	ND	ND	ND	ND ND	ND
Chloromethane	74-87-3			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane Vinyl chloride	74-83-9 75-01-4	0.0	0.02	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Vinyi chloride Chloroethane	75-01-4 75-00-3	0.9	0.02	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1,1-Dichloroethene	75-35-4	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	156-60-5	100	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	79-01-6 95-50-1	21	0.47	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1,2-Dichlorobenzene 1,3-Dichlorobenzene	541-73-1	100 49	1.1 2.4	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1,4-Dichlorobenzene	106-46-7	13	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	1634-04-4	100	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p/m-Xylene o-Xylene	179601-23-1 95-47-6			ND ND	ND ND	ND ND	ND ND	ND ND	3.1 3.4	ND ND	ND ND	ND ND	0.0013 J 0.00043 J	ND ND	ND ND	ND ND	ND ND	ND ND
Xylenes, Total	1330-20-7	100	0.26	ND ND	ND ND	ND	ND	ND	6.5	ND	ND ND	ND ND	0.00043 J	ND ND	ND ND	ND	ND ND	ND
cis-1,2-Dichloroethene	156-59-2	100	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene, Total	540-59-0			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane Styrene	74-95-3 100-42-5			ND ND	ND ND	ND ND	ND ND	ND ND	ND 0.015 J	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Dichlorodifluoromethane	75-71-8			ND ND	ND ND	ND	ND	ND	ND ND	ND	ND ND	ND ND	ND	ND ND	ND	ND	ND ND	ND
Acetone	67-64-1	100	0.05	0.012	ND	ND	ND	ND	ND	ND	0.0049 J	ND	ND	ND	0.0064 J	ND	ND	ND
Carbon disulfide	75-15-0		2.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone Vinyl acetate	78-93-3 108-05-4	100	0.12	ND ND	ND ND	ND ND	ND ND	ND ND	0.26 J ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
4-Methyl-2-pentanone	108-10-1			ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND ND	ND	ND ND	ND	ND	ND ND	ND
1,2,3-Trichloropropane	96-18-4			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	591-78-6			ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane 2,2-Dichloropropane	74-97-5 594-20-7			ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1,2-Dibromoethane	106-93-4			ND ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND ND	ND ND	ND	ND	ND ND	ND
1,3-Dichloropropane	142-28-9			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	630-20-6 108-86-1	-		ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Bromobenzene n-Butylbenzene	108-86-1 104-51-8	100	12	ND ND	ND ND	ND ND	ND ND	ND ND	ND 1.1	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
sec-Butylbenzene	135-98-8	100	11	ND	ND ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	98-06-6	100	5.9	ND	ND	ND	ND	ND	0.035 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene p-Chlorotoluene	95-49-8 106-43-4	-		ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1,2-Dibromo-3-chloropropane	96-12-8			ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Hexachlorobutadiene	87-68-3			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98-82-8			ND ND	ND ND	ND ND	ND	ND	0.48	ND	ND ND	ND ND	ND ND	ND ND	ND	ND	ND ND	ND
p-Isopropyltoluene Naphthalene	99-87-6 91-20-3	100	12	ND ND	ND ND	ND ND	ND ND	ND ND	1.2 1.8	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Acrylonitrile	107-13-1	100	14	ND ND	ND ND	ND ND	ND	ND ND	ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
n-Propylbenzene	103-65-1	100	3.9	ND	ND	ND	ND	ND	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6			ND NB	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND ND	ND	ND	ND ND	ND
1,2,4-Trichlorobenzene 1,3,5-Trimethylbenzene	120-82-1 108-67-8	52	8.4	ND ND	ND ND	ND ND	ND ND	ND ND	ND 5.8	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1,2,4-Trimethylbenzene	95-63-6	52	3.6	ND ND	ND ND	ND ND	ND ND	ND ND	9.3	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1,4-Dioxane	123-91-1	13	0.1	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND
p-Diethylbenzene	105-05-5			ND	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Ethyltoluene	622-96-8	-		ND ND	ND ND	ND ND	ND ND	ND ND	9	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1,2,4,5-Tetramethylbenzene Ethyl ether	95-93-2 60-29-7			ND ND	ND ND	ND ND	ND ND	ND ND	6.9 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
trans-1,4-Dichloro-2-butene	110-57-6			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND
Total VOCs				0.012 -					63.585 -		0.0049 -	0.00029 -	0.00204 -	0.0004 -	0.0064 -			
SVOCs (mg/kg)	92.22.0	400	20	ND	ND	0.02	ND	ND	2.2	ND	ND	0.52	ND	ND	ND	ND	NID	ND
Acenaphthene	83-32-9	100	20	ND	ND	0.02 J	ND	ND	2.3	ND	ND	0.53	ND	ND	ND	ND	ND	ND

March   Marc	SAMPLE ID:			Т	SB201 (0.5-1)	SB202 (0.5-1)	SB203 (1-1.5)	SB204 (0.5-1)	SB205 (0.5-1)	SB206 (0.5-1)	SB207 (0.5-1)	SB208 (0.5-1)	SB209 (0.5-1)	SB210 (0.5-1)	SB211 (0.5-1)	SB212 (0.5-1)	SB213 (0.5-1)	SB214 (0.5-1)	SB215 (0.5-1)
SEMENT STATES   1986					, ,	` ´	` ′	` ,	` ,	` '	` ,	` ´	` ,	` ,	`	` '	` '	` ′	` '
Some	COLLECTION DATE:																		
Section   Column	SAMPLE DEPTH (FT):				0.5-1.0	0.5-1.0	1.0-1.5	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0
Comment   Comm																			
Company   Comp			NY-RESRR	NY-UNRES						-									
Company   Comp	, ,		1.2	0.33															
10   10   10   10   10   10   10   10	7,																		
Company   Comp			100	1 1															
	,						-												
Section   Column	1,4-Dichlorobenzene		13	1.8															
Section   Property	-,-																		
Fig. 1	,																		
Secretary of the Post	Fluoranthene	206-44-0	100	100	0.071 J	0.11 J	0.041 J	ND	ND	12	ND	ND	12 E	0.12 J	ND	0.35 J	0.15	0.17	0.041 J
September   Sept				<u> </u>															
Signature (1974) Signat																			
Case Incomparation						ND						ND	ND	ND					
Companies																			
Standard   Color   C				<del>                                     </del>															
Company   May   Company																			
STATION   1909			100	12															
Characteriseanie																			
Second Company																			
Company	Bis(2-ethylhexyl)phthalate																		
Description   1714-0																			
Comparison																			
	· · ·	84-66-2			ND	ND					ND	ND	ND	ND		ND			
Execution   Proceedings   Procedure   Pr	, , ,		4																
Proceedings			1	1 1									· ·						
Company   Comp	- "		1	1															
Execution   1998   19				0.8															
Personne   150-127   193   193   193   NO   NO   NO   NO   NO   NO   NO   N				100														_	
Flament ( ) 567-77 ( ) 503																			
Presentations   Section	(0 /1 )																		
Discretion Applications   15-70-3   0.33   0.33   NO   NO   NO   NO   NO   NO   NO																			
Instruct   195-996   0.5   0.5   0.5   0.5   0.5   0.5   0.0   0																			
Bighteright   \$66-62-4		193-39-5					ND		ND	2.2			4.2						ND
Excellations   10647-8   NO	•		100	100															
2 Nerromine																			
Abtransime									ND										
Dehenstram																			
Alterhylaphathenium   91-67-6			59	7															
Acetopherone																			
2.4.5 Tick/soxphered   88.06.2   ND																			
Definition-merical   59-50-7																			
2-Chientophened   95-67-8																			
24-Dimenylphenol   105-67-9     ND	2-Chlorophenol	95-57-8							ND								ND		
2-Nitropheriol   88-75-5   N.D.   N																			
4-Mirophenel 109-02-7   ND				<del>                                     </del>															
46-Dillito-o-cresol   534-52:1	4-Nitrophenol	100-02-7						ND	ND							ND	ND		
Pentachlorophenol   87-96-5   6.7   0.8   ND   ND   ND   ND   ND   ND   ND   N																			
Ehemol   108-95-2   100   0.33   ND   ND   ND   ND   ND   ND   ND			6.7	0.8															
3-Methylphenol   108-39-4/106-44-5   100   0.33   ND   ND   ND   ND   ND   ND   ND	Phenol	108-95-2	100	0.33	ND														
2,4,5-Trichlorophenol																			
EBRIZIC ACID   65-85-0   ND			100	0.33															
Carbazole   86-74-8   ND	· · · · · · · · · · · · · · · · · · ·																		
1/4-Dioxane   123-91-1   13																			
Total SVOCs   Control of Contro			12	0.1															
Pesticides (mg/kg)		120-31-1	13	0.1															
Lindane         58-89-9         1.3         0.1         ND	Pesticides (mg/kg)																		
Alpha-BHC         319-84-6         0.48         0.02         ND         ND <td></td>																			
Beta-BHC   319-85-7   0.36   0.036   ND   ND   ND   ND   ND   ND   ND   N																			
Heptachlor   76-44-8   2.1   0.042   ND   ND   ND   ND   ND   ND   ND   N	·																		
Heptachlor epoxide         1024-57-3         ND	Heptachlor	76-44-8	2.1	0.042	ND		ND												
Endrin 72-20-8 11 0.014 ND	-		0.097	0.005															
	<u>'</u>		11	0.014															
	-																		

**Table 2.2** - Summary of Soil Analytical Results 34 State Street, Ossining, NY

OAMBI E ID				00004 (0.5.4)	00000 (0.5.4)	00000 (4.4.5)	00004 (0.5.4)	00005 (0.5.4)	00000 (0.5.4)	0007 (0.5.4)	00000 (0.5.4)	00000 (0.5.4)	00040 (0.5.4)	00044 (0.5.4)	00040 (0.5.4)	00040 (0.5.4)	00044 (0.5.4)	00045 (0.5.4)
SAMPLE ID:				SB201 (0.5-1)	SB202 (0.5-1)	SB203 (1-1.5)	SB204 (0.5-1)	SB205 (0.5-1)	SB206 (0.5-1)	SB207 (0.5-1)	SB208 (0.5-1)	SB209 (0.5-1)	SB210 (0.5-1)	SB211 (0.5-1)	SB212 (0.5-1)	SB213 (0.5-1)	SB214 (0.5-1)	SB215 (0.5-1)
LAB ID:				L2516452-01	L2516452-02	L2516452-03	L2516452-04	L2516452-05	L2516452-06	L2516452-07	L2516452-08	L2516452-09	L2516452-10	L2516452-11	L2516452-12	L2516452-13	L2516452-14	L2516452-15
COLLECTION DATE:				3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025	3/20/2025
SAMPLE DEPTH (FT):				0.5-1.0	0.5-1.0	1.0-1.5	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0
SAMPLE MATRIX:			_	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
ANALYTE	CAS	NY-RESRR	NY-UNRES	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
Endrin ketone	53494-70-5			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	60-57-1	0.2	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	72-55-9	8.9	0.0033	ND	0.00095 J	ND	0.00961	ND	0.00429	0.00131 J	ND ND	ND ND	ND ND	ND	ND	ND	0.00245	ND
4,4'-DDD 4,4'-DDT	72-54-8 50-29-3	13 7.9	0.0033 0.0033	ND ND	ND ND	ND ND	ND 0.00359	ND ND	ND 0.0172 IP	ND 0.00218	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	0.00261 ND	ND ND
Endosulfan I	959-98-8	24	2.4	ND ND	ND ND	ND	ND	ND ND	ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Endosulfan II	33213-65-9	24	2.4	ND	ND ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
Endosulfan sulfate	1031-07-8	24	2.4	ND	ND ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
Methoxychlor	72-43-5			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	8001-35-2			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-Chlordane	5103-71-9	4.2	0.094	ND	ND	ND	ND	ND	0.0246	ND	ND	ND	ND	ND	ND	ND	0.00606 IP	ND
trans-Chlordane	5103-74-2			ND	ND	ND	0.00128 J	ND	0.014	0.000632 JIP	ND	ND	ND	ND	ND	ND	0.00667 IP	ND
Chlordane	57-74-9			ND	ND	ND	ND	ND	0.125	ND	ND	ND	ND	ND	ND	ND	0.0492	ND
PCBs (mg/kg)																		
Aroclor 1016	12674-11-2	1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arcelor 1242	53469-21-9	1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248 Aroclor 1254	12672-29-6 11097-69-1	1	0.1 0.1	ND ND	ND ND	ND ND	ND ND	ND ND	ND 0.0748	ND ND	ND ND	ND 0.0413 J	ND ND	ND 0.00978 J	ND ND	ND ND	ND 0.0229 J	ND ND
Aroclor 1260	11097-69-1	1	0.1	ND ND	ND ND	ND	ND ND	ND ND	0.0746	ND ND	ND ND	0.0413 J	2.48	0.00978 J	0.0204 J	ND ND	0.0229 J	ND ND
Aroclor 1262	37324-23-5	1	0.1	ND	ND ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	11100-14-4	1	0.1	ND	ND	ND	ND	ND	0.0409 J	ND	ND ND	0.0144 J	ND	ND	ND	ND	ND	ND
PCBs, Total	1336-36-3	1	0.1	ND	ND	ND	ND	ND	0.29 J	ND	ND	0.0978 J	2.48	0.0261 J	0.0204 J	ND	0.0552 J	ND
Metals (mg/kg)																		
Aluminum, Total	7429-90-5			7650	12700	9430	19000	10300	25600	7700	9140	6320	6120	3530	4230	11300	13000	11200
Antimony, Total	7440-36-0			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, Total	7440-38-2	16	13	2.56	3.63	2.18	3.56	3.66	4.98	3.91	1.99	7.69	4.6	8.43	5.96	5.78	2.51	1.85
Barium, Total	7440-39-3	400	350	80.7	104	68.4	116	62.1	1160	72.2	37	48.1	62.5	27.3	23.8	144	49.9	53.3
Beryllium, Total	7440-41-7	72	7.2	0.193 J	0.559	0.544	0.69 J	0.346 J	0.206 J	0.266 J	0.178 J	0.294 J	0.221 J	ND	0.226 J	0.409 J	0.269 J	0.195 J
Cadmium, Total	7440-43-9	4.3	2.5	0.15 J	0.094 J	ND	ND 400000	0.056 J	4.99	ND 01000	0.419 J	0.379 J	0.336 J	ND 400000	0.235 J	0.277 J	0.666 J	0.615 J
Calcium, Total	7440-70-2 7440-47-3			5620 14.8	55000 14.4	82600 10.8	123000 17.5	34900 14	62000 106	91000 11.4	20600 7.33	104000 17.9	14500 13.6	189000 6.7	19500 5.55	27200 16.5	15300 12.2	7.31
Chromium, Total Cobalt, Total	7440-47-3	-	<u> </u>	6.36	6.57	3.58	6.54	5.42	13	5.07	13.4	4.69	5.57	2.62 J	3.59	7.5	18.8	17.1
Copper, Total	7440-50-8	270	50	24.8	20.7	9.94	17.6	16.6	2700	12.7	72.3	34.5	38.9	27.4	33.5	52.3	85.4	143
Iron, Total	7439-89-6		- 50	15600	17100	11000	16600	14400	33900	12200	20000	14400	12400	6870	12200	15900	29700	25700
Lead, Total	7439-92-1	400	63	18.4	214	186	430	44.2	3400	20.2	13.6	64.4	164	16.4 J	103	260	40.8	11.4
Magnesium, Total	7439-95-4			6390	39500	50600	87500	25600	35400	50800	15900	59400	9290	112000	12700	21200	12700	10900
Manganese, Total	7439-96-5	2000	1600	514	597	542	643	462	606	616	296	280	232	172	118	377	372	389
Mercury, Total	7439-97-6	0.81	0.18	ND	0.233	0.1	0.12	0.072 J	0.103	ND	ND	0.126	0.169	0.06 J	0.18	0.381	ND	ND
Nickel, Total	7440-02-0	310	30	14	12.8	6.92	13.5	11.6	21.7	9.97	14.9	14.1	12.2	7.23 J	6.06	14.1	20.4	16.8
Potassium, Total	7440-09-7			1980	953	1390	6450	1530	792	1330	684	679	1360	249 J	330	1880	942	926
Selenium, Total	7782-49-2	180	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.325 J	ND	ND
Silver, Total	7440-22-4	180	2	ND	ND	ND	ND	ND	18.7	ND	ND	ND	ND	ND	ND	0.303 J	0.363 J	0.429
Sodium, Total	7440-23-5			ND ND	ND	ND	ND ND	ND ND	962 ND	ND ND	297 ND	ND ND	129 J	ND ND	131 J	125 J	314 ND	424 ND
Thallium, Total	7440-28-0 7440-62-2			ND 18.6	1.2 J 24.8	ND 17.2	ND 27.8	ND 23.7	ND 24.1	ND 16.3	ND 46.2	ND 22.8	ND 25.8	ND 16.9	ND 26.3	ND 28.8	ND 65.6	ND 62.4
Vanadium, Total Zinc, Total	7440-62-2 7440-66-6	10000	109	39.5	94.7	55.6	404	40.2	24.1 2640	29.8	46.2 64	319	25.8 85.8	65.6	66.2	175	96.2	83.8
GENERAL CHEMISTRY	7 440-00-0	10000	109	09.0	34.1	55.0	404	70.2	2040	23.0	04	313	00.0	00.0	00.2	173	30.2	00.0
Solids, Total	NONE			88.1	73.5	84.4	72.1	86.6	82.4	95.2	93.9	88.2	89.9	88.7	91.6	85	77.8	91
Cyanide, Total	57-12-5	27	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
e, and e, i star	57 12 0			.,,,,	.,,,			. 10	. 10	. 10	. 10		. 10	.10	.15	. 10	. 1.0	

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

Exceedance of NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06) >=

Exceedance of NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-

- a = Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- d = More than 40 % RPD for detected concentrations between the two GC columns.
- $\mbox{e} = \mbox{Elevated detection limit due to dilution required for high interfering element}. \label{eq:elevated}$
- J = Etimated
- I = The lower value for the two columns has been reported due to obvious interference.
- P = The RPD between the results for the two columns exceeds the method-specified criteria.

**Table 2.2** - Summary of Soil Analytical Results 34 State Street, Ossining, NY

SAMPLE ID:				EB-01	(2-2.5)	FR-02	(3-3.5)	FB-03	(2.5-3)	FR-04	(1.5-2)	FB-0	5 (4.5-5)	FB-06	6 (7-7.5)	EB-07	(4-4.5)	FB-08	3 (3.5-4)	EB-09	(4.5-5)	EB-10 (4	5-5.0')
LAB ID:				L2525	(= =:-)		183-02		183-03		183-04		5183-05		5183-06	L2525	` '		5183-08		183-09	L25254	
COLLECTION DATE:				4/23/	2025	4/23	/2025	4/23	/2025	4/23/	/2025	4/23	3/2025	4/23	3/2025	4/23/	2025	4/23	/2025	4/23/	/2025	4/24/2	025
SAMPLE DEPTH (FT):				2.0-	-2.5	3.0	-3.5	2.5	i-3.0	1.5	-2.0	4.	5-5.0	7.0	0-7.5	4.0-	-4.5	3.5	5-4.0	4.5	-5.0	4.5-	5.0
SAMPLE MATRIX:				SC	OIL	SC	OIL	S	OIL	SC	OIL	S	OIL	S	OIL	SC	OIL	S	OIL	SC	OIL	SO	L
	CasNum	NY-RESRR	NY-UNRES	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
General Chemistry								T		ı		1				,				1			
Solids, Total (%)	NONE			89.8	0.1	89.4	0.1	89.8	0.1	91.4	0.1	96.5	0.1	93.2	0.1	80.8	0.1	92.7	0.1	88.2	0.1	87.7	0.1
Cyanide, Total (mg/kg)	57-12-5	27	27	ND	1.1	ND	1.1	ND	1.1	ND	1	ND	1	ND	1	ND	1.2	ND	1.1	ND	1	ND	1.1
Pesticides (mg/kg)	240.00.0	400	0.04	ND	0.00470	ND	0.00474	l ND	0.00477	l ND	0.00470	L	0.00400	ND	0.00405	ND	0.00404	ND	0.00400	ND	0.00470	ND	0.00475
Delta-BHC Lindane	319-86-8 58-89-9	100	0.04 0.1	ND ND	0.00176 0.000734	ND ND	0.00171	ND ND	0.00177	ND ND	0.00172 0.000717	ND ND	0.00162 0.000676	ND ND	0.00165 0.000688	ND ND	0.00194	ND ND	0.00169 0.000703	ND ND	0.00176 0.000731	ND ND	0.00175 0.00073
Alpha-BHC	319-84-6	0.48	0.02		0.000734	ND	0.000714	ND	0.000739	ND ND	0.000717	ND ND	0.000676	ND	0.000688	ND ND	0.000807	ND	0.000703	ND	0.000731	ND ND	0.00073
Beta-BHC	319-85-7	0.36	0.036	ND	0.00176	ND	0.00171	ND	0.00177	ND	0.00172	ND	0.000676	ND	0.00165	ND	0.00194	ND	0.00169	ND	0.00176	ND	0.00075
Heptachlor	76-44-8	2.1	0.042	ND	0.00088	ND	0.000857	ND	0.000887	ND	0.000861	ND	0.000811	ND	0.000825	ND	0.000969	ND	0.000843	ND	0.000878	ND	0.000875
Aldrin	309-00-2	0.097	0.005	ND	0.00176	ND	0.00171	ND	0.00177	ND	0.00172	ND	0.00162	ND	0.00165	ND	0.00194	ND	0.00169	ND	0.00176	ND	0.00175
Heptachlor epoxide	1024-57-3			ND	0.0033	ND	0.00321	ND	0.00333	ND	0.00323	ND	0.00304	ND	0.0031	ND	0.00363	ND	0.00316	ND	0.00329	ND	0.00328
Endrin	72-20-8	11	0.014	ND	0.000734	ND	0.000714	ND	0.000739	ND	0.000717	ND	0.000676	ND	0.000688	ND	0.000807	ND	0.000703	ND	0.000731	ND	0.00073
Endrin aldehyde	7421-93-4			ND	0.0022	ND	0.00214	ND	0.00222	ND	0.00215	ND	0.00203	ND	0.00206	ND	0.00242	ND	0.00211	ND	0.00219	ND	0.00219
Endrin ketone	53494-70-5	ļ		ND	0.00176	ND	0.00171	ND	0.00177	ND	0.00172	ND	0.00162	ND	0.00165	ND	0.00194	ND	0.00169	ND	0.00176	ND	0.00175
Dieldrin	60-57-1	0.2	0.005	ND	0.0011	ND	0.00107	ND	0.00111	ND	0.00108	ND	0.00101	ND	0.00103	ND	0.00121	ND	0.00105	ND	0.0011	ND	0.00109
4,4'-DDE	72-55-9	8.9	0.0033	ND	0.00176	0.00244	0.00171	ND	0.00177	ND	0.00172	ND	0.00162	0.00109J	0.00165	0.00713	0.00194	ND	0.00169	0.000884J	0.00176	0.00261	0.00175
4,4'-DDD	72-54-8	13	0.0033	ND	0.00176	ND	0.00171	ND	0.00177	ND	0.00172	ND	0.00162	ND	0.00165	0.00126J	0.00194	ND	0.00169	ND	0.00176	0.000944J	0.00175
4,4'-DDT Endosulfan I	50-29-3 959-98-8	7.9 24	0.0033 2.4	ND ND	0.00176 0.00176	0.00494 ND	0.00171	ND ND	0.00177	ND ND	0.00172 0.00172	ND ND	0.00162 0.00162	ND ND	0.00165	0.00196 ND	0.00194	ND ND	0.00169	ND ND	0.00176	0.00814 ND	0.00175 0.00175
Endosulfan II	33213-65-9	24	2.4	ND	0.00176	ND ND	0.00171	ND ND	0.00177	ND ND	0.00172	ND ND	0.00162	ND ND	0.00165	ND ND	0.00194	ND ND	0.00169	ND ND	0.00176	ND ND	0.00175
Endosulfan sulfate	1031-07-8	24	2.4		0.00176	ND ND	0.00171	ND ND	0.000777	ND ND	0.00172	ND ND	0.00162	ND	0.00163	ND ND	0.000194	ND	0.000703	ND	0.00176	ND ND	0.00173
Methoxychlor	72-43-5	<del></del>		ND	0.0033	ND	0.00321	ND	0.00333	ND	0.00323	ND	0.00304	ND	0.0031	ND	0.00363	ND	0.00316	ND	0.00329	ND	0.00328
Toxaphene	8001-35-2			ND	0.033	ND	0.0321	ND	0.0333	ND	0.0323	ND	0.0304	ND	0.031	ND	0.0363	ND	0.0316	ND	0.0329	ND	0.0328
cis-Chlordane	5103-71-9	4.2	0.094	ND	0.0022	0.00106J	0.00214	ND	0.00222	ND	0.00215	ND	0.00203	ND	0.00206	0.00203JIP	0.00242	ND	0.00211	ND	0.00219	0.00689IP	0.00219
trans-Chlordane	5103-74-2			ND	0.0022	ND	0.00214	ND	0.00222	ND	0.00215	ND	0.00203	ND	0.00206	ND	0.00242	ND	0.00211	ND	0.00219	0.00829	0.00219
Chlordane	57-74-9			ND	0.0147	ND	0.0143	ND	0.0148	ND	0.0143	ND	0.0135	ND	0.0138	ND	0.0161	ND	0.014	ND	0.0146	0.0612	0.0146
PCBs (mg/kg)					ı			Ī		ı			7			1		1					
Aroclor 1016	12674-11-2	1	0.1	ND	0.0514	ND	0.0533	ND	0.0538	ND	0.0518	ND	0.0493	ND	0.0516	ND	0.0606	ND	0.0528	ND	0.0555	ND	0.0544
Aroclor 1221	11104-28-2	1	0.1	ND	0.0514	ND	0.0533	ND	0.0538	ND	0.0518	ND	0.0493	ND	0.0516	ND	0.0606	ND	0.0528	ND	0.0555	ND	0.0544
Aroclor 1232	11141-16-5	1	0.1	ND	0.0514	ND	0.0533	ND	0.0538	ND	0.0518	ND	0.0493	ND	0.0516	ND	0.0606	ND	0.0528	ND	0.0555	ND	0.0544
Aroclor 1242 Aroclor 1248	53469-21-9 12672-29-6	1	0.1 0.1	ND ND	0.0514 0.0514	ND ND	0.0533	ND ND	0.0538 0.0538	ND ND	0.0518 0.0518	ND ND	0.0493 0.0493	ND ND	0.0516 0.0516	ND ND	0.0606	ND ND	0.0528 0.0528	ND ND	0.0555 0.0555	ND ND	0.0544 0.0544
Aroclor 1254	11097-69-1	1	0.1	ND	0.0514	ND	0.0533	ND	0.0538	ND ND	0.0518	ND ND	0.0493	ND	0.0516	ND ND	0.0606	ND	0.0528	ND	0.0555	ND ND	0.0544
Aroclor 1260	11096-82-5	1	0.1	ND	0.0514	ND	0.0533	ND	0.0538	ND	0.0518	ND ND	0.0493	ND	0.0516	ND	0.0606	0.665	0.0528	0.0671	0.0555	ND	0.0544
Aroclor 1262	37324-23-5	1	0.1	ND	0.0514	ND	0.0533	ND	0.0538	ND	0.0518	ND	0.0493	ND	0.0516	ND	0.0606	ND	0.0528	ND	0.0555	ND	0.0544
Aroclor 1268	11100-14-4	1	0.1	ND	0.0514	ND	0.0533	ND	0.0538	ND	0.0518	ND	0.0493	ND	0.0516	ND	0.0606	ND	0.0528	ND	0.0555	ND	0.0544
PCBs, Total	1336-36-3	1	0.1	ND	0.0514	ND	0.0533	ND	0.0538	ND	0.0518	ND	0.0493	ND	0.0516	ND	0.0606	0.665	0.0528	0.0671	0.0555	ND	0.0544
SVOCs (mg/kg)																							
Acenaphthene	83-32-9	100	20	ND	0.15	ND	0.15	ND	0.15	ND	0.14	ND	0.14	ND	0.14	ND	0.16	ND	4.3	ND	3	0.19	0.15
1,2,4-Trichlorobenzene	120-82-1	ļ		ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
Hexachlorobenzene	118-74-1	1.2	0.33	ND	0.11	ND	0.11	ND	0.11	ND	0.11	ND	0.1	ND	0.11	ND	0.12	ND	3.2	ND	2.2	ND	0.11
Bis(2-chloroethyl)ether	111-44-4			ND	0.16	ND	0.17	ND	0.16	ND	0.16	ND	0.16	ND	0.16	ND	0.18	ND	4.8	ND	3.3	ND	0.17
2-Chloronaphthalene	91-58-7 95-50-1	100	1.1	ND ND	0.18 0.18	ND ND	0.18	ND ND	0.18	ND ND	0.18 0.18	ND ND	0.17 0.17	ND ND	0.18	ND ND	0.2	ND ND	5.4	ND ND	3.7	ND ND	0.19 0.19
1,2-Dichlorobenzene 1,3-Dichlorobenzene	95-50-1 541-73-1	49	2.4	ND ND	0.18	ND ND	0.18	ND ND	0.18	ND ND	0.18	ND ND	0.17	ND ND	0.18	ND ND	0.2	ND ND	5.4	ND ND	3.7	ND ND	0.19
1,4-Dichlorobenzene	106-46-7	13	1.8	ND	0.18	ND	0.18	ND	0.18	ND ND	0.18	ND ND	0.17	ND	0.18	ND ND	0.2	ND	5.4	ND	3.7	ND ND	0.19
3,3'-Dichlorobenzidine	91-94-1	, · · ·		ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
2,4-Dinitrotoluene	121-14-2			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
2,6-Dinitrotoluene	606-20-2			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
Fluoranthene	206-44-0	100	100	ND	0.11	0.054J	0.11	ND	0.11	ND	0.11	ND	0.1	ND	0.11	0.032J	0.12	1.2J	3.2	ND	2.2	1	0.11
4-Chlorophenyl phenyl ether	7005-72-3			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
4-Bromophenyl phenyl ether	101-55-3			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
Bis(2-chloroisopropyl)ether	108-60-1			ND	0.22	ND	0.22	ND	0.22	ND	0.21	ND	0.21	ND	0.21	ND	0.24	ND	6.4	ND	4.5	ND	0.22
Bis(2-chloroethoxy)methane	111-91-1			ND	0.2	ND	0.2	ND	0.2	ND	0.19	ND	0.19	ND	0.19	ND	0.22	ND	5.8	ND	4	ND	0.2
Hexachlorobutadiene	87-68-3	-		ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
Hexachlorocyclopentadiene Hexachlorocythano	77-47-4 67 72 1			ND	0.52	ND	0.53	ND	0.52	ND	0.51	ND	0.49	ND	0.51	ND ND	0.58	ND	15	ND	11	ND	0.53
Hexachloroethane	67-72-1 78-59-1	-		ND ND	0.15 0.16	ND ND	0.15 0.17	ND ND	0.15 0.16	ND ND	0.14 0.16	ND ND	0.14 0.16	ND ND	0.14	ND ND	0.16 0.18	ND ND	4.3	ND ND	3.3	ND ND	0.15 0.17
Isophorone Naphthalene	78-59-1 91-20-3	100	12	ND ND	0.16	ND ND	0.17	ND ND	0.16	ND ND	0.16	ND ND	0.16	ND ND	0.16	ND ND	0.18	ND ND	4.8 5.4	ND ND	3.3	0.12J	0.17
тарпшанне	J1-20-3	100	14	םאו _	0.10	שאו	0.10	, שאי ו	0.10	. שיי ו	0.10	ן ואט	0.17	טאו	0.10	ם או	0.2	ם או	5.4	טאו	3.1	U. 12J	0.18

**Table 2.2** - Summary of Soil Analytical Results 34 State Street, Ossining, NY

SAMPLE ID:				EB-01	(2-2.5)	EB-02	(3-3.5)	EB-03	(2.5-3)	EB-04	(1.5-2)	EB-05	(4.5-5)	EB-06	(7-7.5)	EB-07 (	(4-4.5)	EB-08	(3.5-4)	EB-09	(4.5-5)	EB-10 (4	4.5-5.0')
LAB ID:				L2525	` -,		183-02	L2525	· /	L2525	` ,	L25251	` '	L25251	` '	L25251	· ,	L2525	` '	L2525	<del>` '</del>	L25254	
COLLECTION DATE:				4/23/		4/23/	2025	4/23/	2025	4/23/	/2025	4/23/2	2025	4/23/2	2025	4/23/2	2025	4/23/	2025	4/23/	2025	4/24/	2025
SAMPLE DEPTH (FT):				2.0-	-2.5	3.0-	-3.5	2.5	-3.0	1.5	-2.0	4.5-	5.0	7.0-	7.5	4.0-4	4.5	3.5-	4.0	4.5-	-5.0	4.5-	-5.0
SAMPLE MATRIX:				sc	OIL	sc	OIL	sc	OIL	sc	OIL	so	IL	so	IL	so	IL	sc	IL	SC	OIL	SC	OIL
	CasNum	NY-RESRR	NY-UNRES	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Nitrobenzene	98-95-3			ND	0.16	ND	0.17	ND	0.16	ND	0.16	ND	0.16	ND	0.16	ND	0.18	ND	4.8	ND	3.3	ND	0.17
NDPA/DPA	86-30-6			ND	0.15	ND	0.15	ND	0.15	ND	0.14	ND	0.14	ND	0.14	ND	0.16	ND	4.3	ND	3	ND	0.15
n-Nitrosodi-n-propylamine	621-64-7			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
Bis(2-ethylhexyl)phthalate	117-81-7			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
Butyl benzyl phthalate	85-68-7			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
Di-n-butylphthalate	84-74-2			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
Di-n-octylphthalate	117-84-0			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
Diethyl phthalate	84-66-2			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
Dimethyl phthalate	131-11-3			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
Benzo(a)anthracene	56-55-3	1	1	ND	0.11	0.04J	0.11	ND	0.11	ND	0.11	ND	0.1	ND	0.11	0.026J	0.12	0.89J	3.2	ND	2.2	0.45	0.11
Benzo(a)pyrene	50-32-8	1	1	ND	0.15	ND 0.0451	0.15	ND	0.15	ND	0.14	ND	0.14	ND	0.14	ND 0.0001	0.16	ND	4.3	ND	3	0.44	0.15
Benzo(b)fluoranthene	205-99-2	2.0	0.0	ND	0.11	0.045J	0.11	ND	0.11	ND	0.11	ND	0.1	ND	0.11	0.036J	0.12	ND	3.2	ND	2.2	0.47	0.11
Benzo(k)fluoranthene	207-08-9	3.9 3.9	0.8	ND	0.11 0.11	ND 0.036J	0.11	ND	0.11	ND	0.11	ND	0.1	ND ND	0.11	ND 0.03J	0.12	ND 0.75J	3.2	ND ND	2.2	0.2	0.11 0.11
Chrysene	218-01-9 208-96-8	100	100	ND ND	0.11	0.036J ND	0.11	ND ND	0.11 0.15	ND ND	0.11 0.14	ND ND	0.1	ND ND	0.11	ND	0.12	0.75J ND	4.3	ND ND	2.2	0.4 ND	0.11
Acenaphthylene Anthracene	120-12-7	100	100	ND ND	0.15	ND ND	0.15	ND ND	0.15	ND ND	0.14	ND ND	0.14	ND ND	0.14	ND ND	0.16	ND ND	3.2	ND ND	2.2	0.3	0.15
Benzo(ghi)perylene	191-24-2	100	100	ND ND	0.11	0.024J	0.11	ND ND	0.11	ND ND	0.11	ND ND	0.14	ND	0.11	0.026J	0.12	ND ND	4.3	ND ND	3	0.3	0.11
Fluorene	86-73-7	100	30	ND ND	0.13	0.0243 ND	0.13	ND ND	0.13	ND	0.14	ND ND	0.14	ND	0.14	0.0263 ND	0.16	ND ND	5.4	ND ND	3.7	0.24 0.14J	0.15
Phenanthrene	85-01-8	100	100	ND	0.10	0.029J	0.10	ND	0.10	ND	0.10	ND	0.17	ND	0.10	ND	0.12	0.69J	3.4	ND	2.2	0.88	0.19
Dibenzo(a,h)anthracene	53-70-3	0.33	0.33	ND	0.11	ND	0.11	ND	0.11	ND	0.11	ND	0.1	ND	0.11	ND	0.12	ND	3.2	ND	2.2	0.056J	0.11
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	ND	0.15	ND	0.15	ND	0.15	ND	0.14	ND	0.14	ND	0.14	ND	0.16	ND	4.3	ND	3	0.23	0.15
Pyrene	129-00-0	100	100	ND	0.11	0.055J	0.11	ND	0.11	ND	0.11	ND	0.1	ND	0.11	0.033J	0.12	1.2J	3.2	ND	2.2	0.78	0.11
Biphenyl	92-52-4			ND	0.42	ND	0.42	ND	0.42	ND	0.4	ND	0.39	ND	0.41	ND	0.46	ND	12	ND	8.5	ND	0.43
4-Chloroaniline	106-47-8			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
2-Nitroaniline	88-74-4			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
3-Nitroaniline	99-09-2			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
4-Nitroaniline	100-01-6			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
Dibenzofuran	132-64-9	59	7	ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	0.078J	0.19
2-Methylnaphthalene	91-57-6			ND	0.22	ND	0.22	ND	0.22	ND	0.21	ND	0.21	ND	0.21	ND	0.24	ND	6.4	ND	4.5	0.036J	0.22
1,2,4,5-Tetrachlorobenzene	95-94-3			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
Acetophenone	98-86-2			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
2,4,6-Trichlorophenol	88-06-2			ND	0.11	ND	0.11	ND	0.11	ND	0.11	ND	0.1	ND	0.11	ND	0.12	ND	3.2	ND	2.2	ND	0.11
p-Chloro-m-cresol	59-50-7			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
2-Chlorophenol	95-57-8			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
2,4-Dichlorophenol	120-83-2			ND	0.16	ND	0.17	ND	0.16	ND	0.16	ND	0.16	ND	0.16	ND	0.18	ND	4.8	ND	3.3	ND	0.17
2,4-Dimethylphenol	105-67-9			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
2-Nitrophenol	88-75-5 100-02-7			ND	0.39	ND ND	0.4	ND ND	0.4	ND ND	0.38 0.25	ND ND	0.37	ND ND	0.38	ND ND	0.44	ND	12 7.5	ND ND	<u>8</u>	ND ND	0.4
4-Nitrophenol 2,4-Dinitrophenol	100-02-7 51-28-5			ND ND	0.26 0.88	ND ND	0.26	ND ND	0.26 0.88	ND ND	0.25	ND ND	0.24	ND ND	0.25	ND ND	0.28	ND ND	7.5 26	ND ND	5.2 18	ND ND	0.26
4,6-Dinitropnenoi	51-28-5			ND ND	0.88	ND ND	0.89	ND ND	0.88	ND ND	0.85	ND ND	0.83	ND	0.86	ND ND	0.97	ND ND	14	ND ND	9.7	ND ND	0.9 0.49
Pentachlorophenol	87-86-5	6.7	0.8	ND ND	0.46	ND	0.46	ND ND	0.46	ND	0.46	ND ND	0.45	ND	0.46	ND ND	0.32	ND	4.3	ND ND	3	ND ND	0.49
Phenol	108-95-2	100	0.33	ND	0.13	ND	0.13	ND	0.13	ND	0.14	ND	0.17	ND	0.14	ND	0.10	ND	5.4	ND	3.7	ND	0.19
2-Methylphenol	95-48-7	100	0.33	ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	100	0.33	ND	0.26	ND	0.27	ND	0.26	ND	0.26	ND	0.25	ND	0.26	ND	0.29	ND	7.7	ND	5.4	ND	0.13
2,4,5-Trichlorophenol	95-95-4			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
Benzoic Acid	65-85-0			ND	0.59	ND	0.6	ND	0.59	ND	0.57	ND	0.56	ND	0.58	ND	0.65	ND	17	ND	12	ND	0.61
Benzyl Alcohol	100-51-6			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	ND	0.19
Carbazole	86-74-8			ND	0.18	ND	0.18	ND	0.18	ND	0.18	ND	0.17	ND	0.18	ND	0.2	ND	5.4	ND	3.7	0.14J	0.19
1,4-Dioxane	123-91-1	13	0.1	ND	0.027	ND	0.028	ND	0.027	ND	0.026	ND	0.026	ND	0.027	ND	0.03	ND	0.8	ND	0.56	ND	0.028
Metals (mg/kg)																							
Aluminum, Total	7429-90-5			9240	8.55	6740	8.72	11200	8.41	8510	17	2810	80.3	11600	33.1	5730	9.35	5000	8.3	3360	8.65	12900	8.92
Antimony, Total	7440-36-0			ND	4.27	ND	4.36	ND	4.2	ND	8.49	ND	40.1	ND	16.5	ND	4.67	ND	4.15	ND	4.33	ND	4.46
Arsenic, Total	7440-38-2	16	13	5.08	0.855	2.52	0.872	3.12	0.841	3.6	1.7	ND	8.03	1.68J	3.31	1.25	0.935	3.32	0.83	5.84	0.865	3.63	0.892
Barium, Total	7440-39-3	400	350	89.3	0.855	54.9	0.872	54.6	0.841	33.7	1.7	12	8.03	25.2	3.31	59.9	0.935	46.7	0.83	38.2	0.865	116	0.892
Beryllium, Total	7440-41-7	72	7.2	0.37J	0.427	0.356J	0.436	0.403J	0.42	0.435J	0.849	ND	4.01	0.93J	1.65	0.246J	0.467	0.232J	0.415	0.296J	0.433	0.591	0.446
Cadmium, Total	7440-43-9	4.3	2.5	0.182J	0.855	0.061J	0.872	0.089J	0.841	0.187J	1.7	0.442J	8.03	0.343J	3.31	0.129J	0.935	0.281J	0.83	0.29J	0.865	0.194J	0.892
Calcium, Total	7440-70-2			30000	8.55	2550	8.72	1310	8.41	79100	17	177000	80.3	121000	33.1	27700	9.35	8560	8.3	54700	17.3	4640	8.92
Chromium, Total	7440-47-3			14.6	0.855	14.8	0.872	14.6	0.841	9.81	1.7	ND	8.03	11.1	3.31	15.7	0.935	8.76	0.83	11.3	0.865	20.2	0.892
Cobalt, Total	7440-48-4		ı	5.81	1.71	4.74	1.74	7.1	1.68	5.18	3.4	ND	16	3.94J	6.62	5.03	1.87	4.3	1.66	4.3	1.73	8.74	1.78

**Table 2.2** - Summary of Soil Analytical Results 34 State Street, Ossining, NY

Column   C	SAMPLE ID:				FB-01	(2-2.5)	FR-02	(3-3.5)	FB-03	(2.5-3)	FB-04	1 (1.5-2)	FB-05	i (4.5-5)	EB-06	(7-7.5)	EB-07	(4-4.5)	EB-08	(3.5-4)	FB-09	(4.5-5)	EB-10 (	4.5-5.0')
MAINTENNE   1996   19						` -,		· ,	1	, ,		` '		<del>`</del>		<u> </u>	1	· ,		` ,		, ,		
September   Column									<b>-</b>						1									
Conference   Con	SAMPLE DEPTH (FT):				2.0	)-2.5	3.0	-3.5	2.5	-3.0			4.5	5-5.0	7.0-	7.5	+		3.5-	4.0	4.5	-5.0	4.5	-5.0
Campan   Table   Tab	SAMPLE MATRIX:				S	OIL	SC	OIL	S	OIL	S	OIL	SC	OIL	so	OIL	so	OIL	so	IL	SC	OIL	sc	OIL
Part		CasNum	NY-RESRR	NY-UNRES	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
December   Property   Mode   Property   Mode   Property   Proper	Copper, Total	7440-50-8	270	50	29.7	0.855	19.6	0.872	10.7	0.841	13.3	1.7	12.8	8.03	13.5	3.31	13.4	0.935	23.3	0.83	29.3	0.865	23.7	0.892
	Iron, Total	7439-89-6			13900	4.27	10700	4.36	16300	4.2	14000	8.49	5380	40.1	17200	16.5	9400	4.67	9470	4.15	9850	4.33	18800	4.46
Pergan, Total   Pergan, Tota	Lead, Total		400	63											1		1							4.46
Description   Product																								8.92
Part	<u> </u>								<b>†</b>															0.892
Processors   February   Processors   Proce	7														1		<b>+</b>							0.074
Description   1988-198   198   2.9   No.   1.71   No.   1.74   No.   1.74   No.   1.85   No.   2.94   No.   1.85   No.   2.94   No.   1.87   No.   1.86   No.   1.74   No.   1.86   No.   2.94   No.	· ·		310	30					1															2.23
Symptors	·		180	3.0					t															1.78
Education   Profession   Prof	<del>'</del>								t								1							0.446
Description   Principle   Pr	<del>'</del>																							178
Description   Transfer   Transf	· · · · · · · · · · · · · · · · · · ·																							1.78
Note   Procedure	Vanadium, Total	7440-62-2			22.3	0.855	18.6	0.872	20.9	0.841	16.4	1.7	17.5	8.03	19.2	3.31	15.3	0.935	17.5	0.83	26.4	0.865	26.4	0.892
Experiment solution	Zinc, Total	7440-66-6	10000	109	118	4.27	33.1	4.36	40.5	4.2	35.6	8.49	57	40.1	58.3	16.5	22.3	4.67	59.4	4.15	80.4	4.33		4.46
Fig.	VOCs (mg/kg)																							
Control   Cont	Methylene chloride	75-09-2	100	0.05	ND	0.0046	ND	0.0065	ND	0.005	ND	0.0047	ND	0.0055	ND	0.0054	ND	0.0058	ND	0.0068	ND	0.0049	ND	0.0054
Caston markshrown   S84295   2.4	1,1-Dichloroethane				ND											0.0011								0.0011
Page	Chloroform	67-66-3	49	0.37	ND		ND	0.002	ND		ND		ND		ND		ND		ND	0.002	ND	0.0015	ND	0.0016
Departmentmentmentmentmentmentmentmentmentmen			2.4	0.76					ł								1							0.0011
1.2 Technologeneries   127-18-6   10	<del>'</del>																1							0.0011
Tetrachioropheme   157.18-4   19																								0.0011
The control of the	· ·		10	1.2													1							0.0011 0.00054
Technomechanne   T7:669-4   S.   ND   0.00367   ND   0.0052   ND   0.0052   ND   0.0044   ND   0.0054   ND   0.0054   ND   0.00594   ND   0.00594   ND   0.00599   ND																	1		1					0.00054
2-20-Entroperhame			100	1.1					1						1		<b>.</b>		•					0.00034
1.1.1   Technoropropers   71.556   100   0.088   ND   0.00068			3.1	0.02													+							0.0011
Institution   Tender   Tende	· · · · - · · · ·		100						1								+							0.00054
Inch	Bromodichloromethane	75-27-4			ND	0.00046	ND	0.00065	ND	0.0005	ND	0.00047	ND	0.00055	ND	0.00054	ND	0.00058	ND	0.00068	ND	0.00049	ND	0.00054
1-3-Decinograpenen, Total   5442-79-6-8   ND   0.00046	trans-1,3-Dichloropropene	10061-02-6			ND	0.00092	ND	0.0013	ND	0.001	ND	0.00094	ND	0.0011	ND	0.0011	ND	0.0012	ND	0.0014	ND	0.00099	ND	0.0011
1-10-linkorgenere   563-88-6   ND   0,00068   ND	cis-1,3-Dichloropropene	10061-01-5			ND	0.00046	ND	0.00065	ND	0.0005	ND	0.00047	ND	0.00055	ND	0.00054	ND	0.00058	ND	0.00068	ND	0.00049	ND	0.00054
Formomer   75-52-2   ND	1,3-Dichloropropene, Total	542-75-6			ND	0.00046	ND	0.00065	ND	0.0005	ND	0.00047	ND	0.00055	ND	0.00054	ND	0.00058	ND	0.00068	ND	0.00049	ND	0.00054
1.1.2_Fetroschroroethane   79-34-5	' '								<b>†</b>								1							0.00054
Benzene																								0.0044
Tolure   108-88-3			4.0	0.00																				0.00054
Ehyberzene									<b>†</b>															0.00054
Chicomethane   74-87-3				0.7																				0.0011
Bromeshane   74-83-9   ND 0.0018   ND 0.0026   ND 0.0022   ND 0.0022   ND 0.0022   ND 0.0023   ND 0.0027   ND 0.0022   ND 0.0027   ND 0.0022   ND 0.0024   ND 0.0024   ND 0.0024   ND 0.0024   ND 0.0024   ND 0.0021   ND 0.0024   ND 0.0024   ND 0.0024   ND 0.0024   ND 0.0021   ND 0.0024   ND 0.0022   ND 0.0023   ND 0.0027   ND 0.0022   ND 0.0024   ND 0.0022   ND 0.0023   ND 0.0027   ND 0.0022   ND 0.0024   ND 0.			41	'					<b>†</b>															0.0044
Viny chloride   75-01-4   0.9   0.02   ND   0.0092   ND   0.0013   ND   0.0011   ND   0.0094   ND   0.0011   ND   0.0011   ND   0.0012   ND   0.0014   ND   0.00099   ND									<b>†</b>						1		1							0.0022
Chloroethane   75-00-3			0.9	0.02					<b>†</b>								1							0.0011
1,1-Dichloroethene   75:35-4   100   0.33   ND   0.0092   ND   0.0013   ND   0.0011   ND   0.0094   ND   0.0011   ND   0.0011   ND   0.0012   ND   0.0014   ND   0.00099   ND   17:00-10-10-10-10-10-10-10-10-10-10-10-10-1																	1							0.0022
Trichloroethene   79-01-6	1,1-Dichloroethene	75-35-4	100	0.33	ND		ND	0.0013	ND		ND		ND		ND	0.0011	ND	0.0012	ND	0.0014	ND	0.00099	ND	0.0011
1,2-Dichlorobenzene 95-50-1 100 1.1 ND 0.0018 ND 0.0026 ND 0.002 ND 0.0019 ND 0.0022 ND 0.0022 ND 0.0023 ND 0.0027 ND 0.002 ND 0.002 ND 1,2-Dichlorobenzene 541-73-1 49 2.4 ND 0.018 ND 0.0026 ND 0.0026 ND 0.002 ND 0.0019 ND 0.0022 ND 0.0022 ND 0.0023 ND 0.0027 ND 0.002 ND 0.002 ND 0.0024 ND 0.0024 ND 0.0025 ND 0.0025 ND 0.0025 ND 0.0025 ND 0.0025 ND 0.0027 ND 0.002 ND 0.0024 ND 0.0025	trans-1,2-Dichloroethene	156-60-5	100	0.19	ND	0.0014	ND	0.002	ND	0.0015	ND	0.0014	ND	0.0016	ND	0.0016	ND	0.0017	ND	0.002	ND	0.0015	ND	0.0016
1,3-Dichlorobenzene   541-73-1   49   2.4   ND   0.0018   ND   0.0026   ND   0.002   ND   0.0019   ND   0.0022   ND   0.0022   ND   0.0023   ND   0.0027   ND   0.002   ND   0.002   ND   1,4-Dichlorobenzene   106-46-7   13   1.8   ND   0.0018   ND   0.0026   ND   0.002   ND   0.0019   ND   0.0022   ND   0.0022   ND   0.0023   ND   0.0027   ND   0.002   ND   0.002   ND   0.0024   ND   0.0024   ND   0.0023   ND   0.0027   ND   0.0024   ND   0.0025	Trichloroethene		21	0.47											ND		<del> </del>							0.00054
1,4-Dichlorobenzene   106-46-7   13   1.8   ND   0.0018   ND   0.0026   ND   0.002   ND   0.0019   ND   0.0022   ND   0.0022   ND   0.0023   ND   0.0027   ND   0.002   ND   0.002   ND   0.002   ND   0.0024   ND   0.0024   ND   0.0024   ND   0.0025   ND   0.0025   ND   0.0027   ND   0.0027   ND   0.002   ND   0.0027   ND   0.0024   ND   0.0024   ND   0.0024   ND   0.0025   ND	· ·		1						l						1		<del> </del>							0.0022
Methyl tert butyl ether 1634-04-4 100 0.93 ND 0.0018 ND 0.0026 ND 0.002 ND 0.0019 ND 0.0012 ND 0.0022 ND 0.0023 ND 0.0027 ND 0.002 ND 0.00	<u> </u>														1		1		•					0.0022
P/m-Xylene   179601-23-1   ND   0.0018   ND   0.0026   ND   0.002   ND   0.0019   ND   0.0022   ND   0.0022   ND   0.0023   ND   0.0027   ND   0.002   ND   0.0029   ND   0.0039   ND   0.0039   ND   0.0039   ND   0.0014   ND																								0.0022
o-Xylene         95-47-6         ND         0.00092         ND         0.0013         ND         0.001         ND         0.0011         ND         0.0012         ND         0.0014         ND         0.00099         ND           Xylenes, Total         1330-20-7         100         0.26         ND         0.00092         ND         0.0013         ND         0.001         ND         0.0011         ND         0.0012         ND         0.0014         ND         0.00099         ND           Kylenes, Total         156-59-2         100         0.25         ND         0.00092         ND         0.0013         ND         0.001         ND         0.0011         ND         0.0012         ND         0.0014         ND         0.00099         ND           cis-1,2-Dichloroethene         156-59-2         100         0.25         ND         0.0013         ND         0.001         ND         0.0011         ND         0.0012         ND         0.0014         ND         0.0019         ND         0.0011         ND         0.0012         ND         0.0014         ND         0.00099         ND           1,2-Dichloroethene, Total         540-59-0         ND         0.0018         ND         0.00	· · ·		100	0.93													1							0.0022
Xylenes, Total         1330-20-7         100         0.26         ND         0.0012         ND         0.0014         ND         0.00099         ND           cis-1,2-Dichloroethene         156-59-2         100         0.25         ND         0.00092         ND         0.0013         ND         0.0014         ND         0.0014         ND         0.0014         ND         0.00099         ND           1,2-Dichloroethene, Total         540-59-0         ND         0.00092         ND         0.0013         ND         0.0014         ND         0.0014         ND         0.0014         ND         0.00099         ND           Dibromomethane         74-95-3         ND         0.0018         ND         0.0026         ND         0.002         ND         0.0019         ND         0.0022         ND         0.0023         ND         0.0027         ND         0.002         ND           Styrene         100-42-5         ND         ND         0.0013         ND         0.001         ND         0.0011         ND         0.0012         ND         0.0014         ND         0.0099         ND           Dichlorodifluoromethane         75-71-8         ND         ND         0.0013         ND	· · ·																<del> </del>							0.0022 0.0011
cis-1,2-Dichloroethene         156-59-2         100         0.25         ND         0.00092         ND         0.0013         ND         0.0011         ND         0.0011         ND         0.0011         ND         0.0012         ND         0.0014         ND         0.00099         ND           1,2-Dichloroethene, Total         540-59-0         ND         0.00092         ND         0.0013         ND         0.001         ND         0.0011         ND         0.0011         ND         0.0011         ND         0.0012         ND         0.0014         ND         0.00099         ND           Dibromomethane         74-95-3         ND         0.0018         ND         0.0026         ND         0.002         ND         0.0019         ND         0.0022         ND         0.0023         ND         0.0027         ND         0.002         ND           Styrene         100-42-5         ND         0.0092         ND         0.0013         ND         0.001         ND         0.0011         ND         0.0012         ND         0.0014         ND         0.0099         ND           Dichlorodifluoromethane         75-71-8         ND         0.0092         ND         0.013         ND			100	0.26																				0.0011
1,2-Dichloroethene, Total         540-59-0         ND         0.00092         ND         0.0013         ND         0.001         ND         0.0011         ND         0.0012         ND         0.0014         ND         0.00099         ND           Dibromomethane         74-95-3         ND         0.0018         ND         0.0026         ND         0.002         ND         0.0012         ND         0.0027         ND         0.002         ND           Styrene         100-42-5         ND         0.0092         ND         0.0013         ND         0.001         ND         0.0011         ND         0.0012         ND         0.0014         ND         0.00099         ND           Dichlorodifluoromethane         75-71-8         ND         0.0092         ND         0.013         ND         0.01         ND         0.0094         ND         0.011         ND         0.012         ND         0.014         ND         0.0099         ND           Acetone         67-64-1         100         0.05         ND         0.013         ND         0.01         ND         0.0057         0.011         ND         0.012         ND         0.014         ND         0.0099         ND <td>· ·</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td>0.0011</td>	· ·								1															0.0011
Dibromomethane         74-95-3         ND         0.0018         ND         0.0026         ND         0.002         ND         0.0022         ND         0.0022         ND         0.0023         ND         0.0027         ND         0.002         ND           Styrene         100-42-5         ND         0.00092         ND         0.0013         ND         0.0011         ND         0.0011         ND         0.0012         ND         0.0014         ND         0.00099         ND           Dichlorodifluoromethane         75-71-8         ND         0.0092         ND         0.013         ND         0.01         ND         0.0094         ND         0.011         ND         0.012         ND         0.014         ND         0.0099         ND           Acetone         67-64-1         100         0.05         ND         0.013         ND         0.01         ND         0.0057J         0.011         ND         0.012         ND         0.014         ND         0.0099         ND	· ·		100	0.20					<del>                                     </del>								<b>+</b>							0.0011
Styrene         100-42-5         ND         0.00092         ND         0.0013         ND         0.001         ND         0.0011         ND         0.0012         ND         0.0014         ND         0.00099         ND           Dichlorodifluoromethane         75-71-8         ND         0.0092         ND         0.013         ND         0.01         ND         0.011         ND         0.012         ND         0.014         ND         0.0099         ND           Acetone         67-64-1         100         0.05         ND         0.013         ND         0.01         ND         0.057J         0.011         ND         0.012         ND         0.014         ND         0.0099         ND	· · · · · · · · · · · · · · · · · · ·																1							0.0022
Dichlorodifluoromethane         75-71-8         ND         0.0092         ND         0.013         ND         0.01         ND         0.011         ND         0.012         ND         0.014         ND         0.0099         ND           Acetone         67-64-1         100         0.05         ND         0.0092         ND         0.013         ND         0.011         ND         0.012         ND         0.014         ND         0.0099         ND	_																							0.0011
Acetone 67-64-1 100 0.05 ND 0.092 ND 0.013 ND 0.01 ND 0.0094 0.0057J 0.011 0.031 0.011 ND 0.012 ND 0.014 ND 0.0099 ND									<b>-</b>						1		<b>+</b>		•					0.011
	Acetone	67-64-1	100	0.05	ND	0.0092	ND	0.013	ND	0.01	ND	0.0094	0.0057J		0.031	0.011	ND	0.012	ND	0.014	ND	0.0099	ND	0.011
	Carbon disulfide	75-15-0			ND	0.0092	ND	0.013	ND	0.01	ND	0.0094	ND		ND	0.011	ND	0.012	ND	0.014	ND	0.0099	ND	0.011
2-Butanone 78-93-3 100 0.12 ND 0.0092 ND 0.013 ND 0.01 ND 0.0094 ND 0.011 ND 0.011 ND 0.011 ND 0.012 ND 0.014 ND 0.0099 ND	2-Butanone	78-93-3	100	0.12	ND	0.0092	ND	0.013	ND	0.01	ND	0.0094	ND	0.011	ND	0.011	ND	0.012	ND	0.014	ND	0.0099	ND	0.011

**Table 2.2** - Summary of Soil Analytical Results 34 State Street, Ossining, NY

SAMPLE ID:				EB-01	(2-2.5)	EB-02	(3-3.5)	EB-03	3 (2.5-3)	EB-0	4 (1.5-2)	EB-0	5 (4.5-5)	EB-0	6 (7-7.5)	EB-07	(4-4.5)	EB-08	3 (3.5-4)	EB-09	(4.5-5)	EB-10 (	(4.5-5.0')
LAB ID:				L252	5183-01	L2525	183-02	L252	5183-03	L252	5183-04	L252	5183-05	L252	5183-06	L2525	183-07	L2525	5183-08	L2525	183-09	L2525	5476-01
COLLECTION DATE:				4/23	/2025	4/23	/2025	4/23	3/2025	4/2	3/2025	4/2	3/2025	4/2	3/2025	4/23	/2025	4/23	/2025	4/23	/2025	4/24	/2025
SAMPLE DEPTH (FT):				2.0	)-2.5	3.0	-3.5	2.5	5-3.0	1.	5-2.0	4.	5-5.0	7.	0-7.5	4.0	-4.5	3.5	5-4.0	4.5	5-5.0	4.5	5-5.0
SAMPLE MATRIX:				S	OIL	S	OIL	S	OIL	S	OIL	S	SOIL	S	OIL	S	OIL	S	OIL	S	OIL	S	OIL
	CasNum	<b>NY-RESRR</b>	NY-UNRES	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Vinyl acetate	108-05-4			ND	0.0092	ND	0.013	ND	0.01	ND	0.0094	ND	0.011	ND	0.011	ND	0.012	ND	0.014	ND	0.0099	ND	0.011
4-Methyl-2-pentanone	108-10-1			ND	0.0092	ND	0.013	ND	0.01	ND	0.0094	ND	0.011	ND	0.011	ND	0.012	ND	0.014	ND	0.0099	ND	0.011
1,2,3-Trichloropropane	96-18-4			ND	0.0018	ND	0.0026	ND	0.002	ND	0.0019	ND	0.0022	ND	0.0022	ND	0.0023	ND	0.0027	ND	0.002	ND	0.0022
2-Hexanone	591-78-6			ND	0.0092	ND	0.013	ND	0.01	ND	0.0094	ND	0.011	ND	0.011	ND	0.012	ND	0.014	ND	0.0099	ND	0.011
Bromochloromethane	74-97-5			ND	0.0018	ND	0.0026	ND	0.002	ND	0.0019	ND	0.0022	ND	0.0022	ND	0.0023	ND	0.0027	ND	0.002	ND	0.0022
2,2-Dichloropropane	594-20-7			ND	0.0018	ND	0.0026	ND	0.002	ND	0.0019	ND	0.0022	ND	0.0022	ND	0.0023	ND	0.0027	ND	0.002	ND	0.0022
1,2-Dibromoethane	106-93-4			ND	0.00092	ND	0.0013	ND	0.001	ND	0.00094	ND	0.0011	ND	0.0011	ND	0.0012	ND	0.0014	ND	0.00099	ND	0.0011
1,3-Dichloropropane	142-28-9			ND	0.0018	ND	0.0026	ND	0.002	ND	0.0019	ND	0.0022	ND	0.0022	ND	0.0023	ND	0.0027	ND	0.002	ND	0.0022
1,1,1,2-Tetrachloroethane	630-20-6			ND	0.00046	ND	0.00065	ND	0.0005	ND	0.00047	ND	0.00055	ND	0.00054	ND	0.00058	ND	0.00068	ND	0.00049	ND	0.00054
Bromobenzene	108-86-1			ND	0.0018	ND	0.0026	ND	0.002	ND	0.0019	ND	0.0022	ND	0.0022	ND	0.0023	ND	0.0027	ND	0.002	ND	0.0022
n-Butylbenzene	104-51-8	100	12	ND	0.00092	ND	0.0013	ND	0.001	ND	0.00094	ND	0.0011	ND	0.0011	ND	0.0012	ND	0.0014	ND	0.00099	ND	0.0011
sec-Butylbenzene	135-98-8	100	11	ND	0.00092	ND	0.0013	ND	0.001	ND	0.00094	ND	0.0011	ND	0.0011	ND	0.0012	ND	0.0014	ND	0.00099	ND	0.0011
tert-Butylbenzene	98-06-6	100	5.9	ND	0.0018	ND	0.0026	ND	0.002	ND	0.0019	ND	0.0022	ND	0.0022	ND	0.0023	ND	0.0027	ND	0.002	ND	0.0022
o-Chlorotoluene	95-49-8			ND	0.0018	ND	0.0026	ND	0.002	ND	0.0019	ND	0.0022	ND	0.0022	ND	0.0023	ND	0.0027	ND	0.002	ND	0.0022
p-Chlorotoluene	106-43-4			ND	0.0018	ND	0.0026	ND	0.002	ND	0.0019	ND	0.0022	ND	0.0022	ND	0.0023	ND	0.0027	ND	0.002	ND	0.0022
1,2-Dibromo-3-chloropropane	96-12-8			ND	0.0028	ND	0.0039	ND	0.003	ND	0.0028	ND	0.0033	ND	0.0032	ND	0.0035	ND	0.0041	ND	0.003	ND	0.0033
Hexachlorobutadiene	87-68-3			ND	0.0037	ND	0.0052	ND	0.004	ND	0.0037	ND	0.0044	ND	0.0043	ND	0.0046	ND	0.0054	ND	0.004	ND	0.0044
Isopropylbenzene	98-82-8			ND	0.00092	ND	0.0013	ND	0.001	ND	0.00094	ND	0.0011	ND	0.0011	ND	0.0012	ND	0.0014	ND	0.00099	ND	0.0011
p-Isopropyltoluene	99-87-6			ND	0.00092	ND	0.0013	ND	0.001	ND	0.00094	ND	0.0011	ND	0.0011	ND	0.0012	ND	0.0014	ND	0.00099	ND	0.0011
Naphthalene	91-20-3	100	12	ND	0.0037	ND	0.0052	ND	0.004	ND	0.0037	ND	0.0044	ND	0.0043	ND	0.0046	0.0012J	0.0054	ND	0.004	ND	0.0044
Acrylonitrile	107-13-1			ND	0.0037	ND	0.0052	ND	0.004	ND	0.0037	ND	0.0044	ND	0.0043	ND	0.0046	ND	0.0054	ND	0.004	ND	0.0044
n-Propylbenzene	103-65-1	100	3.9	ND	0.00092	ND	0.0013	ND	0.001	ND	0.00094	ND	0.0011	ND	0.0011	ND	0.0012	ND	0.0014	ND	0.00099	ND	0.0011
1,2,3-Trichlorobenzene	87-61-6			ND	0.0018	ND	0.0026	ND	0.002	ND	0.0019	ND	0.0022	ND	0.0022	ND	0.0023	ND	0.0027	ND	0.002	ND	0.0022
1,2,4-Trichlorobenzene	120-82-1			ND	0.0018	ND	0.0026	ND	0.002	ND	0.0019	ND	0.0022	ND	0.0022	ND	0.0023	ND	0.0027	ND	0.002	ND	0.0022
1,3,5-Trimethylbenzene	108-67-8	52	8.4	ND	0.0018	ND	0.0026	ND	0.002	ND	0.0019	ND	0.0022	ND	0.0022	ND	0.0023	ND	0.0027	ND	0.002	ND	0.0022
1,2,4-Trimethylbenzene	95-63-6	52	3.6	ND	0.0018	ND	0.0026	ND	0.002	ND	0.0019	ND	0.0022	ND	0.0022	ND	0.0023	ND	0.0027	ND	0.002	ND	0.0022
1,4-Dioxane	123-91-1	13	0.1	ND	0.074	ND	0.1	ND	0.08	ND	0.075	ND	0.088	ND	0.086	ND	0.092	ND	0.11	ND	0.079	ND	0.087
p-Diethylbenzene	105-05-5			ND	0.0018	ND	0.0026	ND	0.002	ND	0.0019	ND	0.0022	ND	0.0022	ND	0.0023	ND	0.0027	ND	0.002	ND	0.0022
p-Ethyltoluene	622-96-8			ND	0.0018	ND	0.0026	ND	0.002	ND	0.0019	ND	0.0022	ND	0.0022	ND	0.0023	ND	0.0027	ND	0.002	ND	0.0022
1,2,4,5-Tetramethylbenzene	95-93-2			ND	0.0018	ND	0.0026	ND	0.002	ND	0.0019	ND	0.0022	ND	0.0022	ND	0.0023	ND	0.0027	ND	0.002	ND	0.0022
Ethyl ether	60-29-7			ND	0.0018	ND	0.0026	ND	0.002	ND	0.0019	ND	0.0022	ND	0.0022	ND	0.0023	ND	0.0027	ND	0.002	ND	0.0022
trans-1,4-Dichloro-2-butene	110-57-6			ND	0.0046	ND	0.0065	ND	0.005	ND	0.0047	ND	0.0055	ND	0.0054	ND	0.0058	ND	0.0068	ND	0.0049	ND	0.0054

York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective Exceedance of NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06) >=

Exceedance of NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06) >=

ND = Not Detected
J = Estimated

**Table 2.2** - Summary of Soil Analytical Results 34 State Street, Ossining, NY

[aa. = .a					/a = = an		// = = =n		(0.7.0.0)		»		- (1	==			// <b></b> - 0				(2.5.2.2)
SAMPLE ID:					(6.5-7.0')		(4.5-5.0')		(2.5-3.0')	•	2.5-3.0')		5 (4.5-5.0')	EB-16 (0		<u> </u>	(4.5-5.0')	EB-18 (4			(2.5-3.0')
LAB ID: COLLECTION DATE:					5476-02 4/2025		5476-03 4/2025		4/2025		476-05	1	25476-06	L25254			5476-08 4/2025	L25254			5476-10 1/2025
SAMPLE DEPTH (FT):					4/2025 5-7.0		5-5.0		5-3.0		/ <u>2025</u> -3.0		.5-5.0	4/24/2 0.5-			4/2025 5-5.0	4/24/			/2025 5-3.0
SAMPLE MATRIX:					5-7.0 SOIL		5-5.0 SOIL		SOIL	2.3 S0			SOIL	SO			5-5.0 SOIL	\$C			OIL
OAIII EE IIIATKIA.	CasNum	NY-RESRR	NY-UNRES	Results	RL	Results	RL	Results	-	Results	RL	Results		Results	RL	Results		Results	RL	Results	RL
General Chemistry																					
Solids, Total (%)	NONE			87.8	0.1	82.2	0.1	75.2	0.1	82.8	0.1	67.6	0.1	80.1	0.1	83.2	0.1	81.3	0.1	89.6	0.1
Cyanide, Total (mg/kg)	57-12-5	27	27	ND	1.1	ND	1.1	ND	1.3	ND	1.1	ND	1.4	ND	1.2	ND	1.1	ND	1.2	ND	1.1
Pesticides (mg/kg)																					
Delta-BHC	319-86-8	100	0.04	ND	0.00176	ND	0.00183	ND	0.0021	ND	0.00192	ND	0.00231	ND	0.00191	ND	0.00188	ND	0.00191	ND	0.00177
Lindane	58-89-9	1.3	0.1	ND	0.000732	ND	0.000764	ND	0.000874	ND	0.000799	ND	0.000962	ND	0.000795	ND	0.000781	ND	0.000796	ND	0.000739
Alpha-BHC	319-84-6	0.48	0.02	ND	0.000732	ND	0.000764	ND	0.000874	ND	0.000799	ND	0.000962	ND	0.000795	ND	0.000781	ND	0.000796	ND	0.000739
Beta-BHC	319-85-7	0.36	0.036	ND	0.00176	ND	0.00183	ND	0.0021	ND	0.00192	ND	0.00231	ND	0.00191	ND	0.00188	ND	0.00191	ND	0.00177
Heptachlor	76-44-8	2.1	0.042	ND	0.000878	ND	0.000916	ND	0.00105	ND	0.000958	ND	0.00115	ND	0.000954	ND	0.000938	ND	0.000955	ND	0.000887
Aldrin	309-00-2	0.097	0.005	ND	0.00176	ND	0.00183	ND	0.0021	ND	0.00192	ND	0.00231	ND	0.00191	ND	0.00188	ND	0.00191	ND	0.00177
Heptachlor epoxide	1024-57-3	4.4	0.044	ND	0.00329	ND	0.00344	ND	0.00393	ND	0.00359	ND	0.00433	ND	0.00358	ND	0.00352	ND	0.00358	ND	0.00333
Endrin	72-20-8	11	0.014	ND	0.000732	ND	0.000764	ND	0.000874	ND	0.000799	ND	0.000962	ND	0.000795	ND	0.000781	ND	0.000796	ND	0.000739
Endrin aldehyde Endrin ketone	7421-93-4 53494-70-5			ND ND	0.00219	ND ND	0.00229	ND ND	0.00262	ND ND	0.0024	ND ND	0.00288	ND ND	0.00238	ND ND	0.00234	ND ND	0.00239	ND ND	0.00222 0.00177
Dieldrin	60-57-1	0.2	0.005	ND ND	0.00176	ND ND	0.00183	ND ND	0.0021	ND ND	0.00192	ND	0.00231	ND ND	0.00191	ND	0.00188	ND ND	0.00191	ND ND	0.00177
4,4'-DDE	72-55-9	8.9	0.003	ND	0.0011	ND	0.00114	ND	0.00131	0.00198	0.0012	ND ND	0.00144	0.00805	0.00119	0.00152J		ND	0.00119	0.00286	0.00111
4,4'-DDD	72-54-8	13	0.0033	ND	0.00176	ND	0.00183	ND	0.0021	ND	0.00192	ND	0.00231	0.00123JIP	0.00191	ND	0.00188	ND	0.00191	ND	0.00177
4,4'-DDT	50-29-3	7.9	0.0033	ND	0.00176	ND	0.00183	ND	0.0021	ND	0.00192	ND	0.00231	0.00304	0.00191	ND	0.00188	ND	0.00191	0.0088	0.00177
Endosulfan I	959-98-8	24	2.4	ND	0.00176	ND	0.00183	ND	0.0021	ND	0.00192	ND	0.00231	ND	0.00191	ND	0.00188	ND	0.00191	ND	0.00177
Endosulfan II	33213-65-9	24	2.4	ND	0.00176	ND	0.00183	ND	0.0021	ND	0.00192	ND	0.00231	ND	0.00191	ND	0.00188	ND	0.00191	ND	0.00177
Endosulfan sulfate	1031-07-8	24	2.4	ND	0.000732	ND	0.000764	ND	0.000874	ND	0.000799	ND	0.000962	ND	0.000795	ND	0.000781	ND	0.000796	ND	0.000739
Methoxychlor	72-43-5			ND	0.00329	ND	0.00344	ND	0.00393	ND	0.00359	ND	0.00433	ND	0.00358	ND	0.00352	ND	0.00358	ND	0.00333
Toxaphene	8001-35-2			ND	0.0329	ND	0.0344	ND	0.0393	ND	0.0359	ND	0.0433	ND	0.0358	ND	0.0352	ND	0.0358	ND	0.0333
cis-Chlordane	5103-71-9	4.2	0.094	ND	0.00219	ND	0.00229	ND	0.00262	0.00121J	0.0024	ND	0.00288	0.00108JIP	0.00238	ND	0.00234	0.00108JIP	0.00239	0.00393	0.00222
trans-Chlordane	5103-74-2			ND	0.00219	ND	0.00229	ND	0.00262	0.0024	0.0024	ND	0.00288	0.0018J	0.00238	ND	0.00234	0.00218JIP	0.00239	0.00305	0.00222
Chlordane	57-74-9			ND	0.0146	ND	0.0153	ND	0.0175	ND	0.016	ND	0.0192	ND	0.0159	ND	0.0156	ND	0.0159	ND	0.0148
PCBs (mg/kg)	40074 44 0	4	0.4	ND	0.0505	L	0.0500	L	0.0044	ND	0.0507	ND	0.0747	ND	0.0040	L ND	0.0507	ND	0.0500	NID	0.0500
Aroclor 1016	12674-11-2	1	0.1	ND ND	0.0525	ND	0.0589	ND ND	0.0641	ND ND	0.0597	ND ND	0.0717	ND ND	0.0616	ND	0.0597	ND ND	0.0599	ND ND	0.0536
Aroclor 1221 Aroclor 1232	11104-28-2 11141-16-5	1	0.1 0.1	ND	0.0525	ND ND	0.0589	ND ND	0.0641	ND ND	0.0597	ND ND	0.0717	ND ND	0.0616	ND ND	0.0597 0.0597	ND ND	0.0599	ND ND	0.0536 0.0536
Aroclor 1242	53469-21-9	1	0.1	ND	0.0525	ND ND	0.0589	ND	0.0641	ND ND	0.0597	ND ND	0.0717	ND ND	0.0616	ND ND	0.0597	ND	0.0599	ND ND	0.0536
Aroclor 1248	12672-29-6	1	0.1	ND	0.0525	ND	0.0589	ND	0.0641	ND	0.0597	ND	0.0717	ND	0.0616	ND	0.0597	0.0165J	0.0599	0.0208J	0.0536
Aroclor 1254	11097-69-1	1	0.1	ND	0.0525	ND	0.0589	ND	0.0641	ND	0.0597	ND	0.0717	0.00701J	0.0616	ND	0.0597	0.0234J	0.0599	0.0324J	0.0536
Aroclor 1260	11096-82-5	1	0.1	ND	0.0525	ND	0.0589	ND	0.0641	ND	0.0597	ND	0.0717	ND	0.0616	ND	0.0597	0.0284J	0.0599	ND	0.0536
Aroclor 1262	37324-23-5	1	0.1	ND	0.0525	ND	0.0589	ND	0.0641	ND	0.0597	ND	0.0717	ND	0.0616	ND	0.0597	ND	0.0599	ND	0.0536
Aroclor 1268	11100-14-4	1	0.1	ND	0.0525	ND	0.0589	ND	0.0641	ND	0.0597	ND	0.0717	ND	0.0616	ND	0.0597	ND	0.0599	ND	0.0536
PCBs, Total	1336-36-3	1	0.1	ND	0.0525	ND	0.0589	ND	0.0641	ND	0.0597	ND	0.0717	0.00701J	0.0616	ND	0.0597	0.0683J	0.0599	0.0532J	0.0536
SVOCs (mg/kg)																					
Acenaphthene	83-32-9	100	20	ND	0.15	ND	0.16	0.029J	0.18	ND	0.16	ND	0.2	ND	0.17	ND	0.16	0.17	0.16	ND	1.4
1,2,4-Trichlorobenzene	120-82-1			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8
Hexachlorobenzene	118-74-1	1.2	0.33	ND	0.11	ND	0.12	ND	0.13	ND	0.12	ND	0.15	ND	0.12	ND	0.12	ND	0.12	ND	1.1
Bis(2-chloroethyl)ether	111-44-4			ND	0.17	ND	0.18	ND	0.2	ND	0.18	ND	0.22	ND	0.19	ND	0.18	ND	0.18	ND	1.6
2-Chloronaphthalene	91-58-7	100	4.4	ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8
1,2-Dichlorobenzene 1,3-Dichlorobenzene	95-50-1 541-73-1	100 49	1.1 2.4	ND ND	0.19	ND ND	0.2	ND ND	0.22	ND ND	0.2	ND ND	0.25 0.25	ND ND	0.21	ND ND	0.19 0.19	ND ND	0.2	ND ND	1.8 1.8
1,3-Dichlorobenzene	106-46-7	13	1.8	ND ND	0.19	ND ND	0.2	ND ND	0.22	ND ND	0.2	ND	0.25	ND ND	0.21	ND ND	0.19	ND ND	0.2	ND ND	1.8
3,3'-Dichlorobenzidine	91-94-1	10	1.0	ND	0.19	ND	0.2	ND	0.22	ND ND	0.2	ND ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND ND	1.8
2,4-Dinitrotoluene	121-14-2			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8
2,6-Dinitrotoluene	606-20-2			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8
Fluoranthene	206-44-0	100	100	ND	0.11	ND	0.12	ND	0.13	0.032J	0.12	ND	0.15	0.078J	0.12	ND	0.12	3.2	0.12	0.79J	1.1
4-Chlorophenyl phenyl ether	7005-72-3			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8
4-Bromophenyl phenyl ether	101-55-3			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8
Bis(2-chloroisopropyl)ether	108-60-1			ND	0.22	ND	0.24	ND	0.26	ND	0.24	ND	0.3	ND	0.25	ND	0.23	ND	0.24	ND	2.2
Bis(2-chloroethoxy)methane	111-91-1			ND	0.2	ND	0.22	ND	0.24	ND	0.22	ND	0.27	ND	0.22	ND	0.21	ND	0.22	ND	2
Hexachlorobutadiene	87-68-3			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8
Hexachlorocyclopentadiene	77-47-4			ND	0.54	ND	0.58	ND	0.63	ND	0.57	ND	0.7	ND	0.59	ND	0.56	ND	0.58	ND	5.2
Hexachloroethane	67-72-1			ND	0.15	ND	0.16	ND	0.18	ND	0.16	ND	0.2	ND	0.17	ND	0.16	ND	0.16	ND	1.4
Isophorone	78-59-1	10-		ND	0.17	ND	0.18	ND	0.2	ND	0.18	ND	0.22	ND	0.19	ND	0.18	ND 0.50	0.18	ND	1.6
Naphthalene	91-20-3	100	12	ND	0.19	ND	0.2	0.029J	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	0.52	0.2	ND	1.8

**Table 2.2** - Summary of Soil Analytical Results 34 State Street, Ossining, NY

Texture - 1-									(0.5.0.0l)		(0. F. 0. 01)	ED 45 (4.5.5.01)		ED 46 (0 5 4 0!)		ED 17 (4 5 5 0')		ED 40 (	4.5.5.01)	EB-19 (2.5-3.0')		
SAMPLE ID: LAB ID:					EB-11 (6.5-7.0') L2525476-02		EB-12 (4.5-5.0') L2525476-03		EB-13 (2.5-3.0') L2525476-04		EB-14 (2.5-3.0') L2525476-05		EB-15 (4.5-5.0') L2525476-06		EB-16 (0.5-1.0') L2525476-07		EB-17 (4.5-5.0') L2525476-08		EB-18 (4.5-5.0') L2525476-09		(2.5-3.0 <sup>-</sup> ) 6476-10	
COLLECTION DATE:					4/24/2025		4/24/2025		4/24/2025		4/24/2025		4/24/2025		4/24/2025		4/24/2025		4/24/2025		/2025	
	SAMPLE DEPTH (FT):					4.5-5.0		2.5-3.0			-3.0	4.5-5.0		0.5-1.0		4.5-5.0		4.5-5.0		2.5-3.0		
SAMPLE MATRIX:				6.5-7.0 SOIL		SOIL		SOIL			OIL	SOIL		SOIL		SOIL		SOIL		SOIL		
	CasNum NY-RESRR NY-UNRE		NY-UNRES			Results	RL	Results RL		Results RL		Results	RL	Results	RL	Results	RL	Results RL		Results RL		
Nitrobenzene	98-95-3			ND	0.17	ND	0.18	ND	0.2	ND	0.18	ND	0.22	ND	0.19	ND	0.18	ND	0.18	ND	1.6	
NDPA/DPA	86-30-6			ND	0.15	ND	0.16	ND	0.18	ND	0.16	ND	0.2	ND	0.17	ND	0.16	ND	0.16	ND	1.4	
n-Nitrosodi-n-propylamine	621-64-7			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8	
Bis(2-ethylhexyl)phthalate	117-81-7			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8	
Butyl benzyl phthalate	85-68-7			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8	
Di-n-butylphthalate	84-74-2			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8	
Di-n-octylphthalate	117-84-0			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8	
Diethyl phthalate	84-66-2			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8	
Dimethyl phthalate	131-11-3			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8	
Benzo(a)anthracene	56-55-3	1	1	ND	0.11	ND	0.12	ND	0.13	ND	0.12	ND	0.15	0.052J	0.12	ND	0.12	1.2	0.12	0.51J	1.1	
Benzo(a)pyrene	50-32-8	1	1	ND	0.15	ND	0.16	ND	0.18	ND	0.16	ND	0.2	0.062J	0.17	ND	0.16	1.2	0.16	0.51J	1.4	
Benzo(b)fluoranthene	205-99-2	1	1	ND	0.11	ND	0.12	ND	0.13	ND	0.12	ND	0.15	0.076J	0.12	ND	0.12	1.6	0.12	0.59J	1.1	
Benzo(k)fluoranthene	207-08-9 218-01-9	3.9 3.9	0.8	ND ND	0.11	ND ND	0.12	ND ND	0.13	ND 0.024J	0.12	ND ND	0.15 0.15	ND 0.056J	0.12	ND ND	0.12	0.48 1.2	0.12	ND 0.48J	1.1 1.1	
Chrysene Acenaphthylene	208-96-8	100	100	ND ND	0.11	ND ND	0.12	ND ND	0.13	0.024J ND	0.12	ND ND	0.15	0.056J ND	0.12	ND ND	0.12	0.1J	0.12	0.48J ND	1.1	
Anthracene	120-12-7	100	100	ND ND	0.15	ND ND	0.16	ND	0.18	ND ND	0.16	ND ND	0.2	ND ND	0.17	ND ND	0.16	0.13	0.16	ND	1.4	
Benzo(ghi)perylene	191-24-2	100	100	ND ND	0.11	ND	0.12	ND	0.13	ND	0.12	ND ND	0.13	0.05J	0.12	ND ND	0.12	0.42	0.12	0.36J	1.4	
Fluorene	86-73-7	100	30	ND ND	0.19	ND	0.10	0.03J	0.10	ND	0.10	ND	0.25	ND	0.17	ND ND	0.10	0.91	0.10	ND	1.8	
Phenanthrene	85-01-8	100	100	ND	0.11	ND	0.12	ND	0.13	ND	0.12	ND	0.15	0.029J	0.12	ND	0.12	2.3	0.12	0.39J	1.1	
Dibenzo(a,h)anthracene	53-70-3	0.33	0.33	ND	0.11	ND	0.12	ND	0.13	ND	0.12	ND	0.15	ND	0.12	ND	0.12	0.19	0.12	ND	1.1	
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	ND	0.15	ND	0.16	ND	0.18	ND	0.16	ND	0.2	0.04J	0.17	ND	0.16	0.64	0.16	0.28J	1.4	
Pyrene	129-00-0	100	100	ND	0.11	ND	0.12	ND	0.13	0.028J	0.12	ND	0.15	0.069J	0.12	ND	0.12	2.6	0.12	0.75J	1.1	
Biphenyl	92-52-4			ND	0.43	ND	0.46	ND	0.5	ND	0.46	ND	0.56	ND	0.47	ND	0.44	0.033J	0.46	ND	4.1	
4-Chloroaniline	106-47-8			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8	
2-Nitroaniline	88-74-4			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8	
3-Nitroaniline	99-09-2			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8	
4-Nitroaniline	100-01-6			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8	
Dibenzofuran	132-64-9	59	7	ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	0.2	0.2	ND	1.8	
2-Methylnaphthalene	91-57-6			ND	0.22	ND	0.24	0.038J	0.26	ND	0.24	ND	0.3	ND	0.25	ND	0.23	0.12J	0.24	ND	2.2	
1,2,4,5-Tetrachlorobenzene	95-94-3			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8	
Acetophenone	98-86-2			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8	
2,4,6-Trichlorophenol p-Chloro-m-cresol	88-06-2 59-50-7			ND ND	0.11	ND ND	0.12	ND ND	0.13	ND ND	0.12	ND ND	0.15 0.25	ND ND	0.12	ND ND	0.12 0.19	ND ND	0.12	ND ND	1.1 1.8	
2-Chlorophenol	95-57-8			ND ND	0.19	ND ND	0.2	ND	0.22	ND ND	0.2	ND ND	0.25	ND ND	0.21	ND ND	0.19	ND ND	0.2	ND	1.8	
2,4-Dichlorophenol	120-83-2			ND	0.17	ND	0.18	ND	0.2	ND	0.18	ND	0.22	ND	0.19	ND ND	0.13	ND	0.18	ND	1.6	
2,4-Dimethylphenol	105-67-9			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.13	ND	0.19	ND	0.2	ND	1.8	
2-Nitrophenol	88-75-5			ND	0.41	ND	0.43	ND	0.48	ND	0.43	ND	0.53	ND	0.45	ND	0.42	ND	0.44	ND	3.9	
4-Nitrophenol	100-02-7			ND	0.26	ND	0.28	ND	0.31	ND	0.28	ND	0.34	ND	0.29	ND	0.27	ND	0.28	ND	2.5	
2,4-Dinitrophenol	51-28-5			ND	0.9	ND	0.97	ND	1	ND	0.96	ND	1.2	ND	1	ND	0.93	ND	0.98	ND	8.7	
4,6-Dinitro-o-cresol	534-52-1	<u></u>		ND	0.49	ND	0.52	ND	0.57	ND	0.52	ND	0.64	ND	0.54	ND	0.5	ND	0.53	ND	4.7	
Pentachlorophenol	87-86-5	6.7	0.8	ND	0.15	ND	0.16	ND	0.18	ND	0.16	ND	0.2	ND	0.17	ND	0.16	ND	0.16	ND	1.4	
Phenol	108-95-2	100	0.33	ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8	
2-Methylphenol	95-48-7	100	0.33	ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8	
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	100	0.33	ND	0.27	ND	0.29	ND	0.32	ND	0.29	ND	0.35	ND	0.3	ND	0.28	ND	0.29	ND	2.6	
2,4,5-Trichlorophenol	95-95-4			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8	
Benzoic Acid	65-85-0			ND	0.61	ND	0.65	ND	0.72	ND	0.65	ND	0.8	ND	0.67	ND	0.63	ND	0.66	ND	5.9	
Benzyl Alcohol	100-51-6			ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	ND	0.2	ND	1.8	
Carbazole	86-74-8	40	0.1	ND ND	0.19	ND	0.2	ND	0.22	ND	0.2	ND	0.25	ND	0.21	ND	0.19	0.36	0.2	ND	1.8	
1,4-Dioxane	123-91-1	13	0.1	ND	0.028	ND	0.03	ND	0.033	ND	0.03	ND	0.037	ND	0.031	ND	0.029	ND	0.03	ND	0.27	
Metals (mg/kg)	7429-90-5	<del> </del>		11600	9.50	14100	9.67	11300	10 E	20000	9.46	27900	11 1	7120	0.60	14200	0.25	6720	0.22	8360	0.75	
Aluminum, Total	7429-90-5 7440-36-0			11600 ND	8.59 4.29	14100 ND	4.84	11300 ND	10.5 5.26	29900 ND	4.73	37800 ND	11.4 5.72	7120 ND	9.69 4.85	14200 ND	9.35 4.67	6720 ND	9.32 4.66	8360 ND	8.75 4.37	
Antimony, Total  Arsenic, Total	7440-36-0	16	13	4.42	0.859	5.47	0.967	4.42	1.05	6.41	0.946	4.08	1.14	2.87	0.969	4.08	0.935	3.5	0.932	4.36	0.875	
Barium, Total	7440-38-2	400	350	51.4	0.859	45.3	0.967	38.7	1.05	53.1	0.946	4.08	1.14	60	0.969	71.3	0.935	54.3	0.932	80.4	0.875	
Beryllium, Total	7440-39-3	72	7.2	0.417J	0.429	0.484	0.484	0.433J	0.526	2.43	0.940	0.895	0.572	0.262J	0.485	0.759	0.933	0.261J	0.932	0.326J	0.437	
Cadmium, Total	7440-43-9	4.3	2.5	0.4173 0.204J	0.429	0.464 0.192J	0.967	0.4333 0.21J	1.05	0.43J	0.475	0.74J	1.14	0.2023 0.094J	0.969	0.739 0.186J	0.935	0.122J	0.932	0.320J	0.437	
Calcium, Total	7440-70-2	1.5		1350	8.59	835	9.67	595	10.5	2730	9.46	10400	11.4	15500	9.69	583	9.35	12100	9.32	30000	8.75	
Chromium, Total	7440-47-3	<u> </u>		13.7	0.859	15.6	0.967	14	1.05	31.9	0.946	32	1.14	17.6	0.969	15.2	0.935	15.7	0.932	20	0.875	
Cobalt, Total	7440-48-4			7.46	1.72	8.48	1.93	7.48	2.1	10.2	1.89	8.42	2.29	5.53	1.94	7.37	1.87	4.75	1.86	8.18	1.75	
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**Table 2.2** - Summary of Soil Analytical Results 34 State Street, Ossining, NY

SAMPLE ID:	MDI E ID:					EB-11 (6.5-7.0') EB-12 (4.5-5.0')				EB-14 (2.5-3.0')		EB-15 (4.5-5.0')		FR-16 (	0 5-1 0')	EB-17 (4.5-5.0')		FR-18 (	4.5-5.0')	EB-19 (2.5-3.0')		
LAB ID:					L2525476-02		L2525476-03		EB-13 (2.5-3.0') L2525476-04		L2525476-05		L2525476-06		EB-16 (0.5-1.0') L2525476-07		L2525476-08		L2525476-09		6476-10	
COLLECTION DATE:					/2025	4/24/2025		4/24/2025		4/24/2025		4/24/2025		4/24/2025		4/24/2025		4/24/2025		4/24/2025		
SAMPLE DEPTH (FT):					6.5-7.0		4.5-5.0		2.5-3.0		5-3.0	4.5-5.0		0.5-1.0		4.5-5.0		4.5-5.0		2.5-3.0		
SAMPLE MATRIX:				S	OIL	sc	OIL	S	OIL	S	OIL	S	OIL	sc	IL	S	OIL	sc	OIL	S	OIL	
	CasNum	NY-RESRR	NY-UNRES	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	
Copper, Total	7440-50-8	270	50	16.9	0.859	22	0.967	17.9	1.05	27	0.946	126	1.14	19.4	0.969	14.2	0.935	16.7	0.932	36.6	0.875	
Iron, Total	7439-89-6			17500	4.29	21500	4.84	18200	5.26	27600	4.73	34900	5.72	11100	4.85	17600	4.67	10200	4.66	14300	4.37	
Lead, Total	7439-92-1	400	63	18.5	4.29	42.6	4.84	12.5	5.26	74.5	4.73	7.93	5.72	29.7	4.85	39.4	4.67	38.9	4.66	89.4	4.37	
Magnesium, Total	7439-95-4			4380	8.59	4860	9.67	4100	10.5	39200	9.46	91200	22.9	12200	9.69	6730	9.35	10300	9.32	17500	8.75	
Manganese, Total	7439-96-5	2000	1600	419	0.859	412	0.967	392	1.05	853	0.946	881	1.14	278	0.969	718	0.935	236	0.932	283	0.875	
Mercury, Total	7439-97-6	0.81	0.18	ND	0.083	ND	0.082	ND	0.086	0.069J	0.084	ND	0.099	0.074J	0.08	0.114	0.08	0.07J	0.081	0.324	0.075	
Nickel, Total	7440-02-0	310	30	13.4	2.15	16.6	2.42	13.8	2.63	20	2.37	18.8	2.86	14.4	2.42	13.8	2.34	11.8	2.33	24.9	2.19	
Potassium, Total	7440-09-7			536	215	856	242	602	263	621	237	548	286	1640	242	537	234	1320	233	2660	219	
Selenium, Total	7782-49-2	180	3.9	ND	1.72	ND	1.93	ND	2.1	ND	1.89	ND	2.29	ND	1.94	ND	1.87	ND	1.86	ND	1.75	
Silver, Total	7440-22-4	180	2	0.276J	0.429	ND	0.484	ND	0.526	0.5	0.473	0.524J	0.572	ND	0.485	0.371J	0.467	0.289J	0.466	0.283J	0.437	
Sodium, Total	7440-23-5			ND	172	ND	193	ND	210	ND	189	ND	229	ND	194	ND	187	ND	186	ND	175	
Thallium, Total	7440-28-0			ND 10.7	1.72	ND 24.0	1.93	ND 20.4	2.1	ND 52.7	1.89	1.28J	2.29	ND 20.4	1.94	ND	1.87	ND 10.0	1.86	ND 25.4	1.75	
Vanadium, Total	7440-62-2	10000	100	19.7 43.8	0.859	24.9 42.7	0.967 4.84	20.4	1.05 5.26	53.7	0.946	70.6	1.14 5.72	20.4	0.969 4.85	22.7 57.2	0.935 4.67	18.8 44	0.932 4.66	25.4 77.1	0.875	
Zinc, Total VOCs (mg/kg)	7440-66-6	10000	109	43.8	4.29	42./	4.04	41.3	ე.∠ზ	86.3	4.73	131	3.12	41.5	4.00	31.2	4.07	44	4.00	11.1	4.37	
Methylene chloride	75-09-2	100	0.05	ND	0.0051	ND	0.0054	ND	0.0062	ND	0.0059	ND	0.0089	ND	0.0062	ND	0.0068	ND	0.0041	ND	0.0059	
1,1-Dichloroethane	75-09-2 75-34-3	26	0.05	ND ND	0.0051	ND ND	0.0054	ND ND	0.0062	ND	0.0059	ND	0.0089	ND ND	0.0062	ND ND	0.0068	ND ND	0.0041	ND ND	0.0059	
Chloroform	67-66-3	49	0.27	ND ND	0.001	ND ND	0.0011	ND ND	0.0012	ND	0.0012	ND	0.0018	ND ND	0.0012	ND ND	0.0014	ND ND	0.00082	ND ND	0.0012	
Carbon tetrachloride	56-23-5	2.4	0.76	ND	0.001	ND	0.0011	ND	0.0010	ND	0.0012	ND	0.0027	ND	0.0013	ND	0.0014	ND	0.00082	ND	0.0012	
1,2-Dichloropropane	78-87-5		56	ND	0.001	ND	0.0011	ND	0.0012	ND	0.0012	ND	0.0018	ND	0.0012	ND	0.0014	ND	0.00082	ND	0.0012	
Dibromochloromethane	124-48-1			ND	0.001	ND	0.0011	ND	0.0012	ND	0.0012	ND	0.0018	ND	0.0012	ND	0.0014	ND	0.00082	ND	0.0012	
1,1,2-Trichloroethane	79-00-5			ND	0.001	ND	0.0011	ND	0.0012	ND	0.0012	ND	0.0018	ND	0.0012	ND	0.0014	ND	0.00082	ND	0.0012	
Tetrachloroethene	127-18-4	19	1.3	ND	0.00051	ND	0.00054	ND	0.00062	ND	0.00059	ND	0.00089	ND	0.00062	ND	0.00068	ND	0.00041	ND	0.00059	
Chlorobenzene	108-90-7	100	1.1	ND	0.00051	ND	0.00054	ND	0.00062	ND	0.00059	ND	0.00089	ND	0.00062	ND	0.00068	ND	0.00041	ND	0.00059	
Trichlorofluoromethane	75-69-4			ND	0.0041	ND	0.0043	ND	0.0049	ND	0.0047	ND	0.0071	ND	0.005	ND	0.0054	ND	0.0033	ND	0.0047	
1,2-Dichloroethane	107-06-2	3.1	0.02	ND	0.001	ND	0.0011	ND	0.0012	ND	0.0012	ND	0.0018	ND	0.0012	ND	0.0014	ND	0.00082	ND	0.0012	
1,1,1-Trichloroethane	71-55-6	100	0.68	ND	0.00051	ND	0.00054	ND	0.00062	ND	0.00059	ND	0.00089	ND	0.00062	ND	0.00068	ND	0.00041	ND	0.00059	
Bromodichloromethane	75-27-4			ND	0.00051	ND	0.00054	ND	0.00062	ND	0.00059	ND	0.00089	ND	0.00062	ND	0.00068	ND	0.00041	ND	0.00059	
trans-1,3-Dichloropropene	10061-02-6			ND	0.001	ND	0.0011	ND	0.0012	ND	0.0012	ND	0.0018	ND	0.0012	ND	0.0014	ND	0.00082	ND	0.0012	
cis-1,3-Dichloropropene	10061-01-5			ND	0.00051	ND	0.00054	ND	0.00062	ND	0.00059	ND	0.00089	ND	0.00062	ND	0.00068	ND	0.00041	ND	0.00059	
1,3-Dichloropropene, Total	542-75-6			ND	0.00051	ND	0.00054	ND	0.00062	ND	0.00059	ND	0.00089	ND	0.00062	ND	0.00068	ND	0.00041	ND	0.00059	
1,1-Dichloropropene	563-58-6			ND	0.00051	ND	0.00054	ND	0.00062	ND	0.00059	ND	0.00089	ND	0.00062	ND	0.00068	ND	0.00041	ND	0.00059	
Bromoform	75-25-2			ND	0.0041	ND	0.0043	ND	0.0049	ND	0.0047	ND	0.0071	ND	0.005	ND	0.0054	ND	0.0033	ND	0.0047	
1,1,2,2-Tetrachloroethane	79-34-5	4.0	0.00	ND	0.00051	ND	0.00054	ND	0.00062	ND	0.00059	ND	0.00089	ND	0.00062	ND	0.00068	ND	0.00041	ND	0.00059	
Benzene	71-43-2	4.8	0.06	ND	0.00051	ND	0.00054	ND	0.00062	ND	0.00059	ND	0.00089	ND	0.00062	ND	0.00068	ND	0.00041	ND	0.00059	
Toluene	108-88-3	100	0.7	ND	0.001	ND	0.0011	ND	0.0012	ND	0.0012	ND	0.0018	ND	0.0012	ND ND	0.0014	ND	0.00082	ND	0.0012	
Ethylbenzene	100-41-4	41	1	ND ND	0.001	ND	0.0011	ND ND	0.0012	ND ND	0.0012	ND ND	0.0018	ND ND	0.0012	ND ND	0.0014	0.00043J ND	0.00082	ND ND	0.0012	
Chloromethane Bromomethane	74-87-3 74-83-9			ND ND	0.0041	ND 0.0019J	0.0043	ND ND	0.0049	ND ND	0.0047	ND	0.0071	ND ND	0.005 0.0025	ND ND	0.0054	ND ND	0.0033	ND ND	0.0047	
Vinyl chloride	75-01-4	0.9	0.02	ND ND	0.002	0.00193 ND	0.0021	ND ND	0.0025	ND ND	0.0023	ND	0.0036	ND ND	0.0025	ND ND	0.0027	ND ND	0.0018	ND ND	0.0024	
Chloroethane	75-00-3	0.3	0.02	ND ND	0.001	ND ND	0.0011	ND ND	0.0012	ND	0.0012	ND	0.0016	ND ND	0.0012	ND ND	0.0014	ND ND	0.00082	ND ND	0.0012	
1,1-Dichloroethene	75-35-4	100	0.33	ND ND	0.002	ND ND	0.0021	ND ND	0.0023	ND	0.0023	ND	0.0038	ND ND	0.0023	ND ND	0.0027	ND ND	0.0010	ND ND	0.0024	
trans-1,2-Dichloroethene	156-60-5	100	0.19	ND	0.0015	ND	0.0011	ND	0.0012	ND	0.0012	ND	0.0010	ND ND	0.0012	ND	0.0014	ND	0.0002	ND	0.0012	
Trichloroethene	79-01-6	21	0.47	ND	0.00051	ND	0.00054	ND	0.00062	ND	0.00059	ND	0.00027	ND	0.00062	ND	0.00068	ND	0.00041	ND	0.00059	
1,2-Dichlorobenzene	95-50-1	100	1.1	ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	ND	0.0016	ND	0.0024	
1,3-Dichlorobenzene	541-73-1	49	2.4	ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	ND	0.0016	ND	0.0024	
1,4-Dichlorobenzene	106-46-7	13	1.8	ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	ND	0.0016	ND	0.0024	
Methyl tert butyl ether	1634-04-4	100	0.93	ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	ND	0.0016	ND	0.0024	
p/m-Xylene	179601-23-1			ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	0.00046J	0.0016	ND	0.0024	
o-Xylene	95-47-6			ND	0.001	ND	0.0011	ND	0.0012	ND	0.0012	ND	0.0018	ND	0.0012	ND	0.0014	0.0017	0.00082	ND	0.0012	
Xylenes, Total	1330-20-7	100	0.26	ND	0.001	ND	0.0011	ND	0.0012	ND	0.0012	ND	0.0018	ND	0.0012	ND	0.0014	0.0022J	0.00082	ND	0.0012	
cis-1,2-Dichloroethene	156-59-2	100	0.25	ND	0.001	ND	0.0011	ND	0.0012	ND	0.0012	ND	0.0018	ND	0.0012	ND	0.0014	ND	0.00082	ND	0.0012	
1,2-Dichloroethene, Total	540-59-0			ND	0.001	ND	0.0011	ND	0.0012	ND	0.0012	ND	0.0018	ND	0.0012	ND	0.0014	ND	0.00082	ND	0.0012	
Dibromomethane	74-95-3			ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	ND	0.0016	ND	0.0024	
Styrene	100-42-5			ND	0.001	ND	0.0011	ND	0.0012	ND	0.0012	ND	0.0018	ND	0.0012	ND	0.0014	ND	0.00082	ND	0.0012	
Dichlorodifluoromethane	75-71-8			ND	0.01	ND	0.011	ND	0.012	ND	0.012	ND	0.018	ND	0.012	ND	0.014	ND	0.0082	ND	0.012	
Acetone	67-64-1	100	0.05	ND	0.01	0.058	0.011	ND	0.012	ND	0.012	ND	0.018	ND	0.012	ND	0.014	ND	0.0082	ND	0.012	
Carbon disulfide	75-15-0			ND	0.01	ND	0.011	ND	0.012	ND	0.012	ND	0.018	ND	0.012	ND	0.014	ND	0.0082	ND	0.012	
2-Butanone	78-93-3	100	0.12	ND	0.01	ND	0.011	ND	0.012	ND	0.012	ND	0.018	ND	0.012	ND	0.014	ND	0.0082	ND	0.012	

**Table 2.2** - Summary of Soil Analytical Results 34 State Street, Ossining, NY

SAMPLE ID:					(6.5-7.0')	EB-12 (4.5-5.0')		EB-13 (2.5-3.0')		EB-14 (2.5-3.0')		EB-15 (4.5-5.0')		EB-16	EB-16 (0.5-1.0')		EB-17 (4.5-5.0')		EB-18 (4.5-5.0')		(2.5-3.0')
LAB ID:					L2525476-02		L2525476-03		L2525476-04		L2525476-05		L2525476-06		L2525476-07		L2525476-08		L2525476-09		476-10
COLLECTION DATE:	COLLECTION DATE:					4/24/2025		4/24/2025		4/24/2025		4/24/2025		4/24/2025		4/24/2025		4/24/2025		4/24/	/2025
SAMPLE DEPTH (FT):					6.5-7.0		4.5-5.0		2.5-3.0		2.5-3.0		4.5-5.0		5-1.0	4.5-5.0		4.5-5.0		2.5-3.0	
SAMPLE MATRIX:					SOIL		SOIL		SOIL		SOIL		OIL	S	OIL	s	OIL	SOIL		SC	OIL
	CasNum	NY-RESRR	NY-UNRES	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Vinyl acetate	108-05-4			ND	0.01	ND	0.011	ND	0.012	ND	0.012	ND	0.018	ND	0.012	ND	0.014	ND	0.0082	ND	0.012
4-Methyl-2-pentanone	108-10-1			ND	0.01	ND	0.011	ND	0.012	ND	0.012	ND	0.018	ND	0.012	ND	0.014	ND	0.0082	ND	0.012
1,2,3-Trichloropropane	96-18-4			ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	ND	0.0016	ND	0.0024
2-Hexanone	591-78-6			ND	0.01	ND	0.011	ND	0.012	ND	0.012	ND	0.018	ND	0.012	ND	0.014	ND	0.0082	ND	0.012
Bromochloromethane	74-97-5			ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	ND	0.0016	ND	0.0024
2,2-Dichloropropane	594-20-7			ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	ND	0.0016	ND	0.0024
1,2-Dibromoethane	106-93-4			ND	0.001	ND	0.0011	ND	0.0012	ND	0.0012	ND	0.0018	ND	0.0012	ND	0.0014	ND	0.00082	ND	0.0012
1,3-Dichloropropane	142-28-9			ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	ND	0.0016	ND	0.0024
1,1,1,2-Tetrachloroethane	630-20-6			ND	0.00051	ND	0.00054	ND	0.00062	ND	0.00059	ND	0.00089	ND	0.00062	ND	0.00068	ND	0.00041	ND	0.00059
Bromobenzene	108-86-1			ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	ND	0.0016	ND	0.0024
n-Butylbenzene	104-51-8	100	12	ND	0.001	ND	0.0011	ND	0.0012	ND	0.0012	ND	0.0018	ND	0.0012	ND	0.0014	ND	0.00082	ND	0.0012
sec-Butylbenzene	135-98-8	100	11	ND	0.001	ND	0.0011	ND	0.0012	ND	0.0012	ND	0.0018	ND	0.0012	ND	0.0014	ND	0.00082	ND	0.0012
tert-Butylbenzene	98-06-6	100	5.9	ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	ND	0.0016	ND	0.0024
o-Chlorotoluene	95-49-8			ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	ND	0.0016	ND	0.0024
p-Chlorotoluene	106-43-4			ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	ND	0.0016	ND	0.0024
1,2-Dibromo-3-chloropropane	96-12-8			ND	0.003	ND	0.0032	ND	0.0037	ND	0.0035	ND	0.0054	ND	0.0038	ND	0.0041	ND	0.0025	ND	0.0035
Hexachlorobutadiene	87-68-3			ND	0.0041	ND	0.0043	ND	0.0049	ND	0.0047	ND	0.0071	ND	0.005	ND	0.0054	ND	0.0033	ND	0.0047
Isopropylbenzene	98-82-8			ND	0.001	ND	0.0011	ND	0.0012	ND	0.0012	ND	0.0018	ND	0.0012	ND	0.0014	0.00012J	0.00082	ND	0.0012
p-Isopropyltoluene	99-87-6			ND	0.001	ND	0.0011	ND	0.0012	ND	0.0012	ND	0.0018	ND	0.0012	ND	0.0014	0.00014J	0.00082	ND	0.0012
Naphthalene	91-20-3	100	12	ND	0.0041	ND	0.0043	ND	0.0049	ND	0.0047	ND	0.0071	ND	0.005	ND	0.0054	ND	0.0033	ND	0.0047
Acrylonitrile	107-13-1			ND	0.0041	ND	0.0043	ND	0.0049	ND	0.0047	ND	0.0071	ND	0.005	ND	0.0054	ND	0.0033	ND	0.0047
n-Propylbenzene	103-65-1	100	3.9	ND	0.001	ND	0.0011	ND	0.0012	ND	0.0012	ND	0.0018	ND	0.0012	ND	0.0014	0.0004J	0.00082	ND	0.0012
1,2,3-Trichlorobenzene	87-61-6			ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	ND	0.0016	ND	0.0024
1,2,4-Trichlorobenzene	120-82-1			ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	ND	0.0016	ND	0.0024
1,3,5-Trimethylbenzene	108-67-8	52	8.4	ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	0.0029	0.0016	ND	0.0024
1,2,4-Trimethylbenzene	95-63-6	52	3.6	ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	0.0023	0.0016	ND	0.0024
1,4-Dioxane	123-91-1	13	0.1	ND	0.081	ND	0.086	ND	0.099	ND	0.094	ND	0.14	ND	0.1	ND	0.11	ND	0.066	ND	0.094
p-Diethylbenzene	105-05-5			ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	0.00066J	0.0016	ND	0.0024
p-Ethyltoluene	622-96-8			ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	0.0017	0.0016	ND	0.0024
1,2,4,5-Tetramethylbenzene	95-93-2			ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	ND	0.0016	ND	0.0024
Ethyl ether	60-29-7			ND	0.002	ND	0.0021	ND	0.0025	ND	0.0023	ND	0.0036	ND	0.0025	ND	0.0027	ND	0.0016	ND	0.0024
trans-1,4-Dichloro-2-butene	110-57-6			ND	0.0051	ND	0.0054	ND	0.0062	ND	0.0059	ND	0.0089	ND	0.0062	ND	0.0068	ND	0.0041	ND	0.0059

York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective

Exceedance of NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06) >=

Exceedance of NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06) >=

ND = Not Detected

J = Estimated

LAB ID:													JE5018-1	JE5018-2	JE5018-3	JE5018-4
SAMPLE ID:													SV-1	SV-2	SSSV-1	IA-1
SAMPLE DATE:													1/31/2025	1/31/2025	1/31/2025	1/31/2025
SAMPLE MATRIX:													Soil Vapor	Soil Vapor	Soil Vapor	indoor Air
VOCs (ug/m3)	IAC-A	SSC-A	IAC-B	SSC-B	IAC-C	SSC-C	IAC-D	SSC-D	IAC-E	SSC-E	IAC-F	SSC-F	Conc	Conc	Conc	Conc
Acetone (2-Propanone)	IAC-A	330-A	IAC-D	33C-B	IAC-C	330-0	IAC-D	33C-D	IAC-L	330-L	IAC-I	330-1	285	257	34.2	6.4
1,3-Butadiene													ND	ND	ND	ND
Benzene													4.2	3.8	1	0.86
Bromodichloromethane													ND	ND	ND	ND
Bromoform													ND ND	ND	ND	ND
Bromomethane													ND ND	ND	ND ND	ND
Bromoethene													ND	ND	ND	ND
2-Butanone													NA NA	NA NA	NA NA	NA NA
Benzyl Chloride													ND ND	ND ND	ND ND	ND ND
Carbon disulfide													5.3	3.7	ND ND	ND
Chlorobenzene													ND	ND	ND ND	ND
Chloroethane													ND ND	ND ND	ND ND	ND ND
Chloroform													ND ND	ND ND	ND ND	ND ND
Chloromethane													ND ND			0.89
													ND ND	0.85 ND	0.52 ND	0.89 ND
3-Chloropropene																
2-Chlorotoluene		0.0											ND	ND	ND	ND 0.5
Carbon tetrachloride	6	0.2					- 00	0					ND 0.00	ND	ND	0.5
Cyclohexane							60	2					0.83	2	ND	ND
1,1-Dichloroethane													ND	ND	ND	ND
1,1-Dichloroethylene	6	0.2											ND	ND	ND	ND
1,2-Dibromoethane (EDB)	_												ND	ND	ND	ND
1,2-Dichloroethane	6	0.2											ND	ND	ND	ND
1,2-Dichloropropane													ND	ND	ND	ND
1,4-Dioxane													ND	ND	ND	ND
Dichlorodifluoromethane													1.9	1.9	1.9	2.7
Dibromochloromethane													ND	ND	ND	ND
trans-1,2-Dichloroethylene													ND	ND	ND	ND
cis-1,2-Dichloroethylene													ND	ND	ND	ND
cis-1,3-Dichloropropene													ND	ND	ND	ND
m-Dichlorobenzene													ND	ND	ND	ND
o-Dichlorobenzene													ND	ND	ND	ND
p-Dichlorobenzene													ND	ND	ND	ND
trans-1,3-Dichloropropene													ND	ND	ND	ND
1,3-Dichlorobenzene													NA	NA	NA	NA
1,4-Dichlorobenzene													NA	NA	NA	NA
Ethanol													14	8.1	1.3	4
Ethylbenzene							60	2					13	3.2	3.6	ND
Ethyl Acetate													7.2	ND	1.1	5
4-Ethyltoluene													5.9	0.98	3.4	ND
Freon 113													ND	ND	ND	ND
Freon 114													ND	ND	ND	ND
Heptane									200	6			3.5	13	0.74 J	ND
Hexachlorobutadiene													ND	ND	ND	ND
Hexane									200	6			3.5	48.6	1.7	1.1
2-Hexanone													2.5	ND	ND	ND
Isopropyl Alcohol													2.3	3.4	0.37 J	2.2
Methylene chloride			100	3									3.8	3.5	1.6	1.1
4-Methyl-2-pentanone													NA	NA	NA	NA
Methyl ethyl ketone													17	8.6	1.9	0.53
Methyl Isobutyl Ketone													3.4	0.74 J	ND	ND
Methyl Tert Butyl Ether													ND	ND	ND	ND

LAB ID:													JE5018-1	JE5018-2	JE5018-3	JE5018-4
SAMPLE ID:													SV-1	SV-2	SSSV-1	IA-1
SAMPLE DATE:													1/31/2025	1/31/2025	1/31/2025	1/31/2025
SAMPLE MATRIX:													Soil Vapor	Soil Vapor	Soil Vapor	indoor Air
VOCs (ug/m3)	IAC-A	SSC-A	IAC-B	SSC-B	IAC-C	ssc-c	IAC-D	SSC-D	IAC-E	SSC-E	IAC-F	SSC-F	Conc	Conc	Conc	Conc
Methylmethacrylate													ND	ND	ND	ND
Naphthalene							60	2					0.68 J	ND	ND	ND <sup>g</sup>
Propylene													3.6	79.2	ND	ND
Styrene													ND	ND	ND	ND
1,1,1-Trichloroethane			100	3									ND	ND	ND	ND
1,1,2,2-Tetrachloroethane													ND	ND	ND	ND
1,1,2-Trichloroethane													ND	ND	ND	ND
1,2,4-Trichlorobenzene													ND	ND	ND	ND
1,2,4-Trimethylbenzene							60	2					15	2.6	11	0.54 J
1,3,5-Trimethylbenzene							60	2					4.3	0.74 J	2.2	ND
2,2,4-Trimethylpentane							60	2					0.79 J	1.4	ND	0.41 J
Tertiary Butyl Alcohol													2.8	5.8	0.36 J	ND
Tetrachloroethylene			100	3									88.8	1.5	1	ND
Tetrahydrofuran													0.56 J	ND	ND	ND
Toluene											300	10	42.2	17	9.8	1.1
Trichloroethylene	6	0.2											1.6	0.91	ND	ND
Trichlorofluoromethane													2.8	3.1	1.4	1.7
Vinyl chloride					6	0.2							ND	ND	ND	ND
Vinyl bromide													NA	NA	NA	NA
Vinyl Acetate													ND	ND	0.67 J	ND
m,p-Xylene									200	6			55.2	11	17	0.91
o-Xylene							60	2					20	3.9	6.1	0.34 J
Xylenes (total)													75.2	15	23	1.3

ND = Not Detected

NA = Not Analyzed

J = Estimated

ug/m<sup>3</sup>: Micrograms per cubic meter

**Bold:** Elevated Concentration

#### Action Required by NYSDOH Decision Matrix

NY-IAC-A: New York DOH Matrix A Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

NY-IAC-B: New York DOH Matrix B Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

NY-IAC-C: New York DOH Matrix C Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

NY-IAC-D: New York DOH Matrix D Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, February, 2024.

NY-IAC-E: New York DOH Matrix E Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, February, 2024. NY-IAC-F: New York DOH Matrix F Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, February, 2024.

NY-SSC-A: New York DOH Matrix A Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

NY-SSC-B: New York DOH Matrix B Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

NY-SSC-C: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

NY-SSC-D: New York DOH Matrix D Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, February, 2024.

NY-SSC-E: New York DOH Matrix E Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, February, 2024.

NY-SSC-F: New York DOH Matrix F Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, February, 2024.

LAB ID:													L2516429-01
SAMPLE ID:													SSSV-2
SAMPLE DATE:													3/20/2025
SAMPLE MATRIX:													Soil Vapor
VOCs (ug/m3)	IAC-A	SSC-A	IAC-B	SSC-B	IAC-C	SSC-C	IAC-D	SSC-D	IAC-E	SSC-E	IAC-F	SSC-F	Conc
Acetone (2-Propanone)													63.2
1,3-Butadiene													ND
Benzene													2.79
Bromodichloromethane													ND
Bromoform													ND
Bromomethane													ND
Bromoethene													NA
2-Butanone													3.6
Benzyl Chloride													ND
Carbon disulfide													ND
Chlorobenzene													ND
Chloroethane													ND
Chloroform													ND
Chloromethane													0.531
3-Chloropropene													ND
2-Chlorotoluene													NA
Carbon tetrachloride	6	0.2											ND
Cyclohexane	<u> </u>	0.2					60	2					ND
1,1-Dichloroethane							00						ND
1,1-Dichloroethylene	6	0.2											ND
1,2-Dibromoethane (EDB)		0.2											ND
1,2-Dichloroethane	6	0.2											ND
1,2-Dichloropropane	-	0.2											ND
1,4-Dioxane													ND
Dichlorodifluoromethane													2.19
Dibromochloromethane trans-1,2-Dichloroethylene													ND ND
cis-1,2-Dichloroethylene													ND
cis-1,3-Dichloropropene													ND
m-Dichlorobenzene													NA NA
o-Dichlorobenzene													NA NA
p-Dichlorobenzene													NA NA
<del></del>													ND
trans-1,3-Dichloropropene													ND
1,3-Dichlorobenzene													ND
1,4-Dichlorobenzene Ethanol													31.5
Ethylbenzene							60	2					NA
Ethyl Acetate							00						ND
4-Ethyltoluene													
Freon 113													3.7 ND
Freon 114									200	•			ND
Heptane									200	6			2.51
Hexachlorobutadiene									202				ND
Hexane									200	6			4.02
2-Hexanone	-												ND
Isopropyl Alcohol			400	2									104
Methylene chloride			100	3									1.91
4-Methyl-2-pentanone	-												ND
Methyl ethyl ketone	-												NA NA
Methyl Isobutyl Ketone													NA
Methyl Tert Butyl Ether													ND

LAB ID:									L2516429-01				
SAMPLE ID:													SSSV-2
SAMPLE DATE:													3/20/2025
SAMPLE MATRIX:													Soil Vapor
VOCs (ug/m3)	IAC-A	SSC-A	IAC-B	SSC-B	IAC-C	SSC-C	IAC-D	SSC-D	IAC-E	SSC-E	IAC-F	SSC-F	Conc
Methylmethacrylate													NA
Naphthalene							60	2					ND
Propylene													NA
Styrene													ND
1,1,1-Trichloroethane			100	3									ND
1,1,2,2-Tetrachloroethane													ND
1,1,2-Trichloroethane													ND
1,2,4-Trichlorobenzene													ND
1,2,4-Trimethylbenzene							60	2					13.4
1,3,5-Trimethylbenzene							60	2					3.86
2,2,4-Trimethylpentane							60	2					ND
Tertiary Butyl Alcohol													ND
Tetrachloroethylene			100	3									ND
Tetrahydrofuran													ND
Toluene											300	10	21.7
Trichloroethylene	6	0.2											NA
Trichlorofluoromethane													NA
Vinyl chloride					6	0.2							ND
Vinyl bromide													ND
Vinyl Acetate													NA
m,p-Xylene									200	6			142
o-Xylene							60	2					53
Xylenes (total)													NA

ND = Not Detected

NA = Not Analyzed

J = Estimated

ug/m³: Micrograms per cubic meter

**Bold:** Elevated Concentration

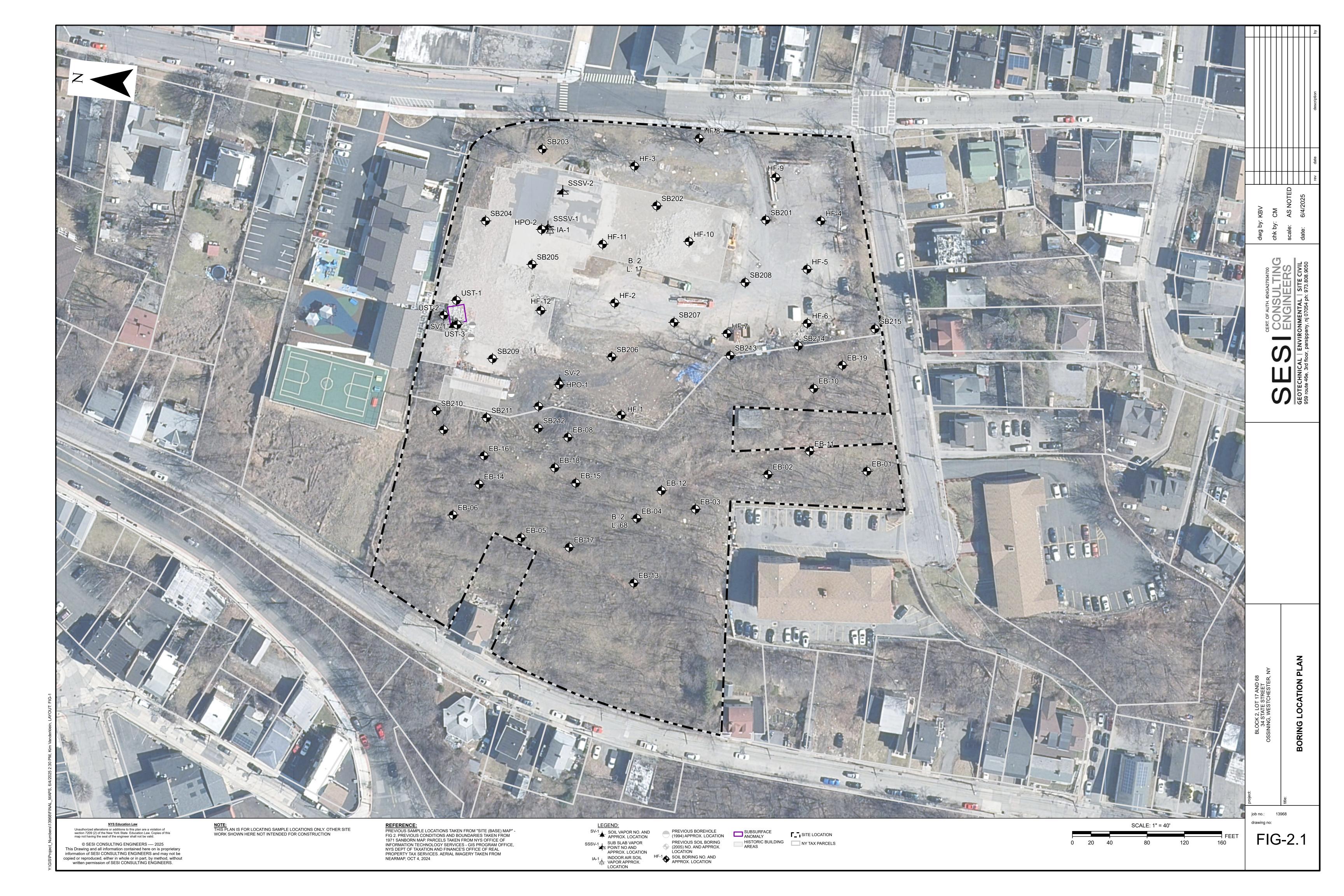
#### Action Required by NYSDOH Decision Matrix

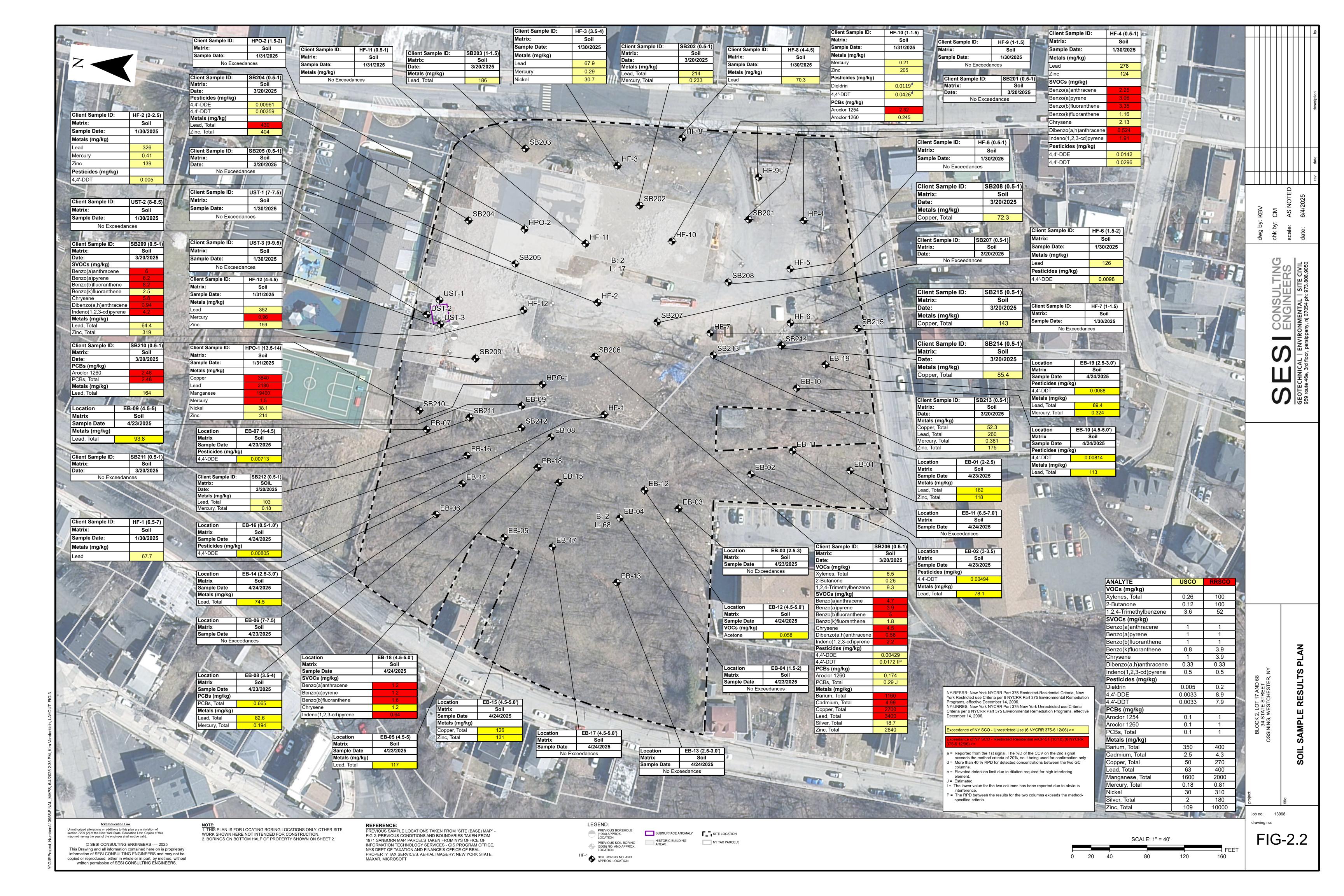
NY-IAC-A: New York DOH Matrix A Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, a NY-IAC-B: New York DOH Matrix B Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, a NY-IAC-C: New York DOH Matrix C Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, a NY-IAC-D: New York DOH Matrix D Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, February, 2024. NY-IAC-E: New York DOH Matrix E Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, February, 2024. NY-IAC-F: New York DOH Matrix F Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, February, 2024. NY-SSC-A: New York DOH Matrix A Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 3 NY-SSC-B: New York DOH Matrix B Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 3 NY-SSC-C: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, February NY-SSC-D: New York DOH Matrix E Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, February NY-SSC-E: New York DOH Matrix E Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, February NY-SSC-F: New York DOH Matrix F Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, February NY-SSC-F: New York DOH Matrix F Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, February NY-SSC-F: New York DOH Matrix F Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, February NY-SSC-F: New York DOH Matrix F Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, February

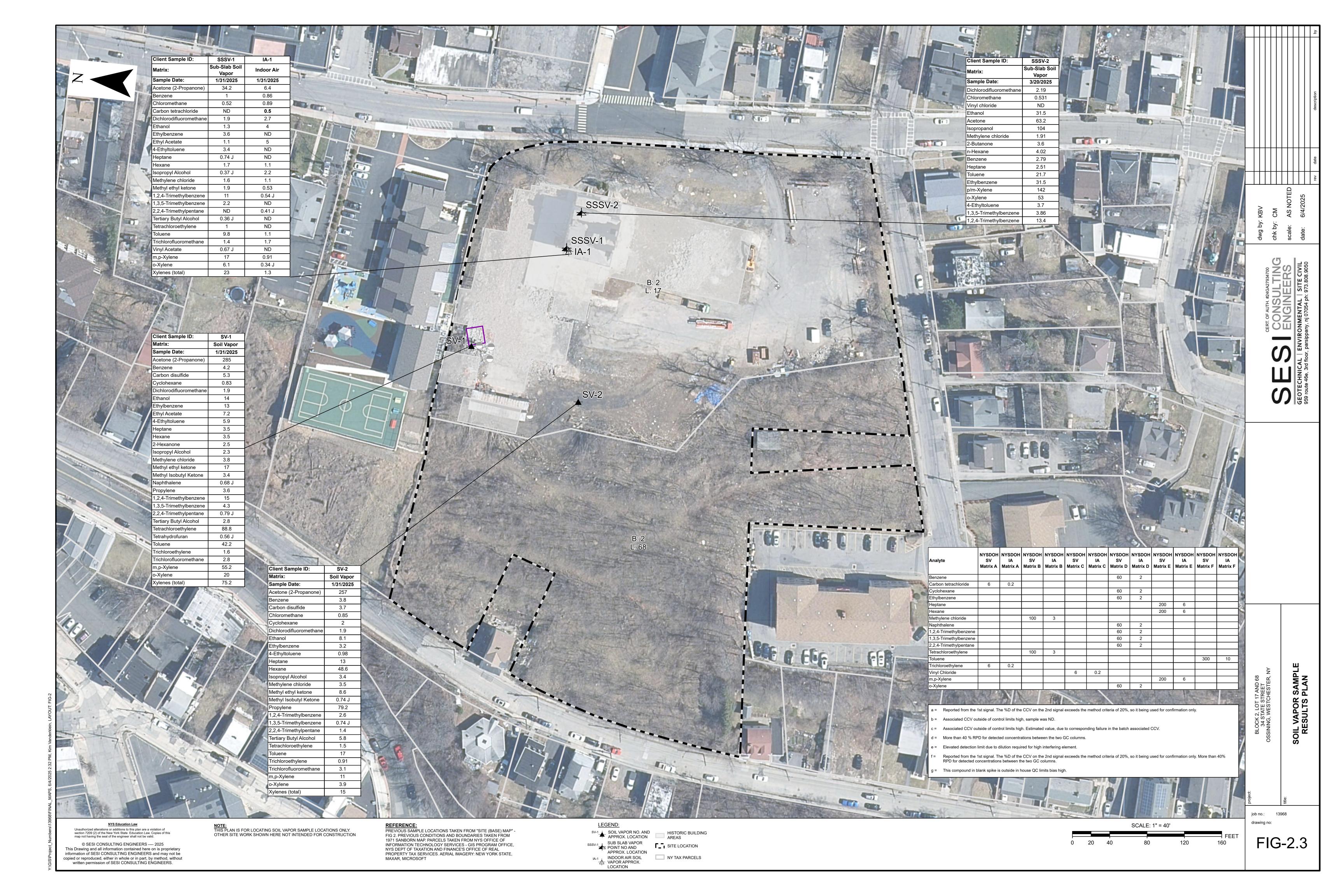


Y:\G\S\Project\_Numbers\13968\APRX\_PROJECT\APRX\_Phase1\_Prj\_No.aprx, 6/4/2025 3:44 PM, Kim Vanderklein, LAYOUT: F\G-1.2









# **Appendix A:**

**Boring Logs** 

JEJ  ENGINEERS	<b>C</b>	F	CICONSULTING								BOREI	HOLE	NUMBER: EB-01
DRILING SOUTH ACTURE  DIRECT PATTER  DIRECT PATTER  DIRECT PATTER  DIRECT PATTER  DRILING SOUTH ACTURE  DIRECT PATTER  DRILING SOUTH ACTURE  CASING DAMFTER  CASING DAMFTER  DRILING SOUTH ACTURE  DR													Sheet 1 of 1
DRILLING CONTRACTOR PG ENVisionmental SAMPLER DIPORTH CONTRACTOR PG ENVisionmental SAMPLER DIPORTH SCHUMARTE SAMPLER DIPORTH SCHUMARTER SAMPLER DIPORTH SCHUMARTER SAMPLER DIPORTH SCHUMARTER SAMPLER DIPORTH SCHUMARTER SCH	PROJE	ECT N	IAME Proposed Development Due Diligence	PF	ROJE	СТ	LO	CAT	ION	34 State Street,	Ossining, N	Y	
SMAPLE NAMER   SAMPLE NAMER   COULTMENT	PROJE	ECT N	O. 13968	EL	_EVA	TIO	N D	ΑT	JM		GRO	JND ELE	VATION
SAMPLER DIRECT PUBLIC				_						Direct Push			
EQUIPMENT OBJECT NET PRINCIPLE CONTINUES OF THE PRINCIPLE SHOWN OBJECT NET OBJECT OF STATE OF THE PRINCIPLE SHOWN OBJECT OF TH				_									NAMETER
BIRLLING FOREMAN Obcar HELPER CASING DAMMER LATITUDE LONGITUDE CONTROL CONTRO													——————————————————————————————————————
LONGITUDE  BORNAL DEPTH  S.D. & Y AFTER DRILLING  Sample Description  BORNAL DEPTH  S.D. & Y AFTER DRILLING  Sample Description  BORNAL DEPTH  Sometime Data  Sample Description  BORNAL DEPTH  Sometime Data  Sample Description  Data brown coarse to fine Gravel  Data brown SILT, some coarse to fine Gravel  BORNAL DEPTH  Sometime Data  BORNAL DEPTH  BORNAL DEPTH  SOMETIME DATA  BORNAL DEPTH  BORNAL DEPT													
Sample Description  Sample Description  Description  Brown Sill, some coarse to fine Gravel  Description  Brown Sill, some coarse to fine Sand  Light brown fine SAND  Some coarse to fine Sand  Light brown fine SAND  Some coarse to fine Sand  1	LOGG			_ 	ASIN	G D	EP1	ГН			▼ AT E	ND OF D	RILLING
Brown Stl.T. some coarse to fine Sand   Section   Sect	LATIT	UDE	LONGITUDE	_ FI	NAL	DEI	PTH			5.0± ft	▼ .	AFTER D	RILLING
Dark trown coarse SAND, some coarse to fine Gravel  Brown SILT, some coarse to fine Sand  Ught brown fine SAND  BOREHOLE COMPLETED AT 52 FEET DUE TO REFUSAL  -10  -15  -20  -20  -25  -25  -25	o a	T		ے	Φ	ē				Sample Da	ta		
Brown SiLT, some coarse to fine Sand  Light brown fine SAND  Some coarse to fine Sand  Light brown fine SAND  Some coarse to fine Sand  Some coarse	Materi	(ft)	Sample Description	Dept (ft)	Sleev	gunu L	Rec. (in)		Moisture		Blows/6-in Core time/ft		Remarks
Drown Sill, some coarse to fine Sand		:	Dark brown coarse SAND, some coarse to fine Gravel									0.0	
Drown Sill, some coarse to fine Sand				-			1					0.0	
Light brown fine SAND		:	Brown SILT, some coarse to fine Sand	+	1			-		EB-01 (2-2.5)			
- 10 15 15												0.0	
-101010202525252525252		3	Light brown fine SAND	<u> </u>				┢				0.0	
SOREHOLE COMPLETED AT 52 FEET DUE TO REPOSAL		_ ا		_								0.0	
-151516		-5	BOREHOLE COMPLETED AT 5± FEET DUE TO REFUSAL	-5									
-151516				-	1								
-151516				-	1								
-151516				-	-								
-151516													
-151516		40		10									
-2020252525252525-		-10		10-									
-2020252525252525-		-		-	1								
-2020252525252525-				-	1								
-2020252525252525-					-								
-2020252525252525-													
-2020252525252525-		15.		15									
-25-		-15		13									
-25-				-									
-25-				-	1								
-25-				-									
-25-													
-25-		-20-		20 -									
		-20		20									
		-											
				-	1								
				-	-								
				.									
		25		25									
		-25		25									
		-	1										
				-	-								
				-	-								
				.									
		-30		30									



GEOTEC	HNICAL	ENVIR	ONMENTAL   SITE CIVIL	-									Sheet 1 of 1
PROJE	CT N	ΔME	Proposed Devel	lopment Due Diligence	PF	ROJEC	T LC	CATIC	N 34	State Street, 0	Ossining, N	1	
PROJE	CT N	Э.	13968		_ EL	EVATI	ON [	DATUN	l _		GROU	JND ELE	EVATION
DATE S	TART	ΈD	04-23-2025	COMPLETED 04-23-2025	_ DF	RILLING	Э МЕ	THOD		Direct Push			
DRILLI	NG C	ONTR	ACTOR PG	Environmental	SA	AMPLE	HAI	/MER	_				
SAMPL	ER	Dir	ect Push		Al	JGER I	NNE	R DIA	METE	R		OUTER D	DIAMETER
EQUIPN	MENT				R	OTARY	BIT	DIAME	TER		DEPTH TO	GROUN	IDWATER:
DRILLIN	NG FO	OREM	AN	HELPER	_ C	ASING	DIA	/IETER	1		$ extstyle egin{array}{c}  extstyle  extstyl$	ME OF D	RILLING
LOGGE	D BY	K.	Holiman	CHECKED BY C. Malvicini	C	ASING	DEP	TH			▼ AT E	ND OF D	RILLING
LATITU	DE			LONGITUDE	_ FII	NAL DI	EPTI	1		10.0± ft	<b>V</b>	AFTER D	PRILLING
<u> </u>						0 5				Sample Dat	ta		
Material Symbol	EL (ft)			Sample Description	Depth (ft)	Sleeve	Type	Moisture		rironmental Soil sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks

LATITUD	ÞΕ	LONGITUDE	FI	NAL D	EP.	ГН		10.0± ft	▼.	AFTER D	PRILLING
<u> </u>				0 5				Sample Dat	ta		
2 %	EL (ft)		Depth (ft)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Dark brown coarse to fine SAND, some coarse to fine Gravel								0.0	
		Brown SILT, some coarse to fine Sand, trace coarse to fine Gravel								0.0	
	_			1	И	42				0.0	
		Gray fine SAND, some coarse to fine Gravel						EB-02 (3-3.5)		0.0	
	_		-							0.0	
	<b>-</b> 5 -	Brown fine SAND	- 5 -							0.0	
	_				П					0.0	
	_			2		45				0.0	
		Brown SILT								0.0	
	<del>-10</del>		10							0.0	
	-10	BOREHOLE COMPLETED AT 10± FEET DUE TO REFUSAL									
	_										
	_										
-	-15-		- 15 -								
	_										
	_		-								
	_		-								
	_		-								
-	-20-		- 20 -								
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	_		-								
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	-										
-	-25-		- 25 -								
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S	FSI	CONSULTING ENGINEERS				BOREHOLE	NUMBER: EB-03
GEOTE	CHNICAL   ENVI	RONMENTAL   SITE CIVIL					Sheet 1 of 1
PROJE	CT NAME	Proposed Develo	pment Due Diligence	PROJECT LOCATION	34 State Street	, Ossining, NY	
PROJE	CT NO.	13968		ELEVATION DATUM		GROUND ELE	EVATION
DATE S	TARTED	04-23-2025	<b>COMPLETED</b> 04-23-2025	DRILLING METHOD	Direct Push		
DRILLII	NG CONTR	RACTOR PG E	nvironmental	SAMPLE HAMMER			
SAMPL	. <b>ER</b> Di	rect Push		AUGER INNER DIAME	TER	OUTER	DIAMETER
EQUIP	MENT			ROTARY BIT DIAMETE	R	DEPTH TO GROUP	NDWATER:
DRILLI	NG FOREM	IAN	HELPER	CASING DIAMETER		$oxed{oxed}$ At time of (	ORILLING
LOGGE	DBY K	. Holiman	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF D	ORILLING
LATITU	DE		LONGITUDE	FINAL DEPTH	5.0± ft	_ ▼ AFTER [	DRILLING
<u> </u>				0 =	Sample D	ata	
erial nbol	EL		Sample Description	Tr. iii	Environmental Cai	il Blauce/6 in DID	Remarks

LOGGE	D BY	K. Holiman CHECKED BY C. Malvicini	C	ASING	) DI	EPTI	н		▼ AT E	ND OF D	DRILLING DRILLING
LATITUI		LONGITUDE	FI	NAL I	DEP	тн		5.0± ft	<b>V</b>	AFTER D	DRILLING
= -					. T			Sample Da	ta		
Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Brown fine SAND, trace Silt								0.0	
	-				l,					0.0	
	-		-	1	П	42				0.0	
00	_	Brown coarse SAND, some coarse to fine Gravel Gray coarse GRAVEL, trace medium Sand	+					EB-03 (2.5-3)		0.0	
	-		-								
00	<del>-</del> 5	BOREHOLE COMPLETED AT 5± FEET DUE TO REFUSAL	5					_		0.0	
	_	BONEHOLE GOWN EETED AT OFF EET BOE TO NET GOALE									
	_										
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	-10-		- 10 -								
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SESI	CONSULTING ENGINEERS				BOREHOLE NUMBER: EI	3-04
<u> </u>	RONMENTAL   SITE CIVIL				Shee	t 1 of 1
PROJECT NAME	Proposed Develo	pment Due Diligence	PROJECT LOCATION 3	4 State Street,	, Ossining, NY	
PROJECT NO.	13968		<b>ELEVATION DATUM</b>		GROUND ELEVATION	
DATE STARTED	04-23-2025	COMPLETED 04-23-2025	DRILLING METHOD	Direct Push		
DRILLING CONTR	RACTOR PG	Environmental	SAMPLE HAMMER			
SAMPLER Dir	rect Push		AUGER INNER DIAMETE	ER	OUTER DIAMETER	
EQUIPMENT			ROTARY BIT DIAMETER	ł	DEPTH TO GROUNDWATER:	
DRILLING FOREM	IAN	HELPER	CASING DIAMETER		$oxed{oxed}$ At time of drilling	
LOGGED BY K	. Holiman	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING	
LATITUDE		LONGITUDE	FINAL DEPTH	5.0± ft	▼ AFTER DRILLING	

LATITUDE	CHECKED BY C. Maivicini  LONGITUDE		NAL DI				5.0± ft			ORILLING
<u> </u>		_	0 0				Sample Dat	ta		
Material Symbol TT (tt)	Sample Description	Depth (ft)	Sleeve Number	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
	Brown fine SAND, some trace coarse to fine Gravel								0.0	
		-		Н			EB-04 (1.5-2)		0.0	
	Light gray fine SAND		1	H.	42		LD-04 (1.5-2)		0.0	
		-							0.0	
		-							0.0	
-5	BOREHOLE COMPLETED AT 5± FEET DUE TO REFUSAL	5 -		П			-			
		-								
		-								
		-								
			-							
-10-		- 10 -								
	-	-								
		-								
-15		- 15 -								
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PROJECT NAME	Proposed Developme	nt Due Diligence	PROJECT LOCATION	34 State Street, 0	Ossining, NY
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION
DATE STARTED	04-23-2025	COMPLETED 04-23-2025	DRILLING METHOD	Direct Push	
DRILLING CONTE	RACTOR PG Enviro	onmental	SAMPLE HAMMER		
SAMPLER Di	rect Push		AUGER INNER DIAME	TER	OUTER DIAMETER
EQUIPMENT			ROTARY BIT DIAMETE	R	DEPTH TO GROUNDWATER:
DRILLING FOREM	MAN	HELPER	CASING DIAMETER		$oxed{egin{array}{cccccccccccccccccccccccccccccccccccc$
LOGGED BY K	C. Holiman	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING
LATITUDE		LONGITUDE	FINAL DEPTH	10.0± ft	▼ AFTER DRILLING
				Cample Det	·- I

				١.	Т			Sample Da	ta		
Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Dark brown coarse Sand								0.0	
	-	Light gray coarse SAND, some coarse to fine Gravel	-		П			_			
	_	ggg	L.		П					0.0	
				1		24				0.0	
		Light gray coarse SAND	+		Ш					0.0	
	-									0.0	
	_		_					EB-05 (4.5-5)		0.0	
	-5	Brown coarse SAND, trace coarse to fine Gravel	5 -							0.0	
	-				П						
	_		L .							0.0	
				2		24				0.0	
		Brown SILT			И					0.0	
		Gray fine SAND, some coarse to fine Gravel Brown SILT						1		0.0	
			10							0.0	
	<del>-10</del>	BOREHOLE COMPLETED AT 10± FEET DUE TO REFUSAL	10					1			
	-		-								
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	-15-		- 15 -								
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GEOTECHNICAL   ENVII	RONMENTAL   SITE CIVIL					One	Ct i Oi i				
PROJECT NAME	Proposed Development	Due Diligence	PROJECT LOCATION 34 State Street, Ossining, NY								
PROJECT NO.	13968		ELEVATION DATUM		GROUND EL	EVATION					
DATE STARTED	04-23-2025	<b>COMPLETED</b> 04-23-2025	DRILLING METHOD	Direct Push							
DRILLING CONTR	RACTOR PG Enviror	nmental	SAMPLE HAMMER								
SAMPLER Di	rect Push		AUGER INNER DIAMET	ER	OUTER	DIAMETER					
EQUIPMENT			ROTARY BIT DIAMETER	₹	DEPTH TO GROU	NDWATER:					
DRILLING FOREM	/AN	HELPER	CASING DIAMETER		extstyle  ext	DRILLING					
LOGGED BY K	. Holiman	CHECKED BY C. Malvicini	CASING DEPTH		T AT END OF	DRILLING					
LATITUDE		LONGITUDE	FINAL DEPTH	8.0± ft	▼ AFTER	DRILLING					
				Sample Da	ta						

LAIIIO				TAL DI				0.0± It			TAILLING
al ol			٦_	e er				Sample Da	ta		
Material Symbol	EL (ft)	Sample Description	Deptit (ft)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Dark brown coarse SAND, some coarse to fine Roots								0.0	
	-		-		П						
	_		ļ		П					0.0	
				1		48				0.0	
		Dark brown SILT		1		-				0.0	
	-										
	-5		- 5							0.0	
		Brown SILT Light gray fine SAND	+		П	-				0.0	
	-	Light gray into 57 the	-	2	И	24				0.0	
***	-					24		EB-06 (7-7.5)		0.0	
								EB-00 (7-7.5)		0.0	
		BOREHOLE COMPLETED AT 8± FEET DUE TO REFUSAL									
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PROJECT NAME	Proposed Develop	oment Due Diligence	PROJECT LOCATION	34 State Street,	Ossining, NY
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION
DATE STARTED	04-23-2025	COMPLETED 04-23-2025	DRILLING METHOD	Direct Push	<u> </u>
DRILLING CONTE	RACTOR PG E	nvironmental	SAMPLE HAMMER		
SAMPLER Di	irect Push		AUGER INNER DIAME	TER	OUTER DIAMETER
EQUIPMENT			ROTARY BIT DIAMETE	ER	DEPTH TO GROUNDWATER:
DRILLING FOREM	MAN	HELPER	CASING DIAMETER		$oxed{egin{array}{cccccccccccccccccccccccccccccccccccc$
LOGGED BY K	(. Holiman	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING
LATITUDE		LONGITUDE	FINAL DEPTH	10.0± ft	▼ AFTER DRILLING
				Sample Da	ıta

LATITUI	DE	LONGITUDE	FI	NAL D	EP1	ГН		10.0± ft	<b>V</b> .	AFTER D	RILLING
<del>-</del> -				0 =				Sample Data			
Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Light brown coarse SAND, trace coarse to fine Gravel			П					0.0	
	_		-		П					0.0	
		Light gray coarse SAND	-		И						
		Light gray coarse SAND Dark brown medium SAND	Ι.	1	И	42				0.0	
					И					0.0	
		Dark brown SILT						EB-07 (4-4.5)		0.0	
	-5	Brown fine SAND	5		П						
	-				П						
		Light growth and Fire CAND			И						
****		Light gray-brown fine SAND		2	ı	24					
	-										
****	<del>-10</del>	BOREHOLE COMPLETED AT 10± FEET DUE TO REFUSAL	10		П						
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GEOTECHNICAL   ENV	IKONIMENTAL   SITE CIVIL					
PROJECT NAME	Proposed Developmen	t Due Diligence	PROJECT LOCATION			
PROJECT NO.	13968		<b>ELEVATION DATUM</b>		GROUND	ELEVATION
DATE STARTED	04-23-2025	COMPLETED 04-23-2025	DRILLING METHOD	Direct Push		
DRILLING CONT	RACTOR PG Enviro	nmental	SAMPLE HAMMER			
SAMPLER D	rirect Push		AUGER INNER DIAME	TER	OUTE	ER DIAMETER
EQUIPMENT	QUIPMENT		ROTARY BIT DIAMETE	R	DEPTH TO GRO	OUNDWATER:
DRILLING FORE	MAN	HELPER	CASING DIAMETER		extstyle  ext	OF DRILLING
LOGGED BY	K. Holiman	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END C	OF DRILLING
LATITUDE		LONGITUDE	FINAL DEPTH	8.0± ft	▼ AFTE	R DRILLING
				Sample Da	nta	1

EL (ft) Sample Description  Sample Description  Sample Description  Sample Description  Dark gray medium SAND, some coarse to fine Gravel  Dark gray medium SAND, some coarse to fine Gravel  Brown medium SAND, some coarse to fine Gravel  BOREHOLE COMPLETED AT 8± FEET  -10-  -15-  -15-  -15-  -20-  -2	Sample Data			LONGITUDE	
Dark gray medium SAND, some coarse to fine Gravel		e in .			
1   39   0.0   0	Page (Signature)    Signature)   Sample Name   Blows/6-in Core time/ft   Core tim	Sleevi Numbe Type	Depti (ft)		EL (ft)
-5 - 1 39	0.0			Dark gray medium SAND, some coarse to fine Gravel	
Brown medium SAND, some coarse to fine Gravel  BOREHOLE COMPLETED AT 8± FEET  -10-  -15-	0.0				
-5	39 0.0	1 3			
-1515151515151515-	0.0				
Brown medium SAND, some coarse to fine Gravel  BOREHOLE COMPLETED AT 8± FEET  -1015151515151515					
Brown medium SAND, some coarse to fine Gravel  BOREHOLE COMPLETED AT 8± FEET 1010	0.0	-	- 5 -		-5
Brown medium SAND, some coarse to fine Gravel  BOREHOLE COMPLETED AT 8± FEET 1010	24 0.0	2 2			
BOREHOLE COMPLETED AT 8± FEET 10101515				Brown medium SAND, some coarse to fine Gravel	
	<del>-                                      </del>		+-+	BOREHOLE COMPLETED AT 8± FEET	
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GEOTECHNICAE   ENVI	KONWENTAL   SITE CIVIL										
PROJECT NAME	Proposed Development	Due Diligence	PROJECT LOCATION 34 State Street, Ossining, NY								
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION						
DATE STARTED	04-23-2025	<b>COMPLETED</b> 04-23-2025	DRILLING METHOD	Direct Push							
DRILLING CONTE	RACTOR PG Enviror	mental	SAMPLE HAMMER								
SAMPLER Di	rect Push		AUGER INNER DIAMET	ER	OUTER DIAMETER						
EQUIPMENT			ROTARY BIT DIAMETER	R I	DEPTH TO GROUNDWATER:						
DRILLING FORE	//AN	HELPER	CASING DIAMETER								
LOGGED BY K	. Holiman	CHECKED BY C. Malvicini	_ CASING DEPTH		▼ AT END OF DRILLING						
LATITUDE		LONGITUDE	_ FINAL DEPTH	8.0± ft	▼ AFTER DRILLING						
				Sample Data							

LATITUI	JE	LONGITUDE	FII	NAL D	EPI	п		8.0± ft	Y A	AFIERD	RILLING
<u> </u>				0 =				Sample Dat	ta		
Material Symbol	EL (ft)		Depth (ft)	Sleeve Number	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Dark gray fine SAND, some coarse to fine Gravel								0.0	
	-		-							0.0	
	-		-							0.0	
				1		42				0.0	
										0.0	
										0.0	
	-5	Brown SILT Dark gray fine SAND, some coarse to fine Gravel	5 -		Н			EB-09 (4.5-5)			
	-									0.0	
	_			2		38				0.0	
		Brown SILT								0.0	
		BOREHOLE COMPLETED AT 8± FEET DUE TO REFUSAL									
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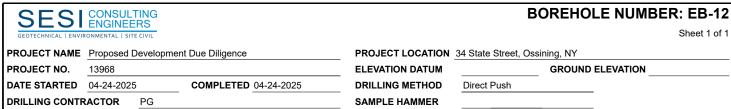
GEOTECHNICAL   ENV	/IRONMENTAL   SITE	CIVIL		Officer 1 of 1
PROJECT NAME	Proposed D	evelopment Due Diligence	PROJECT LOCATION	34 State Street, Ossining, NY
PROJECT NO.	13968		ELEVATION DATUM	GROUND ELEVATION
DATE STARTED	04-24-2025	COMPLETED 04-24-2025	DRILLING METHOD	Direct Push
DRILLING CONT	RACTOR	PG Environmental	SAMPLE HAMMER	
SAMPLER D	irect Push		AUGER INNER DIAMET	ER OUTER DIAMETER
EQUIPMENT			ROTARY BIT DIAMETER	R DEPTH TO GROUNDWATER:
DRILLING FORE	MAN	HELPER	CASING DIAMETER	$oxedsymbol{eta}$ at time of drilling
LOGGED BY	J. Noonan	CHECKED BY C. Malvicini	CASING DEPTH	AT END OF DRILLING
LATITUDE		LONGITUDE	FINAL DEPTH	8.0± ft
rial ool			t l sec	Sample Data

Sample Data  Sampl	PID (ppm)  0.0  0.0  0.0  0.0  0.0  0.0  0.0
Crushed Stone/Concrete Brown coarse to fine Sand and Silt  Crushed Rock  Brown coarse to fine Sand, some Silt, trace coarse Gravel  Brown fine Sand, some Silt, with Organics  5  Brown fine Sand, some Silt, with Organics  2  36  Wet	0.0 0.0 0.0
Brown coarse to fine Sand and Silt  Crushed Rock  Brown coarse to fine Sand, some Silt, trace coarse Gravel  Brown fine Sand, some Silt, with Organics  Brown fine Sand, some Silt, with Organics  2 36 Wet	0.0 0.0 0.0
Crushed Rock  Brown coarse to fine Sand, some Silt, trace coarse Gravel	0.0
Brown coarse to fine Sand, some Silt, trace coarse Gravel  5  Brown fine Sand, some Silt, with Organics  2  36  Wet	0.0
Brown coarse to fine Sand, some Silt, trace coarse Gravel  -5  Brown fine Sand, some Silt, with Organics  - 2  36  Wet	0.0
Brown fine Sand, some Silt, with Organics  5  2  36 Wet	0.0
Brown fine Sand, some Silt, with Organics	
Brown fine Sand, some Silt, with Organics	
2	0.0
	0.0
BOREHOLE COMPLETED AT 8± FEET	0.0
BOREHOLE COMPLETED AT 8± FEET	0.0
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GEOTECHNICAL   EN	VIRONMENTAL   SITE C	IVIL		Onoce	
PROJECT NAME	E Proposed De	velopment Due Diligence	PROJECT LOCATION	34 State Street, Ossining, NY	
PROJECT NO.	13968		ELEVATION DATUM	GROUND ELEVATION	
DATE STARTED	04-24-2025	COMPLETED 04-24-2025	DRILLING METHOD	Direct Push	
DRILLING CONT	RACTOR F	PG Environmental	SAMPLE HAMMER		
SAMPLER [	Direct Push		AUGER INNER DIAMET	ETER OUTER DIAMETER	
EQUIPMENT			ROTARY BIT DIAMETE	ER DEPTH TO GROUNDWATER:	
DRILLING FORE	MAN	HELPER	CASING DIAMETER	$oxedsymbol{eta}$ at time of drilling	
LOGGED BY	J. Noonan	CHECKED BY C. Malvicini	CASING DEPTH	AT END OF DRILLING	
LATITUDE		LONGITUDE	FINAL DEPTH	8.0± ft <b>V</b> AFTER DRILLING	
=-				Sample Data	
la l			tt ( see le l		

				_	Т			Sample Da	ta		
Material Symbol	EL (ft)		Depth (ft)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name		PID (ppm)	Remarks
		Black little coarse to fine Sand, some Silt, with Organics								0.0	
N 4 4		Crushed Stone		-	П			-		0.0	
p. 5. 4	-										
4				1		48				0.0	
		Brown coarse to fine SAND and Silt								0.0	
		Light brown coarse to fine Sand and Si		İ						0.0	
	<del>-</del> 5 -	Brown Sand and Sil	5 -			Н		-			
	-									0.0	
	_			2		36		EB-11 (6.5-7)		0.0	
										0.0	
en dide di		BOREHOLE COMPLETED AT 8± FEET	<del> </del>		Г			-		0.0	
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HELPER

LONGITUDE

CHECKED BY J. Noonan

SAMPLER

LATITUDE

**EQUIPMENT** 

DRILLING FOREMAN

Acetate Sleeve

LOGGED BY D. Djombalic

PROJECT LOCATION 34	State Street,	Ossining, NY
ELEVATION DATUM		GROUND ELEVATION
DRILLING METHOD	Direct Push	
SAMPLE HAMMER		
AUGER INNER DIAMETE	R	OUTER DIAMETER
ROTARY BIT DIAMETER		DEPTH TO GROUNDWATER:
CASING DIAMETER		oxedying at time of drilling
CASING DEPTH		▼ AT END OF DRILLING
FINAL DEPTH	8.0± ft	▼ AFTER DRILLING

LAIIIU		LONGITUDE		NAL DI		п		0.U± II	<u> </u>	AFIER D	ORILLING
<u> </u>				o =		_		Sample Da	ta		
Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
7. Y. V. V.		6" Topsoil, Grass, Roots								0.0	
	_	Medium gray Rock, silty Sand, brown trace Gravel	ļ.	-	П						
<b>\//</b> /										0.0	
$\times$	-		'	1	И					0.0	
$\langle \rangle \rangle \rangle$			ـــــــــ	↓ '	ı					0.0	
		Brown medium to fine Sand, trace Gravel, Wood, Roots			И					0.0	
	-		-	1							
	-5		<del>  5</del> -					EB-12 (4.5-5.0)		0.0	
	·	Brown medium to fine Sand, trace Gravel, small gray Rocks			П					0.0	
	-		-	1	1						
	_		L .	2	И					0.0	
					И					0.0	
نت شدند		BOREHOLE COMPLETED AT 8± FEET	+								
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GEOTEC	HNICAL   E	NVIRONMENTAL   SITE CIVIL										Sheet 1 o	f 1
PROJE	CT NAM	ME Proposed Develop	ment Due Diligence	PF	ROJEC	T LC	CATIO	N 34 Stat	te Street, 0	Ossining, NY	•		
PROJE	CT NO.	13968		El	EVATI	ON I	DATUM			GROU	IND ELE	VATION	
DATE S	TARTE	<b>D</b> 04-24-2025	COMPLETED 04-24-2025	DI	RILLIN	G ME	THOD	Direc	t Push				
DRILLI	NG CON	ITRACTOR PG		s	AMPLE	HAI	MER						
SAMPL	ER	Acetate Sleeve		AI	JGER I	NNE	R DIAM	IETER		(	OUTER D	DIAMETER	
EQUIPM	/IENT			R	OTARY	ВІТ	DIAME	TER		DEPTH TO	GROUN	IDWATER:	
DRILLIN	NG FOR	REMAN	HELPER	c	ASING	DIAI	<b>IETER</b>			oxtimes at tii	ME OF D	RILLING	
LOGGE	D BY	D. Djombalic	CHECKED BY J. Noonan	c	ASING	DEP	TH			▼ AT E	ND OF D	RILLING	
LATITU	DE _		LONGITUDE	FI	NAL D	EPTI	1	10.0	0± ft	<b>V</b>	AFTER D	RILLING	_
<u> </u>					0 5			Sa	ample Dat	a			
Material Symbol	EL (ft)	:	Sample Description	Depth (ft)	Sleeve		Moisture		nental Soil le Name	Blows/6-in Core time/ft	PID (ppm)	Remarks	

<u> </u>								0 1 5		
Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve	Type	Rec. (in)	Moisture	Sample Da Environmental Soil Sample Name	PID (ppm)	Remarks
<u> </u>		Topsoil, Grass, and Roots Dark brown coarse to fine Sand, Wood chips, trace Gravel, small gray Rocks		1		-			0.0	
	-	Tan coarse medium to fine Sand, trace Gravel		'		-		EB-13 (2.5-3.0)	0.0	
	<del>-5</del>	Brown-gray coarse to fine Sand, small gray Rocks, trace Gravel	- 5 	2					0.0	
	-10-		 - 10 -						0.0	
	-	BOREHOLE COMPLETED AT 10± FEET								
	-15- - -		- 15 - - 15 -							
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	- -25- -		 - 25 - 							
	-30- -30-		- 30 - - 30 -							
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PROJECT NAME	E Proposed Developme	ent Due Diligence	PROJECT LOCATION	Ossining, NY	
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION
DATE STARTED	04-24-2025	COMPLETED 04-24-2025	DRILLING METHOD	Direct Push	
DRILLING CONT	<b>RACTOR</b> PG		SAMPLE HAMMER		
SAMPLER A	Acetate Sleeve		AUGER INNER DIAME	TER	OUTER DIAMETER
EQUIPMENT			ROTARY BIT DIAMETE	R	DEPTH TO GROUNDWATER:
DRILLING FORE	MAN	HELPER	CASING DIAMETER		
LOGGED BY	D. Djombalic	CHECKED BY J. Noonan	CASING DEPTH		▼ AT END OF DRILLING
LATITUDE		LONGITUDE	FINAL DEPTH	8.0± ft	▼ AFTER DRILLING
				Sample Da	ta

LATITU	DE	LONGITUDE	FI	NALI	DEF	РΤН		8.0± ft	<b>V</b>	AFTER D	PRILLING
_a _			_	0 7	, [			Sample Da	ta	ı	
Material Symbol	EL (ft)		Depth (ft)	Sleeve	T COL	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
77 77		Topsoil, Grass, Roots, Wood chips Dark brown coarse Soil, Wood chips, roots, trace Gravel								0.0	
12 - 24-14 - 24	-	Dark brown coarse 3011, wood chips, roots, trace Graver	-			ı				0.0	
7, 1.	-		ļ								Slight petroleum odor
15 - 74-12 - 74				1				EB-14 (2.5-3.0)		0.0	
		Brown coarse Sand, small black Rock								0.0	
		Gray fine Sand, trace Gravel, small gray Rocks								0.0	
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										0.0	
		BOREHOLE COMPLETED AT 8± FEET									
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9	Ę	S I CONSULTING ENGINEERS							BORE	HOLE	NUMBER: EB-15
GEOTEG	HNICAI	ENGINEERS  [ ENVIRONMENTAL   SITE CIVIL									Sheet 1 of 1
PROJE	CT N	AME Proposed Development Due Diligence	PF	ROJEC	TLO	CA.	TION	34 State Street,	Ossining N	<b>′</b>	
PROJE			-	EVATI							VATION
		TED 04-24-2025 COMPLETED 04-24-2025	-	RILLIN				Direct Push			
DRILLII	NG C	ONTRACTOR PG	S/	AMPLE	HAN	1ME	ER				
SAMPL	ER	Acetate Sleeve	Αl	JGER I	INNE	R D	IAME	ETER		OUTER D	DIAMETER
EQUIP	/ENT		R	OTARY	BIT	DIA	MET	ER	DEPTH TO	GROUN	IDWATER:
DRILLI	NG F	OREMAN HELPER	C.	ASING	DIAN	1ET	ER		$ extstyle egin{array}{c}  extstyle  extstyl$	ME OF D	RILLING
LOGGE	D BY	D. Djombalic CHECKED BY J. Noonan	C/	ASING	DEP.	ΤН			▼ AT E	ND OF D	RILLING
LATITU	DE	LONGITUDE	FI	NAL D	EPTH	l		8.0± ft	$oldsymbol{ u}$	AFTER D	RILLING
=-								Sample Da	ta		
Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve	Type Rec (in)	(iii)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
Z 1. V 1.		6" Topsoil, Grass, Roots, Wood chips, small Rocks			П					0.0	
	-	Gray Rocks, coarse Sand, trace gray Rocks	-	-						0.0	
		Brown coarse Sand, trace Brick, trace Wood chips, Roots, small Rocks		1						0.0	
	_									0.0	
	<del>-</del> 5	Brown fine Sand, trace Gravel	5					EB-15 (4.5-5.0)		0.0	
	_		⊥ .		и					0.0	
	_	Gray Rocks, coarse Sand, trace gray Rocks		2						0.0	
										0.0	
		BOREHOLE COMPLETED AT 8± FEET	T		П						
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SES	CONSULTING ENGINEERS				BOREHOLE NUMBER: EB	-16
GEOTECHNICAL   EN	VIRONMENTAL   SITE CIVIL				Sheet 1	of 1
PROJECT NAME	Proposed Develop	pment Due Diligence	PROJECT LOCATION	34 State Street	, Ossining, NY	
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION	
DATE STARTED	04-24-2025	<b>COMPLETED</b> 04-24-2025	DRILLING METHOD	Direct Push		
DRILLING CONT	RACTOR PG		SAMPLE HAMMER			
SAMPLER /	Acetate Sleeve		AUGER INNER DIAME	TER	OUTER DIAMETER	
EQUIPMENT			ROTARY BIT DIAMETE	ER	DEPTH TO GROUNDWATER:	
DRILLING FORE	MAN	HELPER	CASING DIAMETER		$oxed{oxed}$ at time of drilling	
LOGGED BY	D. Djombalic	CHECKED BY J. Noonan	CASING DEPTH		▼ AT END OF DRILLING	
LATITUDE		LONGITUDE	FINAL DEPTH	8.0± ft	▼ AFTER DRILLING	
ig o L			ج ا و ق	Sample D	ata	

LATITUD	DΕ	LONGITUDE		NAL DI	EP1	ГН		8.0± ft	<b>V</b>	AFTER D	PRILLING
<u>a</u> o				e e				Sample Dat	ta		
~ 0,	EL (ft)	Sample Description	Depti (ft)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
7,7		6" Topsoil, Grass, Roots Dark brown coarse Sand, Roots			П			EB-16 (0.5-1)		0.7	
		Brown coarse Sand, trace Gravel, Wood chips, small gray Rock		-	П	-		EB-16 (0.5-1)		0.0	
	-										
				1						0.0	
										0.0	
	-									0.0	
	<del>-</del> 5 -	Brown-tan Sand, fine trace Gravel	- 5								
	_				1					0.0	
			L.	2	ı					0.0	
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5		BOREHOLE COMPLETED AT 8± FEET	+		П						
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SESI	CONSULTING ENGINEERS
GEOTECHNICAL   ENVI	IRONMENTAL   SITE CIVIL

PROJECT NAME	Proposed Developme	ent Due Diligence	PROJECT LOCATION	34 State Street,	Ossining, NY		
PROJECT NO.	13968		ELEVATION DATUM		GROUND	ELEVATION	
DATE STARTED	04-24-2025	<b>COMPLETED</b> 04-24-2025	DRILLING METHOD	Direct Push		_	
DRILLING CONTI	RACTOR PG		SAMPLE HAMMER			_	
SAMPLER A	cetate Sleeve		AUGER INNER DIAME	TER	OUT	TER DIAMETER	
EQUIPMENT			ROTARY BIT DIAMETE	R	DEPTH TO GR	OUNDWATER:	
DRILLING FORE	MAN	HELPER	CASING DIAMETER		extstyle  ext	OF DRILLING	
LOGGED BY	). Djombalic	CHECKED BY J. Noonan	CASING DEPTH		▼ AT END	OF DRILLING	
LATITUDE		LONGITUDE	FINAL DEPTH	8.0± ft	▼ AFT	ER DRILLING	
				Sample Da	ata .		

				0 =				Sample Da	ta		
Material Symbol	EL (ft)		Depth (ft)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
71. VIV.		Topsoil, Grass, Roots Brown coarse Silty Sand, trace Gravel, small Rocks								0.0	
	-	Brown coarse Silty Sand, trace Gravel, small Rocks	-	-	П						
	_		L		П					0.0	
				1						0.0	
	-		-								
	_		ļ							0.0	
	_		l _					EB-17 (4.5-5.0)		0.0	
	-5	Dark brown coarse Silty Sand, trace Gravel	5		П					0.0	
	-		-		ı						
	_		ļ.	2						0.0	
										0.0	
ماك مالىك ما		BOREHOLE COMPLETED AT 8± FEET	†		Г						
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PROJECT NAME	Proposed Developm	ent Due Diligence	PROJECT LOCATION	34 State Street, O	ssining, NY	
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION	
DATE STARTED	04-24-2025	COMPLETED 04-24-2025	DRILLING METHOD	Direct Push		
DRILLING CONTR	RACTOR PG		SAMPLE HAMMER			
SAMPLER Ad	etate Sleeve		AUGER INNER DIAMET	ΓER	OUTER DIAMETER	
EQUIPMENT			ROTARY BIT DIAMETE	R	DEPTH TO GROUNDWATER:	
DRILLING FOREM	1AN	HELPER	CASING DIAMETER		$oxed{oxed}$ at time of drilling	
LOGGED BY D	. Djombalic	CHECKED BY J. Noonan	CASING DEPTH		▼ AT END OF DRILLING	
LATITUDE		LONGITUDE	FINAL DEPTH	8.0± ft	▼ AFTER DRILLING	
<u> </u>			- 0 b	Sample Data	ı	

LATITUE	DE	LONGITUDE	FII	NAL DI	EP1	ТН		8.0± ft	$oldsymbol{ u}$	AFTER D	RILLING
<u>_</u> _			L	0 5				Sample Dat	ta		
2 %	EL (ft)	Sample Description	Depth (ft)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
7,1%. 71%.		Topsoil, Roots, Wood chips			П					0.0	
	-	Gray coarse Sand, Brick, trace Gravel			П						
			L .							0.0	
				1						0.0	
	-		-								
		Tan fine Sand, trace Gravel	-							0.0	
		Tall lille Salid, trace Graver	_					EB-18 (4.5-5.0)		0.0	
	<b>-</b> 5 -		- 5 -		П					0.0	
	-		-								
	_		ļ -	2						0.0	
										0.0	
		BOREHOLE COMPLETED AT 8± FEET	T		П						
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PROJECT LOCATION 34 State Street, Ossining, NY
ELEVATION DATUM GROUND ELEVATION
5 DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER OUTER DIAMETER
ROTARY BIT DIAMETER DEPTH TO GROUNDWATER:
CASING DIAMETER $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
n CASING DEPTH TO AT END OF DRILLING
FINAL DEPTH 8.0± ft <b>V</b> AFTER DRILLING

LATITU	DE	LONGITUDE	'	FIN	AL DE	EP.	ГН		8.0± ft	▼.	AFTER D	ORILLING
= =				Т	<b>0 </b>				Sample Da	ta		
Material Symbol	EL (ft)	Sample Description	Depth	(#	Sleeve Number	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
717. 717.		Topsoil, Roots, Grass Dark brown coarse Sand, Roots, Wood chips							-		0.0	
	-	Dark brown coarse Sand, Roots, Wood Chips	-	+		П						
	_		-								0.0	
					1				EB-19 (2.5-3.0)		0.0	
	-		ŀ	1		И			25 10 (2.5 6.6)		0.0	
	_	Brown coarse to fine Sand, trace Gravel, small Rocks	_	_		И			-		0.0	
		brown coarse to line dand, trace Graver, small Nocks	_								0.0	
	-5 -		- 5	Τ							0.0	
	-		-	+		ı						
	_				2	И					0.0	
											0.0	
		BOREHOLE COMPLETED AT 8± FEET				Г						
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PROJECT LOCATION 34 State Street, Ossining, NY
ELEVATION DATUM GROUND ELEVATION 182.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER OUTER DIAMETER
ROTARY BIT DIAMETER DEPTH TO GROUNDWATER:
CASING DIAMETER $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
CASING DEPTH TO AT END OF DRILLING
FINAL DEPTH 16.0± ft  ▼ AFTER DRILLING

LATITU	DE	LONGITUDE	FII	NAL D	ΕP	тн		16.0± ft	<b>V</b>	AFTER D	PRILLING
<u>a</u> <u>o</u>			_	e e				Sample Dat	а		
Material Symbol	EL (ft)		Depti (ft)	Sleeve	Туре	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Brown coarse to fine SAND, some coarse to fine Gravel, trace Silt								0.1	
	-		-	-	П		Moist			0.0	No visual impacts. No odor.
	-			1		19				0.2	
	-	Brown to dark brown medium to fine SAND, little Silt, trace fine Gravel, with Organics								0.2	
	_	- States, man organise	ļ.				Dry			0.0	No visual impacts. No odor.
	177		- 5		1					0.0	
	.,,	Brown medium to fine SAND, some medium to fine SAND, little Silt, with Concrete and Brick historic fill								0.0	
				2		41	Dry	HF-1 (6.5-7)		0.0	No visual impacts. No odor.
	-		-							0.0	
		Brown fine SAND, some Silt, little fine Gravel								0.0	
	-		-		Ш					0.0	
	172-		- 10 -	3		27	Dny				No visual impacts. No odor.
	-						Dry				ino visuai impacts. No odoi.
	-									0.0	
		Light house to house fire CAND ages Cit little fire Course			1					0.0	
		Light brown to brown fine SAND, some Silt, little fine Gravel	L .	4		38				0.0	
	407		4.5	•		50	Dry			0.0	No visual impacts. No odor.
	167-		- 15 -							0.0	
		BOREHOLE COMPLETED AT 16± FEET DUE TO REFUSAL									Refusal on bedrock
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	162-		- 20 -								
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	157-		- 25 -	1							
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PROJECT NAME	Proposed Development	Due Diligence	PROJECT LOCATION	34 State Street,	, Ossining, NY
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION 182.0±
DATE STARTED	01-31-2025	COMPLETED 01-31-2025	DRILLING METHOD	Direct Push	
DRILLING CONTR	RACTOR PG Enviror	mental	SAMPLE HAMMER		
SAMPLER Di	rect Push		AUGER INNER DIAMET	ER	OUTER DIAMETER
EQUIPMENT			ROTARY BIT DIAMETER	R	DEPTH TO GROUNDWATER:
DRILLING FOREM	MAN Oscar	HELPER	CASING DIAMETER		$oxedsymbol{eta}$ at time of drilling
LOGGED BY R	. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING
LATITUDE		LONGITUDE	FINAL DEPTH	4.5± ft	▼ AFTER DRILLING

	_				_			4.0± II		\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Symbol Ei	EL ft)	Sample Description	Depth (ft)	Sleeve Number	Type	Rec. (in)	Moisture	Sample Da  Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
	1	Dark brown coarse to fine SAND, little fine Gravel, trace Silt, with trace Organics, and traces of concrete historic fill					Moist			0.0	
					П		WOIST	HF-10 (1-1.5)		0.0	
	,	Tan to white medium to fine SAND, some coarse to fine Gravel, with bedrock fragments		1		23	_			0.0	
							Dry			0.0	Refusal on bedrock
:::		Bedrock fragments BOREHOLE COMPLETED AT 4.5± FEET DUE TO REFUSAL	-							0.0	Three step out locations were attempted: 3 and 4
17	//-		- 5 -								feet refusals at bedrock
	1										
	-										
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17	72-		- 10 -								
	1										
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	1		-								
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16	67-		- 15 -								
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GEOTECHNICAL   ENVI	KONMENTAL   SITE CIVIL				0.1.001.1.0	
PROJECT NAME	Proposed Developm	ent Due Diligence	PROJECT LOCATION	34 State Street,	Ossining, NY	
PROJECT NO.	13968		<b>ELEVATION DATUM</b>		GROUND ELEVATION 182.0±	
DATE STARTED	01-31-2025	COMPLETED 01-31-2025	DRILLING METHOD	Direct Push		
DRILLING CONTR	RACTOR PG Env	ironmental	SAMPLE HAMMER			
SAMPLER Di	rect Push		AUGER INNER DIAMET	TER	OUTER DIAMETER	
EQUIPMENT			ROTARY BIT DIAMETE	R	DEPTH TO GROUNDWATER:	
DRILLING FORE	MAN Oscar	HELPER	CASING DIAMETER		$oxedsymbol{oxed}$ At time of drilling	
LOGGED BY R	R. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING	
LATITUDE		LONGITUDE	FINAL DEPTH	4.0± ft	▼ AFTER DRILLING	
==				Sample Da	ata	_

=-				- L				Sample Da	ta		
Material Symbol	EL (ft)		Depth (ft)	Sleeve Number	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
	_	Dark brown medium to fine SAND, little Silt, little fine Gravel, with trace Organics	-				Moist	HF-11 (0.5-1)			No visual impacts. No odor.
	1	Tan-pink to white medium to fine SAND, with bedrock chips		1	1	34	Dry			0.0	No visual impacts. No odor.
		BOREHOLE COMPLETED AT 4± FEET DUE TO REFUSAL								0.0	Refusal on bedrock
	177- -		- 5 -								
	-		-								
	-		-								
	172-		- 10 -								
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	167-		- 15 -								
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	162-		- 20 -								
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	152- -		- 30 -								
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PROJECT NAME	Proposed Developmen	t Due Diligence	PROJECT LOCATION	34 State Street,	Ossining, NY
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION 182.0±
DATE STARTED	01-31-2025	<b>COMPLETED</b> 01-31-2025	DRILLING METHOD	Direct Push	
DRILLING CONTRA	ACTOR PG Enviro	nmental	SAMPLE HAMMER		
SAMPLER Dire	ect Push		AUGER INNER DIAME	TER	OUTER DIAMETER
EQUIPMENT			ROTARY BIT DIAMETE	R	DEPTH TO GROUNDWATER:
DRILLING FOREMA	AN Oscar	HELPER	CASING DIAMETER		oxdiv at time of drilling
LOGGED BY R.	Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING
LATITUDE		LONGITUDE	FINAL DEPTH	10.0± ft	▼ AFTER DRILLING

LATITUDE		LONGITUDE		NAL D	EP	TH		10.0± ft	10.0± ft <b>V</b>		DRILLING
o ä	<u></u>			Depth (ft) Sleeve Number Type				Sample Dat	а		
Material Symbol	EL (ft)	Sample Description	Dept (ff)	Sleev	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Approximately 4" of Asphalt								0.0	
		Brown fine SAND, little medium to fine Gravel, little Silt, with Brick historic fill								0.0	
	-			1		33				0.0	
	-						Dry			0.0	No visual impacts. No odor.
	-		-					HF-12 (4-4.5)		0.0	
	177	Brown fine SAND, some Silt, trace fine Gravel, trace Clay	5					-		0.0	
	-		-		П					0.0	
	-		-	2		44	Dry			0.0	No visual impacts. No odor.
	-		-							0.0	·
	-		-							0.0	
**::::::	172	BOREHOLE COMPLETED AT 10± FEET DUE TO REFUSAL	10					_			Refusal on bedroc
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	-		-								
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	167-		- 15 -								
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PROJECT NAME	Proposed Developn	nent Due Diligence	PROJECT LOCATION	PROJECT LOCATION 34 State Street, Ossining, NY								
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION 182.0±							
DATE STARTED	01-30-2025 <b>COMPLETED</b> 01-30-2025		DRILLING METHOD	Direct Push								
DRILLING CONTI	RACTOR PG Env	vironmental	SAMPLE HAMMER									
SAMPLER Di	rect Push		AUGER INNER DIAME	TER	OUTER DIAMETER							
EQUIPMENT			ROTARY BIT DIAMETE	ER	DEPTH TO GROUNDWATER:							
DRILLING FORE	MAN Oscar	HELPER	CASING DIAMETER									
LOGGED BY	R. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING							
LATITUDE		LONGITUDE	FINAL DEPTH	9.0± ft	▼ AFTER DRILLING							

LATITUI	DE	LONGITUDE		FINAL DEPTH				9.0± ft <b>∑</b>		AFTER DRILLING	
o al				. o . o				Sample Data		1	
Material Symbol	EL (ft)		Depti (ft)	Sleeve Number	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Approximately 4" Asphalt Dark brown to brown fine SAND, little medium to fine Gravel, trace		-	П					0.0	
	_	Silt, with Brick historic fill			ı					0.0	
	_		-	1	ı	36	Dry	HF-2 (2-2.5)		0.0	No visual impacts. No odor.
										0.0	
	-	Tan medium to fine SAND, trace fine Gravel			٦					0.0	
	177-	Brown fine SAND, little Silt	- 5 -		ı		Dry				No visual impacts. No odor.
	_	Tan to gray medium to fine SAND, trace fine Gravel, with weathered bedrock and bedrock chips		2	ı	30		-		0.0	
	-	weathered bedrock and bedrock onlys	-		ı		Dry			0.0	No visual impacts. No odor.
	-		-				•			0.0	
		BOREHOLE COMPLETED AT 9± FEET DUE TO REFUSAL	<u> </u>					-			Refusal on bedrock
	172-		- 10 -								
	-										
	_		-								
	_										
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	167-		- 15 -								
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PROJECT NAME	Proposed Development	Due Diligence	PROJECT LOCATION 34 State S	tate Street, Ossining, NY					
PROJECT NO.	13968		ELEVATION DATUM	GROUND ELEVATION 182.0±					
DATE STARTED	01-30-2025	COMPLETED 01-30-2025	DRILLING METHOD						
DRILLING CONTR	RACTOR PG Environmental		SAMPLE HAMMER						
SAMPLER			AUGER INNER DIAMETER	OUTER DIAMETER					
EQUIPMENT			ROTARY BIT DIAMETER	DEPTH TO GROUNDWATER:					
DRILLING FOREM	IAN Oscar	HELPER	CASING DIAMETER	$oxed{oxed}$ At time of drilling					
LOGGED BY R	. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH	▼ AT END OF DRILLING					
LATITUDE		LONGITUDE	FINAL DEPTH 10.0± f	ft   AFTER DRILLING					

LATITU	DE	LONGITUDE		FINAL DEPTH			10.0± ft		▼ AFTER D		DRILLING
				ω'n				Sample Dat	ta	1	
Material Symbol	EL (ft)	Sample Description	Depti (ft)	Sleeve Number	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Approximately 4" Asphalt Dark brown to brown fine SAND, some Silt, trace fine Gravel								0.0	
	-		-							0.0	
	-		-	1		20				0.0	
	-		-								No visual imposto. No oder
	_		-				Moist	HF-3 (3.5-4)			No visual impacts. No odor.
	177-		- 5 -		П					0.0	
	_			2	ı	41				0.0	
		Tan to medium to fine SAND, little fine Gravel			ı					0.0	
										0.0	
	-		-		7		Dry			0.0	No visual impacts. No odor.
	-		-	3	1	14				0.0	
	172	BOREHOLE COMPLETED AT 10± FEET DUE TO REFUSAL	10								Refusal on bedrock
	_		-								
	_		-								
	_		-								
	167		- 15 -								
	167-		- 15 -								
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	-		-								
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	162-		- 20 -								
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	157-		- 25 -								
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	152-		- 30 -								
	102										
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PROJECT NAME	Proposed Development	Due Diligence	PROJECT LOCATION 3	34 State Street, 0	Ossining, NY
PROJECT NO.	13968		<b>ELEVATION DATUM</b>		GROUND ELEVATION 182.0±
DATE STARTED	01-30-2025	<b>COMPLETED</b> 01-30-2025	DRILLING METHOD	Direct Push	
DRILLING CONTR	RACTOR PG Environ	mental	SAMPLE HAMMER		
SAMPLER Di	rect Push		AUGER INNER DIAMET	ER	OUTER DIAMETER
EQUIPMENT			ROTARY BIT DIAMETER	₹	DEPTH TO GROUNDWATER:
DRILLING FOREM	MAN Oscar	HELPER	CASING DIAMETER		$oxed{egin{array}{cccccccccccccccccccccccccccccccccccc$
LOGGED BY R	. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING
LATITUDE		LONGITUDE	FINAL DEPTH	10.0± ft	▼ AFTER DRILLING

LATITU	DE	LONGITUDE	FII	NAL C	EP	тн		10.0± ft	<b>V</b>	AFTER D	PRILLING
ا ا				e e			ı	Sample Dat	ta		
Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleev	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Approximately 4" Asphalt Dark brown to brown fine SAND, little Silt, trace fine Gravel						HF-4 (0.5-1)		0.0	
	-		-		1			(6.6 .)		0.0	
	-		-	1		31				0.0	
	-		-				6				No viewal immosto. No odor
	-		-				Dry				No visual impacts. No odor.
	177-		- 5 -		1					0.0	
	_			2		40				0.0	
		Tan to light brown medium to fine SAND, little medium to fine Gravel, trace Silt, with weathered bedrock, and bedrock chips						-		0.0	
		Gravel, trace Silt, with weathered bedrock, and bedrock chips								0.0	
							Dry			0.0	No visual impacts. No odor.
	=		-	3	$\mathbf{I}$	10				0.0	
**.:***	172	BOREHOLE COMPLETED AT 10± FEET DUE TO REFUSAL	10								Refusal on bedrock
	_		-								
	_		-								
	-		-								
	_		-								
	167-		- 15 -								
	_		-								
	-		-								
	162-		- 20 -								
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	157-		- 25 -								
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	152-		- 30 -								
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ROJECT NAME	Proposed Developmen	t Due Diligence	PROJECT LOCATION 34 State Street, Ossining, NY								
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION 182.0±						
DATE STARTED	01-30-2025		DRILLING METHOD	Direct Push							
ORILLING CONTR	PG Environ	nmental	SAMPLE HAMMER								
SAMPLER Di	rect Push		AUGER INNER DIAMET	ER	OUTER DIAMETER						
EQUIPMENT			ROTARY BIT DIAMETER	R	DEPTH TO GROUNDWATER:						
DRILLING FOREM	IAN Oscar	HELPER	CASING DIAMETER		$oxed{egin{array}{cccccccccccccccccccccccccccccccccccc$						
LOGGED BY R	. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING						
LATITUDE		LONGITUDE	FINAL DEPTH	7.0± ft	▼ AFTER DRILLING						

LATITU	DE	LONGITUDE	FII	NAL D	EP1	ГН		7.0± ft <b>∑</b>		AFTER DRILLING	
<u>=</u> -			T_	0 0				Sample Dat	ta		
Material Symbol	EL (ft)	Sample Description	Deptit (ft)	Sleeve Number	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Approximately 4" Asphalt Brown fine SAND, little medium to fine Gravel, trace Silt						HF-5 (0.5-1)		0.0	
	-				И					0.0	
	-		-	1	ı	33	Dry			0.0	No visual impacts. No odor.
	-		-		ı					0.0	
200		Coarse to fine gray Gravel	+		Я						
00	177	Tan medium to fine SAND, trace fine Gravel	- 5		1		Dry	-			No visual impacts. No odor.
	_	Tar modali to line of the fitting and office	-	2	ı	26	Dry			0.0	No visual impacts. No odor.
										0.0	Bedrock refusal
		BOREHOLE COMPLETED AT 7± FEET DUE TO REFUSAL									Journal of the state of the sta
	_										
	172-		10 -								
	-		-								
	-		-								
	-		-								
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	167-		- 15 -								
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	162-		- 20 -								
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PROJECT NAME	Proposed D	evelopment Due Diligence	PROJECT LOCATION 34 State Street, Ossining, NY								
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION 182.0±						
DATE STARTED	01-30-2025	COMPLETED 01-30-2025	DRILLING METHOD	Direct Push							
DRILLING CONTI	RACTOR	PG Environmental	SAMPLE HAMMER								
SAMPLER D	irect Push		AUGER INNER DIAME	TER	OUTER DIAMETER						
EQUIPMENT			ROTARY BIT DIAMETE	R	DEPTH TO GROUNDWATER:						
DRILLING FORE	MAN Oscar	HELPER	CASING DIAMETER		$oxed{oxed}$ At time of drilling						
LOGGED BY F	R. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING						
LATITUDE		LONGITUDE	FINAL DEPTH	6.0± ft	▼ AFTER DRILLING						

Sample Class	LAIIIU	DE	LONGITUDE	ГП	NAL DI	CF	ΙП		0.0± II	<u>.v.</u>	AFIER D	KILLING
Approximately 4" Aspitals Bown fine SAND some coarse to fine Gravel, little Silt, with Brick, and Concrete historic fill Tan to gray medium to fine SAND  Dark brown SAND, some Silt, trace fine Gravel  177 Tan to pink medium to fine SAND, with weathered bodrock and bedrock chips  BOREHOLE COMPLETED AT 6s FEET DUE TO REFUSAL  17210 -  16715 -  16725 -  15725 -  15725 -  15725 -  15725 -  15725 -  168	<u> </u>			_	0 0				Sample Da	ta		
Brown fine SAND, some coarse to fine Gravel, Bitle Sitt, with Brick, and Concrete historic fill  Ten to gray medium to fine SAND  Dark brown SAND, some Sitt, trace fine Gravel  Toy  Dark brown SAND, some Sitt, trace fine Gravel  Toy  BORCEHOLE COMPLETED AT 61 FEET DUE TO REFUSAL.  Toy  IF-4(15.27)  IF-4	Materia Symbo	EL (ft)	Sample Description	Depth (ft)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
provided the provided of the stand of the st			Approximately 4" Asphalt								0.0	
Tan to gray medium to fine SAND  Tan to gray medium to fine SAND  Dark brown SAND, some Sill, trace fine Gravel  Tan to prick medium to fine SAND, with weathered bedrock and bedrock chips  BOREHOLE COMPLETED AT 6s FEET DUE TO REFUSAL.  172  167  167  167  167  167  167  167		-	Brown fine SAND, some coarse to fine Gravel, little Silt, with Brick, and Concrete historic fill	-		П						
Tan to gray medium to fine SAND  Dark brown SAND, some Sill, trace fine Gravel  77 Tan to pink medium to fine SAND, with weathered bedrock and bedrock chips  80REHOLE COMPLETED AT 6± FEET DUE TO REFUSAL  172 - 15 - 15 - 15 - 15 - 15 - 15 - 15 - 1						П	47	Dry	HF-6 (1.5-2)		0.0	No visual impacts. No odor.
Tan to gray medium to fine SAND  Dark brown SAND, some Silt, trace fine Gravel  Tan to prink medium to fine SAND, with weathered bedrock and bedrock chips BOREHOLE COMPLETED AT 6± FEET DUE TO REFUSAL  172  167  167  167  167  167  167  167		_		_	'	1	41					·
Dark brown SAND, some Silt, trace fine Gravel  177 Tan to pink medium to fine SAND, with weathered bedrock and bedrock chips BOKEHOLE COMPLETED AT 62 FEET DUE TO REFUSAL  172 - 10 - 15 - 15 - 15 - 15 - 15 - 15 - 15			Tan to gray medium to fine SAND									
1777 Tan to pink medium to fine SAND, with weathered bedrock and bedrock chips BOREHOLE COMPLETED AT 62 FEET DUE TO REFUSAL  172  167  167  167  167  167  167  167								Moist			0.0	No visual impacts. No odor.
is to the product of this section of the same is section. And the product of the			Dark brown SAND, some Silt, trace fine Gravel								0.0	
		177	Tan to pink medium to fine SAND, with weathered bedrock and	5 -	2	1	15					
167	• • • • • • • • • • • • • • • • • • • •		bedrock chips					Dry			0.0	No visual impacts. No odor. Refusal on bedrock
167			BOREHOLE COMPLETED AT 6± FEET DUE TO REFUSAL									
167		-										
167		-		-								
167												
167		-		-								
162- 		172-		- 10 -								
162- 												
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162- 		167-		15.								
157-		107		13								
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157-												
		162-		20 -								
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PROJECT NAME	Proposed Developmen	t Due Diligence	PROJECT LOCATION	34 State Street,	Ossining, NY
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION 182.0±
DATE STARTED	D 01-30-2025 COMPLETED 01-30-2025		DRILLING METHOD	Direct Push	
DRILLING CONTR	RACTOR PG Environ	nmental	SAMPLE HAMMER		
SAMPLER Di	rect Push		AUGER INNER DIAME	TER	OUTER DIAMETER
EQUIPMENT			ROTARY BIT DIAMETE	R	DEPTH TO GROUNDWATER:
DRILLING FOREM	MAN Oscar	HELPER	CASING DIAMETER		abla at time of drilling
LOGGED BY R	. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING
LATITUDE		LONGITUDE	FINAL DEPTH	10.0± ft	▼ AFTER DRILLING
			. [	Sample Da	ata

LATITU	DE	LONGITUDE	FII	NAL D	EP.	ТН		10.0± ft <b>V</b>		AFTER DRILLING	
<u> </u>			_	υū				Sample Dat	ta		
Material Symbol	EL (ft)		Depth (ft)	Sleeve Number	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Approximately 4" of Asphal Brown coarse to fine SAND, some medium to fine gravel, trace Silt								0.0	
				1		22	Moist	HF-7 (1-1.5)		0.0	No visual impacts. No odor.
		Brown fine SAND, some Silt, some coarse to fine Gravel		'						0.0	
							Dry			0.0	No visual impacts. No odor.
	177-	Brown fine SAND, some Silt, some coarse to fine Gravel	- 5 -							0.0	
	_		L .	2	И	30				0.0	
	_			-			Dry				No visual impacts. No odor.
	_		ļ .							0.0	
					1/					0.0	
		Tan to pink medium to fine SAND		3	1	13				0.0	
1.11.110	172	BOREHOLE COMPLETED AT 10± FEET DUE TO REFUSAL	10		f						Refusal on bedrock
	_			-							
	_										
			_								
	_		-								
	167-		- 15 -								
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	162-		- 20 -								
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PROJECT NAME	Proposed Developme	nt Due Diligence	PROJECT LOCATION 34 State Street, Ossining, NY								
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION 182.0±						
DATE STARTED	01-30-2025	COMPLETED 01-30-2025	DRILLING METHOD	Direct Push							
DRILLING CONTI	RACTOR PG Envir	onmental	SAMPLE HAMMER								
SAMPLER Di	rect Push		AUGER INNER DIAMET	ER	OUTER DIAMETER						
EQUIPMENT			ROTARY BIT DIAMETER	R	DEPTH TO GROUNDWATER:						
DRILLING FORE	MAN Oscar	HELPER	CASING DIAMETER		$igspace^{}$ at time of drilling						
LOGGED BY	. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING						
LATITUDE		LONGITUDE	FINAL DEPTH	8.0± ft	▼ AFTER DRILLING						

LATITU	DE	LONGITUDE	FII	NAL D	EP	Н		8.0± ft	<u>v</u>	AFTER D	PRILLING
<u>ا ا</u>			_	e e				Sample Dat	ta		
Material Symbol	EL (ft)		Depth (ft)	Sleeve Number	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
	-	Approximately 4" of Asphalt Brown fine SAND, little medium to fine Gravel, little Silt, with Organics		1		21	Moist			0.0	No visual impacts. No odor.
	- <del>-177-</del> -	Tan medium to fine SAND, trace fine Gravel	 - 5 	2		38	Dry	HF-8 (4-4.5)		0.0	No visual impacts. No odor.
	172-	Gray medium to fine SAND, with weathered bedrock and bedrock chips  BOREHOLE COMPLETED AT 8± FEET DUE TO REFUSAL	- 10 -				Dry			0.0	No visual impacts. No odor. Refusal on bedrock
	-										
	167- - -		- 15 - 								
	- 162- -		- 20 -								
	-										
	157- - -		- 25 - 								
	- 152- -		- 30 - 								
	-										



ELEVATION DATUM GROUND ELEVATION 182.0±
Driect Push
SAMPLE HAMMER
AUGER INNER DIAMETER OUTER DIAMETER
ROTARY BIT DIAMETER DEPTH TO GROUNDWATER:
CASING DIAMETER $oxdot $ AT TIME OF DRILLING
CASING DEPTH XT END OF DRILLING
FINAL DEPTH 7.0± ft <b>▼</b> AFTER DRILLING

LATITUI	DE	LONGITUDE	FII	NAL D	EPT	Ή		7.0± ft <b>▼</b>		AFTER DRILLING	
<u> </u>			_	0 5				Sample Dat	ta		
Material Symbol	EL (ft)		Depth (ft)	Sleeve Number	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Approximately 4" Asphalt Brown medium to fine SAND, little medium to fine Gravel, trace Silt,								0.0	
	_	with trace Organics	-		И			HF-9 (1-1.5)		0.0	
	-		-	1	ı	40	Moist			0.0	No visual impacts. No odor.
	-		-							0.0	,
	-				٩						
	177-	Brown fine SAND, trace fine Gravel	- 5 -		1	ŀ	Dry			0.0	No visual impacts. No odor.
	_	Tan medium to fine SAND, with bedrock fragments		2	ı	23	J.,			0.0	140 visual impacts. 140 odol.
	_						Dry			0.0	No visual impacts. No odor. Refusal on bedrock
		BOREHOLE COMPLETED AT 7± FEET DUE TO REFUSAL									Troided on Bedrook
	-										
	172-		- 10 -								
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	167-		- 15 -								
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PROJECT NAME	Proposed Development	Due Diligence	PROJECT LOCATION	34 State Street,	, Ossining, NY
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION 182.0±
DATE STARTED	01-31-2025	COMPLETED 01-31-2025	DRILLING METHOD	Direct Push	
DRILLING CONTR	RACTOR PG Enviror	nmental	SAMPLE HAMMER		
SAMPLER Di	rect Push		AUGER INNER DIAME	TER	OUTER DIAMETER
EQUIPMENT			ROTARY BIT DIAMETE	R	DEPTH TO GROUNDWATER:
DRILLING FOREM	MAN Oscar	HELPER	CASING DIAMETER		$oxedsymbol{oxed}$ At time of drilling
LOGGED BY R	. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING
LATITUDE		LONGITUDE	FINAL DEPTH	15.0± ft	▼ AFTER DRILLING
					·

LATITU		LONGITUDE		NAL D	EF I	п		15.0± ft	<u>v</u>	AFTER D	MILLING
<u>     </u>			_	e e				Sample Dat	ta	ı	
Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
	-	Brown coarse to fine SAND, some medium to fine Gravel, trace Silt, with Brick and Concrete historic fill		1		50	Moist			0.0 0.0 0.0	No visual impacts. No odor.
	177- - -	Light brown to brown fine SAND, little Silt, little medium to fine Gravel	- 5 -	2		52	Dry			0.0 0.0 0.0	No visual impacts. No odor.
	- - <del>172</del> -	Light brown to brown fine SAND, little Silt, trace fine Gravel	  - 10 -	2		52				0.0	
	-	Dark gray to black fine SAND and SILT, with bedrock fragments		3		37	Dry	HPO-1 (13.5-14)		0.0	No visual impacts. No odor.  Dark staining observed. No
1000 A	<del>-167</del> - -	BOREHOLE COMPLETED AT 15± FEET DUE TO REFUSAL	- 15 - 								odor. Refusal on bedrock
	- 162- - -		- 20 - 								
	- 157- -		- 25 -								
	- - 152-										
	- - -		 								



PROJECT NAME	Proposed Developme	nt Due Diligence	PROJECT LOCATION 34 State Street, Ossining, NY									
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION 182.0±							
DATE STARTED	01-31-2025	COMPLETED 01-31-2025	DRILLING METHOD	Direct Push								
DRILLING CONTR	RACTOR PG Envir	onmental	SAMPLE HAMMER									
SAMPLER Di	rect Push		AUGER INNER DIAMET	ER	OUTER DIAMETER							
EQUIPMENT			ROTARY BIT DIAMETER	₹	DEPTH TO GROUNDWATER:							
DRILLING FOREM	MAN Oscar	HELPER	CASING DIAMETER									
LOGGED BY R	. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING							
LATITUDE		LONGITUDE	FINAL DEPTH	7.0± ft	▼ AFTER DRILLING							

LATITUI	DE	LONGITUDE			DEP	тн		7.0± ft  ▼ AFTER DRILLING			RILLING
<u>_ a _</u>			_	υ'n	<u>.</u>			Sample Dat	ta	I	
Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleev	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
p. 5.4		Approximately 6" Concrete slabe Brown medium to fine SAND, some medium to fine Gravel, trace				Π		-		0.0	
	-	Silt	-	1	۱		Moist			0.0	No visual impacts. No odor.
	-			1	Ш	43		HPO-2 (1.5-2)			,
	-	Tan medium to fine SAND, trace fine Gravel, with bedrock fragments		-						0.0	
	_						Dry			0.0	No visual impacts. No odor.
	177	Tan to white coarse to fine SAND, little fine Gravel, with bedrock	- 5 -			1		-		0.0	
	177	fragments		2	Ш	26	Dry			0.0	No visual impacts. No odor.
	_									0.0	
		BOREHOLE COMPLETED AT 7± FEET DUE TO REFUSAL						-			Refusal on bedrock
	-										
	-		-								
	172-		- 10 -	-							
	_										
	_										
	_		-								
	167-		- 15 -								
	-			1							
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	162-		- 20 -								
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	-		-	1							
	157-		- 25 -	1							
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	152-		- 30 -								
	102		30								
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PROJECT NAME	Proposed Developmen	t Due Diligence	PROJECT LOCATION	34 State Street,	<u> </u>
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION
DATE STARTED	03-20-2025	<b>COMPLETED</b> 03-20-2025	DRILLING METHOD	Direct Push	
DRILLING CONTR	RACTOR PG Environ	nmental	SAMPLE HAMMER		
SAMPLER Di	rect Push		AUGER INNER DIAME	TER	OUTER DIAMETER
EQUIPMENT			ROTARY BIT DIAMETE	R	DEPTH TO GROUNDWATER:
DRILLING FOREM	IAN	HELPER	CASING DIAMETER		oxtimes at time of drilling
LOGGED BY R	. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING
LATITUDE		LONGITUDE	FINAL DEPTH	4.5± ft	▼ AFTER DRILLING
				Sample Da	ata

= =				0 =		Sample Data					
Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Asphalt Brown coarse to fine SAND, little fine Gravel, little Silt, trace Clay			П	-		SB-201 (0.5-1)		0.1	
	-							,		0.1	
	-		-	1	И	50					
	_									0.0	
					И					0.0	
XXX		White-tan bedrock fragments BOREHOLE COMPLETED AT 4.5± FEET DUE TO REFUSAL								0.0	Refusal three times
	<b>-</b> 5 -	BOREHOLE COMPLETED AT 4.5± FEET DUE TO REFUSAL	- 5 -								
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PROJECT NAME	Proposed Developmer	t Due Diligence	PROJECT LOCATION 3	34 State Street,	Ossining, NY
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION
DATE STARTED	03-20-2025	<b>COMPLETED</b> 03-20-2025	DRILLING METHOD	Direct Push	
DRILLING CONTI	RACTOR PG Enviro	nmental	SAMPLE HAMMER		
SAMPLER Di	rect Push		AUGER INNER DIAMET	ER	OUTER DIAMETER
EQUIPMENT			ROTARY BIT DIAMETER	₹	DEPTH TO GROUNDWATER:
DRILLING FORE	//AN	HELPER	CASING DIAMETER		$oxed{egin{array}{c} oxed{eta}}$ at time of drilling
LOGGED BY F	R. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING
LATITUDE		LONGITUDE	FINAL DEPTH	5.0± ft	▼ AFTER DRILLING
				Sample Da	ta

LATITUDE		LONGITUDE	FINAL DEPTH					5.0± ft			
<u> </u>			Depth (ft) Sleeve Number Type Rec. (in)					Sample Data			
Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve	Туре	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Asphalt Dark brown-brown fine SAND, some Silt, with historic fill (first 2						SB-202 (0.5-1)		1.0	
	_	feet)								1.0	
	-		'	1		49				1.0	
	-		-							1.0	
Y/X		Tan weathered bedrock						_		1.0	
<i>\///</i> X	-5	BOREHOLE COMPLETED AT 5± FEET DUE TO REFUSAL	- 5								Refusal at rock two times
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PROJECT NAME	Proposed Developn	nent Due Diligence	PROJECT LOCATION 3	34 State Street,	Ossining, NY
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION
DATE STARTED	03-20-2025	COMPLETED 03-20-2025	DRILLING METHOD	Direct Push	
DRILLING CONTR	RACTOR PG Env	vironmental	SAMPLE HAMMER		
SAMPLER Di	rect Push		AUGER INNER DIAMET	ER	OUTER DIAMETER
EQUIPMENT			ROTARY BIT DIAMETER	R	DEPTH TO GROUNDWATER:
DRILLING FOREM	/AN	HELPER	CASING DIAMETER		$igspace^{}$ at time of drilling $\_\!$
LOGGED BY	R. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING
LATITUDE		LONGITUDE	FINAL DEPTH	10.5± ft	▼ AFTER DRILLING
				Sample Da	ata

UDE	LONGITUDE		FINAL DEPTH				10.5± ft <b></b>		AFIERD	RILLING
EL		Depth (ft) Sleeve Number Type Rec. (in)			_		Sample Data			
EL (ft)	Sample Description	Dep (ff.)	Slee	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
47	Concrete								0.1	
	Brown-light brown fine SAND, some Silt, trace fine Gravel						SB-203 (1-1.5)		0.1	
			1		38				0.2	
				ı					0.1	
-5		5							0.0	
-5	same as above with some medium to fine Gravel								0.0	
									0.0	
			2	ı	29				0.0	
	Tan-light brown medium to fine SAND, with weathered bedrock			ı					0.0	No odor, no staining
-10		- 10 -				Dry			0.0	, ,
	BOREHOLE COMPLETED AT 10.5± FEET	+								
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GEOTECHNICKE   ENVI	KONWENTAL   SITE CIVIL					
PROJECT NAME	Proposed Development	Due Diligence	PROJECT LOCATION	34 State Street,	Ossining, NY	
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION	
DATE STARTED	03-20-2025	COMPLETED 03-20-2025	DRILLING METHOD	Direct Push	<u> </u>	
DRILLING CONTR	RACTOR PG Environ	nmental	SAMPLE HAMMER			
SAMPLER Di	rect Push		AUGER INNER DIAMET	TER	OUTER DIAMETER	
EQUIPMENT			ROTARY BIT DIAMETE	R	DEPTH TO GROUNDWATER:	
DRILLING FORE	MAN	HELPER	CASING DIAMETER		$igspace^{}$ at time of drilling	
LOGGED BY	R. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING	
LATITUDE		LONGITUDE	FINAL DEPTH	5.5± ft	▼ AFTER DRILLING	
				0 1 0		

<b>—</b>			1	Sample Data							
Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Brown medium to fine SAN, little Silt, little fine Gravel		1		23	Dry	SB-204 (0.5-1)		0.1 0.0 0.0 0.0 0.0	No odor, no staining
	-5 - - - -10-	BOREHOLE COMPLETED AT 5.5± FEET DUE TO REFUSAL	- 5 10 -								Refusal 2 times
	-15- -15-		  - 15 - 								
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GEOTECHNICAE   ENVI	KONMENTAL   SITE CIVI	L				
PROJECT NAME	Proposed Deve	elopment Due Diligence	PROJECT LOCATION	34 State Street,	Ossining, NY	
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION	
DATE STARTED	03-20-2025	COMPLETED 03-20-2025	DRILLING METHOD	Direct Push		
DRILLING CONTR	RACTOR PO	S Environmental	SAMPLE HAMMER			
SAMPLER Di	irect Push		AUGER INNER DIAME	TER	OUTER DIAMETER	
EQUIPMENT			ROTARY BIT DIAMETE	R	DEPTH TO GROUNDWATER:	
DRILLING FORE	MAN	HELPER	CASING DIAMETER		$oxed{egin{array}{cccccccccccccccccccccccccccccccccccc$	
LOGGED BY R	R. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING	
LATITUDE		LONGITUDE	FINAL DEPTH	5.8± ft	▼ AFTER DRILLING	
<u>a</u> <u>o</u>				Sample Da	ita	_

<del></del>					Т			Sample Da	ta		
Material Symbol	EL (ft)		Depth (ft)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
pa Sa M		Concrete fragments								0.1	
4 4	-	Too limbs because an adjust to fine CANID agree and discust to fine			П					0.1	
	-	Tan-light brown medium to fine SAND, some medium to fine Gravel, with Brick fill and traces of Asphalt fill (may be collapsed fill)	-	-	П			SB-205 (2-2.5)		0.2	
	-			1		31					
	_			-						0.2	
	<del>-</del> 5 -		5							0.0	
		Brown medium to fine SAND, some coarse to fine Gravel, trace Silt, with weathered bedrock chips BOREHOLE COMPLETED AT 5.75± FEET									
		BOREHOLE COMPLETED AT 5.75± FEET									
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GEOTE	HNICA	L   ENVIRONMENTAL   SITE CIVIL									Sheet 1 of 1	
		AME Proposed Development Due Diligence	PF	ROJEC	T L	.00	ATION	34 State Street,				
PROJE			-	EVAT				Direct Push	GRO	UND ELE	EVATION	
		TED         03-20-2025         COMPLETED         03-20-2025           CONTRACTOR         PG Environmental	DRILLING METHOD Direct Push SAMPLE HAMMER									
SAMPL		Direct Push	-	JGER		DIAMETER						
EQUIP	MEN1	r	R	OTARY	BI	T D	IAMET	ER			NDWATER:	
		OREMAN HELPER		ASING							DRILLING	
	OGGED BY R. Reynoso CHECKED BY C. Malvicini			ASING			Н	40.0.5			DRILLING	
LATITU	DE	LONGITUDE	- FI	NAL D	EP	IH		10.0± ft		AFIER	DRILLING	
rial bol	EL		£ ~	ve ber		<u></u>	ø	Sample Da		Т		
Material Symbol	(ft)		Depth (ft)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks	
		Brown medium to fine SAND, little Silt, little fine Gravel, trace Organics						SB-206 (0.5-1)		381.0	Strong chemical odors	
		Blue/green medium to fine SAND, some coarse to fine Gravel, trace Silt, with Rock fragments			П					359.0	(similar to strong adhesive	
		Brown fine SAND, some Silt, trace Clay, trace fine Gravel		1		45				205.0	or paint smell)	
			-							135.0		
			-									
	-5		- 5 -							114.0		
					П					59.0	No staining, slight odor as above layers	
										51.0		
			-	2		38				16.0		
			-	-						0.0		
	-10	same as above, with weathered rock and traces of Brick fill BOREHOLE COMPLETED AT 10± FEET	<del>-10</del> -					1		0.0		
		BOREHOLE COMPLETED AT 101 FEET	L.									
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GEOTECHNICAL   ENVI	COMMENTAL   SITE CIVIL					
PROJECT NAME	Proposed Developmer	nt Due Diligence	PROJECT LOCATION 3	34 State Street,	Ossining, NY	
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION	
DATE STARTED	03-20-2025	<b>COMPLETED</b> 03-20-2025	DRILLING METHOD	Direct Push		
DRILLING CONTR	RACTOR PG Enviro	nmental	SAMPLE HAMMER			
SAMPLER Dir	rect Push		AUGER INNER DIAMET	ER	OUTER DIAMETE	R
EQUIPMENT			ROTARY BIT DIAMETER	₹	DEPTH TO GROUNDWATER	t:
DRILLING FOREM	IAN	HELPER	CASING DIAMETER			
LOGGED BY R	Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING	
LATITUDE		LONGITUDE	FINAL DEPTH	7.2± ft	▼ AFTER DRILLING	
= -				Sample Da	ata	

LATITUI			LONGITUDE FIN					7.2± ft			
							Sample Data				
Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Asphalt Brown medium to fine SAND, some medium to fine Gravel, little			П			SB-207 (0.5-1)		0.0	
	-	Silt, with Brick fill	-		П			GB-207 (0.3-1)		0.0	
	-		-	1	ı	41				0.0	
	-		-		ı						No oder no oteining
	_		-		ı		Dry				No odor, no staining
<b>*</b> * * * *	-5 -		- 5 -							0.0	
	_		ļ.	2	ı	29				0.0	
		White-tan weathered bedrock, with rock fragments			1	25				0.0	
<i>Y X X X X X X X X X X</i>		BOREHOLE COMPLETED AT 7.25± FEET DUE TO REFUSAL									
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PROJECT NAME	Proposed Development	Due Diligence	PROJECT LOCATION	34 State Street,	Ossining, NY
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION
DATE STARTED	03-20-2025	<b>COMPLETED</b> 03-20-2025	DRILLING METHOD	Direct Push	
DRILLING CONTR	RACTOR PG Environ	mental	SAMPLE HAMMER		
SAMPLER Di	rect Push		AUGER INNER DIAMET	TER	OUTER DIAMETER
EQUIPMENT			ROTARY BIT DIAMETE	R	DEPTH TO GROUNDWATER:
DRILLING FOREM	IAN	HELPER	CASING DIAMETER		$oxed{egin{array}{cccccccccccccccccccccccccccccccccccc$
LOGGED BY R	. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING
LATITUDE		LONGITUDE	FINAL DEPTH	4.5± ft	▼ AFTER DRILLING

					Т			Sample Da	ta		
Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Asphalt Brown medium to fine SAND, little Silt, some medium to fine Gravel, trace Clay, with fill						SB-208 (0.5-1)		0.0	
		Gravel, trace Clay, with fill								0.0	
				1		48				0.0	
										0.0	
	-5 -	BOREHOLE COMPLETED AT 4.5± FEET DUE TO REFUSAL	- 5 -							0.0	Refusal two times
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PROJECT NAME	Proposed Developmen	nt Due Diligence	PROJECT LOCATION	34 State Street,	, Ossining, NY	
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELE	VATION
DATE STARTED	03-20-2025	<b>COMPLETED</b> 03-20-2025	DRILLING METHOD	Direct Push		
DRILLING CONT	RACTOR PG Enviro	onmental	SAMPLE HAMMER			
SAMPLER D	irect Push		AUGER INNER DIAMET	ER	OUTER D	DIAMETER
EQUIPMENT			ROTARY BIT DIAMETER	R	DEPTH TO GROUN	DWATER:
DRILLING FORE	MAN	HELPER	CASING DIAMETER		$oxedsymbol{eta}$ at time of D	RILLING
LOGGED BY F	R. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF D	RILLING
LATITUDE		LONGITUDE	FINAL DEPTH	5.0± ft	_ ▼ AFTER D	RILLING
ol ol				Sample Da	ata	
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= =								Sample Da	ta		
Material Symbol	EL (ft)	Sample Description	Depth (ff)	Sleeve	TVDA	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Brown medium to fine SAND, trace Silt, and Concrete fragments, with trace Organics Light tan-brown coarse to fine SAND, trace fine Gravel, with weathered rock		1		32		SB-209 (1-1.5)		0.0 0.0 0.0	
	- <del>-</del> 5	BOREHOLE COMPLETED AT 5± FEET DUE TO REFUSAL	5							0.0	
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GEOTECHNICAL   ENVIR	RONMENTAL   SITE CIVIL				Gliodi	
PROJECT NAME	Proposed Developmen	t Due Diligence	PROJECT LOCATION	34 State Street,	Ossining, NY	
PROJECT NO.	13968		<b>ELEVATION DATUM</b>		GROUND ELEVATION	
DATE STARTED	03-20-2025	<b>COMPLETED</b> 03-20-2025	DRILLING METHOD	Direct Push		
DRILLING CONTR	RACTOR PG Enviro	nmental	SAMPLE HAMMER			
SAMPLER Dir	rect Push		AUGER INNER DIAME	TER	OUTER DIAMETER	
EQUIPMENT			ROTARY BIT DIAMETE	R	DEPTH TO GROUNDWATER:	
DRILLING FOREM	MAN	HELPER	CASING DIAMETER		o at time of drilling	
LOGGED BY R	Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING	
LATITUDE		LONGITUDE	FINAL DEPTH	3.0± ft	▼ AFTER DRILLING	
I			0 =	Sample Da	ata	

= -				~ <u>-</u>				Sample Da	ta		
Material Symbol	EL (ft)	Sample Description	Depth (ff)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Black-dark brown coarse to fine SAND, and coarse to fine Gravel, trace Silt, with weathered bedrock and Organics			L			SB-210 (0.5-1)		0.0	
	-	· · ·		1		20		, ,		0.0	
	-		-	1						0.0	
		BOREHOLE COMPLETED AT 3± FEET DUE TO REFUSAL			-			_			Refusal on bedrock
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	CONSULTING ENGINEERS
GEOTECHNICAL   ENV	IRONMENTAL   SITE CIVIL

GEOTECHNICAL   ENVI	RONWENTAL   SITE CIVIL				5.1.5	
PROJECT NAME	Proposed Development	Due Diligence	PROJECT LOCATION	Ossining, NY		
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION	
DATE STARTED	03-20-2025	COMPLETED 03-20-2025	DRILLING METHOD	Direct Push		
DRILLING CONTI	RACTOR PG Enviror	nmental	SAMPLE HAMMER			
SAMPLER Di	irect Push		AUGER INNER DIAMET	TER	OUTER DIAMETER	
EQUIPMENT			ROTARY BIT DIAMETE	R	DEPTH TO GROUNDWATER:	
DRILLING FORE	MAN	HELPER	CASING DIAMETER		oxedying at time of drilling	
LOGGED BY	R. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING	
LATITUDE		LONGITUDE	FINAL DEPTH	3.0± ft	▼ AFTER DRILLING	
				Sample Da	ta	

<u> </u>			_	Sample Data							
Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Black coarse to fine SAND, some coarse to fine Gravel, trace Silt						SB-211 (0.5-1)		0.0	
	-		-	1		27		(,		0.0	
		Black coarse to fine SAN, and medium to fine Gravel, with			1	-				0.0	
		weathered bedrock and bedrock chips BOREHOLE COMPLETED AT 3± FEET DUE TO REFUSAL	$\vdash$		П						
	-	BOREHOLE COMPLETED AT 31 FEET DUE TO REFUSAL	-								
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PROJECT NAME	Proposed Develop	ment Due Diligence	PROJECT LOCATION	34 State Street, O	ssining, NY
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION
DATE STARTED	03-20-2025	COMPLETED 03-20-2025	DRILLING METHOD	Direct Push	
DRILLING CONTR	RACTOR PG En	vironmental	SAMPLE HAMMER		
SAMPLER Di	rect Push		AUGER INNER DIAME	TER	OUTER DIAMETER
EQUIPMENT			ROTARY BIT DIAMETE	ER I	DEPTH TO GROUNDWATER:
DRILLING FOREM	MAN	HELPER	CASING DIAMETER		$oxed{egin{array}{cccccccccccccccccccccccccccccccccccc$
LOGGED BY	R. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING
LATITUDE		LONGITUDE	FINAL DEPTH	7.5± ft	▼ AFTER DRILLING
				Sample Data	1

ATITU	DE	LONGITUDE	FII	NAL DI	ΞPT	ГН		7.5± ft	<b>V</b>	AFTER D	RILLING
<u></u>			Depth (ft) Sleeve Number Type				Sample Data				
Material Symbol	EL (ft)	Sample Description	Deptr (ft)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Black coarse to fine SAND, and medium Gravel, trace Silt, with fill material						SB-212 (0.5-1)		0.0	
	-		-		ı			05 212 (0.0 1)		0.0	
	-		-	1		47				0.0	
	-				ı					0.0	
	-										
	-5	same as above with some Gravel	5 -							0.0	
	_	camo ao abovo wan como cravo.	ļ .		1	00				0.0	
	_		L .	2	A	30				0.0	
		BOREHOLE COMPLETED AT 7.5± FEET	<u> </u>							0.0	
	-										
	-10-		10 -								
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	-20-		- 20 -								
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GEOTECHNICAL   ENVI	RONMENTAL   SITE CIVIL				ğ	11001 1 01 1				
PROJECT NAME	Proposed Developmen	t Due Diligence	PROJECT LOCATION	34 State Street,	Street, Ossining, NY					
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION					
DATE STARTED	03-20-2025	COMPLETED 03-20-2025	DRILLING METHOD	Direct Push						
DRILLING CONTI	RACTOR PG Environ	nmental	SAMPLE HAMMER							
SAMPLER Di	irect Push		AUGER INNER DIAMET	ΓER	OUTER DIAMETER					
EQUIPMENT			ROTARY BIT DIAMETE	R	DEPTH TO GROUNDWATER:					
DRILLING FORE	MAN	HELPER	CASING DIAMETER		oxdiv at time of drilling					
LOGGED BY F	R. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING					
LATITUDE		LONGITUDE	FINAL DEPTH	8.0± ft	▼ AFTER DRILLING					
				Sample De	nto I					

_			Sample Data								
Material Symbol	EL (ft)		Depth (ft)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
	-	Asphalt Dark brown-brown medium to fine SAND, little Silt, little fine Gravel, with Concrete fill	 	1		27		SB-213 (0.5-1)		0.0	
	- <del>5</del> -	Light brown-brown fine SAND, little Silt, trace fine Gravel, with Asphalt fill	- 5 - 5	2		14				0.0 0.0 0.0	
	-	BOREHOLE COMPLETED AT 8± FEET DUE TO REFUSAL								0.0	
	-10- - -		- 10 - 								
	-15- -		- 15 - - 15 - 								
	-20-		- 20 - - 2 -								
	-25- -		 - 25 - 								
	-30-		 - 30 -								
	-										



GEOTECHNICAE   ENVI	IKONMENTAL   SITE CIVIL					
PROJECT NAME	Proposed Developmer	nt Due Diligence	PROJECT LOCATION	34 State Street,	Ossining, NY	
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION	
DATE STARTED	03-20-2025	COMPLETED 03-20-2025	DRILLING METHOD	Direct Push		
DRILLING CONTR	RACTOR PG Enviro	nmental	SAMPLE HAMMER			
SAMPLER Di	irect Push		AUGER INNER DIAME	TER	OUTER DIAMETER	
EQUIPMENT			ROTARY BIT DIAMETE	R	DEPTH TO GROUNDWATER:	
DRILLING FORE	MAN	HELPER	CASING DIAMETER		$igspace^{}$ at time of drilling $\_\!\!\!$	
LOGGED BY	R. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING	
LATITUDE		LONGITUDE	FINAL DEPTH	4.0± ft	▼ AFTER DRILLING	
				Sample Da	nta I	

			_		Sample Data						
Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Dark brown medium to fine SAND, some coarse to fine Gravel, little Silt, with red brick and Cobbles						SB-214 (0.5-1)		0.0	
	-	Sit, Will for Briok and Cobbios	-							0.0	
	-			1		36					
	_									0.0	
		Tan weathered bedrock				-				0.0	Refusal on bedrock
		BOREHOLE COMPLETED AT 4± FEET DUE TO REFUSAL			П						
	<b>-</b> 5 -		- 5 -								
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	-										
	-										
	-10-		10 -								
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PROJECT NAME	Proposed Develor	oment Due Diligence	PROJECT LOCATION	34 State Street, C	essining, NY
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION
DATE STARTED	03-20-2025	COMPLETED 03-20-2025	DRILLING METHOD	Direct Push	<u> </u>
DRILLING CONTI	RACTOR PG E	nvironmental	SAMPLE HAMMER		
SAMPLER Di	irect Push		AUGER INNER DIAMET	ΓER	OUTER DIAMETER
EQUIPMENT			ROTARY BIT DIAMETE	R	DEPTH TO GROUNDWATER:
DRILLING FORE	MAN	HELPER	CASING DIAMETER		$oxed{oxed}$ at time of drilling
LOGGED BY	R. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING
LATITUDE		LONGITUDE	FINAL DEPTH	8.2± ft	▼ AFTER DRILLING
				Sample Data	a .

LATITU	DE	LONGITUDE	F	NAL	DE	PTH	1		8.2± ft	lacksquare	AFTER D	ORILLING
<u> </u>			T_	a)	<u>_</u>				Sample Dat	а		
Material Symbol	EL (ft)	Sample Description	Depth (#)	Sleeve	Numbe	Type Pee (in)	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Asphalt Brown to dark brown medium to fine SAND, some coarse to fine		-			-		SB-215 (0.5-1)		0.0	
	-	Gravel, little Silt		1		ı					0.0	
	-		-	┨.		I.						
	_	Brown fine SAND, some Silt, trace Clay, trace fine Gravel	-	1		4	15 —				0.0	
											0.0	
	_							Dry			0.0	No odor, no staining
	-5 -		- 5			1					0.1	_
	-		-	-		1					0.1	
		Tan medium to fine SAND, with weathered bedrock		2		3	30				0.1	
											0.0	
	=	BOREHOLE COMPLETED AT 8.25± FEET	<u>+</u> -									
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	-10-		- 10									
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PROJECT NAME	Proposed Developme	ent Due Diligence	PROJECT LOCATION 34 State Street, Ossining, NY									
PROJECT NO.	13968		ELEVATION DATUM		GROUND ELEVATION 182.0±							
DATE STARTED	01-30-2025	COMPLETED 01-30-2025	DRILLING METHOD	Direct Push	<u> </u>							
DRILLING CONTI	RACTOR PG Envir	onmental	SAMPLE HAMMER									
SAMPLER Di	rect Push		AUGER INNER DIAME	TER	OUTER DIAMETER							
EQUIPMENT			ROTARY BIT DIAMETE	ER	DEPTH TO GROUNDWATER:							
DRILLING FORE	MAN Oscar	HELPER	CASING DIAMETER		$oxed{oxed}$ at time of drilling							
LOGGED BY	R. Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING							
LATITUDE		LONGITUDE	FINAL DEPTH	17.0± ft	lacksquare AFTER DRILLING							

LATITU	DE	LONGITUDE		FINAL DEPTH			17.0± ft <b>V</b> AFTER DRILLING				
<u>a</u> _			ے	ē ē				Sample Dat	а	I	
Material Symbol	EL (ft)		Depth (ft)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Brown medium to fine SAND, little Silt, with Brick and Concrete Cobble, and Organics					Moist			0.0	No visual impacts. No odor.
	-	Brown to light brown medium to fine SAND, some medium to fine Gravel, trace Silt	-		П					0.0	
	-	G. 11.6.7, 11.000 G.I.V	-	1		26				0.1	
	-		-				Dry			0.1	No visual impacts. No odor.
	-		-							0.0	·
	177-		- 5 -		П					0.0	
	_	Brown fine SAND, little fine Gravel, little Silt		2		30				0.0	
	-		-					UST-1 (7-7.5)			
	-						Dry			0.0	No visual impacts. No odor.
	-						-			0.0	·
	172-		- 10 -	3		48				0.0	
	-	Tan to light brown medium to fine SAND, little fine Grave, trace Silt	-							0.0	
	-									0.0	
	-						Dry			0.0	No visual impacts. No odor.
	_			4		46				0.0	
	167		15-							0.0	
	_	Gray to light brown fine SAND, and coarse to fine Gravel, with weathered Bedrock					Dry			0.0	No visual impacts. No odor.
							,			0.0	Refusal on bedrock
		BOREHOLE COMPLETED AT 17± FEET DUE TO REFUSAL									relasar on bearook
	162-		- 20 -								
	102		20-								
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	157-		- 25 -								
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	152-		- 30 -								
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PROJECT NAME	Proposed Development	Due Diligence	PROJECT LOCATION 3	34 State Street, Ossining, NY				
PROJECT NO.	13968		<b>ELEVATION DATUM</b>		GROUND ELEVATION 182.0±			
DATE STARTED	01-30-2025	<b>COMPLETED</b> 01-30-2025	DRILLING METHOD	Direct Push				
DRILLING CONTR	RACTOR PG Enviror	mental	SAMPLE HAMMER					
SAMPLER Dir	rect Push		AUGER INNER DIAMET	ER	OUTER DIAMETER			
EQUIPMENT			ROTARY BIT DIAMETER	₹	DEPTH TO GROUNDWATER:			
DRILLING FOREM	MAN Oscar	HELPER	CASING DIAMETER					
LOGGED BY R	Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING			
LATITUDE		LONGITUDE	FINAL DEPTH	10.0± ft	▼ AFTER DRILLING			

LATITU	DE	LONGITUDE	FI	NAL D	EP.	TH		10.0± ft	<b>V</b>	AFTER D	RILLING
E Z			_	e E				Sample Dat	a		
Material Symbol	EL (ft)		Deptr (ft)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Dark brown coarse to fine SAND, and coarse to fine Gravel, with Brick and Concrete fill, and Organics					Moist			0.0	No visual impacts. No odor.
		Brown medium to fine SAND, some medium to fine Gravel, little Silt		1	П	31		-		0.0	
				] '		31				0.0	
							Dry			0.0	No visual impacts. No odor.
	177-		- 5 -							0.0	
		Dark brown fine SAND, some Silt, trace fine Gravel, with Bedrock		2	П	26		_		0.0	
	_	chips		_						0.0	
	_						Dry			0.0	No visual impacts. No odor.
	_			3		10		UST-2 (8-8.5)		0.0	
	<del>172</del>	BOREHOLE COMPLETED AT 10± FEET DUE TO REFUSAL	10		4			-		0.0	Refusal on bedrock
	_	BOREHOLE COMPLETED AT 10± FEET DUE TO REFUSAL	ļ.	-							
	_										
	-			-							
	-		ļ	-							
	167-		- 15 -	-							
	-			-							
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	=		-								
	162-		- 20 -	-							
	-										
	-			-							
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	157-		- 25 -								
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	-		-	-							
	-		-	1							
	152-		- 30 -	1							
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PROJECT NAME	Proposed Development	Due Diligence	PROJECT LOCATION 3	34 State Street, Ossining, NY				
PROJECT NO.	13968		<b>ELEVATION DATUM</b>		GROUND ELEVATION 182.0±			
DATE STARTED	01-30-2025	COMPLETED 01-30-2025	DRILLING METHOD	Direct Push				
DRILLING CONTR	RACTOR PG Environ	mental	SAMPLE HAMMER					
SAMPLER Dir	rect Push		AUGER INNER DIAMET	ER	OUTER DIAMETER			
EQUIPMENT			ROTARY BIT DIAMETER	₹	DEPTH TO GROUNDWATER:			
DRILLING FOREM	MAN Oscar	HELPER	CASING DIAMETER		$oxed{egin{array}{cccccccccccccccccccccccccccccccccccc$			
LOGGED BY R	Reynoso	CHECKED BY C. Malvicini	CASING DEPTH		▼ AT END OF DRILLING			
LATITUDE		LONGITUDE	FINAL DEPTH	12.0± ft	▼ AFTER DRILLING			

LATITUI	TITUDE LONGITUDE		FINAL DEPTH				<u>12.0± ft</u> <b>▼</b>		AFTER DRILLING		
o a			_	e e				Sample Dat	ta		
Material Symbol	EL (ft)	Sample Description	Depti (ft)	Sleeve	Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Dark brown to brown medium to fine SAND, little Silt, trace fine Gravel, with Organics								0.0	
	-	· , · · · <b>3</b>	-		И					0.0	
	-		-	1		16	Moist			0.0	No visual impacts. No odor.
	-		-							0.0	
		Brown fine Sand, some Silt, trace fine Gravel	+		Н						
	177-		- 5 -		П					0.0	
	-		-	2	1	37	Dry				No visual impacts. No odor.
	_		-		ı					0.0	
										0.0	
	_	Brown fine SAND, some Silt, trace fine Gravel, with Brick fill			П					0.0	
	172-		- 10 -	3	ı	33	Dry	UST-3 (9-9.5)		0.2	No visual impacts. No odor.
	172		[ 10 -	3	1	33	ыу			0.1	ino visuai impacts. No odoi.
	_				ı					0.0	
		BOREHOLE COMPLETED AT 12± FEET	†								Refusal on bedrock
	-		-								
	-		-								
	167-		- 15 -								
	-		-								
	-		-								
	-		-								
	_		-								
	162-		- 20 -								
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	157-		- 25 -								
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	152-		- 30 -								
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**Laboratory Analytical Reports** 

Will be completed once Carleton 252 LLC take title to the Site



# Dayton, NJ

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

e-Hardcopy 2.0
Automated Report



# **SESI Consulting Engineers**

Ossining Investigation, 34 State Street, Ossining, NY

13968

SGS Job Number: JE4905

**Sampling Date: 01/30/25** 



FD@sesi.org james.vandervliet@sesi.org chris.malvicini@sesi.org

ATTN: Distribution4

Total number of pages in report: 112



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Uya 4. Gonou
Olga Azarian
Technical Director

Client Service contact: Louie Devletter 732-329-0200 Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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

# **Sample Summary**

**SESI** Consulting Engineers

**Job No:** JE4905

Ossining Investigation, 34 State Street, Ossining, NY

Project No: 13968

Sample Number	Collected Date	Time By	Received	Matri Code		Client Sample ID
This report co Organics ND		lts reported as  Not detecte			cted. The following app	blies:
JE4905-1	01/30/25	10:40 RR	01/30/25	SO	Soil	UST-1 (7-7.5)
JE4905-2	01/30/25	11:15 RR	01/30/25	SO	Soil	UST-2 (8-8.5)
JE4905-3	01/30/25	12:00 RR	01/30/25	SO	Soil	UST-3 (9-9.5)
JE4905-4	01/30/25	13:00 RR	01/30/25	SO	Soil	HF-1 (6.5-7)
JE4905-5	01/30/25	14:30 RR	01/30/25	SO	Soil	HF-2 (2-2.5)
JE4905-6	01/30/25	15:35 RR	01/30/25	SO	Soil	HF-3 (3.5-4)
JE4905-7	01/30/25	14:00 RR	01/30/25	SO	Soil	HF-4 (0.5-1)
JE4905-8	01/30/25	15:20 RR	01/30/25	SO	Soil	HF-5 (0.5-1)
JE4905-9	01/30/25	15:10 RR	01/30/25	SO	Soil	HF-6 (1.5-2)
JE4905-10	01/30/25	15:55 RR	01/30/25	SO	Soil	HF-7 (1-1.5)
JE4905-11	01/30/25	14:45 RR	01/30/25	SO	Soil	HF-8 (4-4.5)
JE4905-12	01/30/25	15:00 RR	01/30/25	SO	Soil	HF-9 (1-1.5)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Client Sample ID: UST-1 (7-7.5)

 Lab Sample ID:
 JE4905-1
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 82.9

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 1264487.D
 1
 01/31/25 15:43 JN
 01/31/25 07:50 n/a
 VI10642

Run #2

**Initial Weight** 

Run #1 5.2 g

Run #2

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units Q
67-64-1	Acetone	ND	12	4.8	ug/kg
71-43-2	Benzene	ND	0.58	0.53	ug/kg
74-97-5	Bromochloromethane	ND	5.8	0.65	ug/kg
75-27-4	Bromodichloromethane	ND	2.3	0.50	ug/kg
75-25-2	Bromoform	ND	5.8	1.6	ug/kg
74-83-9	Bromomethane	ND	5.8	0.89	ug/kg
78-93-3	2-Butanone (MEK)	ND	12	2.8	ug/kg
75-15-0	Carbon disulfide	ND	2.3	0.62	ug/kg
56-23-5	Carbon tetrachloride	ND	2.3	0.72	ug/kg
108-90-7	Chlorobenzene	ND	2.3	0.53	ug/kg
75-00-3	Chloroethane	ND	5.8	0.69	ug/kg
67-66-3	Chloroform	ND	2.3	1.2	ug/kg
74-87-3	Chloromethane	ND	5.8	2.3	ug/kg
110-82-7	Cyclohexane	ND	2.3	0.76	ug/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.3	0.80	ug/kg
124-48-1	Dibromochloromethane	ND	2.3	0.65	ug/kg
106-93-4	1,2-Dibromoethane	ND	1.2	0.49	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.63	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.58	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.57	ug/kg
75-71-8	Dichlorodifluoromethane	ND	5.8	0.84	ug/kg
75-34-3	1,1-Dichloroethane	ND	1.2	0.57	ug/kg
107-06-2	1,2-Dichloroethane	ND	1.2	0.55	ug/kg
75-35-4	1,1-Dichloroethene	ND	1.2	0.76	ug/kg
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.97	ug/kg
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.71	ug/kg
78-87-5	1,2-Dichloropropane	ND	2.3	0.55	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.55	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.53	ug/kg
100-41-4	Ethylbenzene	ND	1.2	0.53	ug/kg
76-13-1	Freon 113	ND	5.8	3.1	ug/kg
591-78-6	2-Hexanone	ND	5.8	2.5	ug/kg

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

# **Report of Analysis**

 Client Sample ID:
 UST-1 (7-7.5)

 Lab Sample ID:
 JE4905-1
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 82.9

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q	
98-82-8	Isopropylbenzene	ND	2.3	1.6	ug/kg	;	
79-20-9	Methyl Acetate	ND	5.8	1.6	ug/kg	;	
108-87-2	Methylcyclohexane	ND	2.3	1.0	ug/kg	;	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.54	ug/kg		
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	2.6	ug/kg		
75-09-2	Methylene chloride	3.5	5.8	3.0	ug/kg	J	
100-42-5	Styrene	ND	2.3	0.47	ug/kg	;	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.69	ug/kg	;	
127-18-4	Tetrachloroethene	ND	2.3	0.67	ug/kg	;	
108-88-3	Toluene	ND	1.2	0.61	ug/kg	;	
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	2.9	ug/kg		
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	2.9	ug/kg	;	
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.56	ug/kg	;	
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.64	ug/kg		
79-01-6	Trichloroethene	ND	1.2	0.88	ug/kg		
75-69-4	Trichlorofluoromethane	ND	5.8	0.79	ug/kg	;	
75-01-4	Vinyl chloride	ND	2.3	0.56	ug/kg	;	
	m, p-Xylene	ND	1.2	1.0	ug/kg	;	
95-47-6	o-Xylene	ND	1.2	0.53	ug/kg	;	
1330-20-7	Xylene (total)	ND	1.2	0.53	ug/kg		
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	its		
1868-53-7	Dibromofluoromethane	119%		80-12	24%		
17060-07-0	1,2-Dichloroethane-D4	108%		75-13	33%		
2037-26-5	Toluene-D8	97%		79-12	25%		
460-00-4	4-Bromofluorobenzene	93%		58-1	48%		
CAS No.	Tentatively Identified Compo	ounds	R.T.	Est.	Conc.	Units	Q
	Total TIC, Volatile			0		ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

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

4 of 112

Client Sample ID: UST-1 (7-7.5)

 Lab Sample ID:
 JE4905-1
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 82.9

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 6P519999.D
 1
 02/03/25 16:05
 KH
 02/02/25 16:25
 OP61245
 E6P4359

Run #2

Initial Weight Final Volume

Run #1 30.1 g 1.0 ml

Run #2

### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	80	20	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	25	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	71	ug/kg	
51-28-5	2,4-Dinitrophenol <sup>a</sup>	ND	200	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	200	43	ug/kg	
95-48-7	2-Methylphenol	ND	80	26	ug/kg	
	3&4-Methylphenol	ND	80	33	ug/kg	
88-75-5	2-Nitrophenol <sup>a</sup>	ND	200	26	ug/kg	
100-02-7	4-Nitrophenol	ND	400	110	ug/kg	
87-86-5	Pentachlorophenol	ND	160	38	ug/kg	
108-95-2	Phenol	ND	80	21	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	200	27	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	30	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	24	ug/kg	
83-32-9	Acenaphthene	ND	40	14	ug/kg	
208-96-8	Acenaphthylene	ND	40	20	ug/kg	
98-86-2	Acetophenone	ND	200	8.6	ug/kg	
120-12-7	Anthracene	ND	40	25	ug/kg	
1912-24-9	Atrazine	ND	80	17	ug/kg	
56-55-3	Benzo(a)anthracene	ND	40	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	40	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	40	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	40	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	40	19	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	80	15	ug/kg	
85-68-7	Butyl benzyl phthalate <sup>a</sup>	ND	80	9.8	ug/kg	
92-52-4	1,1'-Biphenyl	ND	80	5.5	ug/kg	
100-52-7	Benzaldehyde	ND	200	9.9	ug/kg	
91-58-7	2-Chloronaphthalene	ND	80	9.5	ug/kg	
106-47-8	4-Chloroaniline	ND	200	14	ug/kg	
86-74-8	Carbazole	ND	80	5.8	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

# **Report of Analysis**

 Client Sample ID:
 UST-1 (7-7.5)

 Lab Sample ID:
 JE4905-1
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 82.9

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam <sup>a</sup>	ND	80	16	ug/kg	
218-01-9	Chrysene	ND	40	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	80	8.6	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	80	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	80	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	80	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	40	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	40	20	ug/kg	
91-94-1	3,3'-Dichlorobenzidine <sup>a</sup>	ND	80	33	ug/kg	
123-91-1	1,4-Dioxane	ND	40	26	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	40	18	ug/kg	
132-64-9	Dibenzofuran	ND	80	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	80	6.5	ug/kg	
117-84-0	Di-n-octyl phthalate <sup>a</sup>	ND	80	10	ug/kg	
84-66-2	Diethyl phthalate	ND	80	8.5	ug/kg	
131-11-3	Dimethyl phthalate	ND	80	7.1	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate <sup>a</sup>	ND	80	9.4	ug/kg	
206-44-0	Fluoranthene	ND	40	18	ug/kg	
86-73-7	Fluorene	ND	40	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	80	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	40	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	400	16	ug/kg	
67-72-1	Hexachloroethane	ND	200	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	40	19	ug/kg	
78-59-1	Isophorone	ND	80	8.6	ug/kg	
91-57-6	2-Methylnaphthalene	ND	40	9.1	ug/kg	
88-74-4	2-Nitroaniline	ND	200	9.5	ug/kg	
99-09-2	3-Nitroaniline	ND	200	10	ug/kg	
100-01-6	4-Nitroaniline	ND	200	10	ug/kg	
91-20-3	Naphthalene	ND	40	11	ug/kg	
98-95-3	Nitrobenzene	ND	80	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	80	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	15	ug/kg	
85-01-8	Phenanthrene	ND	40	13	ug/kg	
129-00-0	Pyrene	ND	40	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	10	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its	
367-12-4	2-Fluorophenol	49%		10-9	99%	

ND = Not detected MDL = Method Detection Limit J = Indicates and MDL = Method Detection Limit <math>MDL = Method Detection Limit MD

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 

N = Indicates presumptive evidence of a compound

# **Report of Analysis**

Page 3 of 3

 Client Sample ID:
 UST-1 (7-7.5)

 Lab Sample ID:
 JE4905-1
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 82.9

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limits		
4165-62-2 118-79-6 4165-60-0 321-60-8 1718-51-0	Phenol-d5 2,4,6-Tribromophenol Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	53% 56% 52% 51% 61%		10-96% 10-123% 10-109% 11-109% 10-120%		
CAS No.	Tentatively Identified Compo	R.T.	Est. Conc.	Units	Q	
	Unknown Unknown Alkane Unknown alcohol Unknown alcohol Unknown alcohol Alkane Unknown Unknown Unknown Total TIC, Semi-Volatile		4.63 4.67 10.48 10.90 11.10 11.59 11.79 11.84 12.46 12.79	1600 200 180 210 440 260 170 190 170 180 3600	ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	J J J J J

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

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

7 of 112

Client Sample ID: UST-1 (7-7.5) Lab Sample ID: JE4905-1

 Lab Sample ID:
 JE4905-1
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8081B
 SW846 3546
 Percent Solids:
 82.9

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 1G205960.D
 1
 02/04/25 05:04 CP
 02/03/25 16:30 OP61250 G1G7403
 G1G7403

Run #2

Initial Weight Final Volume
Run #1 15.2 g 10.0 ml

Run #2

#### **Pesticide TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.79	0.65	ug/kg	
319-84-6	alpha-BHC	ND	0.79	0.65	ug/kg	
319-85-7	beta-BHC	ND	0.79	0.72	ug/kg	
319-86-8	delta-BHC	ND	0.79	0.76	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.79	0.58	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.79	0.64	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.79	0.36	ug/kg	
60-57-1	Dieldrin	ND	0.79	0.55	ug/kg	
72-54-8	4,4'-DDD	ND	0.79	0.73	ug/kg	
72-55-9	4,4'-DDE	ND	0.79	0.70	ug/kg	
50-29-3	4,4'-DDT	ND	0.79	0.70	ug/kg	
72-20-8	Endrin	ND	0.79	0.62	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.79	0.62	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.79	0.45	ug/kg	
959-98-8	Endosulfan-I	ND	0.79	0.46	ug/kg	
33213-65-9	Endosulfan-II	ND	0.79	0.50	ug/kg	
76-44-8	Heptachlor	ND	0.79	0.68	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.79	0.56	ug/kg	
72-43-5	Methoxychlor	ND	1.6	0.63	ug/kg	
53494-70-5	Endrin ketone	ND	0.79	0.57	ug/kg	
8001-35-2	Toxaphene	ND	20	18	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1 Run# 2		Limi	ts	
877-09-8	Tetrachloro-m-xylene	44%		13-16	52%	
877-09-8	Tetrachloro-m-xylene	46%		13-16	52%	
2051-24-3	Decachlorobiphenyl	79%		10-18	80%	
2051-24-3	Decachlorobiphenyl	53%		10-18	80%	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 

N = Indicates presumptive evidence of a compound

Page 1 of 1

 Client Sample ID:
 UST-1 (7-7.5)

 Lab Sample ID:
 JE4905-1
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8082A
 SW846 3546
 Percent Solids:
 82.9

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

	File ID	DF	Analyzed	By	Prep Date	<b>Prep Batch</b>	<b>Analytical Batch</b>
Run #1	XX2520395.D	1	02/03/25 18:31	MLC	02/03/25 16:30	OP61251	GXX8810
Run #2							

	<b>Initial Weight</b>	Final Volume
Run #1	15.2 g	10.0 ml
Run #2	-	

#### **PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016 <sup>a</sup>	ND	40	18	ug/kg	
11104-28-2	Aroclor 1221	ND	40	25	ug/kg	
11141-16-5	Aroclor 1232	ND	40	25	ug/kg	
53469-21-9	Aroclor 1242	ND	40	16	ug/kg	
12672-29-6	Aroclor 1248	ND	40	35	ug/kg	
11097-69-1	Aroclor 1254	ND	40	21	ug/kg	
11096-82-5	Aroclor 1260	ND	40	17	ug/kg	
11100-14-4	Aroclor 1268	ND	40	35	ug/kg	
37324-23-5	Aroclor 1262	ND	40	26	ug/kg	
a.a		" -	- " -			
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
877-09-8	Tetrachloro-m-xylene	56%		10-17	74%	
877-09-8	Tetrachloro-m-xylene	54%		10-17		
2051-24-3	Decachlorobiphenyl	55%		10-19		
2051-24-3	Decachlorobiphenyl	62%		10-19		

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

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

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Page 1 of 1

 Client Sample ID:
 UST-1 (7-7.5)

 Lab Sample ID:
 JE4905-1
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Percent Solids:
 82.9

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed E	Ву	Method	Prep Method
Aluminum	13200	59	mg/kg	1	01/31/25	01/31/25 N	ΜМ	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Antimony	< 2.4	2.4	mg/kg	1	01/31/25	01/31/25 N	ΜМ	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Arsenic	< 2.4	2.4	mg/kg	1	01/31/25	01/31/25 N	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Barium	66.6	24	mg/kg	1	01/31/25	01/31/25 N	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.63	0.24	mg/kg	1	01/31/25	01/31/25 N	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 0.59	0.59	mg/kg	1	01/31/25	01/31/25 N	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Calcium	1490	590	mg/kg	1	01/31/25	01/31/25 N	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Chromium	14.8	1.2	mg/kg	1	01/31/25	01/31/25 N	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Cobalt	6.7	5.9	mg/kg	1	01/31/25	01/31/25 N	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Copper	20.6	2.9	mg/kg	1	01/31/25	01/31/25 N	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Iron	16000	59	mg/kg	1	01/31/25	01/31/25 N	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Lead	13.6	2.4	mg/kg	1	01/31/25	01/31/25 N	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Magnesium	8210	590	mg/kg	1	01/31/25	01/31/25 N	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Manganese	382	1.8	mg/kg	1	01/31/25	01/31/25 N	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Mercury	< 0.035	0.035	mg/kg	1	01/31/25	01/31/25 N	ИK	SW846 7471B <sup>1</sup>	SW846 7471B <sup>4</sup>
Nickel	12.5	4.7	mg/kg	1	01/31/25	01/31/25 N	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Potassium	< 1200	1200	mg/kg	1	01/31/25	01/31/25 N	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Selenium	< 2.4	2.4	mg/kg	1	01/31/25	01/31/25 N	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Silver	< 0.59	0.59	mg/kg	1	01/31/25	01/31/25 N	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Sodium	< 1200	1200	mg/kg	1	01/31/25	01/31/25 N	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Thallium	< 1.2	1.2	mg/kg	1	01/31/25	01/31/25 N	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Vanadium	20.8	5.9	mg/kg	1	01/31/25	01/31/25 N	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Zinc	44.2	5.9	mg/kg	1	01/31/25	01/31/25 N	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA57812(2) Instrument QC Batch: MA57815(3) Prep QC Batch: MP52479(4) Prep QC Batch: MP52491

Page 1 of 1

Client Sample ID: UST-1 (7-7.5)

 Lab Sample ID:
 JE4905-1
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Percent Solids:
 82.9

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.24	0.24	mg/kg	1	01/31/25 18:53	5 JD	SW846 9012B/LACHAT
Solids, Percent	82.9		%	1	02/03/25 10:43	8 DP	SM2540 G 18TH ED MOD

Client Sample ID: UST-2 (8-8.5) Lab Sample ID: JE4905-2

 Lab Sample ID:
 JE4905-2
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 87.1

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 I264488.D
 1
 01/31/25 16:05
 JN
 01/31/25 07:50
 n/a
 VI10642

 Run #2
 VIII
 VIII
 VIII
 VIII
 VIII
 VIII

.....

**Initial Weight** 

Run #1 5.1 g

Run #2

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units Q	
67-64-1	Acetone	ND	11	4.7	ug/kg	
71-43-2	Benzene	ND	0.56	0.51	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	0.63	ug/kg	
75-27-4	Bromodichloromethane	ND	2.3	0.48	ug/kg	
75-25-2	Bromoform	ND	5.6	1.5	ug/kg	
74-83-9	Bromomethane	ND	5.6	0.86	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.7	ug/kg	
75-15-0	Carbon disulfide	ND	2.3	0.60	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.3	0.70	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	0.52	ug/kg	
75-00-3	Chloroethane	ND	5.6	0.67	ug/kg	
67-66-3	Chloroform	ND	2.3	1.1	ug/kg	
74-87-3	Chloromethane	ND	5.6	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.3	0.74	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.3	0.78	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	0.63	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.47	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.61	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.56	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.56	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	0.82	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.56	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.53	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.74	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.95	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.69	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	0.53	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.53	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.51	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.51	ug/kg	
76-13-1	Freon 113	ND	5.6	3.0	ug/kg	
591-78-6	2-Hexanone	ND	5.6	2.4	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

**Date Sampled:** 01/30/25

**Date Received:** 01/30/25

Percent Solids: 87.1

# **Report of Analysis**

Client Sample ID: UST-2 (8-8.5)
Lab Sample ID: JE4905-2
Matrix: SO - Soil

**Method:** SW846 8260D SW846 5035

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q	
98-82-8	Isopropylbenzene	ND	2.3	1.6	ug/kg	5	
79-20-9	Methyl Acetate	ND	5.6	.6 1.6 u		5	
108-87-2	Methylcyclohexane	ND	2.3	0.98	ug/kg	5	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.53	ug/kg	5	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.6	2.6	ug/kg	;	
75-09-2	Methylene chloride	ND	5.6	2.9	ug/kg	;	
100-42-5	Styrene	ND	2.3	0.45	ug/kg	,	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.67	ug/kg	5	
127-18-4	Tetrachloroethene	ND	2.3	0.65	ug/kg	,	
108-88-3	Toluene	ND	1.1	0.59	ug/kg	,	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.8	ug/kg	5	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	2.8	ug/kg	5	
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.54	ug/kg	5	
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.62	ug/kg	5	
79-01-6	Trichloroethene	ND	1.1	0.86	ug/kg	,	
75-69-4	Trichlorofluoromethane	ND	5.6	0.77	ug/kg	,	
75-01-4	Vinyl chloride	ND	2.3	0.54	ug/kg	,	
	m, p-Xylene	ND	1.1	1.0	ug/kg	,	
95-47-6	o-Xylene	ND	1.1	0.52	ug/kg	,	
1330-20-7	Xylene (total)	ND	1.1	0.52	ug/kg	[	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	its		
1868-53-7	Dibromofluoromethane	118%		80-1	24%		
17060-07-0	1,2-Dichloroethane-D4	109%		75-1	33%		
2037-26-5	Toluene-D8	94%		79-1	25%		
460-00-4	4-Bromofluorobenzene	92%		58-1	48%		
CAS No.	Tentatively Identified Compo	ounds	R.T.	Est.	Conc.	Units	Q
	Total TIC, Volatile			0		ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Client Sample ID: UST-2 (8-8.5)

 Lab Sample ID:
 JE4905-2
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 87.1

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 6P520000.D
 1
 02/03/25 16:25
 KH
 02/02/25 16:25
 OP61245
 E6P4359

Run #2

Initial Weight Final Volume
Run #1 31.5 g 1.0 ml

Run #2

#### ABN TCL List (SOM0 2.0)

Compound	Result	RL	MDL	Units	Q
2-Chlorophenol	ND	73	18	ug/kg	
4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
2,4-Dichlorophenol	ND	180	31	ug/kg	
2,4-Dimethylphenol	ND	180	65	ug/kg	
2,4-Dinitrophenol <sup>a</sup>	ND	180	140	ug/kg	
4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
2-Methylphenol	ND	73	23	ug/kg	
3&4-Methylphenol	ND	73	30	ug/kg	
2-Nitrophenol <sup>a</sup>	ND	180	24	ug/kg	
4-Nitrophenol	ND	360	97	ug/kg	
Pentachlorophenol	ND	150	34	ug/kg	
Phenol	ND	73	19	ug/kg	
2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
2,4,5-Trichlorophenol	ND	180	27	ug/kg	
2,4,6-Trichlorophenol	ND	180	22	ug/kg	
Acenaphthene	ND	36	13	ug/kg	
	ND	36	19	ug/kg	
*	ND	180	7.8	ug/kg	
Benzo(a)anthracene					
-					
Carbazole	ND	73	5.3	ug/kg	
	2-Chlorophenol 4-Chloro-3-methyl phenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol a 4,6-Dinitro-o-cresol 2-Methylphenol 3&4-Methylphenol 2-Nitrophenol a 4-Nitrophenol Pentachlorophenol Phenol 2,3,4,6-Tetrachlorophenol 2,4,5-Trichlorophenol Acenaphthene Acenaphthylene Acetophenone Anthracene Atrazine	2-Chlorophenol ND 4-Chloro-3-methyl phenol ND 2,4-Dichlorophenol ND 2,4-Dimethylphenol ND 2,4-Dinitrophenol ND 2,4-Dinitrophenol ND 2,4-Dinitrophenol ND 4,6-Dinitro-o-cresol ND 2-Methylphenol ND 3&4-Methylphenol ND 2-Nitrophenol ND 4-Nitrophenol ND Pentachlorophenol ND Pentachlorophenol ND 2,3,4,6-Tetrachlorophenol ND 2,4,5-Trichlorophenol ND 2,4,5-Trichlorophenol ND Acenaphthene ND Acenaphthene ND Actophenone ND Artrazine ND Benzo(a)anthracene ND Benzo(b)fluoranthene ND Benzo(b)fluoranthene ND Benzo(k)fluoranthene ND Benzo(k)fluoranthene ND Benzaldehyde ND 2-Chloronaphthalene ND 4-Chloroaniline ND	2-Chlorophenol ND 180 2,4-Dichlorophenol ND 180 2,4-Dimethylphenol ND 180 2,4-Dimitrophenol ND 180 2,4-Dinitrophenol ND 180 2,4-Dinitrophenol ND 180 4,6-Dinitro-o-cresol ND 180 2-Methylphenol ND 73 3&4-Methylphenol ND 73 2-Nitrophenol ND 180 4-Nitrophenol ND 150 Phenol ND 150 Phenol ND 150 Phenol ND 150 Phenol ND 180 2,4,5-Trichlorophenol ND 180 2,4,5-Trichlorophenol ND 180 Acenaphthene ND 36 Acenaphthene ND 36 Acetophenone ND 180 Actophenone ND 180 Actophenone ND 36 Arazine ND 36 Benzo(a)anthracene ND 36 Benzo(b)fluoranthene ND 36 Benzo(k)fluoranthene ND 36	2-Chlorophenol ND 180 22 2,4-Dichlorophenol ND 180 31 2,4-Dimethylphenol ND 180 31 2,4-Dimethylphenol ND 180 65 2,4-Dinitrophenol ND 180 180 39 2-Methylphenol ND 180 39 2-Methylphenol ND 73 23 3&4-Methylphenol ND 73 30 2-Nitrophenol ND 180 24 4-Nitrophenol ND 360 97 Pentachlorophenol ND 150 34 Phenol ND 73 19 2,3,4,6-Tetrachlorophenol ND 180 24 2,4,5-Trichlorophenol ND 180 27 2,4,6-Trichlorophenol ND 180 27 2,4,6-Trichlorophenol ND 180 27 2,4,6-Trichlorophenol ND 180 27 Acenaphthene ND 36 13 Acenaphthylene ND 36 13 Acenaphthylene ND 36 19 Acetophenone ND 180 73 16 Benzo(a)anthracene ND 36 10 Benzo(a)pyrene ND 36 10 Benzo(b)fluoranthene ND 36 16 Benzo(b)fluoranthene ND 36 17 Benzo(b)fluoranthene ND 36 18 Benzo(k)fluoranthene ND 36 18 Benzo(k)fluoranthene ND 36 17 Benzo(k)fluoranthene ND 36 18 Benzo(k)fluoranthene ND 36 17 Benzo(k)fluoranthene ND 36 17 Benzo(k)fluoranthene ND 36 18 Benzo(k)fluoranthene ND 36 18 Benzo(k)fluoranthene ND 36 17 Benzo(k)fluoranthene ND 36 18 Benzo(k)fluoranthene ND 36 17 Benzo(k)fluoranthene ND 36 18 Benzo(k)fluoranthene ND 36 17 Benzo(k)fluoranthene ND 36 18 Benzo(k)fluoranthene ND 36 17 Benzoldehyde ND 180 9.0 2-Chloronaphthalene ND 73 8.7 4-Chloroaniline ND 180 13	2-Chlorophenol         ND         73         18         ug/kg           4-Chloro-3-methyl phenol         ND         180         22         ug/kg           2,4-Dichlorophenol         ND         180         31         ug/kg           2,4-Dimethylphenol         ND         180         65         ug/kg           2,4-Dinitrophenol a         ND         180         140         ug/kg           4,6-Dinitro-o-cresol         ND         180         39         ug/kg           2-Methylphenol         ND         73         23         ug/kg           2-Methylphenol         ND         73         30         ug/kg           2-Nitrophenol a         ND         180         24         ug/kg           2-Nitrophenol b         ND         360         97         ug/kg           4-Nitrophenol b         ND         360         97         ug/kg           Phenol b         ND         73         19         ug/kg           2,3,4,6-Tetrachlorophenol b         ND         180         24         ug/kg           2,4,5-Trichlorophenol b         ND         180         22         ug/kg           Acenaphthene b         ND         36         13

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Client Sample ID: UST-2 (8-8.5) Lab Sample ID: **Date Sampled:** 01/30/25 JE4905-2 **Matrix:** SO - Soil **Date Received:** 01/30/25 Method: Percent Solids: 87.1 SW846 8270E SW846 3546

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam <sup>a</sup>	ND	73	14	ug/kg	
218-01-9	Chrysene	ND	36	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	7.8	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	73	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine <sup>a</sup>	ND	73	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	16	ug/kg	
132-64-9	Dibenzofuran	ND	73	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	5.9	ug/kg	
117-84-0	Di-n-octyl phthalate <sup>a</sup>	ND	73	9.1	ug/kg	
84-66-2	Diethyl phthalate	ND	73	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate <sup>a</sup>	ND	73	8.5	ug/kg	
206-44-0	Fluoranthene	ND	36	16	ug/kg	
86-73-7	Fluorene	ND	36	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	9.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	360	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	36	17	ug/kg	
78-59-1	Isophorone	ND	73	7.8	ug/kg	
91-57-6	2-Methylnaphthalene	ND	36	8.2	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.6	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.1	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.4	ug/kg	
91-20-3	Naphthalene	ND	36	10	ug/kg	
98-95-3	Nitrobenzene	ND	73	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	ND	36	12	ug/kg	
129-00-0	Pyrene	ND	36	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.3	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
367-12-4	2-Fluorophenol	48%		10-99	9%	

367-12-4 2-Fluorophenol 48% 10-99%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

Page 3 of 3

 Client Sample ID:
 UST-2 (8-8.5)

 Lab Sample ID:
 JE4905-2
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 87.1

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### ABN TCL List (SOM0 2.0)

CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limits		
4165-62-2 118-79-6 4165-60-0 321-60-8 1718-51-0	Phenol-d5 2,4,6-Tribromophenol Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	51% 65% 49% 49% 71%		10-96% 10-123% 10-109% 11-109% 10-120%		
CAS No.	<b>Tentatively Identified Compo</b>	ounds	R.T.	Est. Conc.	Units	Q
	Unknown Unknown Total TIC, Semi-Volatile		4.63 4.86	1500 410 1910	ug/kg ug/kg ug/kg	J

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 

Client Sample ID: UST-2 (8-8.5) Lab Sample ID: JE4905-2

**Date Sampled:** 01/30/25 **Matrix:** SO - Soil **Date Received:** 01/30/25 Method: SW846 8081B SW846 3546 Percent Solids: 87.1

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

File ID DF **Analytical Batch** Analyzed By **Prep Date Prep Batch** 02/03/25 16:30 Run #1 1G205961.D 1 02/04/25 05:20 CP OP61250 G1G7403

Run #2

**Final Volume Initial Weight** Run #1 10.0 ml 15.2 g

Run #2

#### **Pesticide TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.76	0.62	ug/kg	
319-84-6	alpha-BHC	ND	0.76	0.61	ug/kg	
319-85-7	beta-BHC	ND	0.76	0.68	ug/kg	
319-86-8	delta-BHC	ND	0.76	0.73	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.76	0.56	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.76	0.61	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.76	0.34	ug/kg	
60-57-1	Dieldrin	ND	0.76	0.52	ug/kg	
72-54-8	4,4'-DDD	ND	0.76	0.69	ug/kg	
72-55-9	4,4'-DDE	ND	0.76	0.66	ug/kg	
50-29-3	4,4'-DDT	ND	0.76	0.67	ug/kg	
72-20-8	Endrin	ND	0.76	0.59	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.76	0.59	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.76	0.43	ug/kg	
959-98-8	Endosulfan-I	ND	0.76	0.44	ug/kg	
33213-65-9	Endosulfan-II	ND	0.76	0.47	ug/kg	
76-44-8	Heptachlor	ND	0.76	0.65	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.76	0.53	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.60	ug/kg	
53494-70-5	Endrin ketone	ND	0.76	0.55	ug/kg	
8001-35-2	Toxaphene	ND	19	18	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limi	ts	
877-09-8	Tetrachloro-m-xylene	91%		13-10	52%	
877-09-8	Tetrachloro-m-xylene	93%		13-10	52%	
2051-24-3	Decachlorobiphenyl	144%		10-13	80%	
2051-24-3	Decachlorobiphenyl	91%		10-18	80%	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

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

Page 1 of 1

 Client Sample ID:
 UST-2 (8-8.5)

 Lab Sample ID:
 JE4905-2
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8082A
 SW846 3546
 Percent Solids:
 87.1

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

	File ID	DF	Analyzed	By	<b>Prep Date</b>	<b>Prep Batch</b>	<b>Analytical Batch</b>
Run #1	XX2520396.D	1	02/03/25 18:49	MLC	02/03/25 16:30	OP61251	GXX8810
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

#### **PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016 <sup>a</sup>	ND	38	18	ug/kg	
11104-28-2	Aroclor 1221	ND	38	23	ug/kg	
11141-16-5	Aroclor 1232	ND	38	24	ug/kg	
53469-21-9	Aroclor 1242	ND	38	15	ug/kg	
12672-29-6	Aroclor 1248	ND	38	34	ug/kg	
11097-69-1	Aroclor 1254	ND	38	20	ug/kg	
11096-82-5	Aroclor 1260	ND	38	16	ug/kg	
11100-14-4	Aroclor 1268	ND	38	33	ug/kg	
37324-23-5	Aroclor 1262	ND	38	25	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
877-09-8	Tetrachloro-m-xylene	112%		10-17	74%	
877-09-8	Tetrachloro-m-xylene	105%		10-17	74%	
2051-24-3	Decachlorobiphenyl	98%		10-19	95%	
2051-24-3	Decachlorobiphenyl	107%	10-195%			

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 

Page 1 of 1

Client Sample ID: UST-2 (8-8.5)

Lab Sample ID: JE4905-2

Matrix: SO - Soil

Date Sampled: 01/30/25

Percent Solids: 87.1

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### **Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	21100	58	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Antimony	< 2.3	2.3	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Arsenic	< 2.3	2.3	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Barium	88.1	23	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Beryllium	0.98	0.23	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Cadmium <sup>a</sup>	< 2.9	2.9	mg/kg	5	01/31/25	02/05/25 MM	SW846 6010D <sup>4</sup>	SW846 3050B <sup>5</sup>
Calcium	84700	2900	mg/kg	5	01/31/25	02/05/25 MM	SW846 6010D <sup>4</sup>	SW846 3050B <sup>5</sup>
Chromium	18.1	1.2	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Cobalt	6.9	5.8	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Copper	15.3	2.9	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Iron	15400	58	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Lead	10.0	2.3	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Magnesium	47200	1200	mg/kg	2	01/31/25	02/03/25 MM	SW846 6010D <sup>3</sup>	SW846 3050B <sup>5</sup>
Manganese	338	1.8	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Mercury	0.14	0.034	mg/kg	1	01/31/25	01/31/25 MK	SW846 7471B <sup>1</sup>	SW846 7471B <sup>6</sup>
Nickel	14.9	4.7	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Potassium	13900	1200	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Selenium	< 2.3	2.3	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Silver	< 0.58	0.58	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Sodium	< 1200	1200	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Thallium	< 1.2	1.2	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Vanadium	27.9	5.8	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Zinc	32.6	5.8	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>

(1) Instrument QC Batch: MA57812
(2) Instrument QC Batch: MA57815
(3) Instrument QC Batch: MA57821
(4) Instrument QC Batch: MA57834
(5) Prep QC Batch: MP52479
(6) Prep QC Batch: MP52491

(a) Elevated detection limit due to dilution required for high interfering element.

Page 1 of 1

Client Sample ID: UST-2 (8-8.5) Lab Sample ID: JE4905-2

 JE4905-2
 Date Sampled:
 01/30/25

 SO - Soil
 Date Received:
 01/30/25

 Percent Solids:
 87.1

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **General Chemistry**

Matrix:

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.24	0.24	mg/kg	1	01/31/25 18:56	JD	SW846 9012B/LACHAT
Solids, Percent	87.1		%	1	02/03/25 11:30	DP	SM2540 G 18TH ED MOD

Client Sample ID: UST-3 (9-9.5) Lab Sample ID: JE4905-3

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

**Date Sampled:** 01/30/25 **Matrix:** SO - Soil **Date Received:** 01/30/25 Method: SW846 8260D SW846 5035 **Percent Solids:** 82.7

File ID DF Analyzed By **Prep Date Prep Batch Analytical Batch** Run #1 I264489.D 1 01/31/25 16:27 JN 01/31/25 07:50 VI10642 n/a Run #2

**Initial Weight** 

Run #1 6.0 g

Run #2

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	6.7	10	4.2	ug/kg	J
71-43-2	Benzene	ND	0.50	0.46	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.56	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.43	ug/kg	
75-25-2	Bromoform	ND	5.0	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.77	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.54	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.62	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.46	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	1.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.70	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.56	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.42	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.55	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.73	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.85	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.62	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.48	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.46	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.46	ug/kg	
76-13-1	Freon 113	ND	5.0	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.1	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

 Client Sample ID:
 UST-3 (9-9.5)

 Lab Sample ID:
 JE4905-3
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 82.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q	
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	ŗ	
79-20-9	Methyl Acetate	ND	5.0	1.4	ug/kg	5	
108-87-2	Methylcyclohexane	ND	2.0	0.88	ug/kg	5	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.47	ug/kg	5	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	2.3	ug/kg	5	
75-09-2	Methylene chloride	ND	5.0	2.6	ug/kg	5	
100-42-5	Styrene	ND	2.0	0.41	ug/kg	5	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/kg	5	
127-18-4	Tetrachloroethene	0.60	2.0	0.58	ug/kg	, J	
108-88-3	Toluene	ND	1.0	0.53	ug/kg	5	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/kg	5	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/kg	5	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.49	ug/kg	5	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.56	ug/kg	5	
79-01-6	Trichloroethene	ND	1.0	0.77	ug/kg	,	
75-69-4	Trichlorofluoromethane	ND	5.0	0.69	ug/kg	5	
75-01-4	Vinyl chloride	ND	2.0	0.48	ug/kg	5	
	m, p-Xylene	ND	1.0	0.90	ug/kg	5	
95-47-6	o-Xylene	ND	1.0	0.46	ug/kg	5	
1330-20-7	Xylene (total)	ND	1.0	0.46	ug/kg	Ţ	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	its		
1868-53-7	Dibromofluoromethane	118%		80-12	24%		
17060-07-0	1,2-Dichloroethane-D4	106%		75-13	33%		
2037-26-5	Toluene-D8	95%		79-12	25%		
460-00-4	4-Bromofluorobenzene	92%		58-1	48%		
CAS No.	<b>Tentatively Identified Compo</b>	ounds	R.T.	Est.	Conc.	Units	Q
	Total TIC, Volatile		0		ug/kg		

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

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

22 of 112

Client Sample ID: UST-3 (9-9.5)

 Lab Sample ID:
 JE4905-3
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 82.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 6P520001.D
 1
 02/03/25 16:44
 KH
 02/02/25 16:25
 OP61245
 E6P4359

Run #2

Initial Weight Final Volume

Run #1 31.3 g 1.0 ml

Run #2

#### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	77	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	24	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	69	ug/kg	
51-28-5	2,4-Dinitrophenol <sup>a</sup>	ND	190	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	41	ug/kg	
95-48-7	2-Methylphenol	ND	77	25	ug/kg	
	3&4-Methylphenol	ND	77	32	ug/kg	
88-75-5	2-Nitrophenol <sup>a</sup>	ND	190	26	ug/kg	
100-02-7	4-Nitrophenol	ND	390	100	ug/kg	
87-86-5	Pentachlorophenol	ND	150	36	ug/kg	
108-95-2	Phenol	ND	77	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	29	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	23	ug/kg	
83-32-9	Acenaphthene	ND	39	13	ug/kg	
208-96-8	Acenaphthylene	ND	39	20	ug/kg	
98-86-2	Acetophenone	ND	190	8.3	ug/kg	
120-12-7	Anthracene	ND	39	24	ug/kg	
1912-24-9	Atrazine	ND	77	17	ug/kg	
56-55-3	Benzo(a)anthracene	ND	39	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	39	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	39	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	39	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	39	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	77	15	ug/kg	
85-68-7	Butyl benzyl phthalate <sup>a</sup>	ND	77	9.4	ug/kg	
92-52-4	1,1'-Biphenyl	ND	77	5.3	ug/kg	
100-52-7	Benzaldehyde	ND	190	9.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	77	9.2	ug/kg	
106-47-8	4-Chloroaniline	ND	190	14	ug/kg	
86-74-8	Carbazole	ND	77	5.6	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Client Sample ID: UST-3 (9-9.5) Lab Sample ID: **Date Sampled:** 01/30/25 JE4905-3 **Matrix:** SO - Soil **Date Received:** 01/30/25 Method: Percent Solids: 82.7 SW846 8270E SW846 3546

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam <sup>a</sup>	ND	77	15	ug/kg	
218-01-9	Chrysene	ND	39	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	77	8.3	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	77	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	77	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	77	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	39	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	39	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine <sup>a</sup>	ND	77	32	ug/kg	
123-91-1	1,4-Dioxane	ND	39	26	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	39	17	ug/kg	
132-64-9	Dibenzofuran	ND	77	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	77	6.3	ug/kg	
117-84-0	Di-n-octyl phthalate <sup>a</sup>	ND	77	9.6	ug/kg	
84-66-2	Diethyl phthalate	ND	77	8.2	ug/kg	
131-11-3	Dimethyl phthalate	ND	77	6.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate b	10.9	77	9.0	ug/kg	J
206-44-0	Fluoranthene	ND	39	17	ug/kg	
86-73-7	Fluorene	ND	39	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	77	9.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	390	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	39	18	ug/kg	
78-59-1	Isophorone	ND	77	8.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	39	8.7	ug/kg	
88-74-4	2-Nitroaniline	ND	190	9.1	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.7	ug/kg	
100-01-6	4-Nitroaniline	ND	190	10	ug/kg	
91-20-3	Naphthalene	ND	39	11	ug/kg	
98-95-3	Nitrobenzene	ND	77	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	77	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	ND	39	13	ug/kg	
129-00-0	Pyrene	ND	39	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.8	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	£2 Limits		
267 12 4	2 Eluorophonol	55%		10.00	20%	

367-12-4 2-Fluorophenol 55% 10-99%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

Page 3 of 3

 Client Sample ID:
 UST-3 (9-9.5)

 Lab Sample ID:
 JE4905-3
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 82.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### ABN TCL List (SOM0 2.0)

CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limits		
4165-62-2 118-79-6 4165-60-0 321-60-8 1718-51-0	Phenol-d5 2,4,6-Tribromophenol Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	60% 66% 56% 57% 73%		10-96% 10-123% 10-109% 11-109% 10-120%		
CAS No.	Tentatively Identified Compounds		R.T.	Est. Conc.	Units	Q
	Unknown Alkane Alkane Total TIC, Semi-Volatile		4.63 9.86 10.47	1500 210 210 1920	ug/kg ug/kg ug/kg ug/kg	J J

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

<sup>(</sup>b) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.

Client Sample ID: UST-3 (9-9.5) Lab Sample ID: JE4905-3

 Lab Sample ID:
 JE4905-3
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8081B
 SW846 3546
 Percent Solids:
 82.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 1G205962.D
 1
 02/04/25 05:36 CP
 02/03/25 16:30 OP61250 G1G7403
 G1G7403

Run #2

Initial Weight Final Volume Run #1 15.1 g 10.0 ml

Run #2

#### **Pesticide TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.80	0.66	ug/kg	
319-84-6	alpha-BHC	ND	0.80	0.65	ug/kg	
319-85-7	beta-BHC	ND	0.80	0.72	ug/kg	
319-86-8	delta-BHC	ND	0.80	0.77	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.80	0.59	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.80	0.65	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.80	0.36	ug/kg	
60-57-1	Dieldrin	ND	0.80	0.55	ug/kg	
72-54-8	4,4'-DDD	ND	0.80	0.74	ug/kg	
72-55-9	4,4'-DDE	ND	0.80	0.70	ug/kg	
50-29-3	4,4'-DDT	ND	0.80	0.71	ug/kg	
72-20-8	Endrin	ND	0.80	0.62	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.80	0.63	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.80	0.45	ug/kg	
959-98-8	Endosulfan-I	ND	0.80	0.46	ug/kg	
33213-65-9	Endosulfan-II	ND	0.80	0.50	ug/kg	
76-44-8	Heptachlor	ND	0.80	0.69	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.80	0.56	ug/kg	
72-43-5	Methoxychlor	ND	1.6	0.64	ug/kg	
53494-70-5	Endrin ketone	ND	0.80	0.58	ug/kg	
8001-35-2	Toxaphene	ND	20	19	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Run# 2 Limits		
877-09-8	Tetrachloro-m-xylene	83%		13-1	62%	
877-09-8	Tetrachloro-m-xylene	84%		13-1	62%	
2051-24-3	Decachlorobiphenyl	140%	10-180%			
2051-24-3	Decachlorobiphenyl	97%	10-180%			

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 

Page 1 of 1

 Client Sample ID:
 UST-3 (9-9.5)

 Lab Sample ID:
 JE4905-3
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8082A
 SW846 3546
 Percent Solids:
 82.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Initial Weight Final Volume
Run #1 15.1 g 10.0 ml
Run #2

#### **PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016 <sup>a</sup>	ND	40	19	ug/kg	
11104-28-2	Aroclor 1221	ND	40	25	ug/kg	
11141-16-5	Aroclor 1232	ND	40	26	ug/kg	
53469-21-9	Aroclor 1242	ND	40	16	ug/kg	
12672-29-6	Aroclor 1248	ND	40	36	ug/kg	
11097-69-1	Aroclor 1254	ND	40	22	ug/kg	
11096-82-5	Aroclor 1260	ND	40	17	ug/kg	
11100-14-4	Aroclor 1268	ND	40	35	ug/kg	
37324-23-5	Aroclor 1262	ND	40	26	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	its	
877-09-8	Tetrachloro-m-xylene	107%		10-1	74%	
877-09-8	Tetrachloro-m-xylene	98%		10-1	74%	
2051-24-3	Decachlorobiphenyl	106%		10-19	95%	
2051-24-3	Decachlorobiphenyl	117%	10-195%			

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Independent Detection Limit <math>J = Independent Detection Limit Detection Dete

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Page 1 of 1

Client Sample ID: UST-3 (9-9.5)
Lab Sample ID: JE4905-3
Matrix: SO - Soil
Date Sampled: 01/30/25
Percent Solids: 82.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### **Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	14100	61	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Antimony	< 2.4	2.4	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Arsenic	< 2.4	2.4	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Barium	69.1	24	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Beryllium	0.68	0.24	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Cadmium	< 0.61	0.61	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Calcium	6660	610	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Chromium	18.8	1.2	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Cobalt	13.5	6.1	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Copper	19.9	3.0	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Iron	20000	61	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Lead	10.7	2.4	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Magnesium	8490	610	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Manganese	601	1.8	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Mercury	< 0.035	0.035	mg/kg	1	01/31/25	01/31/25 MK	SW846 7471B <sup>1</sup>	SW846 7471B <sup>5</sup>
Nickel	17.4	4.9	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Potassium	2610	1200	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Selenium	< 2.4	2.4	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Silver	< 0.61	0.61	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Sodium	< 1200	1200	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Thallium	< 1.2	1.2	mg/kg	1	01/31/25	02/05/25 MM	SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Vanadium	25.7	6.1	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Zinc	40.4	6.1	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>

(1) Instrument QC Batch: MA57812
(2) Instrument QC Batch: MA57815
(3) Instrument QC Batch: MA57834
(4) Prep QC Batch: MP52479
(5) Prep QC Batch: MP52491

Page 1 of 1

Client Sample ID: UST-3 (9-9.5) Lab Sample ID: JE4905-3

 JE4905-3
 Date Sampled: 01/30/25

 SO - Soil
 Date Received: 01/30/25

 Percent Solids: 82.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **General Chemistry**

Matrix:

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Solids, Percent	< 0.25 82.7	0.25	mg/kg %	1 1	01/31/25 18:57 02/03/25 11:30		SW846 9012B/LACHAT SM2540 G 18TH ED MOD

Client Sample ID: HF-1 (6.5-7) Lab Sample ID: JE4905-4

 Lab Sample ID:
 JE4905-4
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 88.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 I264490.D
 1
 01/31/25 16:49
 JN
 01/31/25 07:50
 n/a
 VI10642

 Run #2
 VIII
 VIII
 VIII
 VIII
 VIII
 VIII

....

**Initial Weight** 

Run #1 5.5 g

Run #2

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units (	)
67-64-1	Acetone	ND	10	4.2	ug/kg	
71-43-2	Benzene	ND	0.51	0.47	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	0.57	ug/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.44	ug/kg	
75-25-2	Bromoform	ND	5.1	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.1	0.78	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	2.1	0.55	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.1	0.63	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	0.47	ug/kg	
75-00-3	Chloroethane	ND	5.1	0.61	ug/kg	
67-66-3	Chloroform	ND	2.1	1.0	ug/kg	
74-87-3	Chloromethane	ND	5.1	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.1	0.67	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.1	0.71	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.57	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.43	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.56	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.51	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	0.75	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.51	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.48	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.86	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.63	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	0.49	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.49	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.47	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.46	ug/kg	
76-13-1	Freon 113	ND	5.1	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.1	2.2	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

**Date Sampled:** 01/30/25

**Date Received:** 01/30/25

88.6

**Percent Solids:** 

# **Report of Analysis**

**Client Sample ID:** HF-1 (6.5-7) Lab Sample ID: JE4905-4

Matrix: SO - Soil Method: SW846 8260D SW846 5035

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q	
98-82-8	Isopropylbenzene	ND	2.1	1.5	ug/kg	5	
79-20-9	Methyl Acetate	ND	5.1	1.4	ug/kg	;	
108-87-2	Methylcyclohexane	ND	2.1	0.90	ug/kg	;	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.48	ug/kg	;	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.1	2.3	ug/kg	;	
75-09-2	Methylene chloride	ND	5.1	2.7	ug/kg	5	
100-42-5	Styrene	ND	2.1	0.41	ug/kg	5	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	0.61	ug/kg	5	
127-18-4	Tetrachloroethene	ND	2.1	0.60	ug/kg	5	
108-88-3	Toluene	ND	1.0	0.54	ug/kg	5	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.6	ug/kg	5	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.6	ug/kg	5	
71-55-6	1,1,1-Trichloroethane	ND	2.1	0.50	ug/kg	5	
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.57	ug/kg	5	
79-01-6	Trichloroethene	ND	1.0	0.78	ug/kg	,	
75-69-4	Trichlorofluoromethane	ND	5.1	0.70	ug/kg	,	
75-01-4	Vinyl chloride	ND	2.1	0.49	ug/kg	,	
	m,p-Xylene	ND	1.0	0.92	ug/kg	,	
95-47-6	o-Xylene	ND	1.0	0.47	ug/kg	,	
1330-20-7	Xylene (total)	ND	1.0	0.47	ug/kg	5	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its		
1868-53-7	Dibromofluoromethane	117%		80-1	24%		
17060-07-0	1,2-Dichloroethane-D4	107%		75-1	33%		
2037-26-5	Toluene-D8	94%		79-1	25%		
460-00-4	4-Bromofluorobenzene	94%		58-1	48%		
CAS No.	<b>Tentatively Identified Compo</b>	ounds	R.T.	Est.	Conc.	Units	Q
	Total TIC, Volatile			0		ug/kg	

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

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Client Sample ID: HF-1 (6.5-7) Lab Sample ID: JE4905-4

 Lab Sample ID:
 JE4905-4
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 88.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 6P520012.D
 1
 02/03/25 20:14
 KH
 02/02/25 16:25
 OP61245
 E6P4359

Run #2

Initial Weight Final Volume

Run #1 30.1 g 1.0 ml

Run #2

#### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	75	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	67	ug/kg	
51-28-5	2,4-Dinitrophenol <sup>a</sup>	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	40	ug/kg	
95-48-7	2-Methylphenol	ND	75	24	ug/kg	
	3&4-Methylphenol	ND	75	31	ug/kg	
88-75-5	2-Nitrophenol <sup>a</sup>	ND	190	25	ug/kg	
100-02-7	4-Nitrophenol	ND	370	100	ug/kg	
87-86-5	Pentachlorophenol	ND	150	35	ug/kg	
108-95-2	Phenol	ND	75	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	22	ug/kg	
83-32-9	Acenaphthene	ND	37	13	ug/kg	
208-96-8	Acenaphthylene	ND	37	19	ug/kg	
98-86-2	Acetophenone	ND	190	8.1	ug/kg	
120-12-7	Anthracene	ND	37	23	ug/kg	
1912-24-9	Atrazine	ND	75	16	ug/kg	
56-55-3	Benzo(a)anthracene	33.7	37	11	ug/kg	J
50-32-8	Benzo(a)pyrene	30.5	37	17	ug/kg	J
205-99-2	Benzo(b)fluoranthene	39.6	37	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	24.4	37	19	ug/kg	J
207-08-9	Benzo(k)fluoranthene	ND	37	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	75	14	ug/kg	
85-68-7	Butyl benzyl phthalate <sup>a</sup>	ND	75	9.1	ug/kg	
92-52-4	1,1'-Biphenyl	ND	75	5.1	ug/kg	
100-52-7	Benzaldehyde	ND	190	9.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	75	8.9	ug/kg	
106-47-8	4-Chloroaniline	ND	190	13	ug/kg	
86-74-8	Carbazole	ND	75	5.4	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

**Client Sample ID:** HF-1 (6.5-7) Lab Sample ID: **Date Sampled:** 01/30/25 JE4905-4 **Matrix:** SO - Soil **Date Received:** 01/30/25 Method: **Percent Solids:** SW846 8270E SW846 3546 88.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam <sup>a</sup>	ND	75	15	ug/kg	
218-01-9	Chrysene	33.0	37	12	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	75	8.0	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	75	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	75	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	75	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine <sup>a</sup>	ND	75	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	17	ug/kg	
132-64-9	Dibenzofuran	ND	75	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	75	6.1	ug/kg	
117-84-0	Di-n-octyl phthalate <sup>a</sup>	ND	75	9.3	ug/kg	
84-66-2	Diethyl phthalate	ND	75	8.0	ug/kg	
131-11-3	Dimethyl phthalate	ND	75	6.7	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate <sup>b</sup>	21.7	75	8.8	ug/kg	J
206-44-0	Fluoranthene	50.9	37	17	ug/kg	
86-73-7	Fluorene	ND	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	75	9.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	20.0	37	18	ug/kg	J
78-59-1	Isophorone	ND	75	8.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	37	8.5	ug/kg	
88-74-4	2-Nitroaniline	ND	190	8.8	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.4	ug/kg	
100-01-6	4-Nitroaniline	ND	190	9.7	ug/kg	
91-20-3	Naphthalene	ND	37	11	ug/kg	
98-95-3	Nitrobenzene	ND	75	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	75	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	23.8	37	13	ug/kg	J
129-00-0	Pyrene	52.6	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.5	ug/kg	
CAS No	Surrogate Recoveries	Run# 1	Run# 2	I imi	ite	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits

367-12-4 2-Fluorophenol 52% 10-99%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

Page 3 of 3

 Client Sample ID:
 HF-1 (6.5-7)

 Lab Sample ID:
 JE4905-4
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 88.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
4165-62-2	Phenol-d5	55%		10-96%		
118-79-6	2,4,6-Tribromophenol	62%		10-123%		
4165-60-0	Nitrobenzene-d5	58%		10-109%		
321-60-8	2-Fluorobiphenyl	59%		11-109%		
1718-51-0	Terphenyl-d14	68%		10-120%		
CAS No.	Tentatively Identified Compo	ounds	R.T.	Est. Conc.	Units	Q
	n-Hexadecanoic acid		7.98	180	ug/kg	J
	Alkane		9.86	240	ug/kg	J
	Dibenzopyrene		10.26	240	ug/kg	J
	Unknown		10.33	210	ug/kg	J
	Dibenzopyrene		10.36	220	ug/kg	J
	Alkane		10.47	230	ug/kg	
	Dibenzopyrene		10.53	180	ug/kg	J
	Unknown		10.62	230	ug/kg	
	Unknown		10.68	160	ug/kg	
	Alkane		10.77	180	ug/kg	
	Unknown		10.88	230	ug/kg	
	Unknown		14.02	160	ug/kg	
	Total TIC, Semi-Volatile			2460	ug/kg	

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 

<sup>(</sup>b) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.

**Client Sample ID:** HF-1 (6.5-7)

Lab Sample ID: JE4905-4 **Date Sampled:** 01/30/25 **Matrix:** SO - Soil **Date Received:** 01/30/25 Method: SW846 8081B SW846 3546 **Percent Solids:** 88.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

File ID DF **Analytical Batch** Analyzed By **Prep Date Prep Batch** Run #1 02/03/25 16:30 1G205963.D 1 02/04/25 05:52 CP OP61250 G1G7403

Run #2

**Final Volume Initial Weight** Run #1 10.0 ml 15.1 g

Run #2

#### **Pesticide TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.75	0.62	ug/kg	
319-84-6	alpha-BHC	ND	0.75	0.61	ug/kg	
319-85-7	beta-BHC	ND	0.75	0.68	ug/kg	
319-86-8	delta-BHC	ND	0.75	0.72	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.75	0.55	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.75	0.60	ug/kg	
5103-74-2	gamma-Chlordane	0.98	0.75	0.34	ug/kg	
60-57-1	Dieldrin	ND	0.75	0.51	ug/kg	
72-54-8	4,4'-DDD	ND	0.75	0.69	ug/kg	
72-55-9	4,4'-DDE	0.85	0.75	0.66	ug/kg	
50-29-3	4,4'-DDT	2.1	0.75	0.66	ug/kg	
72-20-8	Endrin	ND	0.75	0.58	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.75	0.58	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.75	0.42	ug/kg	
959-98-8	Endosulfan-I	ND	0.75	0.43	ug/kg	
33213-65-9	Endosulfan-II	ND	0.75	0.47	ug/kg	
76-44-8	Heptachlor	ND	0.75	0.64	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.75	0.52	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.59	ug/kg	
53494-70-5	Endrin ketone	ND	0.75	0.54	ug/kg	
8001-35-2	Toxaphene	ND	19	17	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limi	ts	
877-09-8	Tetrachloro-m-xylene	72%		13-16	52%	
877-09-8	Tetrachloro-m-xylene	73%		13-16	52%	
2051-24-3	Decachlorobiphenyl	103%		10-18	30%	
2051-24-3	Decachlorobiphenyl	84%		10-18	30%	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

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

Page 1 of 1

 Client Sample ID:
 HF-1 (6.5-7)

 Lab Sample ID:
 JE4905-4
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8082A
 SW846 3546
 Percent Solids:
 88.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 XX2520440.D
 1
 02/05/25 18:38 MLC
 02/03/25 16:30 OP61251 GXX8812

 Run #2
 GXX8812

Run #1 15.1 g 10.0 ml
Run #2

#### **PCB List**

2051-24-3

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5 11100-14-4	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Aroclor 1268	ND ND ND ND ND 21.4 ND ND	37 37 37 37 37 37 37 37	17 23 24 15 33 20 16 33	ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	J
37324-23-5	Aroclor 1262	ND	37	24	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
877-09-8 877-09-8 2051-24-3	Tetrachloro-m-xylene Tetrachloro-m-xylene Decachlorobiphenyl	96% 90% 66%		10-17 10-17 10-19	74%	

74%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

Decachlorobiphenyl

J = Indicates an estimated value

10-195%

B = Indicates analyte found in associated method blank

Page 1 of 1

 Client Sample ID:
 HF-1 (6.5-7)

 Lab Sample ID:
 JE4905-4
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Percent Solids:
 88.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### **Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	11500	55	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Antimony	< 2.2	2.2	mg/kg	1	01/31/25	01/31/25 MM	2	SW846 3050B <sup>4</sup>
Arsenic	3.7	2.2	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Barium	76.1	22	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Beryllium	0.53	0.22	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Cadmium	< 0.55	0.55	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Calcium	15000	550	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Chromium	13.9	1.1	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Cobalt	8.5	5.5	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Copper	46.3	2.7	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Iron	17500	55	mg/kg	1	01/31/25	01/31/25 MM	2	SW846 3050B <sup>4</sup>
Lead	67.7	2.2	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Magnesium	13500	550	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Manganese	425	1.6	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Mercury	0.12	0.034	mg/kg	1	01/31/25	01/31/25 MK	SW846 7471B <sup>1</sup>	SW846 7471B <sup>5</sup>
Nickel	14.2	4.4	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Potassium	1130	1100	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Selenium	< 2.2	2.2	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Silver	< 0.55	0.55	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Sodium	< 1100	1100	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Thallium	< 1.1	1.1	mg/kg	1	01/31/25	02/05/25 MM	SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Vanadium	35.0	5.5	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Zinc	77.8	5.5	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>

(1) Instrument QC Batch: MA57812
(2) Instrument QC Batch: MA57815
(3) Instrument QC Batch: MA57834
(4) Prep QC Batch: MP52479
(5) Prep QC Batch: MP52491

Page 1 of 1

Client Sample ID: HF-1 (6.5-7)
Lab Sample ID: JE4905-4
Matrix: SO - Soil

Date Sampled: 01/30/25 Date Received: 01/30/25 Percent Solids: 88.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.24	0.24	mg/kg	1	01/31/25 18:58	3 JD	SW846 9012B/LACHAT
Solids, Percent	88.6		%	1	02/03/25 11:30	) DP	SM2540 G 18TH ED MOD

Client Sample ID: HF-2 (2-2.5) Lab Sample ID: JE4905-5

 Lab Sample ID:
 JE4905-5
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 87.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 I264491.D
 1
 01/31/25 17:11 JN
 01/31/25 07:50 n/a
 VI10642

Run #2

**Initial Weight** 

Run #1 5.9 g

Run #2

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units Q
67-64-1	Acetone	ND	9.7	4.0	ug/kg
71-43-2	Benzene	ND	0.48	0.44	ug/kg
74-97-5	Bromochloromethane	ND	4.8	0.54	ug/kg
75-27-4	Bromodichloromethane	ND	1.9	0.42	ug/kg
75-25-2	Bromoform	ND	4.8	1.3	ug/kg
74-83-9	Bromomethane	ND	4.8	0.74	ug/kg
78-93-3	2-Butanone (MEK)	ND	9.7	2.4	ug/kg
75-15-0	Carbon disulfide	ND	1.9	0.52	ug/kg
56-23-5	Carbon tetrachloride	ND	1.9	0.60	ug/kg
108-90-7	Chlorobenzene	ND	1.9	0.44	ug/kg
75-00-3	Chloroethane	ND	4.8	0.57	ug/kg
67-66-3	Chloroform	ND	1.9	0.97	ug/kg
74-87-3	Chloromethane	ND	4.8	1.9	ug/kg
110-82-7	Cyclohexane	ND	1.9	0.64	ug/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.67	ug/kg
124-48-1	Dibromochloromethane	ND	1.9	0.54	ug/kg
106-93-4	1,2-Dibromoethane	ND	0.97	0.41	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	0.97	0.53	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	0.97	0.48	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	0.97	0.48	ug/kg
75-71-8	Dichlorodifluoromethane	ND	4.8	0.70	ug/kg
75-34-3	1,1-Dichloroethane	ND	0.97	0.48	ug/kg
107-06-2	1,2-Dichloroethane	ND	0.97	0.45	ug/kg
75-35-4	1,1-Dichloroethene	ND	0.97	0.63	ug/kg
156-59-2	cis-1,2-Dichloroethene	ND	0.97	0.81	ug/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.97	0.59	ug/kg
78-87-5	1,2-Dichloropropane	ND	1.9	0.46	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.46	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.44	ug/kg
100-41-4	Ethylbenzene	ND	0.97	0.44	ug/kg
76-13-1	Freon 113	ND	4.8	2.6	ug/kg
591-78-6	2-Hexanone	ND	4.8	2.1	ug/kg

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

**Date Sampled:** 01/30/25

**Date Received:** 01/30/25

Percent Solids: 87.6

# **Report of Analysis**

Client Sample ID: HF-2 (2-2.5)
Lab Sample ID: JE4905-5
Matrix: SO - Soil

**Method:** SW846 8260D SW846 5035

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q	
98-82-8	Isopropylbenzene	ND	1.9	1.4	ug/kg	5	
79-20-9	Methyl Acetate	ND	4.8	1.3	ug/kg	,	
108-87-2	Methylcyclohexane	ND	1.9	0.85	ug/kg	5	
1634-04-4	Methyl Tert Butyl Ether	ND	0.97	0.45	ug/kg	5	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.8	2.2	ug/kg	;	
75-09-2	Methylene chloride	ND	4.8	2.5	ug/kg	;	
100-42-5	Styrene	ND	1.9	0.39	ug/kg	5	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.58	ug/kg	5	
127-18-4	Tetrachloroethene	ND	1.9	0.56	ug/kg	;	
108-88-3	Toluene	ND	0.97	0.51	ug/kg	;	
87-61-6	1,2,3-Trichlorobenzene	ND	4.8	2.4	ug/kg	5	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	2.4	ug/kg	;	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.47	ug/kg	;	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.54	ug/kg	;	
79-01-6	Trichloroethene	ND	0.97	0.74	ug/kg	5	
75-69-4	Trichlorofluoromethane	ND	4.8	0.66	ug/kg	5	
75-01-4	Vinyl chloride	ND	1.9	0.47	ug/kg	;	
	m,p-Xylene	ND	0.97	0.87	ug/kg	;	
95-47-6	o-Xylene	ND	0.97	0.44	ug/kg	;	
1330-20-7	Xylene (total)	ND	0.97	0.44	ug/kg	5	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its		
1868-53-7	Dibromofluoromethane	118%		80-1	24%		
17060-07-0	1,2-Dichloroethane-D4	111%		75-1	33%		
2037-26-5	Toluene-D8	95%		79-1	25%		
460-00-4	4-Bromofluorobenzene	93%		58-1	48%		
CAS No.	<b>Tentatively Identified Compounds</b>		R.T.	Est.	Conc.	Units	Q
	Total TIC, Volatile			0		ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 

**Date Sampled:** 01/30/25

### **Report of Analysis**

Client Sample ID: HF-2 (2-2.5) Lab Sample ID: JE4905-5

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 87.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 6P520013.D
 1
 02/03/25 20:34 KH
 02/02/25 16:25 OP61245
 E6P4359

Run #2

Initial Weight Final Volume

Run #1 30.6 g 1.0 ml

Run #2

#### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	75	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	66	ug/kg	
51-28-5	2,4-Dinitrophenol <sup>a</sup>	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	40	ug/kg	
95-48-7	2-Methylphenol	ND	75	24	ug/kg	
	3&4-Methylphenol	ND	75	31	ug/kg	
88-75-5	2-Nitrophenol <sup>a</sup>	ND	190	25	ug/kg	
100-02-7	4-Nitrophenol	ND	370	100	ug/kg	
87-86-5	Pentachlorophenol	ND	150	35	ug/kg	
108-95-2	Phenol	ND	75	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	22	ug/kg	
83-32-9	Acenaphthene	ND	37	13	ug/kg	
208-96-8	Acenaphthylene	51.7	37	19	ug/kg	
98-86-2	Acetophenone	ND	190	8.0	ug/kg	
120-12-7	Anthracene	ND	37	23	ug/kg	
1912-24-9	Atrazine	ND	75	16	ug/kg	
56-55-3	Benzo(a)anthracene	97.6	37	11	ug/kg	
50-32-8	Benzo(a)pyrene	123	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	191	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	126	37	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	75.1	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	75	14	ug/kg	
85-68-7	Butyl benzyl phthalate <sup>b</sup>	35.6	75	9.1	ug/kg	J
92-52-4	1,1'-Biphenyl	ND	75	5.1	ug/kg	
100-52-7	Benzaldehyde	ND	190	9.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	75	8.9	ug/kg	
106-47-8	4-Chloroaniline	ND	190	13	ug/kg	
86-74-8	Carbazole	12.5	75	5.4	ug/kg	J

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Client Sample ID: HF-2 (2-2.5) Lab Sample ID: **Date Sampled:** 01/30/25 JE4905-5 **Matrix:** SO - Soil **Date Received:** 01/30/25 Method: **Percent Solids:** SW846 8270E SW846 3546 87.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam <sup>a</sup>	ND	75	15	ug/kg	
218-01-9	Chrysene	137	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	75	8.0	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	75	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	75	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	75	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine <sup>a</sup>	ND	75	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	29.3	37	16	ug/kg	J
132-64-9	Dibenzofuran	ND	75	15	ug/kg	
84-74-2	Di-n-butyl phthalate	8.0	75	6.1	ug/kg	J
117-84-0	Di-n-octyl phthalate <sup>a</sup>	ND	75	9.3	ug/kg	
84-66-2	Diethyl phthalate	ND	75	7.9	ug/kg	
131-11-3	Dimethyl phthalate	ND	75	6.6	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate <sup>b</sup>	35.2	75	8.7	ug/kg	J
206-44-0	Fluoranthene	185	37	17	ug/kg	
86-73-7	Fluorene	ND	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	75	9.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	93.8	37	17	ug/kg	
78-59-1	Isophorone	ND	75	8.0	ug/kg	
91-57-6	2-Methylnaphthalene	17.7	37	8.4	ug/kg	J
88-74-4	2-Nitroaniline	ND	190	8.8	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.3	ug/kg	
100-01-6	4-Nitroaniline	ND	190	9.7	ug/kg	
91-20-3	Naphthalene	17.1	37	11	ug/kg	J
98-95-3	Nitrobenzene	ND	75	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	75	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	63.2	37	13	ug/kg	
129-00-0	Pyrene	153	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.5	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Lim	its	

367-12-4 2-Fluorophenol 50% 10-99%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Page 3 of 3

**Date Sampled:** 01/30/25

**Date Received:** 01/30/25

**Percent Solids:** 87.6

Client Sample ID: HF-2 (2-2.5) Lab Sample ID: JE4905-5 Matrix: SO - Soil

**Method:** SW846 8270E SW846 3546

Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

**Project:** 

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
4165-62-2 118-79-6 4165-60-0 321-60-8 1718-51-0	Phenol-d5 2,4,6-Tribromophenol Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	52% 63% 56% 58% 57%		10-96% 10-123% 10-109% 11-109% 10-120%		
CAS No.	<b>Tentatively Identified Compounds</b>		R.T.	Est. Conc.	Units	Q
	Unknown acid Unknown Unknown Alkane Unknown Alkane Unknown Total TIC, Semi-Volatile		7.96 8.15 9.86 10.48 10.63 10.77 10.87 10.90 11.05 11.11 11.15 11.20 11.25 11.43 11.49 11.60 11.68 11.80 11.84 11.97 12.34 12.47 12.82 12.88	220 150 180 280 160 420 200 310 200 760 270 180 420 310 320 590 190 230 330 220 190 180 250 190 250 250 250 250 250 250 250 25	ug/kg ug/kg	1 1 1 1 1 1 1 1 1 1

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

 $N = \ Indicates \ presumptive \ evidence \ of \ a \ compound$ 

<sup>(</sup>b) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.

Client Sample ID: HF-2 (2-2.5) Lab Sample ID: JE4905-5

 Lab Sample ID:
 JE4905-5
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8081B
 SW846 3546
 Percent Solids:
 87.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 1G205970.D
 1
 02/04/25 07:43 CP
 02/03/25 16:30 OP61250 G1G7403
 G1G7403

Run #2

Initial Weight Final Volume
Run #1 16.5 g 10.0 ml

Run #2

#### **Pesticide TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.69	0.57	ug/kg	
319-84-6	alpha-BHC	ND	0.69	0.56	ug/kg	
319-85-7	beta-BHC	ND	0.69	0.63	ug/kg	
319-86-8	delta-BHC	ND	0.69	0.66	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.69	0.51	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.69	0.56	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.69	0.31	ug/kg	
60-57-1	Dieldrin	ND	0.69	0.48	ug/kg	
72-54-8	4,4'-DDD	ND	0.69	0.64	ug/kg	
72-55-9	4,4'-DDE <sup>a</sup>	1.2	0.69	0.61	ug/kg	
50-29-3	4,4'-DDT	5.0	0.69	0.61	ug/kg	
72-20-8	Endrin	ND	0.69	0.54	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.69	0.54	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.69	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.69	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	0.69	0.43	ug/kg	
76-44-8	Heptachlor	ND	0.69	0.60	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.69	0.48	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.55	ug/kg	
53494-70-5	Endrin ketone	ND	0.69	0.50	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2 Limits			
877-09-8	Tetrachloro-m-xylene	86%		13-1	62%	
877-09-8	Tetrachloro-m-xylene	100%		13-1	62%	
2051-24-3	Decachlorobiphenyl	85%		10-1	80%	
2051-24-3	Decachlorobiphenyl	80%	10-180%			

<sup>(</sup>a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 

Page 1 of 1

 Client Sample ID:
 HF-2 (2-2.5)

 Lab Sample ID:
 JE4905-5
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8082A
 SW846 3546
 Percent Solids:
 87.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

	File ID	DF	Analyzed	$\mathbf{B}\mathbf{y}$	<b>Prep Date</b>	<b>Prep Batch</b>	<b>Analytical Batch</b>
Run #1	XX2520441.D	1	02/05/25 18:56	MLC	02/03/25 16:30	OP61251	GXX8812
Run #2							

	Initial Weight	Final Volume
Run #1	16.5 g	10.0 ml
Run #2	-	

#### **PCB List**

2051-24-3

2051-24-3

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	16	ug/kg	
11104-28-2	Aroclor 1221	ND	35	21	ug/kg	
11141-16-5	Aroclor 1232	ND	35	22	ug/kg	
53469-21-9	Aroclor 1242	ND	35	14	ug/kg	
12672-29-6	Aroclor 1248	ND	35	31	ug/kg	
11097-69-1	Aroclor 1254	ND	35	19	ug/kg	
11096-82-5	Aroclor 1260 a	18.5	35	15	ug/kg	J
11100-14-4	Aroclor 1268	ND	35	30	ug/kg	
37324-23-5	Aroclor 1262	ND	35	23	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	its	
077 00 0	m . 11	1110/		10.1	7.40/	
877-09-8	Tetrachloro-m-xylene	111%		10-1		
877-09-8	Tetrachloro-m-xylene	105%		10-1	74%	

72%

73%

10-195%

10-195%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

Decachlorobiphenyl

Decachlorobiphenyl

B = Indicates analyte found in associated method blank

<sup>(</sup>a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

Page 1 of 1

Client Sample ID: HF-2 (2-2.5)
Lab Sample ID: JE4905-5
Matrix: SO - Soil
Date Sampled: 01/30/25
Percent Solids: 87.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	10500	57	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Antimony	< 2.3	2.3	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Arsenic	4.7	2.3	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Barium	134	23	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Beryllium	0.59	0.23	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Cadmium <sup>a</sup>	< 2.8	2.8	mg/kg	5	01/31/25	02/03/25 MM	SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Calcium	62100	2800	mg/kg	5	01/31/25	02/03/25 MM	SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Chromium	13.2	1.1	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Cobalt	5.8	5.7	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Copper	28.2	2.8	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Iron	14500	57	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Lead	326	2.3	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Magnesium	37400	2800	mg/kg	5	01/31/25	02/03/25 MM	SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Manganese	406	1.7	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Mercury	0.41	0.031	mg/kg	1	01/31/25	01/31/25 MK	SW846 7471B <sup>1</sup>	SW846 7471B <sup>5</sup>
Nickel	12.0	4.6	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Potassium	1310	1100	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Selenium	< 2.3	2.3	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Silver	< 0.57	0.57	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Sodium	< 1100	1100	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Thallium	< 1.1	1.1	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Vanadium	27.6	5.7	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Zinc	139	5.7	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>

(1) Instrument QC Batch: MA57812
(2) Instrument QC Batch: MA57815
(3) Instrument QC Batch: MA57821
(4) Prep QC Batch: MP52479
(5) Prep QC Batch: MP52491

(a) Elevated detection limit due to dilution required for high interfering element.

Page 1 of 1

Client Sample ID: HF-2 (2-2.5) Lab Sample ID: JE4905-5 Matrix: SO - Soil

Date Sampled: 01/30/25 Date Received: 01/30/25 Percent Solids: 87.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.23	0.23	mg/kg	1	01/31/25 19:01	JD	SW846 9012B/LACHAT
Solids, Percent	87.6		%	1	02/03/25 11:30	DP	SM2540 G 18TH ED MOD

# **Report of Analysis**

Client Sample ID: HF-3 (3.5-4) Lab Sample ID: JE4905-6

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 86.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 1264492.D
 1
 01/31/25 17:33
 JN
 01/31/25 07:50
 n/a
 VI10642

Run #2

**Initial Weight** 

Run #1 5.6 g

Run #2

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.3	ug/kg	
71-43-2	Benzene	ND	0.51	0.47	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	0.58	ug/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.44	ug/kg	
75-25-2	Bromoform	ND	5.1	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.1	0.79	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	2.1	0.55	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.1	0.64	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	0.47	ug/kg	
75-00-3	Chloroethane	ND	5.1	0.61	ug/kg	
67-66-3	Chloroform	ND	2.1	1.0	ug/kg	
74-87-3	Chloromethane	ND	5.1	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.1	0.68	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.1	0.71	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.58	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.43	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.56	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.51	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	0.75	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.51	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.48	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.87	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.63	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	0.49	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.49	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.47	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.47	ug/kg	
76-13-1	Freon 113	ND	5.1	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.1	2.2	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

**Date Received:** 01/30/25

86.7

**Percent Solids:** 

# **Report of Analysis**

Client Sample ID: HF-3 (3.5-4) Lab Sample ID: JE4905-6 Matrix: SO - Soil

**Method:** SW846 8260D SW846 5035

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q	
98-82-8	Isopropylbenzene	ND	2.1	1.5	ug/kg	<b>y</b>	
79-20-9	Methyl Acetate	ND	5.1	1.4	ug/kg	<u>,                                     </u>	
108-87-2	Methylcyclohexane	ND	2.1	0.90	ug/kg	<u>,                                     </u>	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.48	ug/kg	g	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.1	2.3	ug/kg	<u> </u>	
75-09-2	Methylene chloride	3.5	5.1	2.7	ug/kg	g J	
100-42-5	Styrene	ND	2.1	0.41	ug/kg	g	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	0.62	ug/kg	<u> </u>	
127-18-4	Tetrachloroethene	8.2	2.1	0.60	ug/kg	<u> </u>	
108-88-3	Toluene	ND	1.0	0.54	ug/kg	<u> </u>	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.6	ug/kg	<u> </u>	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.6	ug/kg	g	
71-55-6	1,1,1-Trichloroethane	ND	2.1	0.50	ug/kg	7	
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.57	ug/kg	7	
79-01-6	Trichloroethene	ND	1.0	0.78	ug/kg	g	
75-69-4	Trichlorofluoromethane	ND	5.1	0.70	ug/kg	g	
75-01-4	Vinyl chloride	ND	2.1	0.50	ug/kg	7	
	m,p-Xylene	ND	1.0	0.92	ug/kg	7	
95-47-6	o-Xylene	ND	1.0	0.47	ug/kg	7	
1330-20-7	Xylene (total)	ND	1.0	0.47	ug/kg	Ţ,	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Lir	nits		
1868-53-7	Dibromofluoromethane	119%		80-	124%		
17060-07-0	1,2-Dichloroethane-D4	111%		75-	133%		
2037-26-5	Toluene-D8	94%		79-	125%		
460-00-4	4-Bromofluorobenzene	92%		58-	148%		
CAS No.	<b>Tentatively Identified Compounds</b>		R.T.	Est	. Conc.	Units	Q
	Total TIC, Volatile			0		ug/kg	

ND = Not detected MDL = Met

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Client Sample ID: HF-3 (3.5-4) Lab Sample ID: JE4905-6

 Lab Sample ID:
 JE4905-6
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 86.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 6P520002.D
 1
 02/03/25 17:03
 KH
 02/02/25 16:25
 OP61245
 E6P4359

Run #2

Initial Weight Final Volume

Run #1 31.2 g 1.0 ml

Run #2

### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	74	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	66	ug/kg	
51-28-5	2,4-Dinitrophenol <sup>a</sup>	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	40	ug/kg	
95-48-7	2-Methylphenol	ND	74	24	ug/kg	
	3&4-Methylphenol	ND	74	30	ug/kg	
88-75-5	2-Nitrophenol <sup>a</sup>	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	370	99	ug/kg	
87-86-5	Pentachlorophenol	ND	150	35	ug/kg	
108-95-2	Phenol	ND	74	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	ND	37	13	ug/kg	
208-96-8	Acenaphthylene	ND	37	19	ug/kg	
98-86-2	Acetophenone	ND	180	7.9	ug/kg	
120-12-7	Anthracene	ND	37	23	ug/kg	
1912-24-9	Atrazine	ND	74	16	ug/kg	
56-55-3	Benzo(a)anthracene	78.5	37	10	ug/kg	
50-32-8	Benzo(a)pyrene	82.8	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	107	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	53.1	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	41.6	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	74	14	ug/kg	
85-68-7	Butyl benzyl phthalate <sup>a</sup>	ND	74	9.0	ug/kg	
92-52-4	1,1'-Biphenyl	ND	74	5.1	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.2	ug/kg	
91-58-7	2-Chloronaphthalene	ND	74	8.8	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	74	5.4	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

**Client Sample ID:** HF-3 (3.5-4) Lab Sample ID: **Date Sampled:** 01/30/25 JE4905-6 Matrix: SO - Soil **Date Received:** 01/30/25 Method: **Percent Solids:** SW846 8270E SW846 3546 86.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam <sup>a</sup>	ND	74	15	ug/kg	
218-01-9	Chrysene	74.2	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	74	7.9	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	74	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine <sup>a</sup>	ND	74	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	16	ug/kg	
132-64-9	Dibenzofuran	ND	74	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	74	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate <sup>a</sup>	ND	74	9.2	ug/kg	
84-66-2	Diethyl phthalate	ND	74	7.9	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	6.6	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate <sup>b</sup>	18.1	74	8.7	ug/kg	J
206-44-0	Fluoranthene	103	37	16	ug/kg	
86-73-7	Fluorene	ND	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	74	9.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	38.2	37	17	ug/kg	
78-59-1	Isophorone	ND	74	7.9	ug/kg	
91-57-6	2-Methylnaphthalene	ND	37	8.4	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.7	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.2	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.6	ug/kg	
91-20-3	Naphthalene	ND	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	74	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	14	ug/kg	
85-01-8	Phenanthrene	24.8	37	12	ug/kg	J
129-00-0	Pyrene	122	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.4	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	its	

367-12-4 2-Fluorophenol 62% 10-99%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Page 3 of 3

 Client Sample ID:
 HF-3 (3.5-4)

 Lab Sample ID:
 JE4905-6
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 86.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limits		
4165-62-2 118-79-6 4165-60-0 321-60-8 1718-51-0	Phenol-d5 2,4,6-Tribromophenol Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	68% 74% 66% 65% 78%		10-96% 10-123% 10-109% 11-109% 10-120%		
CAS No.	<b>Tentatively Identified Compo</b>	ounds	R.T.	Est. Conc.	Units	Q
	Unknown Unknown Total TIC, Semi-Volatile		4.63 4.66	1500 230 1730	ug/kg ug/kg ug/kg	J

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

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

52 of 112

<sup>(</sup>b) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.

Client Sample ID: HF-3 (3.5-4) Lab Sample ID: JE4905-6

 Lab Sample ID:
 JE4905-6
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8081B
 SW846 3546
 Percent Solids:
 86.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 1G205964.D
 1
 02/04/25 06:08
 CP
 02/03/25 16:30
 OP61250
 G1G7403

Run #2

Initial Weight Final Volume
Run #1 15.5 g 10.0 ml

Run #2

#### **Pesticide TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.74	0.61	ug/kg	
319-84-6	alpha-BHC	ND	0.74	0.60	ug/kg	
319-85-7	beta-BHC	ND	0.74	0.67	ug/kg	
319-86-8	delta-BHC	ND	0.74	0.71	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.74	0.55	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.74	0.60	ug/kg	
5103-74-2	gamma-Chlordane <sup>a</sup>	1.9	0.74	0.34	ug/kg	
60-57-1	Dieldrin	ND	0.74	0.51	ug/kg	
72-54-8	4,4'-DDD	ND	0.74	0.68	ug/kg	
72-55-9	4,4'-DDE	ND	0.74	0.65	ug/kg	
50-29-3	4,4'-DDT	ND	0.74	0.66	ug/kg	
72-20-8	Endrin	ND	0.74	0.58	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.74	0.58	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.74	0.42	ug/kg	
959-98-8	Endosulfan-I	ND	0.74	0.43	ug/kg	
33213-65-9	Endosulfan-II	ND	0.74	0.46	ug/kg	
76-44-8	Heptachlor	ND	0.74	0.64	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.74	0.52	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.59	ug/kg	
53494-70-5	Endrin ketone	ND	0.74	0.54	ug/kg	
8001-35-2	Toxaphene	ND	19	17	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Run# 2 Limits		
877-09-8	Tetrachloro-m-xylene	78%		13-16	52%	
877-09-8	Tetrachloro-m-xylene	101%		13-16	52%	
2051-24-3	Decachlorobiphenyl	156%		10-18	80%	
2051-24-3	Decachlorobiphenyl	98%		10-18	80%	

<sup>(</sup>a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

Page 1 of 1

 Client Sample ID:
 HF-3 (3.5-4)

 Lab Sample ID:
 JE4905-6
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8082A
 SW846 3546
 Percent Solids:
 86.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 XX2520399.D
 1
 02/03/25 19:42
 MLC
 02/03/25 16:30
 OP61251
 GXX8810

 Run #2
 GXX8810
 OP61251
 OP61251
 OP61251
 OP61251

Initial Weight Final Volume
Run #1 15.5 g 10.0 ml
Run #2

#### **PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016 <sup>a</sup>	ND	37	17	ug/kg	
11104-28-2	Aroclor 1221	ND	37	23	ug/kg	
11141-16-5	Aroclor 1232	ND	37	24	ug/kg	
53469-21-9	Aroclor 1242	ND	37	15	ug/kg	
12672-29-6	Aroclor 1248	ND	37	33	ug/kg	
11097-69-1	Aroclor 1254	ND	37	20	ug/kg	
11096-82-5	Aroclor 1260	ND	37	16	ug/kg	
11100-14-4	Aroclor 1268	ND	37	33	ug/kg	
37324-23-5	Aroclor 1262	ND	37	24	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limi	ts	
877-09-8	Tetrachloro-m-xylene	109%		10-17	74%	
877-09-8	Tetrachloro-m-xylene	102%		10-17	74%	
2051-24-3	Decachlorobiphenyl	69%		10-19	95%	
2051-24-3	Decachlorobiphenyl	78%		10-19	95%	

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

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

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Page 1 of 1

Client Sample ID: HF-3 (3.5-4)
Lab Sample ID: JE4905-6
Matrix: SO - Soil
Date Sampled: 01/30/25
Date Received: 01/30/25
Percent Solids: 86.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	20000	58	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Antimony	< 2.3	2.3	mg/kg	1	01/31/25	01/31/25 MM	2	SW846 3050B <sup>3</sup>
Arsenic	3.4	2.3	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Barium	78.9	23	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.86	0.23	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 0.58	0.58	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Calcium	7810	580	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Chromium	25.1	1.2	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Cobalt	15.2	5.8	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Copper	25.1	2.9	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Iron	21500	58	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Lead	67.9	2.3	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Magnesium	29400	580	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Manganese	435	1.7	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Mercury	0.29	0.036	mg/kg	1	01/31/25	01/31/25 MK	SW846 7471B <sup>1</sup>	SW846 7471B <sup>4</sup>
Nickel	30.7	4.6	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Potassium	4850	1200	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Selenium	< 2.3	2.3	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Silver	< 0.58	0.58	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Sodium	< 1200	1200	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Thallium	< 1.2	1.2	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Vanadium	32.5	5.8	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Zinc	92.0	5.8	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA57812(2) Instrument QC Batch: MA57815(3) Prep QC Batch: MP52479(4) Prep QC Batch: MP52491

Page 1 of 1

Client Sample ID: HF-3 (3.5-4) Lab Sample ID: JE4905-6 Matrix: SO - Soil

Date Sampled: 01/30/25 Date Received: 01/30/25 Percent Solids: 86.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.33	0.33	mg/kg	1	01/31/25 19:02	JD	SW846 9012B/LACHAT
Solids, Percent	86.7		%	1	02/03/25 11:30	DP	SM2540 G 18TH ED MOD

Client Sample ID: HF-4 (0.5-1) Lab Sample ID: JE4905-7

 Lab Sample ID:
 JE4905-7
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 81.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 1264493.D
 1
 01/31/25 17:55
 JN
 01/31/25 07:50
 n/a
 VI10642

Run #2

**Initial Weight** 

Run #1 5.2 g

Run #2

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units Q
67-64-1	Acetone	ND	12	4.9	ug/kg
71-43-2	Benzene	ND	0.59	0.54	ug/kg
74-97-5	Bromochloromethane	ND	5.9	0.66	ug/kg
75-27-4	Bromodichloromethane	ND	2.4	0.51	ug/kg
75-25-2	Bromoform	ND	5.9	1.6	ug/kg
74-83-9	Bromomethane	ND	5.9	0.90	ug/kg
78-93-3	2-Butanone (MEK)	ND	12	2.9	ug/kg
75-15-0	Carbon disulfide	ND	2.4	0.63	ug/kg
56-23-5	Carbon tetrachloride	ND	2.4	0.73	ug/kg
108-90-7	Chlorobenzene	ND	2.4	0.54	ug/kg
75-00-3	Chloroethane	ND	5.9	0.70	ug/kg
67-66-3	Chloroform	ND	2.4	1.2	ug/kg
74-87-3	Chloromethane	ND	5.9	2.3	ug/kg
110-82-7	Cyclohexane	ND	2.4	0.77	ug/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.4	0.82	ug/kg
124-48-1	Dibromochloromethane	ND	2.4	0.66	ug/kg
106-93-4	1,2-Dibromoethane	ND	1.2	0.50	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.64	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.58	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.58	ug/kg
75-71-8	Dichlorodifluoromethane	ND	5.9	0.86	ug/kg
75-34-3	1,1-Dichloroethane	ND	1.2	0.58	ug/kg
107-06-2	1,2-Dichloroethane	ND	1.2	0.55	ug/kg
75-35-4	1,1-Dichloroethene	ND	1.2	0.77	ug/kg
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.99	ug/kg
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.72	ug/kg
78-87-5	1,2-Dichloropropane	ND	2.4	0.56	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.56	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.54	ug/kg
100-41-4	Ethylbenzene	ND	1.2	0.53	ug/kg
76-13-1	Freon 113	ND	5.9	3.1	ug/kg
591-78-6	2-Hexanone	ND	5.9	2.5	ug/kg

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

**Date Received:** 01/30/25

Percent Solids: 81.6

# **Report of Analysis**

Client Sample ID: HF-4 (0.5-1) Lab Sample ID: JE4905-7

 Matrix:
 SO - Soil

 Method:
 SW846 8260D
 SW846 5035

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q	
98-82-8	Isopropylbenzene	ND	2.4	1.7	ug/kg	5	
79-20-9	Methyl Acetate	ND	5.9	1.6	ug/kg	5	
108-87-2	Methylcyclohexane	ND	2.4	1.0	ug/kg	5	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.55	ug/kg	5	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.9	2.7	ug/kg	5	
75-09-2	Methylene chloride	ND	5.9	3.1	ug/kg	;	
100-42-5	Styrene	ND	2.4	0.47	ug/kg	,	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.71	ug/kg	,	
127-18-4	Tetrachloroethene	ND	2.4	0.68	ug/kg	,	
108-88-3	Toluene	ND	1.2	0.62	ug/kg	5	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	2.9	ug/kg	5	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	2.9	ug/kg	5	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.57	ug/kg	,	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.65	ug/kg	5	
79-01-6	Trichloroethene	ND	1.2	0.90	ug/kg	Ţ	
75-69-4	Trichlorofluoromethane	ND	5.9	0.81	ug/kg	,	
75-01-4	Vinyl chloride	ND	2.4	0.57	ug/kg	,	
	m,p-Xylene	ND	1.2	1.1	ug/kg	,	
95-47-6	o-Xylene	ND	1.2	0.54	ug/kg	,	
1330-20-7	Xylene (total)	ND	1.2	0.54	ug/kg	5	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its		
1868-53-7	Dibromofluoromethane	120%		80-1	24%		
17060-07-0	1,2-Dichloroethane-D4	109%		75-1	33%		
2037-26-5	Toluene-D8	98%		79-1	25%		
460-00-4	4-Bromofluorobenzene	91%		58-1	48%		
CAS No.	Tentatively Identified Compo	ounds	R.T.	Est.	Conc.	Units	Q
	Total TIC, Volatile			0		ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

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

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Client Sample ID: HF-4 (0.5-1)Lab Sample ID: JE4905-7

**Date Sampled:** 01/30/25 Matrix: SO - Soil **Date Received:** 01/30/25 Method: SW846 8270E SW846 3546 Percent Solids: 81.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

File ID DF Analyzed By **Prep Date Prep Batch Analytical Batch** Run #1 6P520014.D 1 02/03/25 20:53 KH 02/02/25 16:25 OP61245 E6P4359

Run #2

**Final Volume Initial Weight** 

Run #1 1.0 ml 30.2 g

Run #2

### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	81	20	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	25	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	72	ug/kg	
51-28-5	2,4-Dinitrophenol <sup>a</sup>	ND	200	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	200	43	ug/kg	
95-48-7	2-Methylphenol	ND	81	26	ug/kg	
	3&4-Methylphenol	ND	81	33	ug/kg	
88-75-5	2-Nitrophenol <sup>a</sup>	ND	200	27	ug/kg	
100-02-7	4-Nitrophenol	ND	410	110	ug/kg	
87-86-5	Pentachlorophenol	ND	160	38	ug/kg	
108-95-2	Phenol	ND	81	21	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	200	27	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	30	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	24	ug/kg	
83-32-9	Acenaphthene	69.2	41	14	ug/kg	
208-96-8	Acenaphthylene	35.1	41	21	ug/kg	J
98-86-2	Acetophenone	24.4	200	8.7	ug/kg	J
120-12-7	Anthracene	308	41	25	ug/kg	
1912-24-9	Atrazine	ND	81	17	ug/kg	
56-55-3	Benzo(a)anthracene	2250	41	11	ug/kg	
50-32-8	Benzo(a)pyrene	3060	41	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	3350	41	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	2560	41	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	1160	41	19	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	81	16	ug/kg	
85-68-7	Butyl benzyl phthalate <sup>b</sup>	20.6	81	9.9	ug/kg	J
92-52-4	1,1'-Biphenyl	7.2	81	5.6	ug/kg	J
100-52-7	Benzaldehyde	25.9	200	10	ug/kg	J
91-58-7	2-Chloronaphthalene	ND	81	9.7	ug/kg	
106-47-8	4-Chloroaniline	ND	200	15	ug/kg	
86-74-8	Carbazole	152	81	5.9	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

**Date Received:** 01/30/25

81.6

**Percent Solids:** 

# **Report of Analysis**

Client Sample ID: HF-4 (0.5-1)
Lab Sample ID: JE4905-7
Matrix: SO - Soil

**Method:** SW846 8270E SW846 3546

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam <sup>a</sup>	ND	81	16	ug/kg	
218-01-9	Chrysene	2130	41	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	81	8.7	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	81	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	81	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	81	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	41	13	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	41	20	ug/kg	
91-94-1	3,3'-Dichlorobenzidine <sup>a</sup>	ND	81	34	ug/kg	
123-91-1	1,4-Dioxane	ND	41	27	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	524	41	18	ug/kg	
132-64-9	Dibenzofuran	34.0	81	17	ug/kg	J
84-74-2	Di-n-butyl phthalate	7.8	81	6.6	ug/kg	J
117-84-0	Di-n-octyl phthalate <sup>a</sup>	ND	81	10	ug/kg	
84-66-2	Diethyl phthalate	ND	81	8.6	ug/kg	
131-11-3	Dimethyl phthalate	ND	81	7.2	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate <sup>b</sup>	31.7	81	9.5	ug/kg	J
206-44-0	Fluoranthene	3520	41	18	ug/kg	
86-73-7	Fluorene	56.7	41	19	ug/kg	
118-74-1	Hexachlorobenzene	ND	81	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	41	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	410	16	ug/kg	
67-72-1	Hexachloroethane	ND	200	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1910	41	19	ug/kg	
78-59-1	Isophorone	ND	81	8.7	ug/kg	
91-57-6	2-Methylnaphthalene	10.7	41	9.2	ug/kg	J
88-74-4	2-Nitroaniline	ND	200	9.6	ug/kg	
99-09-2	3-Nitroaniline	ND	200	10	ug/kg	
100-01-6	4-Nitroaniline	ND	200	11	ug/kg	
91-20-3	Naphthalene	27.9	41	11	ug/kg	J
98-95-3	Nitrobenzene	ND	81	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	81	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	15	ug/kg	
85-01-8	Phenanthrene	1260	41	14	ug/kg	
129-00-0	Pyrene	3080	41	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	10	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its	

CAS No. Surrogate Recoveries Run# 1 Run# 2 Limits

367-12-4 2-Fluorophenol 62% 10-99%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 

Client Sample ID: HF-4 (0.5-1) Lab Sample ID: JE4905-7

 Lab Sample ID:
 JE4905-7
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 81.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limits		
4165-62-2 118-79-6 4165-60-0 321-60-8 1718-51-0	Phenol-d5 2,4,6-Tribromophenol Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	67% 77% 68% 71% 68%		10-96% 10-123% 10-109% 11-109% 10-120%		
CAS No.	Tentatively Identified Compo	ounds	R.T.	Est. Conc.	Units	Q
57-11-4	Octadecanoic acid Unknown Unknown Unknown Unknown Unknown PAH substance Unknown Unknown PAH substance Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown PAH substance Unknown PAH substance Unknown PAH substance Unknown PAH substance Unknown Unknown PAH substance Unknown Unknown PAH substance Unknown Unknown Unknown Unknown Total TIC, Semi-Volatile		8.73 10.10 10.69 10.84 10.91 11.09 11.11 11.27 11.62 11.69 11.80 11.84 11.96 12.28 12.35 12.48 12.54 12.71 12.79 12.84 12.89 13.21 13.32 13.65 13.98	240 210 380 300 250 530 230 2000 640 220 230 530 200 420 290 840 260 380 550 490 660 1100 320 270 410 11950	ug/kg ug/kg	1 1 1 1 1 1 1 1 1 1 1 1 1

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

<sup>(</sup>b) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.

Client Sample ID: HF-4 (0.5-1)Lab Sample ID: JE4905-7

**Date Sampled:** 01/30/25Matrix: SO - Soil **Date Received:** 01/30/25 Method: SW846 8081B SW846 3546 **Percent Solids:** 81.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

**Analytical Batch** File ID DF Analyzed By **Prep Date Prep Batch** Run #1 1G205965.D 1 02/04/25 06:24 CP 02/03/25 16:30 OP61250 G1G7403

Run #2

**Final Volume Initial Weight** Run #1 10.0 ml 15.5 g

Run #2

#### **Pesticide TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.79	0.65	ug/kg	
319-84-6	alpha-BHC	ND	0.79	0.64	ug/kg	
319-85-7	beta-BHC a	5.8	0.79	0.71	ug/kg	
319-86-8	delta-BHC	ND	0.79	0.76	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.79	0.58	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.79	0.64	ug/kg	
5103-74-2	gamma-Chlordane <sup>b</sup>	0.96	0.79	0.36	ug/kg	
60-57-1	Dieldrin	ND	0.79	0.54	ug/kg	
72-54-8	4,4'-DDD <sup>a</sup>	2.7	0.79	0.73	ug/kg	
72-55-9	4,4'-DDE	14.2	0.79	0.69	ug/kg	
50-29-3	4,4'-DDT	29.6	0.79	0.70	ug/kg	
72-20-8	Endrin	ND	0.79	0.61	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.79	0.62	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.79	0.45	ug/kg	
959-98-8	Endosulfan-I	ND	0.79	0.46	ug/kg	
33213-65-9	Endosulfan-II	ND	0.79	0.49	ug/kg	
76-44-8	Heptachlor	ND	0.79	0.68	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.79	0.55	ug/kg	
72-43-5	Methoxychlor	ND	1.6	0.63	ug/kg	
53494-70-5	Endrin ketone	ND	0.79	0.57	ug/kg	
8001-35-2	Toxaphene	ND	20	18	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limi	its	
877-09-8	Tetrachloro-m-xylene	74%		13-1	62%	
877-09-8	Tetrachloro-m-xylene	77%	13-162%			
2051-24-3	Decachlorobiphenyl	83%		10-1	80%	
2051-24-3	Decachlorobiphenyl	69%		10-1	80%	

<sup>(</sup>a) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

<sup>(</sup>b) More than 40 % RPD for detected concentrations between the two GC columns.

Page 1 of 1

**Date Sampled:** 01/30/25

**Date Received:** 01/30/25

**Percent Solids:** 81.6

Client Sample ID: HF-4 (0.5-1)Lab Sample ID: JE4905-7 Matrix: SO - Soil

Method: SW846 8082A SW846 3546

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

**Analytical Batch** File ID DF Analyzed By **Prep Date Prep Batch** XX2520442.D Run #1 1 02/05/25 19:14 MLC 02/03/25 16:30 OP61251 GXX8812

Run #2

**Final Volume Initial Weight** Run #1 10.0 ml 15.5 g

Run #2

#### **PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	40	18	ug/kg	
11104-28-2	Aroclor 1221	ND	40	25	ug/kg	
11141-16-5	Aroclor 1232	ND	40	25	ug/kg	
53469-21-9	Aroclor 1242	ND	40	16	ug/kg	
12672-29-6	Aroclor 1248	ND	40	35	ug/kg	
11097-69-1	Aroclor 1254	ND	40	21	ug/kg	
11096-82-5	Aroclor 1260	18.8	40	17	ug/kg	J
11100-14-4	Aroclor 1268	ND	40	35	ug/kg	
37324-23-5	Aroclor 1262	ND	40	26	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limi	ts	
877-09-8	Tetrachloro-m-xylene	92%		10-1	74%	
877-09-8	Tetrachloro-m-xylene	84%	10-1749		74%	
2051-24-3	Decachlorobiphenyl	55%		10-19	95%	
2051-24-3	Decachlorobiphenyl	58%		10-19	95%	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Page 1 of 1

Client Sample ID: HF-4 (0.5-1)
Lab Sample ID: JE4905-7
Matrix: SO - Soil
Date Sampled: 01/30/25
Date Received: 01/30/25
Percent Solids: 81.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed E	Ву	Method	Prep Method
Aluminum	12600	61	mg/kg	1	01/31/25	01/31/25 M	ΜМ	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Antimony	< 2.4	2.4	mg/kg	1	01/31/25	01/31/25 N	ΜМ	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Arsenic	5.4	2.4	mg/kg	1	01/31/25	01/31/25 N	ΜМ	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Barium	116	24	mg/kg	1	01/31/25	01/31/25 M	ΜМ	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.65	0.24	mg/kg	1	01/31/25	01/31/25 M	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 0.61	0.61	mg/kg	1	01/31/25	01/31/25 M	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Calcium	6980	610	mg/kg	1	01/31/25	01/31/25 M	ΜМ	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Chromium	15.9	1.2	mg/kg	1	01/31/25	01/31/25 M	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Cobalt	7.5	6.1	mg/kg	1	01/31/25	01/31/25 M	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Copper	21.9	3.0	mg/kg	1	01/31/25	01/31/25 M	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Iron	17700	61	mg/kg	1	01/31/25	01/31/25 M	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Lead	278	2.4	mg/kg	1	01/31/25	01/31/25 M	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Magnesium	8640	610	mg/kg	1	01/31/25	01/31/25 M	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Manganese	618	1.8	mg/kg	1	01/31/25	01/31/25 M	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Mercury	0.15	0.032	mg/kg	1	01/31/25	01/31/25 M	ИK	SW846 7471B <sup>1</sup>	SW846 7471B <sup>4</sup>
Nickel	14.3	4.8	mg/kg	1	01/31/25	01/31/25 M	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Potassium	< 1200	1200	mg/kg	1	01/31/25	01/31/25 M	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Selenium	< 2.4	2.4	mg/kg	1	01/31/25	01/31/25 M	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Silver	< 0.61	0.61	mg/kg	1	01/31/25	01/31/25 M	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Sodium	< 1200	1200	mg/kg	1	01/31/25	01/31/25 M	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Thallium	< 1.2	1.2	mg/kg	1	01/31/25	01/31/25 M	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Vanadium	25.5	6.1	mg/kg	1	01/31/25	01/31/25 M	ИM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Zinc	124	6.1	mg/kg	1	01/31/25	01/31/25 M	ΜМ	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA57812(2) Instrument QC Batch: MA57815(3) Prep QC Batch: MP52479(4) Prep QC Batch: MP52491

Page 1 of 1

Client Sample ID: HF-4 (0.5-1) Lab Sample ID: JE4905-7

SO - Soil

Date Sampled: 01/30/25 Date Received: 01/30/25 Percent Solids: 81.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **General Chemistry**

Matrix:

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.26	0.26	mg/kg	1	01/31/25 19:03	JD	SW846 9012B/LACHAT
Solids, Percent	81.6		%	1	02/03/25 11:30	DP	SM2540 G 18TH ED MOD

Client Sample ID: HF-5 (0.5-1) Lab Sample ID: JE4905-8

 Lab Sample ID:
 JE4905-8
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 92.5

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 1264494.D
 1
 01/31/25 18:17
 JN
 01/31/25 07:50
 n/a
 VI10642

Run #2

**Initial Weight** 

Run #1 5.6 g

Run #2

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units (	)
67-64-1	Acetone	ND	9.7	4.0	ug/kg	
71-43-2	Benzene	ND	0.48	0.44	ug/kg	
74-97-5	Bromochloromethane	ND	4.8	0.54	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.41	ug/kg	
75-25-2	Bromoform	ND	4.8	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.8	0.74	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.7	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	1.9	0.52	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	0.60	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.44	ug/kg	
75-00-3	Chloroethane	ND	4.8	0.57	ug/kg	
67-66-3	Chloroform	ND	1.9	0.97	ug/kg	
74-87-3	Chloromethane	ND	4.8	1.9	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.63	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.67	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.54	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.97	0.41	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.97	0.53	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.97	0.48	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.97	0.48	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.8	0.70	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.97	0.48	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.97	0.45	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.97	0.63	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.97	0.81	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.97	0.59	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.46	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.46	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.44	ug/kg	
100-41-4	Ethylbenzene	ND	0.97	0.44	ug/kg	
76-13-1	Freon 113	ND	4.8	2.6	ug/kg	
591-78-6	2-Hexanone	ND	4.8	2.0	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

**Date Received:** 01/30/25

92.5

**Percent Solids:** 

# **Report of Analysis**

Client Sample ID: HF-5 (0.5-1)
Lab Sample ID: JE4905-8
Matrix: SO - Soil

**VOA TCL List** 

**Method:** SW846 8260D SW846 5035

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

CAS No.	Compound	Result	RL	MDI	Units	Q	
98-82-8	Isopropylbenzene	ND	1.9	1.4	ug/kg	ŗ	
79-20-9	Methyl Acetate	ND	4.8	1.3	ug/kg		
108-87-2	Methylcyclohexane	ND	1.9	0.84	ug/kg		
1634-04-4	Methyl Tert Butyl Ether	ND	0.97	0.45	ug/kg		
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.8	2.2	ug/kg	r S	
75-09-2	Methylene chloride	3.8	4.8	2.5	ug/kg		
100-42-5	Styrene	ND	1.9	0.39	ug/kg		
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.58	ug/kg	r S	
127-18-4	Tetrachloroethene	ND	1.9	0.56	ug/kg		
108-88-3	Toluene	ND	0.97	0.51	ug/kg		
87-61-6	1,2,3-Trichlorobenzene	ND	4.8	2.4	ug/kg	5	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	2.4	ug/kg	5	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.47	ug/kg	5	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.53	ug/kg	ŗ	
79-01-6	Trichloroethene	ND	0.97	0.74	ug/kg	5	
75-69-4	Trichlorofluoromethane	ND	4.8	0.66	ug/kg	5	
75-01-4	Vinyl chloride	ND	1.9	0.46	ug/kg	5	
	m,p-Xylene	ND	0.97	0.86	ug/kg	ŗ	
95-47-6	o-Xylene	ND	0.97	0.44	ug/kg	ŗ	
1330-20-7	Xylene (total)	ND	0.97	0.44	ug/kg	5	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Li	imits		
1868-53-7	Dibromofluoromethane	120%		80	)-124%		
17060-07-0	1,2-Dichloroethane-D4	110%		75	5-133%		
2037-26-5	Toluene-D8	95%		79	9-125%		
460-00-4	4-Bromofluorobenzene	94%		58	3-148%		
CAS No.	<b>Tentatively Identified Compounds</b>		R.T.	E	st. Conc.	Units	Q
	Total TIC, Volatile	Total TIC, Volatile				ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

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

**Date Received:** 01/30/25

**Percent Solids:** 92.5

### **Report of Analysis**

**Client Sample ID:** HF-5 (0.5-1) Lab Sample ID: JE4905-8

Matrix: SO - Soil Method: SW846 8270E SW846 3546

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

File ID DF Analyzed By **Prep Date Prep Batch Analytical Batch** Run #1 6P520015.D 1 02/03/25 21:12 KH 02/02/25 16:25 OP61245 E6P4359

Run #2

**Final Volume Initial Weight** 

Run #1 1.0 ml 31.3 g

Run #2

### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	69	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	29	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	61	ug/kg	
51-28-5	2,4-Dinitrophenol <sup>a</sup>	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	37	ug/kg	
95-48-7	2-Methylphenol	ND	69	22	ug/kg	
	3&4-Methylphenol	ND	69	28	ug/kg	
88-75-5	2-Nitrophenol <sup>a</sup>	ND	170	23	ug/kg	
100-02-7	4-Nitrophenol	ND	350	92	ug/kg	
87-86-5	Pentachlorophenol	ND	140	32	ug/kg	
108-95-2	Phenol	ND	69	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	21	ug/kg	
83-32-9	Acenaphthene	ND	35	12	ug/kg	
208-96-8	Acenaphthylene	ND	35	18	ug/kg	
98-86-2	Acetophenone	ND	170	7.4	ug/kg	
120-12-7	Anthracene	21.0	35	21	ug/kg	J
1912-24-9	Atrazine	ND	69	15	ug/kg	
56-55-3	Benzo(a)anthracene	114	35	9.8	ug/kg	
50-32-8	Benzo(a)pyrene	116	35	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	134	35	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	99.9	35	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	53.5	35	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	13	ug/kg	
85-68-7	Butyl benzyl phthalate <sup>a</sup>	ND	69	8.4	ug/kg	
92-52-4	1,1'-Biphenyl	ND	69	4.7	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	8.2	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	8.5	69	5.0	ug/kg	J

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

92.5

# **Report of Analysis**

**Client Sample ID:** HF-5 (0.5-1) Lab Sample ID: **Date Sampled:** 01/30/25 JE4905-8 Matrix: SO - Soil **Date Received:** 01/30/25 **Percent Solids:** 

Method: SW846 8270E SW846 3546

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	No. Compound		RL	MDL	Units	Q
105-60-2	Caprolactam <sup>a</sup>	ND	69	14	ug/kg	
218-01-9	Chrysene	117	35	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	7.4	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	69	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	35	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	35	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine <sup>a</sup>	ND	69	29	ug/kg	
123-91-1	1,4-Dioxane	ND	35	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	25.0	35	15	ug/kg	J
132-64-9	Dibenzofuran	ND	69	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	5.6	ug/kg	
117-84-0	Di-n-octyl phthalate <sup>a</sup>	ND	69	8.6	ug/kg	
84-66-2	Diethyl phthalate	ND	69	7.4	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	6.1	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate <sup>b</sup>	13.0	69	8.1	ug/kg	J
206-44-0	Fluoranthene	226	35	15	ug/kg	
86-73-7	Fluorene	ND	35	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	8.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	350	14	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	73.0	35	16	ug/kg	
78-59-1	Isophorone	ND	69	7.4	ug/kg	
91-57-6	2-Methylnaphthalene	ND	35	7.8	ug/kg	
88-74-4	2-Nitroaniline	ND	170	8.2	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.6	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.9	ug/kg	
91-20-3	Naphthalene	25.6	35	9.7	ug/kg	J
98-95-3	Nitrobenzene	ND	69	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	13	ug/kg	
85-01-8	Phenanthrene	101	35	12	ug/kg	
129-00-0	Pyrene	192	35	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.8	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limi	its	

367-12-4 2-Fluorophenol 71% 10-99%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

Page 3 of 3

**Date Sampled:** 01/30/25

**Date Received:** 01/30/25

92.5

**Percent Solids:** 

 Client Sample ID:
 HF-5 (0.5-1)

 Lab Sample ID:
 JE4905-8

 Matrix:
 SO - Soil

**Method:** SW846 8270E SW846 3546

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limits		
4165-62-2	Phenol-d5	73%		10-96%		
118-79-6	2,4,6-Tribromophenol	80%		10-123%		
4165-60-0	Nitrobenzene-d5	80%		10-109%		
321-60-8	2-Fluorobiphenyl	79%		11-109%		
1718-51-0	Terphenyl-d14	73%		10-120%		
CAS No.	Tentatively Identified Compo	unds	R.T.	Est. Conc.	Units	Q
	Unknown acid		7.99	240	ug/kg	J
	Dibenzopyrene		8.14	140	ug/kg	J
	Dibenzopyrene		8.91	200	ug/kg	J
	Dibenzopyrene		10.38	570	ug/kg	J
	Dibenzopyrene		10.46	410	ug/kg	J
	Unknown		10.49	200	ug/kg	J
	Dibenzopyrene		10.64	780	ug/kg	J
	Unknown		10.68	140	ug/kg	J
	Unknown		10.75	200	ug/kg	J
	Unknown		10.77	300	ug/kg	J
	Unknown		10.91	240	ug/kg	J
	Alkane		11.08	220	ug/kg	J
	Unknown PAH substance		11.26	250	ug/kg	J
	Unknown		11.61	260	ug/kg	J
	Unknown		11.66	140	ug/kg	J
	Alkane		11.80	150	ug/kg	J
	Unknown		11.83	150	ug/kg	J
	Unknown		12.81	290	ug/kg	J
	Unknown		13.13	180	ug/kg	J
	Total TIC, Semi-Volatile			5060	ug/kg	J

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

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

<sup>(</sup>b) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.

Client Sample ID: HF-5 (0.5-1) Lab Sample ID: JE4905-8

 Lab Sample ID:
 JE4905-8
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8081B
 SW846 3546
 Percent Solids:
 92.5

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 1G205971.D
 1
 02/04/25 07:59 CP
 02/03/25 16:30 OP61250 G1G7403
 G1G7403

Run #2

Initial Weight Final Volume Run #1 16.4 g 10.0 ml

Run #2

#### **Pesticide TCL List**

CAS No.	Compound	Result	RL MDL Unit			Q
309-00-2	Aldrin	ND	0.66	0.54	ug/kg	
319-84-6	alpha-BHC	ND	0.66	0.54	ug/kg	
319-85-7	beta-BHC	ND	0.66	ug/kg		
319-86-8	delta-BHC	ND	0.66	0.63	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.66	0.49	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.66	0.53	ug/kg	
5103-74-2	gamma-Chlordane	0.90	0.66	0.30	ug/kg	
60-57-1	Dieldrin	ND	0.66	0.45	ug/kg	
72-54-8	4,4'-DDD	ND	0.66	0.61	ug/kg	
72-55-9	4,4'-DDE	ND	0.66	0.58	ug/kg	
50-29-3	4,4'-DDT	0.80	0.66	0.58	ug/kg	
72-20-8	Endrin	ND	0.66	0.51	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.66	0.51	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.66	0.37	ug/kg	
959-98-8	Endosulfan-I	ND	0.66	0.38	ug/kg	
33213-65-9	Endosulfan-II	ND	0.66	0.41	ug/kg	
76-44-8	Heptachlor	ND	0.66	0.57	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.66	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.52	ug/kg	
53494-70-5	Endrin ketone	ND	0.66	0.48	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2 Limits		ts	
877-09-8	Tetrachloro-m-xylene	61%		13-10	62%	
877-09-8	Tetrachloro-m-xylene	66%		13-16	52%	
2051-24-3	Decachlorobiphenyl	54%		10-18	30%	
2051-24-3	Decachlorobiphenyl	50%		10-18	80%	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

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

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Page 1 of 1

 Client Sample ID:
 HF-5 (0.5-1)

 Lab Sample ID:
 JE4905-8
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8082A
 SW846 3546
 Percent Solids:
 92.5

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 XX2520401.D
 1
 02/03/25 20:18 MLC
 02/03/25 16:30 OP61251 GXX8810

 Run #2
 GXX8810

Initial Weight Final Volume
Run #1 16.4 g 10.0 ml
Run #2

#### **PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016 <sup>a</sup>	ND	33	15	ug/kg	
11104-28-2	Aroclor 1221	ND	33	20	ug/kg	
11141-16-5	Aroclor 1232	ND	33	21	ug/kg	
53469-21-9	Aroclor 1242	ND	33	14	ug/kg	
12672-29-6	Aroclor 1248	ND	33	29	ug/kg	
11097-69-1	Aroclor 1254	ND	33	18	ug/kg	
11096-82-5	Aroclor 1260	ND	33	14	ug/kg	
11100-14-4	Aroclor 1268	ND	33	29	ug/kg	
37324-23-5	Aroclor 1262	ND	33	22	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	2 Limits		
877-09-8	Tetrachloro-m-xylene	75%		10-17	74%	
877-09-8	Tetrachloro-m-xylene	71%		10-17	74%	
2051-24-3	Decachlorobiphenyl	45%		10-19	95%	
2051-24-3	Decachlorobiphenyl	48%		10-19	95%	

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Page 1 of 1

 Client Sample ID:
 HF-5 (0.5-1)

 Lab Sample ID:
 JE4905-8
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Percent Solids:
 92.5

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	6560	53	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Antimony	< 2.1	2.1	mg/kg	1	01/31/25	01/31/25 MM	2	SW846 3050B <sup>4</sup>
Arsenic	2.4	2.1	mg/kg	1	01/31/25	01/31/25 MM	2	SW846 3050B <sup>4</sup>
Barium	50.4	21	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Beryllium	0.33	0.21	mg/kg	1	01/31/25	01/31/25 MM	2	SW846 3050B <sup>4</sup>
Cadmium <sup>a</sup>	< 2.6	2.6	mg/kg	5	01/31/25	02/03/25 MM	2	SW846 3050B <sup>4</sup>
Calcium	40000	2600	mg/kg	5	01/31/25	02/03/25 MM	2	SW846 3050B <sup>4</sup>
Chromium	9.6	1.1	mg/kg	1	01/31/25	01/31/25 MM	2	SW846 3050B <sup>4</sup>
Cobalt	5.7	5.3	mg/kg	1	01/31/25	01/31/25 MM	2	SW846 3050B <sup>4</sup>
Copper	17.7	2.6	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Iron	11300	53	mg/kg	1	01/31/25	01/31/25 MM	2	SW846 3050B <sup>4</sup>
Lead	37.8	2.1	mg/kg	1	01/31/25	01/31/25 MM	2	SW846 3050B <sup>4</sup>
Magnesium	23400	530	mg/kg	1	01/31/25	01/31/25 MM	2	SW846 3050B <sup>4</sup>
Manganese	277	1.6	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Mercury	0.032	0.030	mg/kg	1	01/31/25	01/31/25 MK	SW846 7471B <sup>1</sup>	SW846 7471B <sup>5</sup>
Nickel	10.4	4.2	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Potassium	1460	1100	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Selenium	< 2.1	2.1	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Silver	< 0.53	0.53	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Sodium	< 1100	1100	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Thallium	< 1.1	1.1	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Vanadium	22.4	5.3	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Zinc	35.6	5.3	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>

(1) Instrument QC Batch: MA57812
(2) Instrument QC Batch: MA57815
(3) Instrument QC Batch: MA57821
(4) Prep QC Batch: MP52479
(5) Prep QC Batch: MP52491

(a) Elevated detection limit due to dilution required for high interfering element.

Page 1 of 1

Client Sample ID: HF-5 (0.5-1) Lab Sample ID: JE4905-8 Matrix: SO - Soil

Date Sampled: 01/30/25 Date Received: 01/30/25 Percent Solids: 92.5

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.27	0.27	mg/kg	1	02/03/25 20:50	JD	SW846 9012B/LACHAT
Solids, Percent	92.5		%	1	02/03/25 11:30	DP	SM2540 G 18TH ED MOD

Client Sample ID: HF-6 (1.5-2) Lab Sample ID: JE4905-9

 Lab Sample ID:
 JE4905-9
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 87.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 I264495.D
 1
 01/31/25 18:39
 JN
 01/31/25 07:50
 n/a
 VI10642

 Run #2
 VIII
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Initial Weight

Run #1 5.7 g

Run #2

#### **VOA TCL List**

CAS No. Compound		Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.1	ug/kg	
71-43-2	Benzene	ND	0.50	0.46	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.56	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.43	ug/kg	
75-25-2	Bromoform	ND	5.0	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.77	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.54	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.62	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.46	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.59	ug/kg	
67-66-3	Chloroform	ND	2.0	1.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.56	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.42	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.55	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.49	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.73	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.84	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.61	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.47	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.46	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.45	ug/kg	
76-13-1	Freon 113	ND	5.0	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.1	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

**Date Received:** 01/30/25

Percent Solids: 87.6

# **Report of Analysis**

Client Sample ID: HF-6 (1.5-2) Lab Sample ID: JE4905-9

 Matrix:
 SO - Soil

 Method:
 SW846 8260D
 SW846 5035

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q	
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	5	
79-20-9	Methyl Acetate	ND	5.0	1.4	ug/kg		
108-87-2	Methylcyclohexane	ND	2.0	0.88	ug/kg	5	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.47	ug/kg	5	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	2.3	ug/kg	,	
75-09-2	Methylene chloride	2.9	5.0	2.6	ug/kg	J	
100-42-5	Styrene	ND	2.0	0.40	ug/kg	,	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/kg	,	
127-18-4	Tetrachloroethene	ND	2.0	0.58	ug/kg	,	
108-88-3	Toluene	ND	1.0	0.53	ug/kg	5	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/kg	5	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/kg	;	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.48	ug/kg	5	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.55	ug/kg	5	
79-01-6	Trichloroethene	ND	1.0	0.76	ug/kg	;	
75-69-4	Trichlorofluoromethane	ND	5.0	0.68	ug/kg	;	
75-01-4	Vinyl chloride	ND	2.0	0.48	ug/kg	5	
	m,p-Xylene	ND	1.0	0.90	ug/kg	5	
95-47-6	o-Xylene	ND	1.0	0.46	ug/kg	5	
1330-20-7	Xylene (total)	ND	1.0	0.46	ug/kg	5	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its		
1868-53-7	Dibromofluoromethane	121%		80-1	24%		
17060-07-0	1,2-Dichloroethane-D4	110%		75-1	33%		
2037-26-5	Toluene-D8	94%		79-1	25%		
460-00-4	4-Bromofluorobenzene	93%		58-1	48%		
CAS No.	<b>Tentatively Identified Compo</b>	ounds	R.T.	Est.	Conc.	Units	Q
	Total TIC, Volatile		0		ug/kg		

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 

Client Sample ID: HF-6 (1.5-2)

 Lab Sample ID:
 JE4905-9
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 87.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 6P520003.D
 1
 02/03/25 17:22
 KH
 02/02/25 16:25
 OP61245
 E6P4359

Run #2

Initial Weight Final Volume

Run #1 31.1 g 1.0 ml

Run #2

### ABN TCL List (SOM0 2.0)

95-57-8   2-Chlorophenol   ND   73   18   ug/kg     59-50-7   4-Chloro-3-methyl phenol   ND   180   23   ug/kg     120-83-2   2,4-Dichlorophenol   ND   180   31   ug/kg     105-67-9   2,4-Dimethylphenol   ND   180   65   ug/kg     51-28-5   2,4-Dinitrophenol   a   ND   180   39   ug/kg     534-52-1   4,6-Dinitro-o-cresol   ND   180   39   ug/kg     95-48-7   2-Methylphenol   ND   73   23   ug/kg     3&4-Methylphenol   ND   73   30   ug/kg     88-75-5   2-Nitrophenol   A   ND   180   24   ug/kg     100-02-7   4-Nitrophenol   ND   370   98   ug/kg     87-86-5   Pentachlorophenol   ND   370   98   ug/kg     108-95-2   Phenol   ND   73   19   ug/kg     58-90-2   2,3,4,6-Tetrachlorophenol   ND   180   24   ug/kg     95-95-4   2,4,5-Trichlorophenol   ND   180   24   ug/kg     95-95-4   2,4,6-Trichlorophenol   ND   180   27   ug/kg     88-06-2   2,4,6-Trichlorophenol   ND   180   22   ug/kg     88-32-9   Acenaphthylene   ND   37   19   ug/kg     98-86-2   Acetophenone   ND   37   19   ug/kg     98-86-2   Acetophenone   ND   37   23   ug/kg     191-2-4-9   Atrazine   ND   73   16   ug/kg     191-2-4-9   Atrazine   ND   73   16   ug/kg     191-2-4-9   Benzo(a)anthracene   19.3   37   16   ug/kg     191-2-4-2   Benzo(a)pyrene   21.1   37   17   ug/kg     191-2-4-2   Benzo(b)fluoranthene   ND   37   17   ug/kg     191-2-5-3   4-Bromophenyl phenyl ether   ND   73   14   ug/kg     101-55-3   4-Bromophenyl phenyl ether   ND   73   5.0   ug/kg     100-52-7   Benzaldehyde   ND   73   5.3   ug/kg     106-47-8   4-Chloroaniline   ND   73   5.3   ug/kg     106-47-8   Carbazole   ND   73   5.3   ug/kg	CAS No.	Compound	Result	RL	MDL	Units	Q
120-83-2   2,4-Dichlorophenol   ND   180   31   ug/kg   105-67-9   2,4-Dimethylphenol   ND   180   65   ug/kg   51-28-5   2,4-Dimitrophenol   ND   180   140   ug/kg   534-52-1   4,6-Dinitro-o-cresol   ND   180   39   ug/kg   95-48-7   2-Methylphenol   ND   73   23   ug/kg   3&4-Methylphenol   ND   73   30   ug/kg   88-75-5   2-Nitrophenol   ND   180   24   ug/kg   100-02-7   4-Nitrophenol   ND   150   34   ug/kg   108-95-2   Phenol   ND   73   19   ug/kg   108-95-2   Phenol   ND   150   34   ug/kg   108-95-2   2,3,4,6-Tetrachlorophenol   ND   180   24   ug/kg   108-95-4   2,4,5-Trichlorophenol   ND   180   27   ug/kg   88-06-2   2,4,6-Trichlorophenol   ND   180   27   ug/kg   83-32-9   Acenaphthene   ND   37   13   ug/kg   83-32-9   Acenaphthene   ND   37   13   ug/kg   120-12-7   Anthracene   ND   37   13   ug/kg   120-12-7   Anthracene   ND   37   13   ug/kg   120-12-7   Anthracene   ND   37   16   ug/kg   1912-24-9   Atrazine   ND   73   16   ug/kg   J 191-24-2   Benzo(a)pyrene   21.1   37   17   ug/kg   J 205-99-2   Benzo(b)fluoranthene   29.4   37   16   ug/kg   J 207-08-9   Benzo(b)fluoranthene   ND   37   37   19   ug/kg   J 207-08-9   Benzo(k)fluoranthene   ND   37   37   39.0   ug/kg   101-55-3   4-Bromophenyl phenyl ether   ND   73   5.0   ug/kg   92-52-4   1,1'-Biphenyl   ND   73   5.0   ug/kg   91-58-7   2-Chloronaphthalene   ND   73   8.7   ug/kg   91-58-7   2-Chloronaphthalene   ND   73   8.7   ug/kg   91-58-7   2-Chloronaphthalene   ND   73   8.7   ug/kg   91-58-7   2-Chloronaphthalene   ND   73   8.7   ug/kg   91-58-7   2-Chloronaphthalene   ND   73   8.7   ug/kg   91-58-7   2-Chloronaphthalene   ND   73   8.7   ug/kg   106-47-8   4-Chloroaniline   ND   180   13   ug/kg   106-47-8   4-Chloroaniline   ND   180   13   ug/kg   106-47-8   4-Chloroaniline   ND   180   13   ug/kg   106-47-8   4-Chloroaniline   ND   180   13   ug/kg   106-47-8   4-Chloroaniline   ND   180   13   ug/kg   106-47-8   4-Chloroaniline   ND   180   13   ug/kg   106-47-8   4-Chloroaniline   ND   180   13   ug/kg   106-47-8	95-57-8	2-Chlorophenol	ND	73	18	ug/kg	
105-67-9   2,4-Dimethylphenol   ND   180   65   ug/kg     51-28-5   2,4-Dinitrophenol a   ND   180   140   ug/kg     534-52-1   4,6-Dinitro-o-cresol   ND   180   39   ug/kg     95-48-7   2-Methylphenol   ND   73   23   ug/kg     3&4-Methylphenol   ND   73   30   ug/kg     100-02-7   4-Nitrophenol   ND   370   98   ug/kg     87-86-5   Pentachlorophenol   ND   150   34   ug/kg     108-95-2   Phenol   ND   73   19   ug/kg     58-90-2   2,3,4,6-Tetrachlorophenol   ND   180   24   ug/kg     95-95-4   2,4,5-Trichlorophenol   ND   180   27   ug/kg     88-06-2   2,4,6-Trichlorophenol   ND   180   27   ug/kg     88-32-9   Acenaphthene   ND   37   13   ug/kg     208-96-8   Acenaphthylene   ND   37   19   ug/kg     98-86-2   Acetophenone   ND   180   7.9   ug/kg     1912-24-9   Anthracene   ND   37   23   ug/kg     1912-24-9   Atrazine   ND   73   16   ug/kg     50-32-8   Benzo(a)anthracene   19.3   37   16   ug/kg     191-24-2   Benzo(g,h,i)perylene   18.2   37   18   ug/kg     191-24-2   Benzo(g,h,i)perylene   18.2   37   18   ug/kg     191-25-3   4-Bromophenyl phenyl ether   ND   73   14   ug/kg     101-55-3   4-Bromophenyl phenyl ether   ND   73   14   ug/kg     101-52-7   Benzaldehyde   ND   73   8.7   ug/kg     106-47-8   4-Chloroaniline   ND   73   8.7   ug/kg     106-47-8   4-Chloroaniline   ND   73   8.7   ug/kg     106-47-8   4-Chloroaniline   ND   73   8.7   ug/kg     106-47-8   4-Chloroaniline   ND   73   8.7   ug/kg     106-47-8   4-Chloroaniline   ND   73   8.7   ug/kg     106-47-8   4-Chloroaniline   ND   180   13   ug/kg     106-47-8   4-Chloroaniline   ND   180   13   ug/kg     106-47-8   4-Chloroaniline   ND   180   13   ug/kg     106-47-8   4-Chloroaniline   ND   180   13   ug/kg     106-47-8   4-Chloroaniline   ND   180   13   ug/kg     108-90-90-90-90-90-90-90-90-90-90-90-90-90-	59-50-7	4-Chloro-3-methyl phenol	ND	180	23	ug/kg	
51-28-5         2,4-Dinitrophenol a         ND         180         140         ug/kg           534-52-1         4,6-Dinitro-o-cresol         ND         180         39         ug/kg           95-48-7         2-Methylphenol         ND         73         23         ug/kg           88-75-5         2-Nitrophenol a         ND         180         24         ug/kg           100-02-7         4-Nitrophenol         ND         370         98         ug/kg           87-86-5         Pentachlorophenol         ND         150         34         ug/kg           87-86-5         Pentachlorophenol         ND         150         34         ug/kg           87-86-5         Pentachlorophenol         ND         150         34         ug/kg           87-86-5         Pentachlorophenol         ND         180         24         ug/kg           108-95-2         Phenol         ND         180         24         ug/kg           95-95-4         2,4,5-Trichlorophenol         ND         180         27         ug/kg           88-06-2         2,4,6-Trichlorophenol         ND         37         19         ug/kg           98-86-2         Acetophenone         ND         <	120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
534-52-1         4,6-Dinitro-o-cresol         ND         180         39         ug/kg           95-48-7         2-Methylphenol         ND         73         23         ug/kg           88-75-5         2-Nitrophenol a         ND         180         24         ug/kg           100-02-7         4-Nitrophenol         ND         370         98         ug/kg           87-86-5         Pentachlorophenol         ND         150         34         ug/kg           108-95-2         Phenol         ND         73         19         ug/kg           58-90-2         2,3,4,6-Tetrachlorophenol         ND         180         24         ug/kg           98-95-95-4         2,4,5-Trichlorophenol         ND         180         27         ug/kg           88-06-2         2,4,6-Trichlorophenol         ND         180         22         ug/kg           88-32-9         Acenaphthylene         ND         37         19         ug/kg           98-86-2         Acetophenone         ND         37         19         ug/kg           1912-24-9         Atrazine         ND         73         16         ug/kg           56-55-3         Benzo(a)anthracene         19.3 <td< td=""><td>105-67-9</td><td>2,4-Dimethylphenol</td><td>ND</td><td>180</td><td>65</td><td>ug/kg</td><td></td></td<>	105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
95-48-7         2-Methylphenol         ND         73         23         ug/kg           88-75-5         2-Nitrophenol a         ND         180         24         ug/kg           100-02-7         4-Nitrophenol         ND         370         98         ug/kg           87-86-5         Pentachlorophenol         ND         150         34         ug/kg           108-95-2         Phenol         ND         73         19         ug/kg           58-90-2         2,3,4,6-Tetrachlorophenol         ND         180         24         ug/kg           98-95-4         2,4,5-Trichlorophenol         ND         180         27         ug/kg           88-06-2         2,4,6-Trichlorophenol         ND         180         22         ug/kg           83-32-9         Acenaphthene         ND         37         13         ug/kg           208-96-8         Acenaphthylene         ND         37         19         ug/kg           98-86-2         Acetophenone         ND         37         23         ug/kg           1912-24-9         Atrazine         ND         73         16         ug/kg           56-55-3         Benzo(a)anthracene         19.3         37	51-28-5	2,4-Dinitrophenol <sup>a</sup>	ND	180	140	ug/kg	
3&4-Methylphenol         ND         73         30         ug/kg           88-75-5         2-Nitrophenol a         ND         180         24         ug/kg           100-02-7         4-Nitrophenol         ND         370         98         ug/kg           87-86-5         Pentachlorophenol         ND         150         34         ug/kg           108-95-2         Phenol         ND         73         19         ug/kg           58-90-2         2,3,4,6-Tetrachlorophenol         ND         180         24         ug/kg           95-95-4         2,4,5-Trichlorophenol         ND         180         27         ug/kg           88-06-2         2,4,6-Trichlorophenol         ND         180         22         ug/kg           83-32-9         Acenaphthene         ND         37         13         ug/kg           208-96-8         Acenaphthylene         ND         37         19         ug/kg           98-86-2         Acetophenone         ND         37         23         ug/kg           1912-24-9         Atrazine         ND         73         16         ug/kg           56-55-3         Benzo(a)anthracene         19.3         37         10	534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
88-75-5         2-Nitrophenol a         ND         180         24         ug/kg           100-02-7         4-Nitrophenol         ND         370         98         ug/kg           87-86-5         Pentachlorophenol         ND         150         34         ug/kg           108-95-2         Phenol         ND         73         19         ug/kg           58-90-2         2,3,4,6-Tetrachlorophenol         ND         180         24         ug/kg           95-95-4         2,4,5-Trichlorophenol         ND         180         27         ug/kg           88-06-2         2,4,6-Trichlorophenol         ND         180         22         ug/kg           83-32-9         Acenaphthene         ND         37         13         ug/kg           98-86-2         Acetophenone         ND         37         19         ug/kg           98-86-2         Acetophenone         ND         37         23         ug/kg           1912-24-9         Atrazine         ND         73         16         ug/kg           56-55-3         Benzo(a)anthracene         19.3         37         10         ug/kg           50-32-8         Benzo(b)fluoranthene         29.4         37 <td>95-48-7</td> <td>2-Methylphenol</td> <td>ND</td> <td>73</td> <td>23</td> <td>ug/kg</td> <td></td>	95-48-7	2-Methylphenol	ND	73	23	ug/kg	
100-02-7         4-Nitrophenol         ND         370         98         ug/kg           87-86-5         Pentachlorophenol         ND         150         34         ug/kg           108-95-2         Phenol         ND         73         19         ug/kg           58-90-2         2,3,4,6-Tetrachlorophenol         ND         180         24         ug/kg           95-95-4         2,4,5-Trichlorophenol         ND         180         22         ug/kg           88-06-2         2,4,6-Trichlorophenol         ND         180         22         ug/kg           83-32-9         Acenaphthene         ND         37         13         ug/kg           208-96-8         Acenaphthylene         ND         37         19         ug/kg           98-86-2         Acetophenone         ND         37         19         ug/kg           1912-24-9         Atrazine         ND         73         16         ug/kg           1912-24-9         Atrazine         ND         73         16         ug/kg           56-55-3         Benzo(a)anthracene         19.3         37         10         ug/kg           50-32-8         Benzo(b)fluoranthene         29.4         37		3&4-Methylphenol	ND	73	30	ug/kg	
87-86-5         Pentachlorophenol         ND         150         34         ug/kg           108-95-2         Phenol         ND         73         19         ug/kg           58-90-2         2,3,4,6-Tetrachlorophenol         ND         180         24         ug/kg           95-95-4         2,4,5-Trichlorophenol         ND         180         27         ug/kg           88-06-2         2,4,6-Trichlorophenol         ND         180         22         ug/kg           83-32-9         Acenaphthene         ND         37         13         ug/kg           208-96-8         Acenaphthylene         ND         37         19         ug/kg           98-86-2         Acetophenone         ND         37         23         ug/kg           120-12-7         Anthracene         ND         37         23         ug/kg           1912-24-9         Atrazine         ND         73         16         ug/kg           56-55-3         Benzo(a)anthracene         19.3         37         10         ug/kg           50-32-8         Benzo(a)pyrene         21.1         37         17         ug/kg           205-99-2         Benzo(b)fluoranthene         29.4         37 <td>88-75-5</td> <td>2-Nitrophenol <sup>a</sup></td> <td>ND</td> <td>180</td> <td>24</td> <td>ug/kg</td> <td></td>	88-75-5	2-Nitrophenol <sup>a</sup>	ND	180	24	ug/kg	
108-95-2         Phenol         ND         73         19         ug/kg           58-90-2         2,3,4,6-Tetrachlorophenol         ND         180         24         ug/kg           95-95-4         2,4,5-Trichlorophenol         ND         180         27         ug/kg           88-06-2         2,4,6-Trichlorophenol         ND         180         22         ug/kg           83-32-9         Acenaphthene         ND         37         13         ug/kg           208-96-8         Acenaphthylene         ND         37         19         ug/kg           98-86-2         Acetophenone         ND         180         7.9         ug/kg           120-12-7         Anthracene         ND         37         23         ug/kg           1912-24-9         Atrazine         ND         73         16         ug/kg           56-55-3         Benzo(a)anthracene         19.3         37         10         ug/kg           50-32-8         Benzo(b)fluoranthene         29.4         37         16         ug/kg         J           205-99-2         Benzo(b)fluoranthene         29.4         37         16         ug/kg         J           207-08-9         Benzo(k)fluoran	100-02-7	4-Nitrophenol	ND	370	98	ug/kg	
58-90-2         2,3,4,6-Tetrachlorophenol         ND         180         24         ug/kg           95-95-4         2,4,5-Trichlorophenol         ND         180         27         ug/kg           88-06-2         2,4,6-Trichlorophenol         ND         180         22         ug/kg           83-32-9         Acenaphthene         ND         37         13         ug/kg           208-96-8         Acenaphthylene         ND         37         19         ug/kg           98-86-2         Acetophenone         ND         37         23         ug/kg           120-12-7         Anthracene         ND         37         23         ug/kg           1912-24-9         Atrazine         ND         73         16         ug/kg           56-55-3         Benzo(a)anthracene         19.3         37         10         ug/kg           50-32-8         Benzo(b)fluoranthene         29.4         37         16         ug/kg         J           205-99-2         Benzo(b)fluoranthene         29.4         37         16         ug/kg         J           191-24-2         Benzo(k)fluoranthene         ND         37         17         ug/kg           207-08-9         Ben	87-86-5	Pentachlorophenol	ND	150	34	ug/kg	
95-95-4         2,4,5-Trichlorophenol         ND         180         27         ug/kg           88-06-2         2,4,6-Trichlorophenol         ND         180         22         ug/kg           83-32-9         Acenaphthene         ND         37         13         ug/kg           208-96-8         Acenaphthylene         ND         37         19         ug/kg           98-86-2         Acetophenone         ND         180         7.9         ug/kg           120-12-7         Anthracene         ND         37         23         ug/kg           1912-24-9         Atrazine         ND         73         16         ug/kg           56-55-3         Benzo(a)anthracene         19.3         37         10         ug/kg         J           50-32-8         Benzo(a)pyrene         21.1         37         17         ug/kg         J           205-99-2         Benzo(b)fluoranthene         29.4         37         16         ug/kg         J           191-24-2         Benzo(k)fluoranthene         ND         37         17         ug/kg           101-55-3         4-Bromophenyl phenyl ether         ND         73         14         ug/kg           85-68-7	108-95-2	Phenol	ND	73	19	ug/kg	
88-06-2         2,4,6-Trichlorophenol         ND         180         22         ug/kg           83-32-9         Acenaphthene         ND         37         13         ug/kg           208-96-8         Acenaphthylene         ND         37         19         ug/kg           98-86-2         Acetophenone         ND         180         7.9         ug/kg           120-12-7         Anthracene         ND         37         23         ug/kg           1912-24-9         Atrazine         ND         73         16         ug/kg           56-55-3         Benzo(a)anthracene         19.3         37         10         ug/kg         J           50-32-8         Benzo(a)pyrene         21.1         37         17         ug/kg         J           205-99-2         Benzo(b)fluoranthene         29.4         37         16         ug/kg         J           191-24-2         Benzo(g,h,i)perylene         18.2         37         18         ug/kg         J           207-08-9         Benzo(k)fluoranthene         ND         37         17         ug/kg           85-68-7         Butyl benzyl phthalate a         ND         73         9.0         ug/kg	58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
83-32-9         Acenaphthene         ND         37         13         ug/kg           208-96-8         Acenaphthylene         ND         37         19         ug/kg           98-86-2         Acetophenone         ND         180         7.9         ug/kg           120-12-7         Anthracene         ND         37         23         ug/kg           1912-24-9         Atrazine         ND         73         16         ug/kg           56-55-3         Benzo(a)anthracene         19.3         37         10         ug/kg         J           50-32-8         Benzo(a)pyrene         21.1         37         17         ug/kg         J           205-99-2         Benzo(b)fluoranthene         29.4         37         16         ug/kg         J           191-24-2         Benzo(g,h,i)perylene         18.2         37         18         ug/kg         J           207-08-9         Benzo(k)fluoranthene         ND         37         17         ug/kg           101-55-3         4-Bromophenyl phenyl ether         ND         73         14         ug/kg           85-68-7         Butyl benzyl phthalate a         ND         73         5.0         ug/kg	95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
208-96-8         Acenaphthylene         ND         37         19         ug/kg           98-86-2         Acetophenone         ND         180         7.9         ug/kg           120-12-7         Anthracene         ND         37         23         ug/kg           1912-24-9         Atrazine         ND         73         16         ug/kg           56-55-3         Benzo(a)anthracene         19.3         37         10         ug/kg         J           50-32-8         Benzo(a)pyrene         21.1         37         17         ug/kg         J           205-99-2         Benzo(b)fluoranthene         29.4         37         16         ug/kg         J           191-24-2         Benzo(g,h,i)perylene         18.2         37         18         ug/kg         J           207-08-9         Benzo(k)fluoranthene         ND         37         17         ug/kg           101-55-3         4-Bromophenyl phenyl ether         ND         73         14         ug/kg           85-68-7         Butyl benzyl phthalate a         ND         73         9.0         ug/kg           92-52-4         1,1'-Biphenyl         ND         73         5.0         ug/kg	88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
98-86-2         Acetophenone         ND         180         7.9         ug/kg           120-12-7         Anthracene         ND         37         23         ug/kg           1912-24-9         Atrazine         ND         73         16         ug/kg           56-55-3         Benzo(a)anthracene         19.3         37         10         ug/kg         J           50-32-8         Benzo(a)pyrene         21.1         37         17         ug/kg         J           205-99-2         Benzo(b)fluoranthene         29.4         37         16         ug/kg         J           191-24-2         Benzo(g,h,i)perylene         18.2         37         18         ug/kg         J           207-08-9         Benzo(k)fluoranthene         ND         37         17         ug/kg           101-55-3         4-Bromophenyl phenyl ether         ND         73         14         ug/kg           85-68-7         Butyl benzyl phthalate a         ND         73         9.0         ug/kg           92-52-4         1,1'-Biphenyl         ND         73         5.0         ug/kg           100-52-7         Benzaldehyde         ND         73         8.7         ug/kg	83-32-9	Acenaphthene	ND	37	13	ug/kg	
120-12-7         Anthracene         ND         37         23         ug/kg           1912-24-9         Atrazine         ND         73         16         ug/kg           56-55-3         Benzo(a)anthracene         19.3         37         10         ug/kg         J           50-32-8         Benzo(a)pyrene         21.1         37         17         ug/kg         J           205-99-2         Benzo(b)fluoranthene         29.4         37         16         ug/kg         J           191-24-2         Benzo(g,h,i)perylene         18.2         37         18         ug/kg         J           207-08-9         Benzo(k)fluoranthene         ND         37         17         ug/kg           101-55-3         4-Bromophenyl phenyl ether         ND         73         14         ug/kg           85-68-7         Butyl benzyl phthalate a         ND         73         9.0         ug/kg           92-52-4         1,1'-Biphenyl         ND         73         5.0         ug/kg           100-52-7         Benzaldehyde         ND         180         9.1         ug/kg           91-58-7         2-Chloronaphthalene         ND         73         8.7         ug/kg	208-96-8	Acenaphthylene	ND	37	19	ug/kg	
1912-24-9         Atrazine         ND         73         16         ug/kg           56-55-3         Benzo(a)anthracene         19.3         37         10         ug/kg         J           50-32-8         Benzo(a)pyrene         21.1         37         17         ug/kg         J           205-99-2         Benzo(b)fluoranthene         29.4         37         16         ug/kg         J           191-24-2         Benzo(g,h,i)perylene         18.2         37         18         ug/kg         J           207-08-9         Benzo(k)fluoranthene         ND         37         17         ug/kg           101-55-3         4-Bromophenyl phenyl ether         ND         73         14         ug/kg           85-68-7         Butyl benzyl phthalate a         ND         73         9.0         ug/kg           92-52-4         1,1'-Biphenyl         ND         73         5.0         ug/kg           100-52-7         Benzaldehyde         ND         180         9.1         ug/kg           91-58-7         2-Chloronaphthalene         ND         73         8.7         ug/kg           106-47-8         4-Chloroaniline         ND         180         13         ug/kg <td>98-86-2</td> <td>Acetophenone</td> <td></td> <td>180</td> <td></td> <td>ug/kg</td> <td></td>	98-86-2	Acetophenone		180		ug/kg	
56-55-3         Benzo(a)anthracene         19.3         37         10         ug/kg         J           50-32-8         Benzo(a)pyrene         21.1         37         17         ug/kg         J           205-99-2         Benzo(b)fluoranthene         29.4         37         16         ug/kg         J           191-24-2         Benzo(g,h,i)perylene         18.2         37         18         ug/kg         J           207-08-9         Benzo(k)fluoranthene         ND         37         17         ug/kg           101-55-3         4-Bromophenyl phenyl ether         ND         73         14         ug/kg           85-68-7         Butyl benzyl phthalate a         ND         73         9.0         ug/kg           92-52-4         1,1'-Biphenyl         ND         73         5.0         ug/kg           100-52-7         Benzaldehyde         ND         180         9.1         ug/kg           91-58-7         2-Chloronaphthalene         ND         73         8.7         ug/kg           106-47-8         4-Chloroaniline         ND         180         13         ug/kg	120-12-7	Anthracene	ND	37	23	ug/kg	
50-32-8         Benzo(a)pyrene         21.1         37         17         ug/kg         J           205-99-2         Benzo(b)fluoranthene         29.4         37         16         ug/kg         J           191-24-2         Benzo(g,h,i)perylene         18.2         37         18         ug/kg         J           207-08-9         Benzo(k)fluoranthene         ND         37         17         ug/kg           101-55-3         4-Bromophenyl phenyl ether         ND         73         14         ug/kg           85-68-7         Butyl benzyl phthalate a         ND         73         9.0         ug/kg           92-52-4         1,1'-Biphenyl         ND         73         5.0         ug/kg           100-52-7         Benzaldehyde         ND         180         9.1         ug/kg           91-58-7         2-Chloronaphthalene         ND         73         8.7         ug/kg           106-47-8         4-Chloroaniline         ND         180         13         ug/kg	1912-24-9	Atrazine	ND	73	16	ug/kg	
205-99-2       Benzo(b)fluoranthene       29.4       37       16       ug/kg       J         191-24-2       Benzo(g,h,i)perylene       18.2       37       18       ug/kg       J         207-08-9       Benzo(k)fluoranthene       ND       37       17       ug/kg         101-55-3       4-Bromophenyl phenyl ether       ND       73       14       ug/kg         85-68-7       Butyl benzyl phthalate a       ND       73       9.0       ug/kg         92-52-4       1,1'-Biphenyl       ND       73       5.0       ug/kg         100-52-7       Benzaldehyde       ND       180       9.1       ug/kg         91-58-7       2-Chloronaphthalene       ND       73       8.7       ug/kg         106-47-8       4-Chloroaniline       ND       180       13       ug/kg	56-55-3	Benzo(a)anthracene	19.3	37	10	ug/kg	J
191-24-2         Benzo(g,h,i)perylene         18.2         37         18         ug/kg         J           207-08-9         Benzo(k)fluoranthene         ND         37         17         ug/kg           101-55-3         4-Bromophenyl phenyl ether         ND         73         14         ug/kg           85-68-7         Butyl benzyl phthalate a         ND         73         9.0         ug/kg           92-52-4         1,1'-Biphenyl         ND         73         5.0         ug/kg           100-52-7         Benzaldehyde         ND         180         9.1         ug/kg           91-58-7         2-Chloronaphthalene         ND         73         8.7         ug/kg           106-47-8         4-Chloroaniline         ND         180         13         ug/kg	50-32-8		21.1	37	17	ug/kg	J
207-08-9         Benzo(k)fluoranthene         ND         37         17         ug/kg           101-55-3         4-Bromophenyl phenyl ether         ND         73         14         ug/kg           85-68-7         Butyl benzyl phthalate a         ND         73         9.0         ug/kg           92-52-4         1,1'-Biphenyl         ND         73         5.0         ug/kg           100-52-7         Benzaldehyde         ND         180         9.1         ug/kg           91-58-7         2-Chloronaphthalene         ND         73         8.7         ug/kg           106-47-8         4-Chloroaniline         ND         180         13         ug/kg	205-99-2	Benzo(b)fluoranthene	29.4	37	16	ug/kg	J
101-55-3       4-Bromophenyl phenyl ether       ND       73       14       ug/kg         85-68-7       Butyl benzyl phthalate a       ND       73       9.0       ug/kg         92-52-4       1,1'-Biphenyl       ND       73       5.0       ug/kg         100-52-7       Benzaldehyde       ND       180       9.1       ug/kg         91-58-7       2-Chloronaphthalene       ND       73       8.7       ug/kg         106-47-8       4-Chloroaniline       ND       180       13       ug/kg	191-24-2	Benzo(g,h,i)perylene	18.2	37	18	ug/kg	J
85-68-7       Butyl benzyl phthalate a       ND       73       9.0       ug/kg         92-52-4       1,1'-Biphenyl       ND       73       5.0       ug/kg         100-52-7       Benzaldehyde       ND       180       9.1       ug/kg         91-58-7       2-Chloronaphthalene       ND       73       8.7       ug/kg         106-47-8       4-Chloroaniline       ND       180       13       ug/kg	207-08-9	Benzo(k)fluoranthene	ND	37	17	ug/kg	
92-52-4       1,1'-Biphenyl       ND       73       5.0       ug/kg         100-52-7       Benzaldehyde       ND       180       9.1       ug/kg         91-58-7       2-Chloronaphthalene       ND       73       8.7       ug/kg         106-47-8       4-Chloroaniline       ND       180       13       ug/kg	101-55-3	4-Bromophenyl phenyl ether	ND	73	14	ug/kg	
100-52-7       Benzaldehyde       ND       180       9.1       ug/kg         91-58-7       2-Chloronaphthalene       ND       73       8.7       ug/kg         106-47-8       4-Chloroaniline       ND       180       13       ug/kg	85-68-7	Butyl benzyl phthalate <sup>a</sup>	ND	73	9.0	ug/kg	
91-58-7         2-Chloronaphthalene         ND         73         8.7         ug/kg           106-47-8         4-Chloroaniline         ND         180         13         ug/kg	92-52-4	1,1'-Biphenyl	ND	73	5.0	ug/kg	
106-47-8 4-Chloroaniline ND 180 13 ug/kg	100-52-7	Benzaldehyde	ND	180	9.1	ug/kg	
6 6	91-58-7	2-Chloronaphthalene	ND	73		ug/kg	
86-74-8 Carbazole ND 73 5.3 ug/kg	106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
	86-74-8	Carbazole	ND	73	5.3	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

**Date Received:** 01/30/25

Percent Solids: 87.6

# **Report of Analysis**

 Client Sample ID:
 HF-6 (1.5-2)

 Lab Sample ID:
 JE4905-9

 Matrix:
 SO - Soil

**Method:** SW846 8270E SW846 3546

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	CAS No. Compound		RL	MDL	Units	Q
105-60-2	Caprolactam <sup>a</sup>	ND	73	14	ug/kg	
218-01-9	Chrysene	21.4	37	12	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	73	7.9	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	73	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine <sup>a</sup>	ND	73	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	16	ug/kg	
132-64-9	Dibenzofuran	ND	73	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate <sup>a</sup>	ND	73	9.1	ug/kg	
84-66-2	Diethyl phthalate	ND	73	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate <sup>a</sup>	ND	73	8.6	ug/kg	
206-44-0	Fluoranthene	24.0	37	16	ug/kg	J
86-73-7	Fluorene	ND	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	9.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	37	17	ug/kg	
78-59-1	Isophorone	ND	73	7.9	ug/kg	
91-57-6	2-Methylnaphthalene	ND	37	8.3	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.7	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.2	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.5	ug/kg	
91-20-3	Naphthalene	ND	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	73	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	13.7	37	12	ug/kg	J
129-00-0	Pyrene	31.4	37	12	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.3	ug/kg	

CAS No. Surrogate Recoveries Run# 1 Run# 2 Limits

367-12-4 2-Fluorophenol 34% 10-99%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Page 3 of 3

 Client Sample ID:
 HF-6 (1.5-2)

 Lab Sample ID:
 JE4905-9
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 87.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limits		
4165-62-2 118-79-6 4165-60-0 321-60-8 1718-51-0	Phenol-d5 2,4,6-Tribromophenol Nitrobenzene-d5 2-Fluorobiphenyl	42% 51% 40% 46% 59%		10-96% 10-123% 10-109% 11-109% 10-120%		
CAS No.	Terphenyl-d14 59%  Tentatively Identified Compounds		R.T.	Est. Conc.	Units	Q
	Unknown Alkane Total TIC, Semi-Volatile		9.86 11.08	150 150 300	ug/kg ug/kg ug/kg	

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

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

Client Sample ID: HF-6 (1.5-2)

 Lab Sample ID:
 JE4905-9
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8081B
 SW846 3546
 Percent Solids:
 87.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 1G205966.D
 1
 02/04/25 06:40
 CP
 02/03/25 16:30
 OP61250
 G1G7403

Run #2

Run #1 15.3 g Final Volume

Run #2

#### **Pesticide TCL List**

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 

 Client Sample ID:
 HF-6 (1.5-2)

 Lab Sample ID:
 JE4905-9
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8082A
 SW846 3546
 Percent Solids:
 87.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 XX2520402.D
 1
 02/03/25 20:36 MLC
 02/03/25 16:30 OP61251 GXX8810

 Run #2
 GXX8810

Run #1 15.3 g 10.0 ml
Run #2

#### **PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016 <sup>a</sup>	ND	37	17	ug/kg	
11104-28-2	Aroclor 1221	ND	37	23	ug/kg	
11141-16-5	Aroclor 1232	ND	37	24	ug/kg	
53469-21-9	Aroclor 1242	ND	37	15	ug/kg	
12672-29-6	Aroclor 1248	ND	37	33	ug/kg	
11097-69-1	Aroclor 1254	ND	37	20	ug/kg	
11096-82-5	Aroclor 1260	ND	37	16	ug/kg	
11100-14-4	Aroclor 1268	ND	37	33	ug/kg	
37324-23-5	Aroclor 1262	ND	37	24	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
877-09-8	Tetrachloro-m-xylene	97%		10-17	74%	
877-09-8	Tetrachloro-m-xylene	90%		10-17	74%	
2051-24-3	Decachlorobiphenyl	64%		10-19	95%	
2051-24-3	Decachlorobiphenyl	68%		10-19	95%	

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Page 1 of 1

 Client Sample ID:
 HF-6 (1.5-2)

 Lab Sample ID:
 JE4905-9
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Percent Solids:
 87.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	<b>Prep Method</b>
Aluminum	11100	58	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Antimony	< 2.3	2.3	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Arsenic	3.8	2.3	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Barium	84.0	23	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Beryllium	0.58	0.23	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Cadmium <sup>a</sup>	< 2.9	2.9	mg/kg	5	01/31/25	02/03/25 MM	SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Calcium	40200	2900	mg/kg	5	01/31/25	02/03/25 MM	SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Chromium	13.8	1.2	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Cobalt	6.2	5.8	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Copper	18.0	2.9	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Iron	15600	58	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Lead	126	2.3	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Magnesium	25300	580	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Manganese	584	1.7	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Mercury	0.12	0.034	mg/kg	1	01/31/25	01/31/25 MK	SW846 7471B <sup>1</sup>	SW846 7471B <sup>5</sup>
Nickel	12.8	4.6	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Potassium	1230	1200	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Selenium	< 2.3	2.3	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Silver	< 0.58	0.58	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Sodium	< 1200	1200	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Thallium <sup>a</sup>	< 5.8	5.8	mg/kg	5	01/31/25	02/03/25 MM	SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Vanadium	22.5	5.8	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Zinc	63.7	5.8	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>

(1) Instrument QC Batch: MA57812
(2) Instrument QC Batch: MA57815
(3) Instrument QC Batch: MA57821
(4) Prep QC Batch: MP52479
(5) Prep QC Batch: MP52491

(a) Elevated detection limit due to dilution required for high interfering element.

Page 1 of 1

Client Sample ID: HF-6 (1.5-2) Lab Sample ID: JE4905-9 Matrix: SO - Soil

Date Sampled: 01/30/25 Date Received: 01/30/25 Percent Solids: 87.6

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Solids, Percent	< 0.33 87.6	0.33	mg/kg %	1 1	02/03/25 20:53 02/03/25 11:30		SW846 9012B/LACHAT SM2540 G 18TH ED MOD

Client Sample ID: HF-7 (1-1.5) Lab Sample ID: JE4905-10

 Lab Sample ID:
 JE4905-10
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 94.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 I264496.D
 1
 01/31/25 19:01
 JN
 01/31/25 07:50
 n/a
 VI10642

 Run #2
 VIII
 VIII
 VIII
 VIII
 VIII
 VIII

Run #2

**Initial Weight** 

Run #1 5.4 g

Run #2

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units Q	<u>)</u>
67-64-1	Acetone	ND	9.8	4.0	ug/kg	
71-43-2	Benzene	ND	0.49	0.44	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	0.55	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.42	ug/kg	
75-25-2	Bromoform	ND	4.9	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.9	0.75	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.8	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.52	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.60	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.45	ug/kg	
75-00-3	Chloroethane	ND	4.9	0.58	ug/kg	
67-66-3	Chloroform	ND	2.0	0.98	ug/kg	
74-87-3	Chloromethane	ND	4.9	1.9	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.64	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.68	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.55	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.98	0.41	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.98	0.53	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.98	0.48	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.98	0.48	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	0.71	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.98	0.48	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.98	0.46	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.98	0.64	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.98	0.82	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.98	0.60	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.46	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.46	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.45	ug/kg	
100-41-4	Ethylbenzene	ND	0.98	0.44	ug/kg	
76-13-1	Freon 113	ND	4.9	2.6	ug/kg	
591-78-6	2-Hexanone	ND	4.9	2.1	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

**Date Sampled:** 01/30/25

**Date Received:** 01/30/25

Percent Solids: 94.7

## **Report of Analysis**

Client Sample ID: HF-7 (1-1.5) Lab Sample ID: JE4905-10

 Matrix:
 SO - Soil

 Method:
 SW846 8260D

 SW846 5035

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q	
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	;	
79-20-9	Methyl Acetate	ND	4.9	1.4	ug/kg		
108-87-2	Methylcyclohexane	ND	2.0	0.86	ug/kg		
1634-04-4	Methyl Tert Butyl Ether	ND	0.98	0.46	ug/kg		
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.9	2.2	ug/kg		
75-09-2	Methylene chloride	ND	4.9	2.6	ug/kg		
100-42-5	Styrene	ND	2.0	0.39	ug/kg	;	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.59	ug/kg	;	
127-18-4	Tetrachloroethene	ND	2.0	0.57	ug/kg	;	
108-88-3	Toluene	ND	0.98	0.51	ug/kg	;	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	2.4	ug/kg	;	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	2.4	ug/kg	;	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.47	ug/kg	;	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.54	ug/kg	;	
79-01-6	Trichloroethene	ND	0.98	0.75	ug/kg		
75-69-4	Trichlorofluoromethane	ND	4.9	0.67	ug/kg		
75-01-4	Vinyl chloride	ND	2.0	0.47	ug/kg		
	m, p-Xylene	ND	0.98	0.88	ug/kg	;	
95-47-6	o-Xylene	ND	0.98	0.45	ug/kg	,	
1330-20-7	Xylene (total)	ND	0.98	0.45	ug/kg		
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	its		
1868-53-7	Dibromofluoromethane	120%		80-1	24%		
17060-07-0	1,2-Dichloroethane-D4	107%		75-1	33%		
2037-26-5	Toluene-D8	97%		79-1	25%		
460-00-4	4-Bromofluorobenzene	94%		58-1	48%		
CAS No.	Tentatively Identified Compo	ounds	R.T.	Est.	Conc.	Units	Q
	Total TIC, Volatile			0		ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

**Date Sampled:** 01/30/25

**Date Received:** 01/30/25

### **Report of Analysis**

Client Sample ID: HF-7 (1-1.5) Lab Sample ID: JE4905-10 Matrix: SO - Soil

Method: SW846 8270E SW846 3546

**Percent Solids:** 94.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

File ID DF Analyzed By **Prep Date Prep Batch Analytical Batch** Run #1 6P520004.D 1 02/03/25 17:41 KH 02/02/25 16:25 OP61245 E6P4359

Run #2

**Final Volume Initial Weight** 

Run #1 1.0 ml 30.4 g

Run #2

#### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	69	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	62	ug/kg	
51-28-5	2,4-Dinitrophenol <sup>a</sup>	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	37	ug/kg	
95-48-7	2-Methylphenol	ND	69	22	ug/kg	
	3&4-Methylphenol	ND	69	29	ug/kg	
88-75-5	2-Nitrophenol <sup>a</sup>	ND	170	23	ug/kg	
100-02-7	4-Nitrophenol	ND	350	93	ug/kg	
87-86-5	Pentachlorophenol	ND	140	33	ug/kg	
108-95-2	Phenol	ND	69	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	21	ug/kg	
83-32-9	Acenaphthene	ND	35	12	ug/kg	
208-96-8	Acenaphthylene	ND	35	18	ug/kg	
98-86-2	Acetophenone	ND	170	7.5	ug/kg	
120-12-7	Anthracene	ND	35	21	ug/kg	
1912-24-9	Atrazine	ND	69	15	ug/kg	
56-55-3	Benzo(a)anthracene	29.2	35	9.8	ug/kg	J
50-32-8	Benzo(a)pyrene	20.4	35	16	ug/kg	J
205-99-2	Benzo(b)fluoranthene	28.9	35	15	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	35	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	13	ug/kg	
85-68-7	Butyl benzyl phthalate <sup>a</sup>	ND	69	8.5	ug/kg	
92-52-4	1,1'-Biphenyl	ND	69	4.8	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	8.3	ug/kg	
106-47-8	4-Chloroaniline	ND	170	13	ug/kg	
86-74-8	Carbazole	ND	69	5.0	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

 Client Sample ID:
 HF-7 (1-1.5)

 Lab Sample ID:
 JE4905-10
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 94.7

Method: SW846 8270E SW846 3546

Project: Ossining Investigation, 34 State Street, Ossining, NY

#### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam <sup>a</sup>	ND	69	14	ug/kg	
218-01-9	Chrysene	29.1	35	11	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	69	7.4	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	69	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	35	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	35	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine <sup>a</sup>	ND	69	29	ug/kg	
123-91-1	1,4-Dioxane	ND	35	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	15	ug/kg	
132-64-9	Dibenzofuran	ND	69	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	5.7	ug/kg	
117-84-0	Di-n-octyl phthalate <sup>a</sup>	ND	69	8.6	ug/kg	
84-66-2	Diethyl phthalate	ND	69	7.4	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	6.2	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate <sup>b</sup>	24.9	69	8.1	ug/kg	J
206-44-0	Fluoranthene	48.5	35	15	ug/kg	
86-73-7	Fluorene	ND	35	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	8.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	350	14	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	16	ug/kg	
78-59-1	Isophorone	ND	69	7.4	ug/kg	
91-57-6	2-Methylnaphthalene	ND	35	7.9	ug/kg	
88-74-4	2-Nitroaniline	ND	170	8.2	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.7	ug/kg	
100-01-6	4-Nitroaniline	ND	170	9.0	ug/kg	
91-20-3	Naphthalene	ND	35	9.8	ug/kg	
98-95-3	Nitrobenzene	ND	69	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	13	ug/kg	
85-01-8	Phenanthrene	43.3	35	12	ug/kg	
129-00-0	Pyrene	51.0	35	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.8	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	

367-12-4 2-Fluorophenol 58% 10-99%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Page 3 of 3

**Date Sampled:** 01/30/25

94.7

Client Sample ID: HF-7 (1-1.5) Lab Sample ID: JE4905-10

Matrix: SO - Soil **Date Received:** 01/30/25 Percent Solids: Method: SW846 8270E SW846 3546

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### ABN TCL List (SOM0 2.0)

CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limits		
4165-62-2	Phenol-d5	62%		10-96%		
118-79-6	2,4,6-Tribromophenol	49%		10-123%		
4165-60-0	Nitrobenzene-d5	78%		10-109%		
321-60-8	2-Fluorobiphenyl	72%		11-109%		
1718-51-0	Terphenyl-d14	93%		10-120%		
CAS No.	Tentatively Identified Compounds		R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile			0	ug/kg	

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

<sup>(</sup>b) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.

Client Sample ID: HF-7 (1-1.5) Lab Sample ID: JE4905-10

 Lab Sample ID:
 JE4905-10
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8081B
 SW846 3546
 Percent Solids:
 94.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 1G205967.D
 1
 02/04/25 06:56
 CP
 02/03/25 16:30
 OP61250
 G1G7403

Run #2

Run #1 15.2 g Final Volume

Run #2

#### **Pesticide TCL List**

CAS No.	Compound	Result	RL MDL Units			Q
309-00-2	Aldrin	ND	0.69	0.57	ug/kg	
319-84-6	alpha-BHC	ND	0.69	0.56	ug/kg	
319-85-7	beta-BHC	ND	0.69	0.63	ug/kg	
319-86-8	delta-BHC	ND	0.69	0.67	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.69	0.51	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.69	0.56	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.69	0.31	ug/kg	
60-57-1	Dieldrin	ND	0.69	0.48	ug/kg	
72-54-8	4,4'-DDD	ND	0.69	0.64	ug/kg	
72-55-9	4,4'-DDE	0.78	0.69	0.61	ug/kg	
50-29-3	4,4'-DDT	0.85	0.69	0.62	ug/kg	
72-20-8	Endrin	ND	0.69	0.54	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.69	0.54	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.69	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.69	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	0.69	0.43	ug/kg	
76-44-8	Heptachlor	ND	0.69	0.60	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.69	0.49	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.55	ug/kg	
53494-70-5	Endrin ketone	ND	0.69	0.50	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limi	ts	
877-09-8	Tetrachloro-m-xylene	92%		13-10	52%	
877-09-8	Tetrachloro-m-xylene	94%		13-10	52%	
2051-24-3	Decachlorobiphenyl	115%	10-180%			
2051-24-3	Decachlorobiphenyl	88%		10-18	80%	

ND = Not detected MDL = Method Detection Limit J = Indicates the substitution of

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

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

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Page 1 of 1

 Client Sample ID:
 HF-7 (1-1.5)

 Lab Sample ID:
 JE4905-10
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8082A
 SW846 3546
 Percent Solids:
 94.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 XX2520403.D
 1
 02/03/25 20:54 MLC
 02/03/25 16:30 OP61251 GXX8810

 Run #2
 GXX8810

Initial Weight Final Volume
Run #1 15.2 g 10.0 ml
Run #2

#### **PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016 <sup>a</sup>	ND	35	16	ug/kg	
11104-28-2	Aroclor 1221	ND	35	22	ug/kg	
11141-16-5	Aroclor 1232	ND	35	22	ug/kg	
53469-21-9	Aroclor 1242	ND	35	14	ug/kg	
12672-29-6	Aroclor 1248	ND	35	31	ug/kg	
11097-69-1	Aroclor 1254	ND	35	19	ug/kg	
11096-82-5	Aroclor 1260	ND	35	15	ug/kg	
11100-14-4	Aroclor 1268	ND	35	30	ug/kg	
37324-23-5	Aroclor 1262	ND	35	23	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
877-09-8	Tetrachloro-m-xylene	106%		10-17	74%	
877-09-8	Tetrachloro-m-xylene	103%		10-17	74%	
2051-24-3	Decachlorobiphenyl	71%	10-195%			
2051-24-3	Decachlorobiphenyl	79%		10-19	95%	

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

Page 1 of 1

 Client Sample ID:
 HF-7 (1-1.5)

 Lab Sample ID:
 JE4905-10
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Percent Solids:
 94.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed	Ву	Method	Prep Method
Aluminum	1760	52	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Antimony	< 2.1	2.1	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Arsenic	2.3	2.1	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Barium	46.5	21	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Beryllium	< 0.21	0.21	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Cadmium <sup>a</sup>	< 5.2	5.2	mg/kg	10	01/31/25	02/03/25	MM	SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Calcium	159000	5200	mg/kg	10	01/31/25	02/03/25	MM	SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Chromium	3.5	1.0	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Cobalt	< 5.2	5.2	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Copper	7.4	2.6	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Iron	5550	52	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Lead	12.3	2.1	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Magnesium	80300	5200	mg/kg	10	01/31/25	02/03/25	MM	SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Manganese	146	1.6	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Mercury	< 0.027	0.027	mg/kg	1	01/31/25	01/31/25	MK	SW846 7471B <sup>1</sup>	SW846 7471B <sup>5</sup>
Nickel	4.9	4.1	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Potassium	< 1000	1000	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Selenium <sup>a</sup>	< 21	21	mg/kg	10	01/31/25	02/03/25	MM	SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Silver	< 0.52	0.52	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Sodium	< 1000	1000	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Thallium	< 1.0	1.0	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Vanadium	5.7	5.2	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Zinc	14.2	5.2	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>

(1) Instrument QC Batch: MA57812
(2) Instrument QC Batch: MA57815
(3) Instrument QC Batch: MA57821
(4) Prep QC Batch: MP52479
(5) Prep QC Batch: MP52491

(a) Elevated detection limit due to dilution required for high interfering element.

Page 1 of 1

Client Sample ID: HF-7 (1-1.5) Lab Sample ID: JE4905-10 Matrix: SO - Soil

Date Sampled: 01/30/25 Date Received: 01/30/25 Percent Solids: 94.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.23	0.23	mg/kg	1	02/03/25 20:54	JD	SW846 9012B/LACHAT
Solids, Percent	94.7		%	1	02/03/25 11:30	DP	SM2540 G 18TH ED MOD

**Client Sample ID:** HF-8 (4-4.5)

Lab Sample ID: **Date Sampled:** 01/30/25 JE4905-11 Matrix: SO - Soil **Date Received:** 01/30/25 Method: SW846 8260D SW846 5035 **Percent Solids:** 87.5

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

File ID DF Analyzed By **Prep Date Prep Batch Analytical Batch** Run #1 I264497.D 1 01/31/25 19:23 JN 01/31/25 07:50 VI10642 n/a Run #2

**Initial Weight** 

Run #1 6.0 g

Run #2

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units Q
67-64-1	Acetone	ND	9.5	3.9	ug/kg
71-43-2	Benzene	ND	0.48	0.43	ug/kg
74-97-5	Bromochloromethane	ND	4.8	0.53	ug/kg
75-27-4	Bromodichloromethane	ND	1.9	0.41	ug/kg
75-25-2	Bromoform	ND	4.8	1.3	ug/kg
74-83-9	Bromomethane	ND	4.8	0.73	ug/kg
78-93-3	2-Butanone (MEK)	ND	9.5	2.3	ug/kg
75-15-0	Carbon disulfide	ND	1.9	0.51	ug/kg
56-23-5	Carbon tetrachloride	ND	1.9	0.59	ug/kg
108-90-7	Chlorobenzene	ND	1.9	0.44	ug/kg
75-00-3	Chloroethane	ND	4.8	0.56	ug/kg
67-66-3	Chloroform	ND	1.9	0.95	ug/kg
74-87-3	Chloromethane	ND	4.8	1.9	ug/kg
110-82-7	Cyclohexane	ND	1.9	0.63	ug/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.66	ug/kg
124-48-1	Dibromochloromethane	ND	1.9	0.53	ug/kg
106-93-4	1,2-Dibromoethane	ND	0.95	0.40	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	0.95	0.52	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	0.95	0.47	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	0.95	0.47	ug/kg
75-71-8	Dichlorodifluoromethane	ND	4.8	0.69	ug/kg
75-34-3	1,1-Dichloroethane	ND	0.95	0.47	ug/kg
107-06-2	1,2-Dichloroethane	ND	0.95	0.45	ug/kg
75-35-4	1,1-Dichloroethene	ND	0.95	0.62	ug/kg
156-59-2	cis-1,2-Dichloroethene	ND	0.95	0.80	ug/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.95	0.58	ug/kg
78-87-5	1,2-Dichloropropane	ND	1.9	0.45	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.45	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.44	ug/kg
100-41-4	Ethylbenzene	ND	0.95	0.43	ug/kg
76-13-1	Freon 113	ND	4.8	2.5	ug/kg
591-78-6	2-Hexanone	ND	4.8	2.0	ug/kg

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

**Date Sampled:** 01/30/25

**Date Received:** 01/30/25

**Percent Solids:** 87.5

## **Report of Analysis**

Client Sample ID: HF-8 (4-4.5) Lab Sample ID: JE4905-11

 Matrix:
 SO - Soil

 Method:
 SW846 8260D
 SW846 5035

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q	
98-82-8	Isopropylbenzene	ND	1.9	1.4	ug/kg	Ţ	
79-20-9	Methyl Acetate	ND	4.8	1.3	ug/kg	,	
108-87-2	Methylcyclohexane	ND	1.9	0.83	ug/kg		
1634-04-4	Methyl Tert Butyl Ether	ND	0.95	0.45	ug/kg	,	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.8	2.2	ug/kg	,	
75-09-2	Methylene chloride	ND	4.8	2.5	ug/kg	,	
100-42-5	Styrene	ND	1.9	0.38	ug/kg	Ţ	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.57	ug/kg	,	
127-18-4	Tetrachloroethene	ND	1.9	0.55	ug/kg	,	
108-88-3	Toluene	ND	0.95	0.50	ug/kg	,	
87-61-6	1,2,3-Trichlorobenzene	ND	4.8	2.4	ug/kg	,	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	2.4	ug/kg	,	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.46	ug/kg	,	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.53	ug/kg	,	
79-01-6	Trichloroethene	ND	0.95	0.73	ug/kg	Ţ	
75-69-4	Trichlorofluoromethane	ND	4.8	0.65	ug/kg	,	
75-01-4	Vinyl chloride	ND	1.9	0.46	ug/kg	,	
	m, p-Xylene	ND	0.95	0.85	ug/kg	,	
95-47-6	o-Xylene	ND	0.95	0.44	ug/kg	,	
1330-20-7	Xylene (total)	ND	0.95	0.44	ug/kg	5	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	its		
1868-53-7	Dibromofluoromethane	118%		80-12	24%		
17060-07-0	1,2-Dichloroethane-D4	105%		75-13	33%		
2037-26-5	Toluene-D8	95%		79-12	25%		
460-00-4	4-Bromofluorobenzene	93%		58-14	48%		
CAS No.	<b>Tentatively Identified Compo</b>	ounds	R.T.	Est.	Conc.	Units	Q
	Total TIC, Volatile		0		ug/kg		

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

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

Client Sample ID: HF-8 (4-4.5) Lab Sample ID: JE4905-11

 Lab Sample ID:
 JE4905-11
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 87.5

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 6P520016.D
 1
 02/03/25 21:31
 KH
 02/02/25 16:25
 OP61245
 E6P4359

Run #2

Initial Weight Final Volume

Run #1 31.3 g 1.0 ml

Run #2

#### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	73	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
51-28-5	2,4-Dinitrophenol <sup>a</sup>	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	73	23	ug/kg	
	3&4-Methylphenol	ND	73	30	ug/kg	
88-75-5	2-Nitrophenol <sup>a</sup>	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	370	97	ug/kg	
87-86-5	Pentachlorophenol	ND	150	34	ug/kg	
108-95-2	Phenol	ND	73	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	ND	37	13	ug/kg	
208-96-8	Acenaphthylene	ND	37	19	ug/kg	
98-86-2	Acetophenone	ND	180	7.9	ug/kg	
120-12-7	Anthracene	ND	37	22	ug/kg	
1912-24-9	Atrazine	ND	73	16	ug/kg	
56-55-3	Benzo(a)anthracene	ND	37	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	73	14	ug/kg	
85-68-7	Butyl benzyl phthalate <sup>a</sup>	ND	73	8.9	ug/kg	
92-52-4	1,1'-Biphenyl	ND	73	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.1	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	8.7	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	73	5.3	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

**Date Sampled:** 01/30/25

**Date Received:** 01/30/25

**Percent Solids:** 87.5

## **Report of Analysis**

Client Sample ID: HF-8 (4-4.5)
Lab Sample ID: JE4905-11
Matrix: SO - Soil

**Method:** SW846 8270E SW846 3546

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam <sup>a</sup>	ND	73	14	ug/kg	
218-01-9	Chrysene	ND	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	7.8	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	73	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine <sup>a</sup>	ND	73	30	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	16	ug/kg	
132-64-9	Dibenzofuran	ND	73	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate <sup>a</sup>	ND	73	9.1	ug/kg	
84-66-2	Diethyl phthalate	ND	73	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate <sup>a</sup>	ND	73	8.5	ug/kg	
206-44-0	Fluoranthene	ND	37	16	ug/kg	
86-73-7	Fluorene	ND	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	9.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	37	17	ug/kg	
78-59-1	Isophorone	ND	73	7.8	ug/kg	
91-57-6	2-Methylnaphthalene	ND	37	8.3	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.6	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.1	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.5	ug/kg	
91-20-3	Naphthalene	ND	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	73	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	ND	37	12	ug/kg	
129-00-0	Pyrene	ND	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.3	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	2 Limits		

367-12-4 2-Fluorophenol 50% 10-99%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Page 3 of 3

**Date Sampled:** 01/30/25

Client Sample ID: HF-8 (4-4.5)
Lab Sample ID: JE4905-11
Matrix: SO - Soil

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 87.5

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

Run# 1	Run# 2	Limits		
Phenol-d5 53% 2,4,6-Tribromophenol 68% Nitrobenzene-d5 53% 2-Fluorobiphenyl 57% Terphenyl-d14 59%  Tentatively Identified Compounds				
pounds	R.T.	Est. Conc.	Units	Q
	7.96 7.99 8.67 9.87 10.10 10.48 10.60 10.63 10.67 10.77 10.85 10.88 11.08 11.67 11.81 13.19 13.49 13.87	150 210 160 200 150 290 200 310 290 150 190 180 230 430 230 620 180 390	ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	1 1 1 1 1 1 1 1 1 1
	68% 53% 57% 59%	68% 53% 57% 59%  Pounds  R.T.  7.96 7.99 8.67 9.87 10.10 10.48 10.60 10.63 10.67 10.77 10.85 10.88 11.08 11.67 11.81 13.19 13.49	68% 53% 57% 57% 59%  R.T.  Est. Conc.  7.96 7.99 210 8.67 160 9.87 200 10.10 150 10.48 290 10.60 200 10.63 310 10.67 290 10.77 150 10.85 190 10.88 180 11.08 230 11.67 430 11.81 230 13.19 620 13.49 180	68% 53% 57% 57% 11-109% 10-120%   Pounds  R.T. Est. Conc. Units  7.96 7.99 210 8.67 160 9.87 200 10.48 290 10.48 290 10.60 200 10.63 310 10.63 310 10.67 290 10.67 290 10.85 10.85 190 10.85 10.88 180 10.88 180 10.88 180 10.88 11.08 230 11.81 230 12/kg 13.19 620 12/kg 13.49 180 12/kg 13.49 180 10/kg

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

Page 1 of 1

Client Sample ID: HF-8 (4-4.5)

 Lab Sample ID:
 JE4905-11
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8081B
 SW846 3546
 Percent Solids:
 87.5

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 1G205968.D
 1
 02/04/25 07:12
 CP
 02/03/25 16:30
 OP61250
 G1G7403

Run #2

Run #1 15.1 g Final Volume

Run #2

#### **Pesticide TCL List**

CAS No.	Compound	Result	RL MDL Un		Units	Q
309-00-2	Aldrin	ND	0.76	0.62	ug/kg	
319-84-6	alpha-BHC	ND	0.76	0.62	ug/kg	
319-85-7	beta-BHC	ND	0.76	0.68	ug/kg	
319-86-8	delta-BHC	ND	0.76	0.73	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.76	0.56	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.76	0.61	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.76	0.34	ug/kg	
60-57-1	Dieldrin	ND	0.76	0.52	ug/kg	
72-54-8	4,4'-DDD	ND	0.76	0.69	ug/kg	
72-55-9	4,4'-DDE	ND	0.76	0.66	ug/kg	
50-29-3	4,4'-DDT	ND	0.76	0.67	ug/kg	
72-20-8	Endrin	ND	0.76	0.59	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.76	0.59	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.76	0.43	ug/kg	
959-98-8	Endosulfan-I	ND	0.76	0.44	ug/kg	
33213-65-9	Endosulfan-II	ND	0.76	0.47	ug/kg	
76-44-8	Heptachlor	ND	0.76	0.65	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.76	0.53	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.60	ug/kg	
53494-70-5	Endrin ketone	ND	0.76	0.55	ug/kg	
8001-35-2	Toxaphene	ND	19	18	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limits		
877-09-8	Tetrachloro-m-xylene	100%		13-16	52%	
877-09-8	Tetrachloro-m-xylene	92%		13-16	52%	
2051-24-3	Decachlorobiphenyl	111%		10-18	30%	
2051-24-3	Decachlorobiphenyl	81%		10-18	80%	

ND = Not detected MDL = Meth

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Page 1 of 1

 Client Sample ID:
 HF-8 (4-4.5)

 Lab Sample ID:
 JE4905-11
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8082A
 SW846 3546
 Percent Solids:
 87.5

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 XX2520404.D
 1
 02/03/25 21:12
 MLC
 02/03/25 16:30
 OP61251
 GXX8810

 Run #2
 GXX8810
 OP61251
 OP61251
 OP61251
 OP61251

Run #1 15.1 g 10.0 ml
Run #2

#### **PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016 <sup>a</sup>	ND	38	18	ug/kg	
11104-28-2	Aroclor 1221	ND	38	23	ug/kg	
11141-16-5	Aroclor 1232	ND	38	24	ug/kg	
53469-21-9	Aroclor 1242	ND	38	16	ug/kg	
12672-29-6	Aroclor 1248	ND	38	34	ug/kg	
11097-69-1	Aroclor 1254	ND	38	20	ug/kg	
11096-82-5	Aroclor 1260	ND	38	16	ug/kg	
11100-14-4	Aroclor 1268	ND	38	33	ug/kg	
37324-23-5	Aroclor 1262	ND	38	25	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	2 Limits		
877-09-8	Tetrachloro-m-xylene	119%		10-17	74%	
877-09-8	Tetrachloro-m-xylene	114%		10-17	74%	
2051-24-3	Decachlorobiphenyl	81%		10-19	95%	
2051-24-3	Decachlorobiphenyl	80%	10-195%			

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J =

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Page 1 of 1

Client Sample ID: HF-8 (4-4.5)
Lab Sample ID: JE4905-11
Matrix: SO - Soil
Date Sampled: 01/30/25
Percent Solids: 87.5

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	12500	55	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Antimony	< 2.2	2.2	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Arsenic	3.4	2.2	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Barium	65.4	22	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.57	0.22	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 0.55	0.55	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Calcium	1480	550	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Chromium	14.7	1.1	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Cobalt	7.4	5.5	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Copper	11.5	2.7	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Iron	18500	55	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Lead	70.3	2.2	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Magnesium	5000	550	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Manganese	404	1.6	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Mercury	0.088	0.030	mg/kg	1	01/31/25	01/31/25	MK	SW846 7471B <sup>1</sup>	SW846 7471B <sup>4</sup>
Nickel	13.7	4.4	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Potassium	1120	1100	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Selenium	< 2.2	2.2	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Silver	< 0.55	0.55	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Sodium	< 1100	1100	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Thallium	< 1.1	1.1	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Vanadium	23.1	5.5	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Zinc	43.1	5.5	mg/kg	1	01/31/25	01/31/25	MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA57812(2) Instrument QC Batch: MA57815(3) Prep QC Batch: MP52479(4) Prep QC Batch: MP52491

Page 1 of 1

Client Sample ID: HF-8 (4-4.5) Lab Sample ID: JE4905-11 Matrix: SO - Soil

Date Sampled: 01/30/25 Date Received: 01/30/25 Percent Solids: 87.5

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.24	0.24	mg/kg	1	02/03/25 20:55	JD	SW846 9012B/LACHAT
Solids, Percent	87.5		%	1	02/03/25 11:30	DP	SM2540 G 18TH ED MOD

**Client Sample ID:** HF-9 (1-1.5)

 Lab Sample ID:
 JE4905-12
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 87.4

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 I264498.D
 1
 01/31/25 19:45
 JN
 01/31/25 07:50
 n/a
 VI10642

 Run #2
 VIII
 VIII
 VIII
 VIII
 VIII
 VIII

Initial Weight

Run #1 5.7 g

Run #2

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units Q	)
67-64-1	Acetone	ND	10	4.2	ug/kg	
71-43-2	Benzene	ND	0.50	0.46	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.56	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.43	ug/kg	
75-25-2	Bromoform	ND	5.0	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.77	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.54	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.62	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.46	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.59	ug/kg	
67-66-3	Chloroform	ND	2.0	1.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.70	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.56	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.42	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.55	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.73	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.84	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.61	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.47	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.46	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.45	ug/kg	
76-13-1	Freon 113	ND	5.0	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.1	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

**Date Sampled:** 01/30/25

## **Report of Analysis**

Client Sample ID: HF-9 (1-1.5) Lab Sample ID: JE4905-12

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 87.4

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q	
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	;	
79-20-9	Methyl Acetate	ND	5.0	1.4	ug/kg		
108-87-2	Methylcyclohexane	ND	2.0	0.88	ug/kg		
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.47	ug/kg		
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	2.3	ug/kg		
75-09-2	Methylene chloride	3.0	5.0	2.6	ug/kg	J	
100-42-5	Styrene	ND	2.0	0.40	ug/kg		
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/kg		
127-18-4	Tetrachloroethene	ND	2.0	0.58	ug/kg		
108-88-3	Toluene	ND	1.0	0.53	ug/kg		
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/kg		
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/kg		
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.48	ug/kg		
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.56	ug/kg		
79-01-6	Trichloroethene	ND	1.0	0.76	ug/kg	;	
75-69-4	Trichlorofluoromethane	ND	5.0	0.69	ug/kg	;	
75-01-4	Vinyl chloride	ND	2.0	0.48	ug/kg	;	
	m, p-Xylene	ND	1.0	0.90	ug/kg	;	
95-47-6	o-Xylene	ND	1.0	0.46	ug/kg	;	
1330-20-7	Xylene (total)	ND	1.0	0.46	ug/kg		
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its		
1868-53-7	Dibromofluoromethane	118%		80-1	24%		
17060-07-0	1,2-Dichloroethane-D4	108%		75-1	33%		
2037-26-5	Toluene-D8	97%		79-1	25%		
460-00-4	4-Bromofluorobenzene	93%		58-1	48%		
CAS No.	Tentatively Identified Compo	ounds	R.T.	Est.	Conc.	Units	Q
	Total TIC, Volatile		0		ug/kg		

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

By

Client Sample ID: HF-9 (1-1.5) Lab Sample ID: JE4905-12

File ID

6P520005.D

 Matrix:
 SO - Soil

 Method:
 SW846 8270E
 SW846 3546

DF

1

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Analyzed

02/03/25 18:01 KH

Date Sampled: 01/30/25
Date Received: 01/30/25
Percent Solids: 87.4

Prep DatePrep BatchAnalytical Batch02/02/25 16:25OP61245E6P4359

Run #1 Run #2

Run #1 31.1 g Final Volume

Run #2

#### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	74	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
51-28-5	2,4-Dinitrophenol <sup>a</sup>	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	74	24	ug/kg	
	3&4-Methylphenol	ND	74	30	ug/kg	
88-75-5	2-Nitrophenol <sup>a</sup>	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	370	98	ug/kg	
87-86-5	Pentachlorophenol	ND	150	35	ug/kg	
108-95-2	Phenol	ND	74	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	158	37	13	ug/kg	
208-96-8	Acenaphthylene	ND	37	19	ug/kg	
98-86-2	Acetophenone	ND	180	7.9	ug/kg	
120-12-7	Anthracene	211	37	23	ug/kg	
1912-24-9	Atrazine	ND	74	16	ug/kg	
56-55-3	Benzo(a)anthracene	367	37	10	ug/kg	
50-32-8	Benzo(a)pyrene	304	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	351	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	167	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	138	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	74	14	ug/kg	
85-68-7	Butyl benzyl phthalate <sup>a</sup>	ND	74	9.0	ug/kg	
92-52-4	1,1'-Biphenyl	6.4	74	5.0	ug/kg	J
100-52-7	Benzaldehyde	17.1	180	9.1	ug/kg	J
91-58-7	2-Chloronaphthalene	ND	74	8.8	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	131	74	5.3	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

**Date Sampled:** 01/30/25

**Date Received:** 01/30/25

Percent Solids: 87.4

## **Report of Analysis**

| Client Sample ID: HF-9 (1-1.5) | Lab Sample ID: JE4905-12 | Matrix: SO - Soil

**Method:** SW846 8270E SW846 3546

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam <sup>a</sup>	ND	74	15	ug/kg	
218-01-9	Chrysene	338	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	74	7.9	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	74	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine <sup>a</sup>	ND	74	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	39.9	37	16	ug/kg	
132-64-9	Dibenzofuran	68.0	74	15	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	74	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate <sup>a</sup>	ND	74	9.2	ug/kg	
84-66-2	Diethyl phthalate	ND	74	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate b	15.3	74	8.6	ug/kg	J
206-44-0	Fluoranthene	823	37	16	ug/kg	
86-73-7	Fluorene	118	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	74	9.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	141	37	17	ug/kg	
78-59-1	Isophorone	ND	74	7.9	ug/kg	
91-57-6	2-Methylnaphthalene	25.0	37	8.3	ug/kg	J
88-74-4	2-Nitroaniline	ND	180	8.7	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.2	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.5	ug/kg	
91-20-3	Naphthalene	71.2	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	74	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	880	37	12	ug/kg	
129-00-0	Pyrene	781	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.3	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	

CAS No. Surrogate Recoveries Run# 1 Run# 2 Limits

367-12-4 2-Fluorophenol 58% 10-99%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Page 3 of 3

 Client Sample ID:
 HF-9 (1-1.5)

 Lab Sample ID:
 JE4905-12
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 87.4

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
4165-62-2	Phenol-d5	62%		10-96%		
118-79-6	2,4,6-Tribromophenol	76%		10-123%		
4165-60-0	Nitrobenzene-d5	64%		10-109%		
321-60-8	2-Fluorobiphenyl	63%		11-109%		
1718-51-0	Terphenyl-d14	80%		10-120%		
CACNO	Tantativals Identified Comme		R.T.	Est Cons	Timita	Λ
CAS No.	Tentatively Identified Compo	ounas	к. 1.	Est. Conc.	Ullits	Ų
CAS No.	·	ounus				
	Unknown acid	ounas	7.95	410	ug/kg	J
57-10-3	Unknown acid n-Hexadecanoic acid		7.95 7.99	410 420	ug/kg ug/kg	J JN
	Unknown acid n-Hexadecanoic acid 4H-Cyclopenta[def]phenanthre		7.95 7.99 8.06	410 420 180	ug/kg ug/kg ug/kg	J JN J
	Unknown acid n-Hexadecanoic acid		7.95 7.99	410 420	ug/kg ug/kg	J JN J
	Unknown acid n-Hexadecanoic acid 4H-Cyclopenta[def]phenanthre		7.95 7.99 8.06	410 420 180	ug/kg ug/kg ug/kg	J JN J J
	Unknown acid n-Hexadecanoic acid 4H-Cyclopenta[def]phenanthre Unknown PAH substance		7.95 7.99 8.06 11.25	410 420 180 230	ug/kg ug/kg ug/kg ug/kg	J JN J J

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

<sup>(</sup>b) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.

Client Sample ID: HF-9 (1-1.5)

 Lab Sample ID:
 JE4905-12
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8081B
 SW846 3546
 Percent Solids:
 87.4

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 1G205969.D
 1
 02/04/25 07:27 CP
 02/03/25 16:30 OP61250 G1G7403
 G1G7403

Run #2

Run #1 15.3 g Final Volume
10.0 ml

Run #2

#### **Pesticide TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.75	0.62	ug/kg	
319-84-6	alpha-BHC	ND	0.75	0.61	ug/kg	
319-85-7	beta-BHC	ND	0.75	0.68	ug/kg	
319-86-8	delta-BHC	ND	0.75	0.72	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.75	0.55	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.75	0.60	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.75	0.34	ug/kg	
60-57-1	Dieldrin	ND	0.75	0.51	ug/kg	
72-54-8	4,4'-DDD	ND	0.75	0.69	ug/kg	
72-55-9	4,4'-DDE	ND	0.75	0.66	ug/kg	
50-29-3	4,4'-DDT	ND	0.75	0.66	ug/kg	
72-20-8	Endrin	ND	0.75	0.58	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.75	0.58	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.75	0.42	ug/kg	
959-98-8	Endosulfan-I	ND	0.75	0.43	ug/kg	
33213-65-9	Endosulfan-II	ND	0.75	0.47	ug/kg	
76-44-8	Heptachlor	ND	0.75	0.64	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.75	0.52	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.59	ug/kg	
53494-70-5	Endrin ketone	ND	0.75	0.54	ug/kg	
8001-35-2	Toxaphene	ND	19	17	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
877-09-8	Tetrachloro-m-xylene	62%		13-16	52%	
877-09-8	Tetrachloro-m-xylene	55%		13-16	52%	
2051-24-3	Decachlorobiphenyl	88%		10-18	30%	
2051-24-3	Decachlorobiphenyl	62%		10-18	30%	

ND = Not detected MDL = Method Detection Limit J =

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

 Client Sample ID:
 HF-9 (1-1.5)

 Lab Sample ID:
 JE4905-12
 Date Sampled:
 01/30/25

 Matrix:
 SO - Soil
 Date Received:
 01/30/25

 Method:
 SW846 8082A
 SW846 3546
 Percent Solids:
 87.4

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 XX2520405.D
 1
 02/03/25 21:30
 MLC
 02/03/25 16:30
 OP61251
 GXX8810

 Run #2
 GXX8810
 OP61251
 OP61251
 OP61251
 OP61251

Run #1 15.3 g 10.0 ml
Run #2

#### **PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016 <sup>a</sup>	ND	37	17	ug/kg	
11104-28-2	Aroclor 1221	ND	37	23	ug/kg	
11141-16-5	Aroclor 1232	ND	37	24	ug/kg	
53469-21-9	Aroclor 1242	ND	37	15	ug/kg	
12672-29-6	Aroclor 1248	ND	37	33	ug/kg	
11097-69-1	Aroclor 1254	ND	37	20	ug/kg	
11096-82-5	Aroclor 1260	ND	37	16	ug/kg	
11100-14-4	Aroclor 1268	ND	37	33	ug/kg	
37324-23-5	Aroclor 1262	ND	37	24	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limi	ts	
877-09-8	Tetrachloro-m-xylene	69%		10-17	74%	
877-09-8	Tetrachloro-m-xylene	67%		10-17	74%	
2051-24-3	Decachlorobiphenyl	56%		10-19	95%	
2051-24-3	Decachlorobiphenyl	52%		10-19	95%	

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 

Page 1 of 1

| Client Sample ID: HF-9 (1-1.5) | Lab Sample ID: JE4905-12 | Date Sampled: 01/30/25 | Matrix: SO - Soil | Date Received: 01/30/25 | Percent Solids: 87.4

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	8980	55	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Antimony	< 2.2	2.2	mg/kg	1	01/31/25	01/31/25 MM	2	SW846 3050B <sup>3</sup>
Arsenic	< 2.2	2.2	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Barium	59.0	22	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.45	0.22	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 0.55	0.55	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Calcium	1500	550	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Chromium	14.7	1.1	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Cobalt	7.9	5.5	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Copper	15.8	2.7	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Iron	14800	55	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Lead	6.2	2.2	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Magnesium	3560	550	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Manganese	321	1.6	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Mercury	< 0.033	0.033	mg/kg	1	01/31/25	01/31/25 MK	SW846 7471B <sup>1</sup>	SW846 7471B <sup>4</sup>
Nickel	13.5	4.4	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Potassium	2360	1100	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Selenium	< 2.2	2.2	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Silver	< 0.55	0.55	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Sodium	< 1100	1100	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Thallium	< 1.1	1.1	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Vanadium	19.7	5.5	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Zinc	27.4	5.5	mg/kg	1	01/31/25	01/31/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA57812(2) Instrument QC Batch: MA57815(3) Prep QC Batch: MP52479(4) Prep QC Batch: MP52491

Page 1 of 1

Client Sample ID: HF-9 (1-1.5) Lab Sample ID: JE4905-12 Matrix: SO - Soil

Date Sampled: 01/30/25 Date Received: 01/30/25 Percent Solids: 87.4

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.25	0.25	mg/kg	1	02/03/25 20:56	JD	SW846 9012B/LACHAT
Solids, Percent	87.4		%	1	02/03/25 11:30	DP	SM2540 G 18TH ED MOD

CCC	Sil.				AIN C	-																Pag	<u> </u>	of _	
963			· · · · · · · · · · · · · · · · · · ·			30, Day 732-329	rton, NJ	2981		-					se	Quote #	ng#				SGS Jot	# Commo	"SY YELIQ	012c	26-75
Client / Reporting Information			Projec	t Inform		ys.com	rensusa												Analys	is Req	uested		<u> </u>		Matrix Co
Company Name: SESI	Project Name:	State	Snee	Lt.							_														DW - Drinking GW - Ground
959 USY6	Street 345tc	ate Stre	et –	Billing in	formation (If	ilfferent i	rom Repo	rt to)					-		7	2	-	-		<del></del>		. +	+		SW - Surface
POLS ALM NS U7054	OSSIM	<b>y</b> †	Ny	Company											] ·										SL- Study SED-Sedin OI - OI
hrismancin Chrismalul	Protect # A. O'S' N'C	1396	<u>8</u>	Street Ad	Gress				State				Zip			73.1						i			LIQ - Other L AIR - Air SOL - Other
973 518 8042				Attention:											ړ ⊢	)									WP - Wip FB - Field B EB-Equipment
Samplerie) Name(a) Konnie Kynost 1773 578	8795 Chr	3 mah	Colle			· T	т			Vumbe	r of Bo	ittes				_		L	pH Chec	ak (Lasbi	se Only	$\perp$	丄		RB - Rinse B TB - Trip Bis
sas sample # Field ID / Point of Collection	MEOHADI Visil #	Date	Time	Sempled by	Source Grade (G) Cristonia Comp (C) ed (Y/	Metrox	# of bottles	₽	A S	, F	os'±	Di Water	HEOH	ENCORE											<del> </del>
1 UST-1 (7-7,5)	9	130/25	IDIO	RK	Ö	591	4	Ī	Ž	-	¥ ;	i e	1	<u> </u>	1>	d		_	$\vdash$				+		LAB USE OF
2 UST-2 (8-8.5) 3 UST-2 (0-95)	1	-	1200	1		1	H			4	$\downarrow$					$\perp$						$\Box$	$\dashv$		1
4 HF-1 (6,5-7)			1300				$\Box$			1	1			$\vdash$	$\perp$	+		-				$\dashv$	+	+-	<del> </del>
5 Hf -2 (2-2,5) 6 Hf -3 (3,5-4)			1535	$\vdash$		$\Box$		$\perp$	$\Box$	-	-	-	-			$\perp$						1			1
7 HGY (0,5-1)			1400						$\exists$	$\perp$	$\dagger$		T		$\parallel$							$\dashv$	+	+	+
8 HE-5 (015-1) 9 HE-6 (1.5-2)			1510	H		H	+	H	$\dashv$		4	+	$\perp$	Н.	+				-				4	#	1
10 HF-7 (1-115)			1852							1	1				$\forall$								$\pm$	+	<del> </del>
11 HF-8 (4-415) 以 HF-9 (1-15)	$-\downarrow\downarrow$		1445 1500	1		1	1				-	+	╀	<u> </u>	Ц	1						$\dashv$	_	F	
Turn Around Time (I	Business Days)	L	ma		T T T	<u> </u>	Д	1	LL.	Deli	verab	le	1			<u> </u>						Comments	/ Special i	Instructions	
10 Business Days 5 Business Days 3 Susiness Days	Approved By (	(SGS PM) / Date	•		Commercial Commercial NJ Reduced	l "B" (Lev l (Level 3	rel 2)			X	NYASI MA M	P Categ P Categ CP Crit IP Crit	ory B eria _	_ N∶	<b>X</b> DE	C S	Scos		•3	*5g	En	دحء	-		
2 Susiness Days'  1 Susiness Days'  1 Susiness Days'						1 °C					State	Forms ormat													
All data available via SGS Engage  ample Custody must be documented below such time	Approval needed fo		ullan anı ala				Commercia	relat "C	" = Res	only; c	OM Sur	nmary (	Partia	Rew det	C Summ	ary						nttp://ww	w sas c	om/en/ten	ms-and-condition
Relinquished by: Dete / Tin	30:	Receive (By:	SON	Ü	RIS	7	Ž	Reline 2 ·=	ulshed	ву: <b>S</b> /	w	<	_	5	જ			7:7	4 1	30/29	Received 2	By: 20	am	ingl	,
Refinquished by: Date / Tin	· .	Received By: 3						4	ulshed									Date / Ti	me: 7 !	48	Received 4	By:		_	
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HSA-QAC-0023-06 Rev.Date:	9/24/2024								-					İ	niti	al A	- \sse	SS	me	nt <u>2</u>	B-3	a			IRSO
														-4	ah	e۱۱	/erifi	ica	tion	1					

JE4905: Chain of Custody Page 1 of 2

### **SGS Sample Receipt Summary**

Job Number:	JE4905 Clien	Project: 34 STATE STREET, OSSINING, N					
Date / Time Received:	1/30/2025 7:48:00 PM	Delivery Method:	SGS COURIER	Airbill #'s:			
Cooler Temps (Raw Mea	sured) °C: Cooler 1: (3.1	);					
Cooler Temps (Corr	rected) °C: Cooler 1: (3.5	5);					
Cooler Security	Y or N	Y or	N Sample Integr	ity - Documentation	Υ .	or N	
1. Custody Seals Present:	<b>☑</b> 3. COC	Present:	1. Sample labe	s present on bottles:	<b>✓</b>		
2. Custody Seals Intact:	4. Smpl Da	ites/Time OK	_ I '	peling complete:	•		
Cooler Temperature	Y or N		3. Sample cont	ainer label / COC agree:	•		
1. Temp criteria achieved:			Sample Integ	rity - Condition	Υ .	or N	
<ol><li>Cooler temp verification:</li></ol>	IR-50	_	Sample recv	<del>-</del>	<b>✓</b>		
3. Cooler media:	Ice (Bag)	<u> </u>		s accounted for:	•		
4. No. Coolers:	1	_	3. Condition of	sample:	Ir	ntact	
Quality Control Preserv	ratio Y or N N	<u>'A</u>	Sample Inter	rity - Instructions	Y	or N	N/A
•			<u>oampio intog</u>	ity - manuchona		<i>/</i> 1 11	,, .
Trip Blank present / cool	er:			uested is clear:	<u></u>		
Trip Blank present / cool     Trip Blank listed on COC	er: 🔲 🗸		1. Analysis red	-			
	ler:		Analysis rece     Bottles rece	uested is clear:			
2. Trip Blank listed on COC	ler:	]	Analysis rec     Bottles rece     Sufficient vo	uested is clear: ived for unspecified tests		□ •	<u> </u>
Trip Blank listed on COC     Samples preserved prop	er:	]	Analysis rec     Bottles rece     Sufficient vo	uested is clear: ived for unspecified tests ilume recvd for analysis: g instructions clear:		<ul><li>✓</li></ul>	
Trip Blank listed on COC     Samples preserved prop	er:	3	Analysis rec     Bottles rece     Sufficient vo     Compositing     Filtering inst	uested is clear: ived for unspecified tests slume recvd for analysis: g instructions clear: ructions clear:	✓ □ ✓	 	y y
Trip Blank listed on COC     Samples preserved prop     VOCs headspace free:	er:	3	Analysis rec     Bottles rece     Sufficient vo     Compositing     Filtering inst	uested is clear: ived for unspecified tests slume recvd for analysis: g instructions clear: ructions clear:	\ \ \ \ \	 	y y
Trip Blank listed on COC     Samples preserved prop     VOCs headspace free:  Test Strip Lot #s:	er:	3	Analysis rec     Bottles rece     Sufficient vo     Compositing     Filtering inst	uested is clear: ived for unspecified tests slume recvd for analysis: g instructions clear: ructions clear:	\ \ \ \ \	 	y y
Trip Blank listed on COC     Samples preserved prop     VOCs headspace free:  Test Strip Lot #s:	er:	3	Analysis rec     Bottles rece     Sufficient vo     Compositing     Filtering inst	uested is clear: ived for unspecified tests slume recvd for analysis: g instructions clear: ructions clear:	\ \ \ \ \	 	y y
Trip Blank listed on COC     Samples preserved prop     VOCs headspace free:  Test Strip Lot #s:	er:	3	Analysis rec     Bottles rece     Sufficient vo     Compositing     Filtering inst	uested is clear: ived for unspecified tests slume recvd for analysis: g instructions clear: ructions clear:	\ \ \ \ \	 	y y

SM089-03 Rev. Date 12/7/17

**JE4905: Chain of Custody** 

Page 2 of 2



### Dayton, NJ

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

e-Hardcopy 2.0
Automated Report



### **SESI Consulting Engineers**

Ossining Investigation, 34 State Street, Ossining, NY

13968

SGS Job Number: JE5000

Sampling Date: 01/31/25



FD@sesi.org james.vandervliet@sesi.org chris.malvicini@sesi.org

ATTN: Distribution4

Total number of pages in report: 50



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Uya 4. Gonou
Olga Azarian

Olga Azarıan Technical Director

Client Service contact: Louie Devletter 732-329-0200 Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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

## **Sample Summary**

**SESI** Consulting Engineers

**Job No:** JE5000

Ossining Investigation, 34 State Street, Ossining, NY

Project No: 13968

Sample Number	Collected Date Time By	Matrix Received Code Type	Client Sample ID	
This report of Organics ND		as ND = Not detected. The follocted above the MDL	owing applies:	
JE5000-1	01/31/25 08:45 RR	01/31/25 SO Soil	HF-10 (1-1.5)	
JE5000-2	01/31/25 09:15 RR	01/31/25 SO Soil	HF-11 (0.5-1)	
JE5000-3	01/31/25 13:40 RR	01/31/25 SO Soil	HF-12 (4-4.5)	
JE5000-4	01/31/25 10:50 RR	01/31/25 SO Soil	HPO-1 (13.5-14)	
JE5000-5	01/31/25 10:15 RR	01/31/25 SO Soil	HPO-2 (1.5-2)	

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

**Client Sample ID:** HF-10 (1-1.5) Lab Sample ID: **Date Sampled:** 01/31/25 JE5000-1 Matrix: SO - Soil **Date Received:** 01/31/25 Method: SW846 8260D SW846 5035 **Percent Solids:** 89.3

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

File ID DF Analyzed By **Prep Date Prep Batch Analytical Batch** 02/03/25 15:57 PS Run #1 3C192085.D 1 02/01/25 06:35 V3C8349 n/a Run #2

**Initial Weight** Run #1 4.8 g Run #2

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	4.8	ug/kg	
71-43-2	Benzene	ND	0.58	0.53	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	0.65	ug/kg	
75-27-4	Bromodichloromethane	ND	2.3	0.50	ug/kg	
75-25-2	Bromoform	ND	5.8	1.6	ug/kg	
74-83-9	Bromomethane	ND	5.8	0.89	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.8	ug/kg	
75-15-0	Carbon disulfide	ND	2.3	0.62	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.3	0.72	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	0.54	ug/kg	
75-00-3	Chloroethane a	ND	5.8	0.69	ug/kg	
67-66-3	Chloroform	ND	2.3	1.2	ug/kg	
74-87-3	Chloromethane	ND	5.8	2.3	ug/kg	
110-82-7	Cyclohexane	ND	2.3	0.77	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.3	0.81	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	0.65	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.49	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.64	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.58	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.58	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	0.85	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.58	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.55	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.76	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.98	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.71	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	0.55	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.55	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.53	ug/kg	
100-41-4	Ethylbenzene	0.78	1.2	0.53	ug/kg	J
76-13-1	Freon 113	ND	5.8	3.1	ug/kg	
591-78-6	2-Hexanone	ND	5.8	2.5	ug/kg	

ND = Not detectedMDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

 Client Sample ID:
 HF-10 (1-1.5)

 Lab Sample ID:
 JE5000-1
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 89.3

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q	
98-82-8	Isopropylbenzene	ND	2.3	1.7	ug/kg		
79-20-9	Methyl Acetate	ND	5.8	1.6	ug/kg		
108-87-2	Methylcyclohexane	ND	2.3	1.0	ug/kg		
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.55	ug/kg		
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	2.6	ug/kg		
75-09-2	Methylene chloride	ND	5.8	3.0	ug/kg		
100-42-5	Styrene	ND	2.3	0.47	ug/kg		
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.70	ug/kg		
127-18-4	Tetrachloroethene	ND	2.3	0.68	ug/kg		
108-88-3	Toluene	ND	1.2	0.61	ug/kg		
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	2.9	ug/kg		
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	2.9	ug/kg		
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.56	ug/kg		
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.65	ug/kg		
79-01-6	Trichloroethene	ND	1.2	0.89	ug/kg		
75-69-4	Trichlorofluoromethane	ND	5.8	0.80	ug/kg		
75-01-4	Vinyl chloride	ND	2.3	0.56	ug/kg		
	m,p-Xylene	2.8	1.2	1.0	ug/kg		
95-47-6	o-Xylene	1.0	1.2	0.53	ug/kg	J	
1330-20-7	Xylene (total)	3.8	1.2	0.53	ug/kg		
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limi	its		
1868-53-7	Dibromofluoromethane	101%		80-12	24%		
17060-07-0	1,2-Dichloroethane-D4	109%		75-13	33%		
2037-26-5	Toluene-D8	99%		79-12	25%		
460-00-4	4-Bromofluorobenzene	100%		58-1	48%		
CAS No.	<b>Tentatively Identified Compo</b>	ounds	R.T.	Est.	Conc.	Units	Q
	system artifact		.80	15		ug/kg	J
	Total TIC, Volatile			0		ug/kg	

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

Client Sample ID: HF-10 (1-1.5) Lab Sample ID: JE5000-1

 Lab Sample ID:
 JE5000-1
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 89.3

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 CJ10721.D
 1
 02/05/25 20:17 AO
 02/04/25 10:30 OP61273
 ECJ457

Run #2

Initial Weight Final Volume

Run #1 30.3 g 1.0 ml

Run #2

#### ABN TCL List (SOM0 2.0)

Compound	Result	RL	MDL	Units	Q
2-Chlorophenol	ND	74	18	ug/kg	
4-Chloro-3-methyl phenol <sup>a</sup>	ND	180	23	ug/kg	
2,4-Dichlorophenol	ND	180	32	ug/kg	
2,4-Dimethylphenol	ND	180	66	ug/kg	
2,4-Dinitrophenol <sup>a</sup>	ND	180	140	ug/kg	
4,6-Dinitro-o-cresol <sup>a</sup>	ND	180	40	ug/kg	
2-Methylphenol	ND	74	24	ug/kg	
3&4-Methylphenol	ND	74	30	ug/kg	
2-Nitrophenol	ND	180	24	ug/kg	
4-Nitrophenol <sup>a</sup>	ND	370	99	ug/kg	
Pentachlorophenol	ND	150	35	ug/kg	
Phenol	ND	74	19	ug/kg	
2,3,4,6-Tetrachlorophenol <sup>a</sup>	ND	180	24	ug/kg	
2,4,5-Trichlorophenol	ND	180	28	ug/kg	
2,4,6-Trichlorophenol	ND	180	22	ug/kg	
Acenaphthene	143	37	13	ug/kg	
Acenaphthylene	ND	37	19	ug/kg	
Acetophenone	ND	180	7.9	ug/kg	
Anthracene	267	37	23	ug/kg	
Atrazine	ND	74	16	ug/kg	
Benzo(a)anthracene	694	37	10	ug/kg	
Benzo(a)pyrene	642	37	17	ug/kg	
	755	37	16	ug/kg	
Benzo(g,h,i)perylene	394	37	18	ug/kg	
Benzo(k)fluoranthene	287	37	17	ug/kg	
4-Bromophenyl phenyl ether	ND	74	14	ug/kg	
	28.4	74	9.0	ug/kg	J
	6.6	74	5.1	ug/kg	J
	ND	180		ug/kg	
	ND	74	8.8	ug/kg	
4-Chloroaniline	ND	180		ug/kg	
Carbazole	151	74	5.4	ug/kg	
	2-Chlorophenol 4-Chloro-3-methyl phenol a 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol a 4,6-Dinitro-o-cresol a 2-Methylphenol 3&4-Methylphenol 2-Nitrophenol a 4-Nitrophenol a Pentachlorophenol Phenol 2,3,4,6-Tetrachlorophenol a 2,4,5-Trichlorophenol Acenaphthene Acenaphthene Acenaphthylene Acetophenone Anthracene Atrazine Benzo(a)anthracene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(k)fluoranthene 4-Bromophenyl phenyl ether Butyl benzyl phthalate 1,1'-Biphenyl Benzaldehyde 2-Chloronaphthalene 4-Chloroaniline	2-Chlorophenol 4-Chloro-3-methyl phenol a ND 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol a ND 2,4-Dinitrophenol a ND 4,6-Dinitro-o-cresol a ND 2-Methylphenol ND 3&4-Methylphenol ND 3-Methylphenol ND 2-Nitrophenol ND 4-Nitrophenol ND 4-Nitrophenol ND Pentachlorophenol ND Pentachlorophenol ND 2,3,4,6-Tetrachlorophenol ND 2,4,5-Trichlorophenol ND 3,4,5-Trichlorophenol ND Acenaphthene ND Acenaphthene ND Acetophenone ND Actophenone ND Anthracene Atrazine ND Benzo(a)anthracene 694 Benzo(b)fluoranthene 755 Benzo(g,h,i)perylene 394 Benzo(k)fluoranthene 287 4-Bromophenyl phenyl ether ND Butyl benzyl phthalate 1,1'-Biphenyl 6.6 Benzaldehyde ND 2-Chloronaphthalene ND 4-Chloroaniline ND	2-Chlorophenol         ND         74           4-Chloro-3-methyl phenol a         ND         180           2,4-Dichlorophenol         ND         180           2,4-Dimethylphenol         ND         180           2,4-Dinitrophenol a         ND         180           2,4-Dinitrophenol a         ND         180           4,6-Dinitro-o-cresol a         ND         180           2-Methylphenol         ND         74           3&4-Methylphenol         ND         74           2-Nitrophenol         ND         180           4-Nitrophenol a         ND         370           Pentachlorophenol ND         150           Phenol         ND         150           Phenol         ND         180           2,4,5-Trichlorophenol         ND         180           2,4,6-Trichlorophenol         ND         180           Acenaphthene         ND         37           Acetophenone         ND         180           Anthracene         267         37           Atrazine         ND         74           Benzo(a)anthracene         694         37           Benzo(b)fluoranthene         755         37      <	2-Chlorophenol	2-Chlorophenol ND 180 23 ug/kg 2,4-Dichlorophenol ND 180 32 ug/kg 2,4-Dimethylphenol ND 180 32 ug/kg 2,4-Dimitrophenol ND 180 66 ug/kg 2,4-Dimitrophenol ND 180 66 ug/kg 4,6-Dinitro-o-cresol ND 180 40 ug/kg 2-Methylphenol ND 74 24 ug/kg 3&4-Methylphenol ND 74 30 ug/kg 2-Nitrophenol ND 180 24 ug/kg 2-Nitrophenol ND 180 24 ug/kg 4-Nitrophenol ND 370 99 ug/kg Pentachlorophenol ND 150 35 ug/kg Phenol ND 74 19 ug/kg 2,3,4,6-Tetrachlorophenol ND 180 24 ug/kg 2,4,5-Trichlorophenol ND 180 28 ug/kg 2,4,5-Trichlorophenol ND 180 28 ug/kg Acenaphthene 143 37 13 ug/kg Acenaphthene ND 37 19 ug/kg Acenaphthene ND 37 19 ug/kg Acetophenone ND 180 7.9 ug/kg Actophenone ND 180 7.9 ug/kg Actophenone ND 180 7.9 ug/kg Anthracene 267 37 23 ug/kg Attrazine ND 74 16 ug/kg Benzo(a)anthracene 694 37 10 ug/kg Benzo(a)pyrene 642 37 17 ug/kg Benzo(b)fluoranthene 755 37 16 ug/kg Benzo(b)fluoranthene 287 37 17 ug/kg Benzo(b)fluoranthene 287 37 17 ug/kg Benzo(b)fluoranthene 287 37 17 ug/kg Benzo(b)fluoranthene 287 37 17 ug/kg Benzo(b)fluoranthene 287 37 17 ug/kg Benzo(b)fluoranthene 287 37 17 ug/kg Benzo(b)fluoranthene 287 37 17 ug/kg Benzo(b)fluoranthene 287 37 17 ug/kg Benzo(b)fluoranthene 287 37 17 ug/kg Benzol(b)fluoranthene 287 37 17 ug/kg Benzaldehyde ND 180 9.2 ug/kg Benzaldehyde ND 180 9.2 ug/kg Benzaldehyde ND 180 9.2 ug/kg

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

**Client Sample ID:** HF-10 (1-1.5) Lab Sample ID: **Date Sampled:** 01/31/25 JE5000-1 **Matrix:** SO - Soil **Date Received:** 01/31/25 Method: **Percent Solids:** SW846 8270E SW846 3546 89.3

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	74	15	ug/kg	
218-01-9	Chrysene	616	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	74	7.9	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	74	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	12	ug/kg	
121-14-2	2,4-Dinitrotoluene <sup>a</sup>	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene <sup>a</sup>	ND	37	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	74	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	128	37	16	ug/kg	
132-64-9	Dibenzofuran	62.2	74	15	ug/kg	J
84-74-2	Di-n-butyl phthalate	7.9	74	6.0	ug/kg	J
117-84-0	Di-n-octyl phthalate	ND	74	9.2	ug/kg	
84-66-2	Diethyl phthalate	ND	74	7.9	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	6.6	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	67.3	74	8.6	ug/kg	J
206-44-0	Fluoranthene	1550	37	16	ug/kg	
86-73-7	Fluorene	115	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	74	9.4	ug/kg	
87-68-3	Hexachlorobutadiene a	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	328	37	17	ug/kg	
78-59-1	Isophorone	ND	74	7.9	ug/kg	
91-57-6	2-Methylnaphthalene	18.7	37	8.4	ug/kg	J
88-74-4	2-Nitroaniline	ND	180	8.7	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.2	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.6	ug/kg	
91-20-3	Naphthalene	38.3	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	74	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	14	ug/kg	
85-01-8	Phenanthrene	1060	37	12	ug/kg	
129-00-0	Pyrene	1100	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.4	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	

367-12-4 2-Fluorophenol 51% 10-99%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Page 3 of 3

 Client Sample ID:
 HF-10 (1-1.5)

 Lab Sample ID:
 JE5000-1
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 89.3

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
4165-62-2 118-79-6 4165-60-0 321-60-8 1718-51-0	Phenol-d5 2,4,6-Tribromophenol Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	52% 61% 55% 63% 58%		10-96% 10-123% 10-109% 11-109% 10-120%		
CAS No.	Tentatively Identified Compo	ounds	R.T.	Est. Conc.	Units	Q
	Phenanthrene methyl Pyrene methyl System artifact Chrysene methyl Unknown Unknown Unknown PAH substance Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown The Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Total TIC, Semi-Volatile		7.53 8.69 9.64 9.90 10.11 10.22 10.58 10.66 10.70 10.96 11.00 11.15 11.23 11.26 11.34 11.44 11.63 11.78 12.46	450 190 710 220 150 240 240 540 370 570 400 290 470 370 440 230 260 220 200 160 240 6250	ug/kg ug/kg	1 1 1 1 1 1 1 1 1 1 1

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 

 Client Sample ID:
 HF-10 (1-1.5)

 Lab Sample ID:
 JE5000-1
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8081B
 SW846 3546
 Percent Solids:
 89.3

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 1G206047.D
 1
 02/06/25 12:08
 RK
 02/04/25 13:30
 OP61276
 G1G7407

 Run #2
 3
 0
 0
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Initial Weight Final Volume
Run #1 16.6 g 10.0 ml
Run #2

#### Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.67	0.56	ug/kg	
319-84-6	alpha-BHC	ND	0.67	0.55	ug/kg	
319-85-7	beta-BHC	ND	0.67	0.61	ug/kg	
319-86-8	delta-BHC	ND	0.67	0.65	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.67	0.50	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.67	0.54	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.67	0.31	ug/kg	
60-57-1	Dieldrin <sup>a</sup>	11.9	0.67	0.46	ug/kg	
72-54-8	4,4'-DDD	ND	0.67	0.62	ug/kg	
72-55-9	4,4'-DDE	ND	0.67	0.59	ug/kg	
50-29-3	4,4'-DDT <sup>a</sup>	42.6	0.67	0.60	ug/kg	
72-20-8	Endrin	ND	0.67	0.52	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.67	0.53	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.67	0.38	ug/kg	
959-98-8	Endosulfan-I	ND	0.67	0.39	ug/kg	
33213-65-9	Endosulfan-II <sup>a</sup>	13.7	0.67	0.42	ug/kg	
76-44-8	Heptachlor	ND	0.67	0.58	ug/kg	
1024-57-3	Heptachlor epoxide <sup>a</sup>	19.4	0.67	0.47	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.54	ug/kg	
53494-70-5	Endrin ketone	ND	0.67	0.49	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limi	ts	
877-09-8	Tetrachloro-m-xylene	81%		13-16	52%	
877-09-8	Tetrachloro-m-xylene	77%		13-16	52%	
2051-24-3	Decachlorobiphenyl	72%		10-18	30%	
2051-24-3	Decachlorobiphenyl	118%		10-18	80%	

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 

Page 1 of 1

**Client Sample ID:** HF-10 (1-1.5) Lab Sample ID: JE5000-1 **Date Sampled:** 01/31/25 **Matrix:** SO - Soil **Date Received:** 01/31/25 Method: SW846 8082A SW846 3546 **Percent Solids:** 89.3

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

**Analytical Batch** File ID DF Analyzed By **Prep Date Prep Batch** Run #1 XX2520450.D 1 02/06/25 10:22 RK 02/04/25 13:30 OP61277 GXX8813 Run #2

**Final Volume Initial Weight** Run #1 10.0 ml 16.6 g Run #2

#### **PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016 a	ND	34	16	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	22	ug/kg	
53469-21-9	Aroclor 1242	ND	34	14	ug/kg	
12672-29-6	Aroclor 1248	ND	34	30	ug/kg	
11097-69-1	Aroclor 1254	2320	34	18	ug/kg	
11096-82-5	Aroclor 1260	245	34	14	ug/kg	
11100-14-4	Aroclor 1268	ND	34	30	ug/kg	
37324-23-5	Aroclor 1262	ND	34	22	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limit	S	
877-09-8	Tetrachloro-m-xylene	98%		10-17	4%	
877-09-8	Tetrachloro-m-xylene	92%		10-17	4%	
2051-24-3	Decachlorobiphenyl	89%		10-19	5%	
2051-24-3	Decachlorobiphenyl	94%		10-19	5%	

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

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

Page 1 of 1

 Client Sample ID:
 HF-10 (1-1.5)

 Lab Sample ID:
 JE5000-1
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Percent Solids:
 89.3

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### **Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	<b>Prep Method</b>
Aluminum	10500	54	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Antimony	< 2.1	2.1	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Arsenic	4.0	2.1	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Barium	72.5	21	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.51	0.21	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 2.7	2.7	mg/kg	5	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Calcium	82100	2700	mg/kg	5	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Chromium	15.5	1.1	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Cobalt	5.5	5.4	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Copper	17.7	2.7	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Iron	13500	54	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Lead	60.2	2.1	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Magnesium	40000	2700	mg/kg	5	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Manganese	511	1.6	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Mercury	0.21	0.035	mg/kg	1	02/03/25	02/03/25 MK	SW846 7471B <sup>1</sup>	SW846 7471B <sup>4</sup>
Nickel	12.4	4.3	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Potassium	1480	1100	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Selenium	< 2.1	2.1	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Silver	< 0.54	0.54	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Sodium	< 1100	1100	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Thallium <sup>a</sup>	< 5.4	5.4	mg/kg	5	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Vanadium	21.1	5.4	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>
Zinc	205	5.4	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA57820(2) Instrument QC Batch: MA57821(3) Prep QC Batch: MP52503(4) Prep QC Batch: MP52522

(a) Elevated detection limit due to dilution required for high interfering element.

Page 1 of 1

Client Sample ID: HF-10 (1-1.5) Lab Sample ID: JE5000-1

SO - Soil

Date Sampled: 01/31/25 Date Received: 01/31/25 Percent Solids: 89.3

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **General Chemistry**

Matrix:

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.26	0.26	mg/kg	1	02/03/25 22:03	JD	SW846 9012B/LACHAT
Solids, Percent	89.3		%	1	02/03/25 13:41	DP	SM2540 G 18TH ED MOD

 Client Sample ID:
 HF-11 (0.5-1)

 Lab Sample ID:
 JE5000-2
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

**Method:** SW846 8260D SW846 5035 **Percent Solids:** 90.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 3C192086.D
 1
 02/03/25 16:23
 PS
 02/01/25 06:35
 n/a
 V3C8349

Run #2

**Initial Weight** 

Run #1 4.8 g

Run #2

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units Q
67-64-1	Acetone	ND	11	4.8	ug/kg
71-43-2	Benzene	ND	0.57	0.52	ug/kg
74-97-5	Bromochloromethane	ND	5.7	0.64	ug/kg
75-27-4	Bromodichloromethane	ND	2.3	0.49	ug/kg
75-25-2	Bromoform	ND	5.7	1.6	ug/kg
74-83-9	Bromomethane	ND	5.7	0.88	ug/kg
78-93-3	2-Butanone (MEK)	ND	11	2.8	ug/kg
75-15-0	Carbon disulfide	ND	2.3	0.61	ug/kg
56-23-5	Carbon tetrachloride	ND	2.3	0.71	ug/kg
108-90-7	Chlorobenzene	ND	2.3	0.53	ug/kg
75-00-3	Chloroethane a	ND	5.7	0.68	ug/kg
67-66-3	Chloroform	ND	2.3	1.1	ug/kg
74-87-3	Chloromethane	ND	5.7	2.3	ug/kg
110-82-7	Cyclohexane	ND	2.3	0.75	ug/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.3	0.80	ug/kg
124-48-1	Dibromochloromethane	ND	2.3	0.64	ug/kg
106-93-4	1,2-Dibromoethane	ND	1.1	0.48	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.63	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.57	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.57	ug/kg
75-71-8	Dichlorodifluoromethane	ND	5.7	0.83	ug/kg
75-34-3	1,1-Dichloroethane	ND	1.1	0.57	ug/kg
107-06-2	1,2-Dichloroethane	ND	1.1	0.54	ug/kg
75-35-4	1,1-Dichloroethene	ND	1.1	0.75	ug/kg
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.96	ug/kg
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.70	ug/kg
78-87-5	1,2-Dichloropropane	ND	2.3	0.54	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.55	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.52	ug/kg
100-41-4	Ethylbenzene	9.6	1.1	0.52	ug/kg
76-13-1	Freon 113	ND	5.7	3.1	ug/kg
591-78-6	2-Hexanone	ND	5.7	2.4	ug/kg

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

 Client Sample ID:
 HF-11 (0.5-1)

 Lab Sample ID:
 JE5000-2
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 90.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q	
98-82-8	Isopropylbenzene	ND	2.3	1.6	ug/kg	ŗ	
79-20-9	Methyl Acetate	ND	5.7	1.6	ug/kg		
108-87-2	Methylcyclohexane	ND	2.3	1.0	ug/kg		
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.54	ug/kg		
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.7	2.6	ug/kg		
75-09-2	Methylene chloride	3.3	5.7	3.0	ug/kg		
100-42-5	Styrene	ND	2.3	0.46	ug/kg		
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.69	ug/kg		
127-18-4	Tetrachloroethene	ND	2.3	0.67	ug/kg		
108-88-3	Toluene	ND	1.1	0.60	ug/kg		
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	2.9	ug/kg		
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	2.9	ug/kg		
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.55	ug/kg		
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.64	ug/kg	5	
79-01-6	Trichloroethene	ND	1.1	0.88	ug/kg	ŗ	
75-69-4	Trichlorofluoromethane	ND	5.7	0.79	ug/kg	r S	
75-01-4	Vinyl chloride	ND	2.3	0.55	ug/kg		
	m, p-Xylene	38.9	1.1	1.0	ug/kg		
95-47-6	o-Xylene	13.1	1.1	0.53	ug/kg	5	
1330-20-7	Xylene (total)	52.0	1.1	0.53	ug/kg	Ţ	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	its		
1868-53-7	Dibromofluoromethane	98%		80-1	24%		
17060-07-0	1,2-Dichloroethane-D4	108%		75-1	33%		
2037-26-5	Toluene-D8	99%		79-1	25%		
460-00-4	4-Bromofluorobenzene	101%		58-1	48%		
CAS No.	<b>Tentatively Identified Compo</b>	ounds	R.T.	Est.	Conc.	Units	Q
	system artifact		.80	16		ug/kg	J
	Total TIC, Volatile			0		ug/kg	

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

**Client Sample ID:** HF-11 (0.5-1) Lab Sample ID: JE5000-2

**Date Sampled:** 01/31/25 **Matrix:** SO - Soil **Date Received:** 01/31/25 Method: SW846 8270E SW846 3546 **Percent Solids:** 90.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

**Analytical Batch** File ID DF Analyzed By **Prep Date Prep Batch** Run #1 CJ10722.D 1 02/05/25 20:35 AO 02/04/25 10:30 OP61273 ECJ457

Run #2

**Final Volume Initial Weight** 

Run #1 1.0 ml 30.7 g

Run #2

#### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units Q
95-57-8	2-Chlorophenol	ND	72	18	ug/kg
59-50-7	4-Chloro-3-methyl phenol <sup>a</sup>	ND	180	22	ug/kg
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg
105-67-9	2,4-Dimethylphenol	ND	180	64	ug/kg
51-28-5	2,4-Dinitrophenol <sup>a</sup>	ND	180	140	ug/kg
534-52-1	4,6-Dinitro-o-cresol a	ND	180	38	ug/kg
95-48-7	2-Methylphenol	ND	72	23	ug/kg
	3&4-Methylphenol	ND	72	30	ug/kg
88-75-5	2-Nitrophenol	ND	180	24	ug/kg
100-02-7	4-Nitrophenol <sup>a</sup>	ND	360	96	ug/kg
87-86-5	Pentachlorophenol	ND	140	34	ug/kg
108-95-2	Phenol	ND	72	19	ug/kg
58-90-2	2,3,4,6-Tetrachlorophenol <sup>a</sup>	ND	180	24	ug/kg
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg
83-32-9	Acenaphthene	ND	36	12	ug/kg
208-96-8	Acenaphthylene	ND	36	18	ug/kg
98-86-2	Acetophenone	ND	180	7.7	ug/kg
120-12-7	Anthracene	ND	36	22	ug/kg
1912-24-9	Atrazine	ND	72	15	ug/kg
56-55-3	Benzo(a)anthracene	ND	36	10	ug/kg
50-32-8	Benzo(a)pyrene	ND	36	16	ug/kg
205-99-2	Benzo(b)fluoranthene	ND	36	16	ug/kg
191-24-2	Benzo(g,h,i)perylene	ND	36	18	ug/kg
207-08-9	Benzo(k)fluoranthene	ND	36	17	ug/kg
101-55-3	4-Bromophenyl phenyl ether	ND	72	14	ug/kg
85-68-7	Butyl benzyl phthalate	ND	72	8.8	ug/kg
92-52-4	1,1'-Biphenyl	ND	72	4.9	ug/kg
100-52-7	Benzaldehyde	ND	180	8.9	ug/kg
91-58-7	2-Chloronaphthalene	ND	72	8.5	ug/kg
106-47-8	4-Chloroaniline	ND	180	13	ug/kg
86-74-8	Carbazole	ND	72	5.2	ug/kg

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

**Client Sample ID:** HF-11 (0.5-1) Lab Sample ID: **Date Sampled:** 01/31/25 JE5000-2 **Matrix:** SO - Soil **Date Received:** 01/31/25 Method: **Percent Solids:** SW846 8270E SW846 3546 90.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	72	14	ug/kg	
218-01-9	Chrysene	ND	36	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	7.7	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	72	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	12	ug/kg	
121-14-2	2,4-Dinitrotoluene <sup>a</sup>	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene <sup>a</sup>	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	72	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	16	ug/kg	
132-64-9	Dibenzofuran	ND	72	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	5.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	8.9	ug/kg	
84-66-2	Diethyl phthalate	ND	72	7.6	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	6.4	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	72	8.4	ug/kg	
206-44-0	Fluoranthene	ND	36	16	ug/kg	
86-73-7	Fluorene	ND	36	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	9.1	ug/kg	
87-68-3	Hexachlorobutadiene a	ND	36	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	36	17	ug/kg	
78-59-1	Isophorone	ND	72	7.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	36	8.1	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.5	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.0	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.3	ug/kg	
91-20-3	Naphthalene	ND	36	10	ug/kg	
98-95-3	Nitrobenzene	ND	72	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	ND	36	12	ug/kg	
129-00-0	Pyrene	ND	36	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.1	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
367-12-4	2-Fluorophenol	41%		10-99	9%	

10-99% 367-12-4 2-Fluorophenol 41%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Page 3 of 3

 Client Sample ID:
 HF-11 (0.5-1)

 Lab Sample ID:
 JE5000-2
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 90.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
4165-62-2 118-79-6 4165-60-0 321-60-8 1718-51-0	Phenol-d5 2,4,6-Tribromophenol Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	42% 52% 40% 46% 52%		10-96% 10-123% 10-109% 11-109% 10-120%		
CAS No.	Tentatively Identified Compounds		R.T.	Est. Conc.	Units	Q
	Unknown System artifact Unknown Alkane Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Total TIC, Semi-Volatile		5.34 9.64 10.39 10.54 10.61 10.66 10.72 10.76 10.95 11.01 11.15 11.18 11.62	1400 1000 170 190 170 280 250 260 240 170 150 180 150 3610	ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	1 1 1 1 1 1 1 1

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

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

16 of 50

Client Sample ID: HF-11 (0.5-1) Lab Sample ID: JE5000-2

 Lab Sample ID:
 JE5000-2
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8081B
 SW846 3546
 Percent Solids:
 90.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 1G206048.D
 1
 02/06/25 12:23
 RK
 02/04/25 13:30
 OP61276
 G1G7407

Run #2

Run #1 16.2 g Final Volume

Run #2

#### **Pesticide TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.68	0.56	ug/kg	
319-84-6	alpha-BHC	ND	0.68	ug/kg		
319-85-7	beta-BHC	ND	0.68	0.62	ug/kg	
319-86-8	delta-BHC	ND	0.68	0.65	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.68	0.50	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.68	0.55	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.68	0.31	ug/kg	
60-57-1	Dieldrin	ND	0.68	0.47	ug/kg	
72-54-8	4,4'-DDD	ND	0.68	0.62	ug/kg	
72-55-9	4,4'-DDE	ND	0.68	0.60	ug/kg	
50-29-3	4,4'-DDT	ND	0.68 0.60 ug			
72-20-8	Endrin	ND	0.68 0.53 u		ug/kg	
1031-07-8	Endosulfan sulfate	ND			ug/kg	
7421-93-4	Endrin aldehyde	ND	0.68	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.68	0.39	ug/kg	
33213-65-9	Endosulfan-II	ND	0.68	0.42	ug/kg	
76-44-8	Heptachlor	ND	0.68	0.59	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.68	0.48	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.54	ug/kg	
53494-70-5	Endrin ketone	ND	0.68	0.49	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limi	ts	
877-09-8	Tetrachloro-m-xylene	96%		13-10	52%	
877-09-8	Tetrachloro-m-xylene	95%		13-10	52%	
2051-24-3	Decachlorobiphenyl	70%		10-13	80%	
2051-24-3	Decachlorobiphenyl	99%	10-180%			

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 

Page 1 of 1

 Client Sample ID:
 HF-11 (0.5-1)

 Lab Sample ID:
 JE5000-2
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8082A
 SW846 3546
 Percent Solids:
 90.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 3G145063.D
 1
 02/05/25 02:15 CP
 02/04/25 13:30 OP61277
 G3G5344

 Run #2
 3G145063.D
 1
 02/05/25 02:15 CP
 02/04/25 13:30 OP61277
 G3G5344

Run #1 16.2 g 10.0 ml
Run #2

#### **PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	16	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	22	ug/kg	
53469-21-9	Aroclor 1242	ND	34	14	ug/kg	
12672-29-6	Aroclor 1248	ND	34	30	ug/kg	
11097-69-1	Aroclor 1254	ND	34	18	ug/kg	
11096-82-5	Aroclor 1260	ND	34	14	ug/kg	
11100-14-4	Aroclor 1268	ND	34	30	ug/kg	
37324-23-5	Aroclor 1262	ND	34	22	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	2 Limits		
877-09-8	Tetrachloro-m-xylene	104%		10-17	74%	
877-09-8	Tetrachloro-m-xylene	119%		10-17	74%	
2051-24-3	Decachlorobiphenyl	89%		10-19	95%	
2051-24-3	Decachlorobiphenyl	186%		10-19	95%	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 

 $N = \ Indicates \ presumptive \ evidence \ of \ a \ compound$ 

Page 1 of 1

 Client Sample ID:
 HF-11 (0.5-1)

 Lab Sample ID:
 JE5000-2
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Percent Solids:
 90.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed B	y	Method	Prep Method
Aluminum	5030	57	mg/kg	1	02/01/25	02/03/25 M	IM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Antimony	< 2.3	2.3	mg/kg	1	02/01/25	02/03/25 M	ΙM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Arsenic	< 2.3	2.3	mg/kg	1	02/01/25	02/03/25 M	IM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Barium	45.9	23	mg/kg	1	02/01/25	02/03/25 M	IM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Beryllium	0.31	0.23	mg/kg	1	02/01/25	02/03/25 M	IM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Cadmium <sup>a</sup>	< 5.7	5.7	mg/kg	10	02/01/25	02/04/25 M	ΙM	SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Calcium	174000	5700	mg/kg	10	02/01/25	02/04/25 M	IM	SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Chromium	5.4	1.1	mg/kg	1	02/01/25	02/03/25 M	IM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Cobalt	< 5.7	5.7	mg/kg	1	02/01/25	02/03/25 M	IM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Copper	4.3	2.9	mg/kg	1	02/01/25	02/03/25 M	IM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Iron	5880	57	mg/kg	1	02/01/25	02/03/25 M	ΙM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Lead	24.5	2.3	mg/kg	1	02/01/25	02/03/25 M	ΙM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Magnesium	104000	5700	mg/kg	10	02/01/25	02/04/25 M	ΙM	SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Manganese	496	1.7	mg/kg	1	02/01/25	02/03/25 M	IM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Mercury	0.16	0.029	mg/kg	1	02/03/25	02/03/25 M	ΙK	SW846 7471B <sup>1</sup>	SW846 7471B <sup>5</sup>
Nickel	5.6	4.6	mg/kg	1	02/01/25	02/03/25 M	ΙM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Potassium	< 1100	1100	mg/kg	1	02/01/25	02/03/25 M	IM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Selenium	< 2.3	2.3	mg/kg	1	02/01/25	02/03/25 M	IM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Silver	< 0.57	0.57	mg/kg	1	02/01/25	02/03/25 M	IM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Sodium	< 1100	1100	mg/kg	1	02/01/25	02/03/25 M	IM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Thallium	< 1.1	1.1	mg/kg	1	02/01/25	02/03/25 M	IM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Vanadium	7.7	5.7	mg/kg	1	02/01/25	02/03/25 M	IM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Zinc	20.9	5.7	mg/kg	1	02/01/25	02/03/25 M	ΙM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>

(1) Instrument QC Batch: MA57820
(2) Instrument QC Batch: MA57821
(3) Instrument QC Batch: MA57827
(4) Prep QC Batch: MP52503
(5) Prep QC Batch: MP52522

(a) Elevated detection limit due to dilution required for high interfering element.

Page 1 of 1

Client Sample ID: HF-11 (0.5-1) Lab Sample ID: JE5000-2 Matrix: SO - Soil

Date Sampled: 01/31/25 Date Received: 01/31/25 Percent Solids: 90.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.25	0.25	mg/kg	1	02/03/25 22:04	ID ID	SW846 9012B/LACHAT
Solids, Percent	90.7		%	1	02/03/25 13:41	DP	SM2540 G 18TH ED MOD

Client Sample ID: HF-12 (4-4.5)

 Lab Sample ID:
 JE5000-3
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 83.8

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 3C192087.D
 1
 02/03/25 16:49
 PS
 02/01/25 06:35
 n/a
 V3C8349

Run #2

**Initial Weight** 

Run #1 5.1 g

Run #2

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	9.5	12	4.8	ug/kg	J
71-43-2	Benzene	ND	0.58	0.53	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	0.66	ug/kg	
75-27-4	Bromodichloromethane	ND	2.3	0.50	ug/kg	
75-25-2	Bromoform	ND	5.8	1.6	ug/kg	
74-83-9	Bromomethane	ND	5.8	0.89	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.8	ug/kg	
75-15-0	Carbon disulfide	ND	2.3	0.63	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.3	0.72	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	0.54	ug/kg	
75-00-3	Chloroethane a	ND	5.8	0.69	ug/kg	
67-66-3	Chloroform	ND	2.3	1.2	ug/kg	
74-87-3	Chloromethane	ND	5.8	2.3	ug/kg	
110-82-7	Cyclohexane	ND	2.3	0.77	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.3	0.81	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	0.66	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.49	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.64	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.58	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.58	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	0.85	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.58	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.55	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.77	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.98	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.71	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	0.55	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.56	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.53	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.53	ug/kg	
76-13-1	Freon 113	ND	5.8	3.1	ug/kg	
591-78-6	2-Hexanone	ND	5.8	2.5	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

 Client Sample ID:
 HF-12 (4-4.5)

 Lab Sample ID:
 JE5000-3
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 83.8

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q	
98-82-8	Isopropylbenzene	ND	2.3	1.7	ug/kg	Ţ	
79-20-9	Methyl Acetate	ND	5.8	1.6	ug/kg		
108-87-2	Methylcyclohexane	ND	2.3	1.0	ug/kg	5	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.55	ug/kg	5	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	2.7	ug/kg	5	
75-09-2	Methylene chloride	3.4	5.8	3.1	ug/kg	, J	
100-42-5	Styrene	ND	2.3	0.47	ug/kg	5	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.70	ug/kg	5	
127-18-4	Tetrachloroethene	5.9	2.3	0.68	ug/kg	5	
108-88-3	Toluene	ND	1.2	0.61	ug/kg	5	
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	2.9	ug/kg	5	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	2.9	ug/kg	5	
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.57	ug/kg	ŗ	
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.65	ug/kg	ŗ	
79-01-6	Trichloroethene	ND	1.2	0.89	ug/kg	5	
75-69-4	Trichlorofluoromethane	ND	5.8	0.80	ug/kg	5	
75-01-4	Vinyl chloride	ND	2.3	0.56	ug/kg	5	
	m,p-Xylene	ND	1.2	1.0	ug/kg	ŗ	
95-47-6	o-Xylene	ND	1.2	0.54	ug/kg	5	
1330-20-7	Xylene (total)	ND	1.2	0.54	ug/kg	Ţ	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limi	its		
1868-53-7	Dibromofluoromethane	102%		80-1	24%		
17060-07-0	1,2-Dichloroethane-D4	108%		75-1	33%		
2037-26-5	Toluene-D8	99%		79-1	25%		
460-00-4	4-Bromofluorobenzene	102%		58-1	48%		
CAS No.	<b>Tentatively Identified Compo</b>	ounds	R.T.	Est.	Conc.	Units	Q
	system artifact		.80	14		ug/kg	J
	Total TIC, Volatile			0		ug/kg	

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

Client Sample ID: HF-12 (4-4.5)

 Lab Sample ID:
 JE5000-3
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 83.8

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 CJ10723.D
 1
 02/05/25 20:53
 AO
 02/04/25 10:30
 OP61273
 ECJ457

Run #2

Initial Weight Final Volume

Run #1 30.3 g 1.0 ml

Run #2

#### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	79	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol <sup>a</sup>	ND	200	24	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	70	ug/kg	
51-28-5	2,4-Dinitrophenol <sup>a</sup>	ND	200	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol <sup>a</sup>	ND	200	42	ug/kg	
95-48-7	2-Methylphenol	ND	79	25	ug/kg	
	3&4-Methylphenol	ND	79	32	ug/kg	
88-75-5	2-Nitrophenol	ND	200	26	ug/kg	
100-02-7	4-Nitrophenol <sup>a</sup>	ND	390	110	ug/kg	
87-86-5	Pentachlorophenol	ND	160	37	ug/kg	
108-95-2	Phenol	ND	79	21	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol <sup>a</sup>	ND	200	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	29	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	23	ug/kg	
83-32-9	Acenaphthene	ND	39	14	ug/kg	
208-96-8	Acenaphthylene	20.6	39	20	ug/kg	J
98-86-2	Acetophenone	ND	200	8.5	ug/kg	
120-12-7	Anthracene	ND	39	24	ug/kg	
1912-24-9	Atrazine	ND	79	17	ug/kg	
56-55-3	Benzo(a)anthracene	28.7	39	11	ug/kg	J
50-32-8	Benzo(a)pyrene	38.8	39	18	ug/kg	J
205-99-2	Benzo(b)fluoranthene	56.3	39	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	42.8	39	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	39	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	79	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	79	9.6	ug/kg	
92-52-4	1,1'-Biphenyl	ND	79	5.4	ug/kg	
100-52-7	Benzaldehyde	ND	200	9.8	ug/kg	
91-58-7	2-Chloronaphthalene	ND	79	9.4	ug/kg	
106-47-8	4-Chloroaniline	ND	200	14	ug/kg	
86-74-8	Carbazole	ND	79	5.7	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

**Client Sample ID:** HF-12 (4-4.5) Lab Sample ID: **Date Sampled:** 01/31/25 JE5000-3 **Matrix:** SO - Soil **Date Received:** 01/31/25 Method: **Percent Solids:** SW846 8270E SW846 3546 83.8

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	79	16	ug/kg	
218-01-9	Chrysene	28.0	39	12	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	79	8.4	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	79	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	79	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	79	13	ug/kg	
121-14-2	2,4-Dinitrotoluene <sup>a</sup>	ND	39	12	ug/kg	
606-20-2	2,6-Dinitrotoluene <sup>a</sup>	ND	39	20	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	79	33	ug/kg	
123-91-1	1,4-Dioxane	ND	39	26	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	39	17	ug/kg	
132-64-9	Dibenzofuran	ND	79	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	79	6.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	79	9.8	ug/kg	
84-66-2	Diethyl phthalate	ND	79	8.4	ug/kg	
131-11-3	Dimethyl phthalate	ND	79	7.0	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	79	9.2	ug/kg	
206-44-0	Fluoranthene	28.3	39	18	ug/kg	J
86-73-7	Fluorene	ND	39	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	79	10	ug/kg	
87-68-3	Hexachlorobutadiene a	ND	39	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	390	16	ug/kg	
67-72-1	Hexachloroethane	ND	200	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	26.3	39	18	ug/kg	J
78-59-1	Isophorone	ND	79	8.4	ug/kg	
91-57-6	2-Methylnaphthalene	ND	39	8.9	ug/kg	
88-74-4	2-Nitroaniline	ND	200	9.3	ug/kg	
99-09-2	3-Nitroaniline	ND	200	9.8	ug/kg	
100-01-6	4-Nitroaniline	ND	200	10	ug/kg	
91-20-3	Naphthalene	ND	39	11	ug/kg	
98-95-3	Nitrobenzene	ND	79	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	79	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	14	ug/kg	
85-01-8	Phenanthrene	ND	39	13	ug/kg	
129-00-0	Pyrene	27.0	39	13	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	10	ug/kg	

CAS No. **Surrogate Recoveries** Run#1 Run# 2 Limits

367-12-4 2-Fluorophenol 56% 10-99%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

Page 3 of 3

 Client Sample ID:
 HF-12 (4-4.5)

 Lab Sample ID:
 JE5000-3
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 83.8

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limits		
4165-62-2 118-79-6 4165-60-0 321-60-8 1718-51-0	Phenol-d5 2,4,6-Tribromophenol Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	55% 66% 54% 64% 60%		10-96% 10-123% 10-109% 11-109% 10-120%		
CAS No.	<b>Tentatively Identified Compounds</b>		R.T.	Est. Conc.	Units	Q
	Unknown Phthalic anhydride System artifact Unknown Unknown Unknown Total TIC, Semi-Volatile		5.34 5.38 9.64 10.14 10.30 10.68	1600 1400 1300 400 540 390 4330	ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	J J J J

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 

**Date Sampled:** 01/31/25

Client Sample ID: HF-12 (4-4.5) Lab Sample ID: JE5000-3

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8081B
 SW846 3546
 Percent Solids:
 83.8

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 1G206049.D
 1
 02/06/25 12:39
 RK
 02/04/25 13:30
 OP61276
 G1G7407

Run #2

Run #1 16.6 g Final Volume

Run #2

#### Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.72	0.59	ug/kg	
319-84-6	alpha-BHC	ND	0.72 0.58 ug/			
319-85-7	beta-BHC	ND	0.72	0.65	ug/kg	
319-86-8	delta-BHC	ND	0.72	0.69	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.72	0.53	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.72	0.58	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.72	0.33	ug/kg	
60-57-1	Dieldrin	ND	0.72	0.49	ug/kg	
72-54-8	4,4'-DDD	ND	0.72	0.66	ug/kg	
72-55-9	4,4'-DDE <sup>a</sup>	1.4	0.72	0.63	ug/kg	
50-29-3	4,4'-DDT	1.8	0.72	0.64	ug/kg	
72-20-8	Endrin	ND	0.72	ug/kg		
1031-07-8	Endosulfan sulfate	ND	0.72	ug/kg		
7421-93-4	Endrin aldehyde	ND	0.72	0.41	ug/kg	
959-98-8	Endosulfan-I	ND	0.72	0.41	ug/kg	
33213-65-9	Endosulfan-II	ND	0.72	0.45	ug/kg	
76-44-8	Heptachlor	ND	0.72	0.62	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.72	0.50	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.57	ug/kg	
53494-70-5	Endrin ketone	ND	0.72	0.52	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limi	ts	
877-09-8	Tetrachloro-m-xylene	75%		13-16	52%	
877-09-8	Tetrachloro-m-xylene	74%		13-16	52%	
2051-24-3	Decachlorobiphenyl	57%		10-18	30%	
2051-24-3	Decachlorobiphenyl	79%		10-18	80%	

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit J = Indicate

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Page 1 of 1

 Client Sample ID:
 HF-12 (4-4.5)

 Lab Sample ID:
 JE5000-3
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8082A
 SW846 3546
 Percent Solids:
 83.8

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 3G145064.D
 1
 02/05/25 02:31 CP
 02/04/25 13:30 OP61277
 G3G5344

 Run #2
 3G145064.D
 1
 02/04/25 02:31 CP
 02/04/25 13:30 OP61277
 G3G5344

Initial Weight Final Volume
Run #1 16.6 g 10.0 ml
Run #2

#### **PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	17	ug/kg	
11104-28-2	Aroclor 1221	ND	36	22	ug/kg	
11141-16-5	Aroclor 1232	ND	36	23	ug/kg	
53469-21-9	Aroclor 1242	ND	36	15	ug/kg	
12672-29-6	Aroclor 1248	ND	36	32	ug/kg	
11097-69-1	Aroclor 1254	ND	36	19	ug/kg	
11096-82-5	Aroclor 1260	ND	36	15	ug/kg	
11100-14-4	Aroclor 1268	ND	36	31	ug/kg	
37324-23-5	Aroclor 1262	ND	36	24	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limi	ts	
877-09-8	Tetrachloro-m-xylene	85%		10-17	74%	
877-09-8	Tetrachloro-m-xylene	92%		10-17	74%	
2051-24-3	Decachlorobiphenyl	69%		10-19	95%	
2051-24-3	Decachlorobiphenyl	90%		10-19	95%	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

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

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Page 1 of 1

 Client Sample ID:
 HF-12 (4-4.5)

 Lab Sample ID:
 JE5000-3

 Matrix:
 SO - Soil

 Date Received:
 01/31/25

 Percent Solids:
 83.8

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### **Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	13400	57	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Antimony	< 2.3	2.3	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Arsenic	5.9	2.3	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Barium	195	23	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Beryllium	0.65	0.23	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Cadmium <sup>a</sup>	< 2.8	2.8	mg/kg	5	02/01/25	02/04/25 MM	SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Calcium	52900	2800	mg/kg	5	02/01/25	02/04/25 MM	SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Chromium	18.5	1.1	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Cobalt	7.8	5.7	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Copper	29.7	2.8	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Iron	15300	57	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Lead	352	2.3	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Magnesium	36900	2800	mg/kg	5	02/01/25	02/04/25 MM	SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Manganese	415	1.7	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Mercury	0.96	0.073	mg/kg	2	02/03/25	02/03/25 MK	SW846 7471B <sup>1</sup>	SW846 7471B <sup>5</sup>
Nickel	15.5	4.5	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Potassium	3480	1100	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Selenium	< 2.3	2.3	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Silver	< 0.57	0.57	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Sodium	< 1100	1100	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Thallium <sup>a</sup>	< 5.7	5.7	mg/kg	5	02/01/25	02/04/25 MM	SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Vanadium	27.5	5.7	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Zinc	159	5.7	mg/kg	1	02/01/25	02/03/25 MM	SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>

(1) Instrument QC Batch: MA57820
(2) Instrument QC Batch: MA57821
(3) Instrument QC Batch: MA57827
(4) Prep QC Batch: MP52503
(5) Prep QC Batch: MP52522

(a) Elevated detection limit due to dilution required for high interfering element.

Page 1 of 1

Client Sample ID: HF-12 (4-4.5) Lab Sample ID: JE5000-3

 D:
 JE5000-3
 Date Sampled:
 01/31/25

 SO - Soil
 Date Received:
 01/31/25

 Percent Solids:
 83.8

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **General Chemistry**

Matrix:

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.24	0.24	mg/kg	1	02/03/25 22:03	5 JD	SW846 9012B/LACHAT
Solids, Percent	83.8		%	1	02/03/25 13:4	l DP	SM2540 G 18TH ED MOD

**Client Sample ID:** HPO-1 (13.5-14)

 Lab Sample ID:
 JE5000-4
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 69.4

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 3C192088.D
 1
 02/03/25 17:15 PS
 02/01/25 06:35 n/a
 V3C8349

 Run #2
 V3C8349

Initial Weight

Run #1 3.9 g

Run #2

#### **VOA TCL List**

CA	AS No.	Compound	Result	RL	MDL	Units Q	
67-	-64-1	Acetone	ND	18	7.6	ug/kg	
71-	-43-2	Benzene	ND	0.92	0.84	ug/kg	
74-	-97-5	Bromochloromethane	ND	9.2	1.0	ug/kg	
75-	-27-4	Bromodichloromethane	ND	3.7	0.79	ug/kg	
75-	-25-2	Bromoform	ND	9.2	2.5	ug/kg	
74-	-83-9	Bromomethane	ND	9.2	1.4	ug/kg	
78-	-93-3	2-Butanone (MEK)	ND	18	4.5	ug/kg	
75-	-15-0	Carbon disulfide	ND	3.7	0.99	ug/kg	
56-	-23-5	Carbon tetrachloride	ND	3.7	1.1	ug/kg	
108	8-90-7	Chlorobenzene	ND	3.7	0.85	ug/kg	
75-	-00-3	Chloroethane <sup>a</sup>	ND	9.2	1.1	ug/kg	
67-	-66-3	Chloroform	ND	3.7	1.8	ug/kg	
74-	-87-3	Chloromethane	ND	9.2	3.6	ug/kg	
110	0-82-7	Cyclohexane	ND	3.7	1.2	ug/kg	
96-	-12-8	1,2-Dibromo-3-chloropropane	ND	3.7	1.3	ug/kg	
124	4-48-1	Dibromochloromethane	ND	3.7	1.0	ug/kg	
106	5-93-4	1,2-Dibromoethane	ND	1.8	0.78	ug/kg	
95-	-50-1	1,2-Dichlorobenzene	ND	1.8	1.0	ug/kg	
541	1-73-1	1,3-Dichlorobenzene	ND	1.8	0.92	ug/kg	
106	5-46-7	1,4-Dichlorobenzene	ND	1.8	0.91	ug/kg	
75-	-71-8	Dichlorodifluoromethane	ND	9.2	1.3	ug/kg	
75-	-34-3	1,1-Dichloroethane	ND	1.8	0.91	ug/kg	
107	7-06-2	1,2-Dichloroethane	ND	1.8	0.87	ug/kg	
75-	-35-4	1,1-Dichloroethene	ND	1.8	1.2	ug/kg	
	5-59-2	cis-1,2-Dichloroethene	ND	1.8	1.6	ug/kg	
156	5-60-5	trans-1,2-Dichloroethene	ND	1.8	1.1	ug/kg	
	-87-5	1,2-Dichloropropane	ND	3.7	0.87	ug/kg	
	061-01-5	cis-1,3-Dichloropropene	ND	3.7	0.88	ug/kg	
	061-02-6	trans-1,3-Dichloropropene	ND	3.7	0.84	ug/kg	
	0-41-4	Ethylbenzene	ND	1.8	0.84	ug/kg	
	-13-1	Freon 113	ND	9.2	4.9	ug/kg	
59	1-78-6	2-Hexanone	ND	9.2	3.9	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

**Client Sample ID:** HPO-1 (13.5-14)

 Lab Sample ID:
 JE5000-4
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 69.4

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q	
98-82-8	Isopropylbenzene	ND	3.7	2.6	ug/kg	Ţ	
79-20-9	Methyl Acetate	ND	9.2	2.6	ug/kg	,	
108-87-2	Methylcyclohexane	ND	3.7	1.6	ug/kg	,	
1634-04-4	Methyl Tert Butyl Ether	ND	1.8	0.87	ug/kg	,	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	9.2	4.2	ug/kg	,	
75-09-2	Methylene chloride	ND	9.2	4.8	ug/kg	,	
100-42-5	Styrene	ND	3.7	0.74	ug/kg	,	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.7	1.1	ug/kg	,	
127-18-4	Tetrachloroethene	2.1	3.7	1.1	ug/kg	J	
108-88-3	Toluene	ND	1.8	0.97	ug/kg	,	
87-61-6	1,2,3-Trichlorobenzene	ND	9.2	4.6	ug/kg	,	
120-82-1	1,2,4-Trichlorobenzene	ND	9.2	4.6	ug/kg	,	
71-55-6	1,1,1-Trichloroethane	ND	3.7	0.89	ug/kg	,	
79-00-5	1,1,2-Trichloroethane	ND	3.7	1.0	ug/kg	,	
79-01-6	Trichloroethene	ND	1.8	1.4	ug/kg	,	
75-69-4	Trichlorofluoromethane	ND	9.2	1.3	ug/kg	,	
75-01-4	Vinyl chloride	ND	3.7	0.89	ug/kg	,	
	m, p-Xylene	ND	1.8	1.7	ug/kg	,	
95-47-6	o-Xylene	ND	1.8	0.85	ug/kg	,	
1330-20-7	Xylene (total)	ND	1.8	0.85	ug/kg	[	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	its		
1868-53-7	Dibromofluoromethane	100%		80-12	24%		
17060-07-0	1,2-Dichloroethane-D4	106%		75-13	33%		
2037-26-5	Toluene-D8	99%		79-12	25%		
460-00-4	4-Bromofluorobenzene	101%		58-1	48%		
CAS No.	<b>Tentatively Identified Compo</b>	ounds	R.T.	Est.	Conc.	Units	Q
	system artifact		.84	59		ug/kg	J
	Total TIC, Volatile			0		ug/kg	

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

**Client Sample ID:** HPO-1 (13.5-14)

Lab Sample ID: JE5000-4 **Date Sampled:** 01/31/25 **Matrix:** SO - Soil **Date Received:** 01/31/25 SW846 8270E SW846 3546 Method: **Percent Solids:** 69.4

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

**Analytical Batch** File ID DF Analyzed By **Prep Date Prep Batch** Run #1 CJ10724.D 1 02/05/25 21:11 AO 02/04/25 10:30 OP61273 ECJ457

Run #2

**Final Volume Initial Weight** Run #1 1.0 ml 30.4 g

Run #2

#### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	95	23	ug/kg	
59-50-7	4-Chloro-3-methyl phenol <sup>a</sup>	ND	240	29	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	240	40	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	240	84	ug/kg	
51-28-5	2,4-Dinitrophenol <sup>a</sup>	ND	240	180	ug/kg	
534-52-1	4,6-Dinitro-o-cresol <sup>a</sup>	ND	240	51	ug/kg	
95-48-7	2-Methylphenol	ND	95	30	ug/kg	
	3&4-Methylphenol	ND	95	39	ug/kg	
88-75-5	2-Nitrophenol	ND	240	31	ug/kg	
100-02-7	4-Nitrophenol <sup>a</sup>	ND	470	130	ug/kg	
87-86-5	Pentachlorophenol	ND	190	45	ug/kg	
108-95-2	Phenol	ND	95	25	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol <sup>a</sup>	ND	240	31	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	240	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	240	28	ug/kg	
83-32-9	Acenaphthene	ND	47	16	ug/kg	
208-96-8	Acenaphthylene	ND	47	24	ug/kg	
98-86-2	Acetophenone	ND	240	10	ug/kg	
120-12-7	Anthracene	ND	47	29	ug/kg	
1912-24-9	Atrazine	ND	95	20	ug/kg	
56-55-3	Benzo(a)anthracene	ND	47	13	ug/kg	
50-32-8	Benzo(a)pyrene	ND	47	22	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	47	21	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	47	24	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	47	22	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	95	18	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	95	12	ug/kg	
92-52-4	1,1'-Biphenyl	ND	95	6.5	ug/kg	
100-52-7	Benzaldehyde	78.4	240	12	ug/kg	J
91-58-7	2-Chloronaphthalene	ND	95	11	ug/kg	
106-47-8	4-Chloroaniline	ND	240	17	ug/kg	
86-74-8	Carbazole	ND	95	6.9	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

**Client Sample ID:** HPO-1 (13.5-14)

 Lab Sample ID:
 JE5000-4
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 69.4

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	95	19	ug/kg	
218-01-9	Chrysene	ND	47	15	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	95	10	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	95	20	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	95	17	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	95	15	ug/kg	
121-14-2	2,4-Dinitrotoluene <sup>a</sup>	ND	47	15	ug/kg	
606-20-2	2,6-Dinitrotoluene <sup>a</sup>	ND	47	24	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	95	40	ug/kg	
123-91-1	1,4-Dioxane	ND	47	31	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	47	21	ug/kg	
132-64-9	Dibenzofuran	ND	95	19	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	95	7.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	95	12	ug/kg	
84-66-2	Diethyl phthalate	ND	95	10	ug/kg	
131-11-3	Dimethyl phthalate	ND	95	8.4	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	95	11	ug/kg	
206-44-0	Fluoranthene	ND	47	21	ug/kg	
86-73-7	Fluorene	ND	47	22	ug/kg	
118-74-1	Hexachlorobenzene	ND	95	12	ug/kg	
87-68-3	Hexachlorobutadiene a	ND	47	19	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	470	19	ug/kg	
67-72-1	Hexachloroethane	ND	240	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	47	22	ug/kg	
78-59-1	Isophorone	ND	95	10	ug/kg	
91-57-6	2-Methylnaphthalene	ND	47	11	ug/kg	
88-74-4	2-Nitroaniline	ND	240	11	ug/kg	
99-09-2	3-Nitroaniline	ND	240	12	ug/kg	
100-01-6	4-Nitroaniline	ND	240	12	ug/kg	
91-20-3	Naphthalene	ND	47	13	ug/kg	
98-95-3	Nitrobenzene	ND	95	18	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	95	14	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	240	17	ug/kg	
85-01-8	Phenanthrene	ND	47	16	ug/kg	
129-00-0	Pyrene	ND	47	15	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	240	12	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	its	
367-12-4	2-Fluorophenol	35%		10-99	9%	

367-12-4 2-Fluorophenol 35% 10-99%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

N Indicates analyse found in associated method blank

 $N = \ Indicates \ presumptive \ evidence \ of \ a \ compound$ 

Page 3 of 3

**Client Sample ID:** HPO-1 (13.5-14)

 Lab Sample ID:
 JE5000-4
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 69.4

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### ABN TCL List (SOM0 2.0)

CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 1 Run# 2 Limits			
4165-62-2	Phenol-d5	38%		10-96%		
118-79-6	2,4,6-Tribromophenol	25%		10-123%		
4165-60-0	Nitrobenzene-d5	48%		10-109%		
321-60-8	2-Fluorobiphenyl	57%		11-109%		
1718-51-0	Terphenyl-d14	52%		10-120%		
CAS No.	Tentatively Identified Compo	ounds	R.T.	Est. Conc.	Units	Q
	Phenol, methoxy-		5.03	1900	ug/kg	J
	Alkane		5.14	2300	ug/kg	J
	Unknown		5.20	3700	ug/kg	J
	Unknown		5.27	4000	ug/kg	J
	Unknown		5.34	3800	ug/kg	J
	Unknown		5.45	2200	ug/kg	J
	Unknown		6.67	230	ug/kg	J
57-10-3	n-Hexadecanoic acid		7.56	270	ug/kg	JN
	Unknown		9.38	220	ug/kg	
	System artifact		9.64	1200	ug/kg	J
	Unknown		10.50	190	ug/kg	
	Unknown		10.63	190	ug/kg	
	Unknown		10.67	260	ug/kg	J
	Unknown		11.30	260	ug/kg	J
	Unknown		11.94	380	ug/kg	J
	Unknown		12.58	250	ug/kg	
	Unknown		13.31	220	ug/kg	J
	Unknown		13.41	250	ug/kg	
	Total TIC, Semi-Volatile			20620	ug/kg	J

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

**Client Sample ID:** HPO-1 (13.5-14)

 Lab Sample ID:
 JE5000-4
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8081B
 SW846 3546
 Percent Solids:
 69.4

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 1G206050.D
 1
 02/06/25 12:55
 RK
 02/04/25 13:30
 OP61276
 G1G7407

Run #2

Run #1 16.1 g 10.0 ml

Run #2

#### **Pesticide TCL List**

CAS No.	Compound	Result	RL MDL Units			Q
309-00-2	Aldrin	ND	0.89	0.74	ug/kg	
319-84-6	alpha-BHC	ND	0.89	0.73	ug/kg	
319-85-7	beta-BHC	ND	0.89	0.81	ug/kg	
319-86-8	delta-BHC	ND	0.89	0.86	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.89	0.66	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.89	0.72	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.89	0.41	ug/kg	
60-57-1	Dieldrin	ND	0.89	0.61	ug/kg	
72-54-8	4,4'-DDD	ND	0.89	0.82	ug/kg	
72-55-9	4,4'-DDE	ND	0.89	0.78	ug/kg	
50-29-3	4,4'-DDT	ND	0.89	0.79	ug/kg	
72-20-8	Endrin	ND	0.89	0.70	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.89	0.70	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.89	0.51	ug/kg	
959-98-8	Endosulfan-I	ND	0.89	0.52	ug/kg	
33213-65-9	Endosulfan-II	ND	0.89	0.56	ug/kg	
76-44-8	Heptachlor	ND	0.89	0.77	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.89	0.63	ug/kg	
72-43-5	Methoxychlor	ND	1.8	0.71	ug/kg	
53494-70-5	Endrin ketone	ND	0.89	0.65	ug/kg	
8001-35-2	Toxaphene	ND	22	21	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
877-09-8	Tetrachloro-m-xylene	86%		13-10	52%	
877-09-8	Tetrachloro-m-xylene	88%		13-10		
2051-24-3	Decachlorobiphenyl	60%		10-18		
2051-24-3	Decachlorobiphenyl	84%		10-18		
2031-27-3	Decacinorouphenyi	U T/U		10-10	30 /0	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

Page 1 of 1

**Client Sample ID:** HPO-1 (13.5-14)

Lab Sample ID: **Date Sampled:** 01/31/25 JE5000-4 **Matrix:** SO - Soil **Date Received:** 01/31/25 Method: SW846 8082A SW846 3546 **Percent Solids:** 69.4

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

File ID DF **Analytical Batch** Analyzed By **Prep Date Prep Batch** Run #1 3G145065.D 1 02/05/25 02:48 CP 02/04/25 13:30 OP61277 G3G5344

Run #2

**Final Volume Initial Weight** Run #1 10.0 ml 16.1 g

Run #2

#### **PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	45	21	ug/kg	
11104-28-2	Aroclor 1221	ND	45	28	ug/kg	
11141-16-5	Aroclor 1232	ND	45	29	ug/kg	
53469-21-9	Aroclor 1242	ND	45	18	ug/kg	
12672-29-6	Aroclor 1248	ND	45	40	ug/kg	
11097-69-1	Aroclor 1254	ND	45	24	ug/kg	
11096-82-5	Aroclor 1260	ND	45	19	ug/kg	
11100-14-4	Aroclor 1268	ND	45	39	ug/kg	
37324-23-5	Aroclor 1262	ND	45	29	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limi	ts	
877-09-8	Tetrachloro-m-xylene	97%		10-17	74%	
877-09-8	Tetrachloro-m-xylene	108%		10-17	74%	
2051-24-3	Decachlorobiphenyl	75%		10-19	95%	
2051-24-3	Decachlorobiphenyl	99%		10-19	95%	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Page 1 of 1

**Client Sample ID:** HPO-1 (13.5-14)

Lab Sample ID:JE5000-4Date Sampled:01/31/25Matrix:SO - SoilDate Received:01/31/25Percent Solids:69.4

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### **Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method	Prep Method
Aluminum	11000	71	mg/kg	1	02/01/25	02/03/25 M	1M	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Antimony	< 2.8	2.8	mg/kg	1	02/01/25	02/03/25 M	ſМ	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Arsenic	6.0	2.8	mg/kg	1	02/01/25	02/03/25 M	1M	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Barium	197	28	mg/kg	1	02/01/25	02/03/25 M	1M	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Beryllium	1.5	0.28	mg/kg	1	02/01/25	02/03/25 M	ſМ	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Cadmium <sup>a</sup>	< 7.1	7.1	mg/kg	10	02/01/25	02/05/25 M	1M	SW846 6010D <sup>4</sup>	SW846 3050B <sup>5</sup>
Calcium	46200	1400	mg/kg	2	02/01/25	02/04/25 M	1M	SW846 6010D <sup>3</sup>	SW846 3050B <sup>5</sup>
Chromium	26.0	1.4	mg/kg	1	02/01/25	02/03/25 M	1M	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Cobalt	15.9	7.1	mg/kg	1	02/01/25	02/03/25 M	ſМ	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Copper	3840	35	mg/kg	10	02/01/25	02/05/25 M	1M	SW846 6010D <sup>4</sup>	SW846 3050B <sup>5</sup>
Iron	36100	140	mg/kg	2	02/01/25	02/04/25 M	1M	SW846 6010D <sup>3</sup>	SW846 3050B <sup>5</sup>
Lead	2180	5.7	mg/kg	2	02/01/25	02/04/25 M	1M	SW846 6010D <sup>3</sup>	SW846 3050B <sup>5</sup>
Magnesium	8440	710	mg/kg	1	02/01/25	02/03/25 M	1M	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Manganese	19400	64	mg/kg	30	02/01/25	02/05/25 M	1M	SW846 6010D <sup>4</sup>	SW846 3050B <sup>5</sup>
Mercury	1.5	0.086	mg/kg	2	02/03/25	02/03/25 M	1K	SW846 7471B <sup>1</sup>	SW846 7471B <sup>6</sup>
Nickel	38.1	5.7	mg/kg	1	02/01/25	02/03/25 M	1M	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Potassium	2090	1400	mg/kg	1	02/01/25	02/03/25 M	1M	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Selenium <sup>a</sup>	< 85	85	mg/kg	30	02/01/25	02/05/25 M	1M	SW846 6010D <sup>4</sup>	SW846 3050B <sup>5</sup>
Silver a	< 21	21	mg/kg	30	02/01/25	02/05/25 M	1M	SW846 6010D <sup>4</sup>	SW846 3050B <sup>5</sup>
Sodium	< 1400	1400	mg/kg	1	02/01/25	02/03/25 M	1M	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Thallium <sup>a</sup>	< 43	43	mg/kg	30	02/01/25	02/05/25 M	1M	SW846 6010D <sup>4</sup>	SW846 3050B <sup>5</sup>
Vanadium	50.1	7.1	mg/kg	1	02/01/25	02/03/25 M	ſМ	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>
Zinc	214	7.1	mg/kg	1	02/01/25	02/03/25 M	ſМ	SW846 6010D <sup>2</sup>	SW846 3050B <sup>5</sup>

(1) Instrument QC Batch: MA57820
(2) Instrument QC Batch: MA57821
(3) Instrument QC Batch: MA57827
(4) Instrument QC Batch: MA57834
(5) Prep QC Batch: MP52503
(6) Prep QC Batch: MP52522

(a) Elevated detection limit due to dilution required for high interfering element.

Page 1 of 1

**Client Sample ID:** HPO-1 (13.5-14)

Lab Sample ID:JE5000-4Date Sampled:01/31/25Matrix:SO - SoilDate Received:01/31/25Percent Solids:69.4

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.30	0.30	mg/kg	1	02/03/25 22:06	JD	SW846 9012B/LACHAT
Solids, Percent	69.4		%	1	02/03/25 13:41	DP	SM2540 G 18TH ED MOD

 Client Sample ID:
 HPO-2 (1.5-2)

 Lab Sample ID:
 JE5000-5
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 93.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 3C192089.D
 1
 02/03/25 17:41 PS
 02/01/25 06:35 n/a
 V3C8349

 Run #2
 V3C8349

Initial Weight
Run #1 4.5 g
Run #2

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	4.9	ug/kg	
71-43-2	Benzene	ND	0.59	0.54	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	0.66	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.51	ug/kg	
75-25-2	Bromoform	ND	5.9	1.6	ug/kg	
74-83-9	Bromomethane	ND	5.9	0.91	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.9	ug/kg	
75-15-0	Carbon disulfide	ND	2.4	0.63	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	0.73	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.54	ug/kg	
75-00-3	Chloroethane a	ND	5.9	0.70	ug/kg	
67-66-3	Chloroform	ND	2.4	1.2	ug/kg	
74-87-3	Chloromethane	ND	5.9	2.3	ug/kg	
110-82-7	Cyclohexane	ND	2.4	0.78	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.4	0.82	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.66	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.50	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.65	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.59	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.59	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.9	0.86	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.59	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.56	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.78	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.72	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.56	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.56	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.54	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.54	ug/kg	
76-13-1	Freon 113	ND	5.9	3.2	ug/kg	
591-78-6	2-Hexanone	ND	5.9	2.5	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

 Client Sample ID:
 HPO-2 (1.5-2)

 Lab Sample ID:
 JE5000-5
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8260D
 SW846 5035
 Percent Solids:
 93.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

#### **VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	<b>Q</b>	
98-82-8	Isopropylbenzene	ND	2.4	1.7	ug/kg	3	
79-20-9	Methyl Acetate	ND	5.9	1.6	ug/kg	3	
108-87-2	Methylcyclohexane	ND	2.4	1.0	ug/kg	3	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.56	ug/kg	3	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.9	2.7	ug/kg	3	
75-09-2	Methylene chloride	ND	5.9	3.1	ug/kg	3	
100-42-5	Styrene	ND	2.4	0.48	ug/kg	3	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.71	ug/kg	3	
127-18-4	Tetrachloroethene	ND	2.4	0.69	ug/kg	3	
108-88-3	Toluene	ND	1.2	0.62	ug/kg	3	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	3.0	ug/kg	3	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	3.0	ug/kg	3	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.57	ug/kg	3	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.66	ug/kg	3	
79-01-6	Trichloroethene	ND	1.2	0.90	ug/kg	3	
75-69-4	Trichlorofluoromethane	ND	5.9	0.81	ug/kg	3	
75-01-4	Vinyl chloride	ND	2.4	0.57	ug/kg	3	
	m,p-Xylene	ND	1.2	1.1	ug/kg	3	
95-47-6	o-Xylene	ND	1.2	0.54	ug/kg	3	
1330-20-7	Xylene (total)	ND	1.2	0.54	ug/kg	5	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lin	nits		
1868-53-7	Dibromofluoromethane	100%		80-	124%		
17060-07-0	1,2-Dichloroethane-D4	109%		75-	133%		
2037-26-5	Toluene-D8	98%		79-	125%		
460-00-4	4-Bromofluorobenzene	100%		58-	148%		
CAS No.	Tentatively Identified Compo	ounds	R.T.	Est	. Conc.	Units	Q
	system artifact		.81	16		ug/kg	J
	Total TIC, Volatile			0		ug/kg	

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

Client Sample ID: HPO-2 (1.5-2)

 Lab Sample ID:
 JE5000-5
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 93.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 CJ10725.D
 1
 02/05/25 21:29
 AO
 02/04/25 10:30
 OP61273
 ECJ457

Run #2

Initial Weight Final Volume

Run #1 30.2 g 1.0 ml

Run #2

### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	71	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol <sup>a</sup>	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	63	ug/kg	
51-28-5	2,4-Dinitrophenol <sup>a</sup>	ND	180	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol a	ND	180	38	ug/kg	
95-48-7	2-Methylphenol	ND	71	23	ug/kg	
	3&4-Methylphenol	ND	71	29	ug/kg	
88-75-5	2-Nitrophenol	ND	180	23	ug/kg	
100-02-7	4-Nitrophenol <sup>a</sup>	ND	350	94	ug/kg	
87-86-5	Pentachlorophenol	ND	140	33	ug/kg	
108-95-2	Phenol	ND	71	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol <sup>a</sup>	ND	180	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg	
83-32-9	Acenaphthene	ND	35	12	ug/kg	
208-96-8	Acenaphthylene	ND	35	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.6	ug/kg	
120-12-7	Anthracene	ND	35	22	ug/kg	
1912-24-9	Atrazine	ND	71	15	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	71	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	71	8.6	ug/kg	
92-52-4	1,1'-Biphenyl	ND	71	4.8	ug/kg	
100-52-7	Benzaldehyde	ND	180	8.8	ug/kg	
91-58-7	2-Chloronaphthalene	ND	71	8.4	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	71	5.1	ug/kg	

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Client Sample ID: HPO-2 (1.5-2) Lab Sample ID: **Date Sampled:** 01/31/25 JE5000-5 **Matrix:** SO - Soil **Date Received:** 01/31/25 Method: Percent Solids: 93.7 SW846 8270E SW846 3546

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	71	14	ug/kg	
218-01-9	Chrysene	ND	35	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	71	7.6	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	71	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	71	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	71	11	ug/kg	
121-14-2	2,4-Dinitrotoluene <sup>a</sup>	ND	35	11	ug/kg	
606-20-2	2,6-Dinitrotoluene <sup>a</sup>	ND	35	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	71	29	ug/kg	
123-91-1	1,4-Dioxane	ND	35	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	16	ug/kg	
132-64-9	Dibenzofuran	ND	71	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	71	5.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	71	8.8	ug/kg	
84-66-2	Diethyl phthalate	ND	71	7.5	ug/kg	
131-11-3	Dimethyl phthalate	ND	71	6.3	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	13.2	71	8.3	ug/kg	J
206-44-0	Fluoranthene	ND	35	16	ug/kg	
86-73-7	Fluorene	ND	35	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	71	8.9	ug/kg	
87-68-3	Hexachlorobutadiene a	ND	35	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	350	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	17	ug/kg	
78-59-1	Isophorone	ND	71	7.6	ug/kg	
91-57-6	2-Methylnaphthalene	ND	35	8.0	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.3	ug/kg	
99-09-2	3-Nitroaniline	ND	180	8.8	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.2	ug/kg	
91-20-3	Naphthalene	ND	35	10	ug/kg	
98-95-3	Nitrobenzene	ND	71	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	71	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	ND	35	12	ug/kg	
129-00-0	Pyrene	ND	35	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.0	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
267 12 4	0.F1 1 1	400/		10.00	20/	

367-12-4 2-Fluorophenol 49% 10-99%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

Page 3 of 3

 Client Sample ID:
 HPO-2 (1.5-2)

 Lab Sample ID:
 JE5000-5
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8270E
 SW846 3546
 Percent Solids:
 93.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
4165-62-2 118-79-6 4165-60-0 321-60-8 1718-51-0	Phenol-d5 2,4,6-Tribromophenol Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	52% 63% 49% 57% 62%		10-96% 10-123% 10-109% 11-109% 10-120%		
CAS No.	<b>Tentatively Identified Compo</b>	ounds	R.T.	Est. Conc.	Units	Q
	System artifact Unknown Unknown Unknown Total TIC, Semi-Volatile		9.64 10.36 10.55 10.64	970 410 300 190 900	ug/kg ug/kg ug/kg ug/kg ug/kg	J J J

<sup>(</sup>a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

Client Sample ID: HPO-2 (1.5-2) Lab Sample ID: JE5000-5

 Lab Sample ID:
 JE5000-5
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8081B
 SW846 3546
 Percent Solids:
 93.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 1G206051.D
 1
 02/06/25 13:11
 RK
 02/04/25 13:30
 OP61276
 G1G7407

Run #2

Run #1 15.3 g Final Volume 10.0 ml

Run #2

#### **Pesticide TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.70	0.57	ug/kg	
319-84-6	alpha-BHC	ND	0.70	0.57	ug/kg	
319-85-7	beta-BHC	ND	0.70	0.63	ug/kg	
319-86-8	delta-BHC	ND	0.70	0.67	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.70	0.51	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.70	0.56	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.70	0.32	ug/kg	
60-57-1	Dieldrin	ND	0.70	0.48	ug/kg	
72-54-8	4,4'-DDD	ND	0.70	0.64	ug/kg	
72-55-9	4,4'-DDE	1.4	0.70	0.61	ug/kg	
50-29-3	4,4'-DDT	0.91	0.70	0.62	ug/kg	
72-20-8	Endrin	ND	0.70	0.54	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.70	0.54	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.70	0.40	ug/kg	
959-98-8	Endosulfan-I	ND	0.70	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	0.70	0.44	ug/kg	
76-44-8	Heptachlor	ND	0.70	0.60	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.70	0.49	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.55	ug/kg	
53494-70-5	Endrin ketone	ND	0.70	0.50	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limi	ts	
877-09-8	Tetrachloro-m-xylene	109%		13-10	52%	
877-09-8	Tetrachloro-m-xylene	108%	13-162%			
2051-24-3	Decachlorobiphenyl	82%	10-180%			
2051-24-3	Decachlorobiphenyl	110%		10-18	80%	
	• •					

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

Page 1 of 1

**Date Sampled:** 01/31/25

Client Sample ID: HPO-2 (1.5-2) Lab Sample ID: JE5000-5

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Method:
 SW846 8082A
 SW846 3546
 Percent Solids:
 93.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 3G145066.D
 1
 02/05/25 03:04
 CP
 02/04/25 13:30
 OP61277
 G3G5344

Run #2

Run #1 15.3 g Final Volume

Run #2

#### **PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	16	ug/kg	
11104-28-2	Aroclor 1221	ND	35	22	ug/kg	
11141-16-5	Aroclor 1232	ND	35	22	ug/kg	
53469-21-9	Aroclor 1242	ND	35	14	ug/kg	
12672-29-6	Aroclor 1248	ND	35	31	ug/kg	
11097-69-1	Aroclor 1254	ND	35	19	ug/kg	
11096-82-5	Aroclor 1260	ND	35	15	ug/kg	
11100-14-4	Aroclor 1268	ND	35	31	ug/kg	
37324-23-5	Aroclor 1262	ND	35	23	ug/kg	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limi	ts	
877-09-8	Tetrachloro-m-xylene	126%		10-17	74%	
877-09-8	Tetrachloro-m-xylene	140%		10-17	74%	
2051-24-3	Decachlorobiphenyl	112%		10-19	95%	
2051-24-3	Decachlorobiphenyl	135%		10-19	95%	

ND = Not detected MDL = Method Detection Limit J =

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Page 1 of 1

 Client Sample ID:
 HPO-2 (1.5-2)

 Lab Sample ID:
 JE5000-5
 Date Sampled:
 01/31/25

 Matrix:
 SO - Soil
 Date Received:
 01/31/25

 Percent Solids:
 93.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed B	y Method	Prep Method
Aluminum	10200	54	mg/kg	1	02/01/25	02/03/25 M	M SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Antimony	< 2.1	2.1	mg/kg	1	02/01/25	02/03/25 M	2	SW846 3050B <sup>4</sup>
Arsenic	4.5	2.1	mg/kg	1	02/01/25	02/03/25 M	M SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Barium	27.8	21	mg/kg	1	02/01/25	02/03/25 M	M SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Beryllium	0.40	0.21	mg/kg	1	02/01/25	02/03/25 M	M SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Cadmium	< 0.54	0.54	mg/kg	1	02/01/25	02/03/25 M	M SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Calcium	16800	540	mg/kg	1	02/01/25	02/03/25 M	M SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Chromium	10.6	1.1	mg/kg	1	02/01/25	02/03/25 M	M SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Cobalt	9.4	5.4	mg/kg	1	02/01/25	02/03/25 M	M SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Copper	24.4	2.7	mg/kg	1	02/01/25	02/03/25 M	M SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Iron	23700	110	mg/kg	2	02/01/25	02/04/25 M	2	SW846 3050B <sup>4</sup>
Lead a	15.5	4.3	mg/kg	2	02/01/25	02/04/25 M	M SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Magnesium	8540	540	mg/kg	1	02/01/25	02/03/25 M	M SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Manganese	791	1.6	mg/kg	1	02/01/25	02/03/25 M	M SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Mercury	< 0.028	0.028	mg/kg	1	02/03/25	02/03/25 M	K SW846 7471B <sup>1</sup>	SW846 7471B <sup>5</sup>
Nickel	20.2	4.3	mg/kg	1	02/01/25	02/03/25 M	M SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Potassium	< 1100	1100	mg/kg	1	02/01/25	02/03/25 M	M SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Selenium <sup>a</sup>	< 4.3	4.3	mg/kg	2	02/01/25	02/04/25 M	M SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Silver	< 0.54	0.54	mg/kg	1	02/01/25	02/03/25 M	M SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Sodium	< 1100	1100	mg/kg	1	02/01/25	02/03/25 M	M SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Thallium <sup>a</sup>	< 2.1	2.1	mg/kg	2	02/01/25	02/04/25 M	M SW846 6010D <sup>3</sup>	SW846 3050B <sup>4</sup>
Vanadium	11.2	5.4	mg/kg	1	02/01/25	02/03/25 M	M SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Zinc	58.6	5.4	mg/kg	1	02/01/25	02/03/25 M	M SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>

(1) Instrument QC Batch: MA57820
(2) Instrument QC Batch: MA57821
(3) Instrument QC Batch: MA57827
(4) Prep QC Batch: MP52503
(5) Prep QC Batch: MP52523

(a) Elevated detection limit due to dilution required for high interfering element.

Page 1 of 1

Client Sample ID: HPO-2 (1.5-2) Lab Sample ID: JE5000-5

Lab Sample ID:JE5000-5Date Sampled:01/31/25Matrix:SO - SoilDate Received:01/31/25Percent Solids:93.7

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Solids, Percent	< 0.25 93.7	0.25	mg/kg %	1 1	02/03/25 22:07 02/03/25 13:41		SW846 9012B/LACHAT SM2540 G 18TH ED MOD

SGS	So							US													7 9	Pa	ge ]	of <u>L</u>	"75 MV
				2	235 Ro	ute 13	0, Dayl	Inc ton, NJ	08810	on O						FED-EX	Tracking (				Bottle	Order Co	ntrol#		
-1					W		32-329- s.com/	0200 ehsusa								SGS QL	ote #				SGS J	lob# _	SESO	000	
Citient / Reporting Information Company Name:	Project Nam	e:	Proje	ct Inform	nation														Ana	lysis Re					Matrix Codes
Company Na me: SE ST		1 State	She	e <del>l</del>																					DW - Drinking Wate GW - Ground Wate
asq us 44	34 St	ak st		Billing	hiormet	lon (W di	Marrard &	om Repor	••			_		_		7									WW - Water SW - Surface Water
forsificant NS 67054 26	OSS W		State	Compan	y Name	On the Unit	HOLDIN M	ain Kebor	1 10)			_				<i>₹</i>									SO - Sol SL- Sludge
	Project #		<del>}</del>	Street Ac	ddress						-			_		133									SED-Sediment OI - O6 LIQ - Other Liquid
Orrismostrion assistantes Orrismostrion assistantes Organismostrion	1 3968 Client Purcha			City			-			State				Sip .		2									AIR - Air SOL - Other Solid
Spycierie) Name(s) Phone #	Droject Mane			Attention										<del></del>		(1730)		ļ							WP - Wipe FB - Field Blank
Konnek 97351887	Project Marie	Thuad Dan	w		c											ارـ		ı				İ			EB-Equipment Blank RB - Rinse Blank TB - Trip Blank
1 !			Colle	ction	T			F	Γ.	N	umber o	f Bott	ies	T w	_		_ ;	-35	pH C	reck (Las	Use On	fy)			
sas Sumple # Field ID / Point of Collection	MECHIOI VIIII	Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinal ed (Y/N)	Matrix	# of bottes	ᅙ	ğ	<b>ુ</b> 8 ±	Ş.	Di Vi	MEDH						1			1 1		
1 Hf-10 (1-1,5)	1	13/125	845	KR	6	NA	Cod		-	+	-	✝		<del>-   "</del>	+	1	-+	+	+		+	-	┿┵┼	-	LAB USE ONLY
2 HF-11 (015-1)			915	1	1		i		П		-	1		T				十	_	1	$\top$	$\vdash$	$\vdash$		<del> </del>
3 HF-12 (4-4.5)	+1 $-$	<del>                                     </del>	1340	$\sqcup$		Ш				$\Box$	Ι.					$\Box$					1				<b>†</b>
4 HPO-1 (13,5-14) 5 HPO-2 (1,5-2)	<del>-↓</del> -	$\sqcup \sqcup$	1050			$\Box$	1			_ _	L			$\perp$											
5 Hpo-2 (115-2)	<del>-</del> -	1	1015	٧	V	4	4		$\sqcup$	+		L	Ш		$\perp$	V	_								
	-	<del>                                     </del>			_			_	$\vdash$	+	+	-	++	- -	Н			_	<u> </u>		<u> </u>		$\sqcup$		<u> </u>
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1 Business Day	-		ı	⊏	NJ DK	QP					ed	D Fon	mat		_				1					./[]	<i>W</i>
Addition SHOW CO Addition and the SGS Engage Sample Custody must be documented below each time	Approvel needed f	or 1-3 BD TAT	$\mathcal{A}$			_	Coe	nmercial Commerc	"A" = R	esults o	nly: Con	Summ	lai "B" = lary + Par	Results Ital Raw	+ QC Si dete	ummery						http://w	ww.sgs.	com/en/teri	ms-and-conditions
Date / Tim	e:	Received Bur	ging courier	aplivery.	1/2				Religi	alyaya ta	4	+1	21/	5			-	Date	Time:		Panaga	48		/ -	
1 Knnn Q M Kunzud 1/3/165		1 C	$V_{-}$	79/	جتے				2		-1	1/3	Y	,					19	:20	2		10/1	right	7
3 Relinquished by: Date / Tim		3 Received By:							Helingti 4		r.				п.			Date	Time:		Received 4	1 By:			
5		5							Custody	5441 #						ntact Not intact	 □_au	PTABLE		Therm See Sem		t Summers	On Ice	Coole	Tomp. 11.2%
51104 040 0000 00 D . D											۱Ac	<b>APLE</b>	2 KFC	LIVED	001	SIDE C	IS REO	HOED							<b>3850</b>

JE5000: Chain of Custody

Page 1 of 3

## **SGS Sample Receipt Summary**

Job Number: j	e5000		Client:	SESI CONSULTING	ENGINEERS	Project: 34 STATE STR	EET, OSS	INING, NY	
Date / Time Received:	1/31/202	5 7:20:00	0 PM	Delivery Method:	SGS COURIER	Airbill #'s:			
Cooler Temps (Raw Mea	,		` '						
Cooler Security  1. Custody Seals Present: 2. Custody Seals Intact: Cooler Temperature	Y or		3. COC Procession of the second secon		1. Sample labo	urity - Documentation els present on bottles: abeling complete: ttainer label / COC agree:	Y	or N	
1. Temp criteria achieved: 2. Cooler temp verification: 3. Cooler media: 4. No. Coolers:			)		1. Sample rec	rs accounted for:	Y •	or N	
1. Trip Blank present / coole 2. Trip Blank listed on COC 3. Samples preserved property. 4. VOCs headspace free:	er: [ :: [ erly: [		N N/A		Sample Inte  1. Analysis re 2. Bottles rec 3. Sufficient v 4. Compositir	grity - Instructions quested is clear: eived for unspecified tests olume recvd for analysis: ng instructions clear: structions clear:	У  		N/A
Test Strip Lot #s:	pH 1-1:	2:	231619	pH 12+:	203117A	Other: (Specify)			
Comments Received sample	es in coo	er withou	it ice and out	t of hold temperature (1	1.2)				

**JE5000: Chain of Custody** 

Page 2 of 3

SM089-02 Rev. Date 12/1/16

Responded to by: Louie DeVletter

Proceed with analysis.

Response Date: 2/4/2025

**JE5000:** Chain of Custody

Page 3 of 3



Dayton, NJ 02/06/25

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

e-Hardcopy 2.0 **Automated Report** 



## **SESI Consulting Engineers**

Ossining Investigation, 34 State Street, Ossining, NY

13968

SGS Job Number: JE5018

Sampling Date: 01/31/25



SESI Consulting Engineers 959 Route 46E 3rd Floor Parsippany, NJ 07054 ssg@sesi.org; chris.malvicini@sesi.org

ATTN: Steve Gustems

Total number of pages in report: 516



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Uga 4. agonan Olga Azarian **Technical Director** 

Client Service contact: Louie Devletter 732-329-0200 Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

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



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## **Sample Summary**

**SESI** Consulting Engineers

JE5018 Job No:

Ossining Investigation, 34 State Street, Ossining, NY Project No: 13968

Sample Number	Collected Date Time By	Matrix Received Code Type	Client Sample ID
This report of Organics ND	*	s ND = Not detected. The following a ged above the MDL	pplies:
JE5018-1	01/31/25 14:30 RR	01/31/25 AIR Soil Vapor Comp.	SV-1
JE5018-2	01/31/25 14:25 RR	01/31/25 AIR Soil Vapor Comp.	SV-2
JE5018-3	01/31/25 14:17 RR	01/31/25 AIR Soil Vapor Comp.	SSSV-1
JE5018-4	01/31/25 14:21 RR	01/31/25 AIR Indoor Air Comp.	IA-1

### CASE NARRATIVE / CONFORMANCE SUMMARY

Client: SESI Consulting Engineers Job No: JE5018

Site: Ossining Investigation, 34 State Street, Ossining, NY Report Date 2/6/2025 12:04:05 PM

On 01/31/2025, 4 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. An SGS Job Number of JE5018 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

#### MS Volatiles By Method TO-15

Matrix: AIR Batch ID: V5W2168

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE4785-5DUP were used as the QC samples indicated.
- JE5018-4 for Naphthalene: This compound in blank spike is outside in house QC limits bias high.
- V5W2168-BS for Naphthalene: High percent recovery and no associated positive reported in the QC batch.

Matrix: AIR Batch ID: V7W440

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE5018-1DUP were used as the QC samples indicated.
- The duplicate RPD(s) for Styrene are outside control limits for sample JE5018-1DUP. RPD acceptable due to low DUP and sample concentrations.
- JE5018-1DUP for Isopropyl Alcohol: Outside in house control limits.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Ossining Investigation, 34 State Street, Ossining, NY 01/31/25 **Project:** 

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
JE5018-1 SV-1					
Acetone (2-Propanone)	120	0.80	0.58	ppbv	TO-15
Benzene	1.3	0.20	0.047	ppbv	TO-15
Carbon disulfide	1.7	0.20	0.045	ppbv	TO-15
Cyclohexane	0.24	0.20	0.045	ppbv	TO-15
Dichlorodifluoromethane	0.38	0.20	0.10	ppbv	TO-15
Ethanol	7.3	0.50	0.39	ppbv	TO-15
Ethylbenzene	3.1	0.20	0.061	ppbv	TO-15
Ethyl Acetate	2.0	0.20	0.10	ppbv	TO-15
4-Ethyltoluene	1.2	0.20	0.095	ppbv	TO-15
Heptane	0.85	0.20	0.091	ppbv	TO-15
Hexane	0.99	0.20	0.052	ppbv	TO-15
2-Hexanone	0.61	0.20	0.15	ppbv	TO-15
Isopropyl Alcohol	0.95	0.20	0.14	ppbv	TO-15
Methylene chloride	1.1	0.20	0.13	ppbv	TO-15
Methyl ethyl ketone	5.6	0.20	0.11	ppbv	TO-15
Methyl Isobutyl Ketone	0.82	0.20	0.073	ppbv	TO-15
Naphthalene	0.13 J	0.20	0.13	ppbv	TO-15
Propylene	2.1	0.50	0.14	ppbv	TO-15
1,2,4-Trimethylbenzene	3.0	0.20	0.087	ppbv	TO-15
1,3,5-Trimethylbenzene	0.88	0.20	0.080	ppbv	TO-15
2,2,4-Trimethylpentane	0.17 J	0.20	0.040	ppbv	TO-15
Tertiary Butyl Alcohol	0.94	0.20	0.093	ppbv	TO-15
Tetrachloroethylene	13.1	0.040	0.014	ppbv	TO-15
Tetrahydrofuran	0.19 J	0.20	0.090	ppbv	TO-15
Toluene	11.2	0.20	0.057	ppbv	TO-15
Trichloroethylene	0.30	0.040	0.019	ppbv	TO-15
Trichlorofluoromethane	0.49	0.10	0.15	ppbv	TO-15
m,p-Xylene	12.7	0.20	0.14	ppbv	TO-15
o-Xylene	4.5	0.20	0.077	ppbv	TO-15
Xylenes (total)	17.2	0.20	0.077	ppbv	TO-15
Acetone (2-Propanone)	285	1.9	1.4	ug/m3	TO-15
Benzene	4.2	0.64	0.15	ug/m3	TO-15
Carbon disulfide	5.3	0.62	0.14	ug/m3	TO-15
Cyclohexane	0.83	0.69	0.15	ug/m3	TO-15
Dichlorodifluoromethane	1.9	0.99	0.49	ug/m3	TO-15
Ethanol	14	0.94	0.73	ug/m3	TO-15
Ethylbenzene	13	0.87	0.26	ug/m3	TO-15
Ethyl Acetate	7.2	0.72	0.36	ug/m3	TO-15
4-Ethyltoluene	5.9	0.98	0.47	ug/m3	TO-15
Heptane	3.5	0.82	0.37	ug/m3	TO-15
Hexane	3.5	0.70	0.18	ug/m3	TO-15
2-Hexanone	2.5	0.70	0.61	ug/m3	TO-15
Isopropyl Alcohol	2.3	0.49	0.34	ug/m3	TO-15
150propyr ruconor	2.3	0.77	U. J <del>.</del>	ug/1113	10-13

Ossining Investigation, 34 State Street, Ossining, NY 01/31/25 **Project:** 

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Mathylana ahlanida		0.60	0.45		TO 15
Methylene chloride	3.8	0.69	0.45	ug/m3	TO-15
Methyl ethyl ketone	17	0.59	0.32	ug/m3	TO-15
Methyl Isobutyl Ketone	3.4	0.82	0.30	ug/m3	TO-15
Naphthalene	0.68 J	1.0	0.68	ug/m3	TO-15
Propylene	3.6	0.86	0.24	ug/m3	TO-15
1,2,4-Trimethylbenzene	15	0.98	0.43	ug/m3	TO-15
1,3,5-Trimethylbenzene	4.3	0.98	0.39	ug/m3	TO-15
2,2,4-Trimethylpentane	0.79 J	0.93	0.19	ug/m3	TO-15
Tertiary Butyl Alcohol	2.8	0.61	0.28	ug/m3	TO-15
Tetrachloroethylene	88.8	0.27	0.095	ug/m3	TO-15
Tetrahydrofuran	0.56 J	0.59	0.27	ug/m3	TO-15
Toluene	42.2	0.75	0.21	ug/m3	TO-15
Trichloroethylene	1.6	0.21	0.10	ug/m3	TO-15
Trichlorofluoromethane	2.8	0.56	0.84	ug/m3	TO-15
m,p-Xylene	55.2	0.87	0.61	ug/m3	TO-15
o-Xylene	20	0.87	0.33	ug/m3	TO-15
Xylenes (total)	75.2	0.87	0.33	ug/m3	TO-15
JE5018-2 SV-2					
Acetone (2-Propanone)	108	0.80	0.58	ppbv	TO-15
Benzene	1.2	0.20	0.047	ppbv	TO-15
Carbon disulfide	1.2	0.20	0.045	ppbv	TO-15
Chloromethane	0.41	0.20	0.090	ppbv	TO-15
Cyclohexane	0.57	0.20	0.045	ppbv	TO-15
Dichlorodifluoromethane	0.39	0.20	0.10	ppbv	TO-15
Ethanol	4.3	0.50	0.39	ppbv	TO-15
Ethylbenzene	0.74	0.30	0.061	ppbv	TO-15
4-Ethyltoluene	0.74	0.20	0.001	ppbv	TO-15
Heptane	3.1	0.20	0.093	ppbv	TO-15
Hexane	13.8	0.20	0.051	ppbv	TO-15
	13.8	0.20	0.032	ppbv ppbv	TO-15 TO-15
Isopropyl Alcohol Methylene chloride	1.4	0.20	0.14	ppov ppbv	TO-15 TO-15
	2.9	0.20	0.13		TO-15 TO-15
Methyl tachytyl Katana			0.11	ppbv	
Methyl Isobutyl Ketone	0.18 J	0.20		ppbv	TO-15
Propylene	46.1	0.50	0.14	ppbv	TO-15
1,2,4-Trimethylbenzene	0.53	0.20	0.087	ppbv	TO-15
1,3,5-Trimethylbenzene	0.15 J	0.20	0.080	ppbv	TO-15
2,2,4-Trimethylpentane	0.29	0.20	0.040	ppbv	TO-15
Tertiary Butyl Alcohol	1.9	0.20	0.093	ppbv	TO-15
Tetrachloroethylene	0.22	0.040	0.014	ppbv	TO-15
Toluene	4.6	0.20	0.057	ppbv	TO-15
Trichloroethylene	0.17	0.040	0.019	ppbv	TO-15
Trichlorofluoromethane	0.56	0.10	0.15	ppbv	TO-15
m,p-Xylene	2.6	0.20	0.14	ppbv	TO-15

Ossining Investigation, 34 State Street, Ossining, NY 01/31/25 **Project:** 

Lab Sample ID Client Sample ID	Docult/				
Analyte	Qual	RL	MDL	Units	Method
o-Xylene	0.89	0.20	0.077	ppbv	TO-15
Xylenes (total)	3.5	0.20	0.077	ppbv	TO-15
Acetone (2-Propanone)	257	1.9	1.4	ug/m3	TO-15
Benzene	3.8	0.64	0.15	ug/m3	TO-15
Carbon disulfide	3.7	0.62	0.14	ug/m3	TO-15
Chloromethane	0.85	0.41	0.19	ug/m3	TO-15
Cyclohexane	2.0	0.69	0.15	ug/m3	TO-15
Dichlorodifluoromethane	1.9	0.99	0.49	ug/m3	TO-15
Ethanol	8.1	0.94	0.73	ug/m3	TO-15
Ethylbenzene	3.2	0.87	0.26	ug/m3	TO-15
4-Ethyltoluene	0.98	0.98	0.47	ug/m3	TO-15
Heptane	13	0.82	0.37	ug/m3	TO-15
Hexane	48.6	0.70	0.18	ug/m3	TO-15
Isopropyl Alcohol	3.4	0.49	0.34	ug/m3	TO-15
Methylene chloride	3.5	0.69	0.45	ug/m3	TO-15
Methyl ethyl ketone	8.6	0.59	0.32	ug/m3	TO-15
Methyl Isobutyl Ketone	0.74 J	0.82	0.30	ug/m3	TO-15
Propylene	79.2	0.86	0.24	ug/m3	TO-15
1,2,4-Trimethylbenzene	2.6	0.98	0.43	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.74 J	0.98	0.39	ug/m3	TO-15
2,2,4-Trimethylpentane	1.4	0.93	0.19	ug/m3	TO-15
Tertiary Butyl Alcohol	5.8	0.61	0.28	ug/m3	TO-15
Tetrachloroethylene	1.5	0.27	0.095	ug/m3	TO-15
Toluene	17	0.75	0.21	ug/m3	TO-15
Trichloroethylene	0.91	0.21	0.10	ug/m3	TO-15
Trichlorofluoromethane	3.1	0.56	0.84	ug/m3	TO-15
m,p-Xylene	11	0.87	0.61	ug/m3	TO-15
o-Xylene	3.9	0.87	0.33	ug/m3	TO-15
Xylenes (total)	15	0.87	0.33	ug/m3	TO-15
JE5018-3 SSSV-1					
Acetone (2-Propanone)	14.4	0.20	0.15	ppbv	TO-15
Benzene	0.32	0.20	0.047	ppbv	TO-15
Chloromethane	0.25	0.20	0.090	ppbv	TO-15
Dichlorodifluoromethane	0.39	0.20	0.10	ppbv	TO-15
Ethanol	0.70	0.50	0.39	ppbv	TO-15
Ethylbenzene	0.83	0.20	0.061	ppbv	TO-15
Ethyl Acetate	0.30	0.20	0.10	ppbv	TO-15
4-Ethyltoluene	0.69	0.20	0.095	ppbv	TO-15
Heptane	0.18 J	0.20	0.091	ppbv	TO-15
Hexane	0.47	0.20	0.051	ppbv	TO-15
Isopropyl Alcohol	0.47 0.15 J	0.20	0.14	ppbv	TO-15
Methylene chloride	0.46	0.20	0.14	ppbv	TO-15
Methyl ethyl ketone	0.40	0.20	0.13	ppbv	TO-15
mony cury recone	0.05	0.20	0.11	Pho	10-13

Ossining Investigation, 34 State Street, Ossining, NY 01/31/25 **Project:** 

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
1045	2.2	0.20	0.007		TO 15
1,2,4-Trimethylbenzene	2.2	0.20	0.087	ppbv	TO-15
1,3,5-Trimethylbenzene	0.44	0.20	0.080	ppbv	TO-15
Tertiary Butyl Alcohol	0.12 J	0.20	0.093	ppbv	TO-15
Tetrachloroethylene	0.15	0.040	0.014	ppbv	TO-15
Toluene	2.6	0.20	0.057	ppbv	TO-15
Trichlorofluoromethane	0.25	0.10	0.15	ppbv	TO-15
Vinyl Acetate	0.19 J	0.20	0.11	ppbv	TO-15
m,p-Xylene	4.0	0.20	0.14	ppbv	TO-15
o-Xylene	1.4	0.20	0.077	ppbv	TO-15
Xylenes (total)	5.4	0.20	0.077	ppbv	TO-15
Acetone (2-Propanone)	34.2	0.48	0.36	ug/m3	TO-15
Benzene	1.0	0.64	0.15	ug/m3	TO-15
Chloromethane	0.52	0.41	0.19	ug/m3	TO-15
Dichlorodifluoromethane	1.9	0.99	0.49	ug/m3	TO-15
Ethanol	1.3	0.94	0.73	ug/m3	TO-15
Ethylbenzene	3.6	0.87	0.26	ug/m3	TO-15
Ethyl Acetate	1.1	0.72	0.36	ug/m3	TO-15
4-Ethyltoluene	3.4	0.98	0.47	ug/m3	TO-15
Heptane	0.74 J	0.82	0.37	ug/m3	TO-15
Hexane	1.7	0.70	0.18	ug/m3	TO-15
Isopropyl Alcohol	0.37 J	0.49	0.34	ug/m3	TO-15
Methylene chloride	1.6	0.69	0.45	ug/m3	TO-15
Methyl ethyl ketone	1.9	0.59	0.32	ug/m3	TO-15
1,2,4-Trimethylbenzene	11	0.98	0.43	ug/m3	TO-15
1,3,5-Trimethylbenzene	2.2	0.98	0.39	ug/m3	TO-15
Tertiary Butyl Alcohol	0.36 J	0.61	0.28	ug/m3	TO-15
Tetrachloroethylene	1.0	0.27	0.095	ug/m3	TO-15
Toluene	9.8	0.75	0.21	ug/m3	TO-15
Trichlorofluoromethane	1.4	0.56	0.84	ug/m3	TO-15
Vinyl Acetate	0.67 J	0.70	0.39	ug/m3	TO-15
m,p-Xylene	17	0.87	0.61	ug/m3	TO-15
o-Xylene	6.1	0.87	0.33	ug/m3	TO-15
Xylenes (total)	23	0.87	0.33	ug/m3	TO-15
JE5018-4 IA-1					
Acetone (2-Propanone)	2.7	0.16	0.12	ppbv	TO-15
Benzene	0.27	0.16	0.038	ppbv	TO-15
Chloromethane	0.43	0.16	0.072	ppbv	TO-15
Carbon tetrachloride	0.079	0.032	0.032	ppbv	TO-15
Dichlorodifluoromethane	0.54	0.16	0.083	ppbv	TO-15
Ethanol	2.1	0.40	0.32	ppbv	TO-15
Ethyl Acetate	1.4	0.16	0.083	ppbv	TO-15
Hexane	0.31	0.16	0.083	ppbv	TO-15
HUAAHU	0.51	0.10	0.042	ρρυν	10-13
Isopropyl Alcohol	0.88	0.16	0.11	ppbv	TO-15

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

**Collected:** 01/31/25

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Methylene chloride	0.31	0.16	0.11	ppbv	TO-15
Methyl ethyl ketone	0.18	0.16	0.088	ppbv	TO-15
1,2,4-Trimethylbenzene	0.11 J	0.16	0.070	ppbv	TO-15
2,2,4-Trimethylpentane	0.087 J	0.16	0.032	ppbv	TO-15
Toluene	0.28	0.16	0.046	ppbv	TO-15
Trichlorofluoromethane	0.31	0.080	0.12	ppbv	TO-15
m,p-Xylene	0.21	0.16	0.11	ppbv	TO-15
o-Xylene	0.078 J	0.16	0.062	ppbv	TO-15
Xylenes (total)	0.29	0.16	0.062	ppbv	TO-15
Acetone (2-Propanone)	6.4	0.38	0.29	ug/m3	TO-15
Benzene	0.86	0.51	0.12	ug/m3	TO-15
Chloromethane	0.89	0.33	0.15	ug/m3	TO-15
Carbon tetrachloride	0.50	0.20	0.20	ug/m3	TO-15
Dichlorodifluoromethane	2.7	0.79	0.41	ug/m3	TO-15
Ethanol	4.0	0.75	0.60	ug/m3	TO-15
Ethyl Acetate	5.0	0.58	0.30	ug/m3	TO-15
Hexane	1.1	0.56	0.15	ug/m3	TO-15
Isopropyl Alcohol	2.2	0.39	0.27	ug/m3	TO-15
Methylene chloride	1.1	0.56	0.38	ug/m3	TO-15
Methyl ethyl ketone	0.53	0.47	0.26	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.54 J	0.79	0.34	ug/m3	TO-15
2,2,4-Trimethylpentane	0.41 J	0.75	0.15	ug/m3	TO-15
Toluene	1.1	0.60	0.17	ug/m3	TO-15
Trichlorofluoromethane	1.7	0.45	0.67	ug/m3	TO-15
m,p-Xylene	0.91	0.69	0.48	ug/m3	TO-15
o-Xylene	0.34 J	0.69	0.27	ug/m3	TO-15
Xylenes (total)	1.3	0.69	0.27	ug/m3	TO-15



# Dayton, NJ

# Section 4

Sample Results	
Report of Analysis	

### SGS North America Inc.

## **Report of Analysis**

Page 1 of 3

Client Sample ID: SV-1

Lab Sample ID: JE5018-1 **Date Sampled:** 01/31/25 Matrix: AIR - Soil Vapor Comp. Summa ID: A1582 **Date Received:** 01/31/25 Method: Percent Solids: n/a TO-15

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

DF **Analytical Batch** File ID Analyzed By **Prep Date Prep Batch** Run #1 7W12386.D 1 02/04/25 15:12 WC n/aV7W440 n/aV7W440 Run #2 7W12408.D 1 02/05/25 06:01 WC n/a n/a

	Initial Volume
Run #1	400 ml
Run #2	100 ml

#### **VOA TO15 List**

CAS No.	MW	Compound	Result	RL	MDL	Units Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	120 a	0.80	0.58	ppbv	285 a	1.9	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.084	ppbv	ND	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	1.3	0.20	0.047	ppbv	4.2	0.64	0.15	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.030	ppbv	ND	0.67	0.20	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.071	ppbv	ND	0.41	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv	ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv	ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv	ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	1.7	0.20	0.045	ppbv	5.3	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	I I	ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.068	ppbv	ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.037	ppbv	ND	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.090	I I	ND	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083		ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072	ppbv	ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv	ND	0.25	0.25	ug/m3
110-82-7	84.16	Cyclohexane	0.24	0.20	0.045	ppbv	0.83	0.69	0.15	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv	ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.059	ppbv	ND	0.16	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.030	ppbv	ND	0.77	0.23	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070	ppbv	ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062	ppbv	ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.048	ppbv	ND	0.72	0.17	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.38	0.20	0.10	ppbv	1.9	0.99	0.49	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.052	ppbv	ND	0.85	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv	ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.030	ppbv	ND	0.16	0.12	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv	ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.13	ppbv	ND	0.60	0.78	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.069	ppbv	ND	0.24	0.41	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.079	ppbv	ND	0.60	0.47	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv	ND	0.91	0.45	ug/m3

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



# 4

## **Report of Analysis**

Client Sample ID: SV-1

Lab Sample ID:JE5018-1Date Sampled:01/31/25Matrix:AIR - Soil Vapor Comp.Summa ID: A1582Date Received:01/31/25

Method: TO-15 Percent Solids: n/a

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **VOA TO15 List**

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	7.3	0.50	0.39	ppbv		14	0.94	0.73	ug/m3
100-41-4	106.2	Ethylbenzene	3.1	0.20	0.061	ppbv		13	0.87	0.26	ug/m3
141-78-6	88	Ethyl Acetate	2.0	0.20	0.10	ppbv		7.2	0.72	0.36	ug/m3
622-96-8	120.19	4-Ethyltoluene	1.2	0.20	0.095	ppbv		5.9	0.98	0.47	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.031	ppbv		ND	0.77	0.24	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.050	ppbv		ND	0.70	0.35	ug/m3
142-82-5	100.2	Heptane	0.85	0.20	0.091	ppbv		3.5	0.82	0.37	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.062	ppbv		ND	0.96	0.66	ug/m3
110-54-3	86.18	Hexane	0.99	0.20	0.052	ppbv		3.5	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	0.61	0.20	0.15	ppbv		2.5	0.82	0.61	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.95	0.20	0.14	ppbv		2.3	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	1.1	0.20	0.13	ppbv		3.8	0.69	0.45	ug/m3
78-93-3	72.11	Methyl ethyl ketone	5.6	0.20	0.11	ppbv		17	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.82	0.20	0.073	ppbv		3.4	0.82	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	0.29	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	0.29	ug/m3
91-20-3	128.17	Naphthalene	0.13	0.20	0.13	ppbv	J	0.68	1.0	0.68	ug/m3
115-07-1	42	Propylene	2.1	0.50	0.14	ppbv		3.6	0.86	0.24	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.053	ppbv		ND	0.85	0.23	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.078	ppbv		ND	0.55	0.43	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.048	ppbv		ND	0.69	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.038	ppbv		ND	0.55	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.12	ppbv		ND	0.74	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	3.0	0.20	0.087	ppbv		15	0.98	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.88	0.20	0.080	ppbv		4.3	0.98	0.39	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.17	0.20	0.040	ppbv	J	0.79	0.93	0.19	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.94	0.20	0.093	ppbv		2.8	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	13.1	0.040	0.014	ppbv		88.8	0.27	0.095	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.19	0.20	0.090	ppbv	J	0.56	0.59	0.27	ug/m3
108-88-3	92.14	Toluene	11.2	0.20	0.057	ppbv		42.2	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	0.30	0.040	0.019	ppbv		1.6	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.49	0.10	0.15	ppbv		2.8	0.56	0.84	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.069	ppbv		ND	0.10	0.18	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	0.39	ug/m3
	106.2	m,p-Xylene	12.7	0.20	0.14	ppbv		55.2	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	4.5	0.20	0.077	ppbv		20	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	17.2	0.20	0.077	ppbv		75.2	0.87	0.33	ug/m3

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

### Page 3 of 3

Client Sample ID: SV-1 Lab Sample ID: JE5018-1

Lab Sample ID:JE5018-1Date Sampled:01/31/25Matrix:AIR - Soil Vapor Comp.Summa ID: A1582Date Received:01/31/25

**Report of Analysis** 

Method: TO-15 Percent Solids: n/a

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **VOA TO15 List**

CAS No. Surrogate Recoveries Run# 1 Run# 2 Limits
460-00-4 4-Bromofluorobenzene 105% 105% 65-128%

(a) Result is from Run# 2

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

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





**Client Sample ID:** SV-2 Lab Sample ID:

SGS North America Inc.

JE5018-2 **Date Sampled:** 01/31/25 Matrix: **Date Received:** 01/31/25 AIR - Soil Vapor Comp. Summa ID: A1112

Method: TO-15 Percent Solids: n/a

Project: Ossining Investigation, 34 State Street, Ossining, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W12388.D	1	02/04/25 16:42	WC	n/a	n/a	V7W440
Run #2	7W12409.D	1	02/05/25 06:40	WC	n/a	n/a	V7W440

	Initial Volume	
Run #1	400 ml	
Run #2	100 ml	

### **VOA TO15 List**

CAS No.	MW	Compound	Result	RL	MDL	Units Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	108 a	0.80	0.58	ppbv	257 a	1.9	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.084	ppbv	ND	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	1.2	0.20	0.047	ppbv	3.8	0.64	0.15	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.030	ppbv	ND	0.67	0.20	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.071	ppbv	ND	0.41	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv	ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv	ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv	ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	1.2	0.20	0.045	ppbv	3.7	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	ppbv	ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.068	ppbv	ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.037	ppbv	ND	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.41	0.20	0.090	ppbv	0.85	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083	* *	ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072	ppbv	ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv	ND	0.25	0.25	ug/m3
110-82-7	84.16	Cyclohexane	0.57	0.20	0.045	ppbv	2.0	0.69	0.15	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv	ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.059	ppbv	ND	0.16	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.030		ND	0.77	0.23	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070		ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062		ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.048	ppbv	ND	0.72	0.17	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.39	0.20	0.10	ppbv	1.9	0.99	0.49	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.052	ppbv	ND	0.85	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv	ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.030	ppbv	ND	0.16	0.12	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv	ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.13	ppbv	ND	0.60	0.78	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.069	ppbv	ND	0.24	0.41	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.079	ppbv	ND	0.60	0.47	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv	ND	0.91	0.45	ug/m3

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



**Client Sample ID:** SV-2 Lab Sample ID: JE5018-2

**Date Sampled:** 01/31/25 Matrix: **Date Received:** 01/31/25 AIR - Soil Vapor Comp. Summa ID: A1112 Percent Solids: n/a

Method: TO-15

Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

### **VOA TO15 List**

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	4.3	0.50	0.39	ppbv		8.1	0.94	0.73	ug/m3
100-41-4	106.2	Ethylbenzene	0.74	0.20	0.061	ppbv		3.2	0.87	0.26	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	0.36	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.20	0.20	0.095	ppbv		0.98	0.98	0.47	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.031	ppbv		ND	0.77	0.24	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.050	ppbv		ND	0.70	0.35	ug/m3
142-82-5	100.2	Heptane	3.1	0.20	0.091	ppbv		13	0.82	0.37	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.062	ppbv		ND	0.96	0.66	ug/m3
110-54-3	86.18	Hexane	13.8	0.20	0.052	ppbv		48.6	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	0.61	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.4	0.20	0.14	ppbv		3.4	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	1.0	0.20	0.13	ppbv		3.5	0.69	0.45	ug/m3
78-93-3	72.11	Methyl ethyl ketone	2.9	0.20	0.11	ppbv		8.6	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.18	0.20	0.073	ppbv	J	0.74	0.82	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	0.29	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	0.29	ug/m3
91-20-3	128.17	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	0.68	ug/m3
115-07-1	42	Propylene	46.1	0.50	0.14	ppbv		79.2	0.86	0.24	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.053	ppbv		ND	0.85	0.23	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.078	ppbv		ND	0.55	0.43	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.048	ppbv		ND	0.69	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.038	ppbv		ND	0.55	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.12	ppbv		ND	0.74	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.53	0.20	0.087	ppbv		2.6	0.98	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.15	0.20	0.080	ppbv	J	0.74	0.98	0.39	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.29	0.20	0.040	ppbv		1.4	0.93	0.19	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	1.9	0.20	0.093	ppbv		5.8	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.22	0.040	0.014	ppbv		1.5	0.27	0.095	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	0.27	ug/m3
108-88-3	92.14	Toluene	4.6	0.20	0.057	ppbv		17	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	0.17	0.040	0.019	ppbv		0.91	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.56	0.10	0.15	ppbv		3.1	0.56	0.84	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.069	ppbv		ND	0.10	0.18	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	0.39	ug/m3
	106.2	m,p-Xylene	2.6	0.20	0.14	ppbv		11	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	0.89	0.20	0.077	ppbv		3.9	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	3.5	0.20	0.077	ppbv		15	0.87	0.33	ug/m3

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Client Sample ID: SV-2 Lab Sample ID: JE5018-2

**Date Sampled:** 01/31/25 Matrix: AIR - Soil Vapor Comp. Summa ID: A1112 **Date Received:** 01/31/25 n/a

Method: **Percent Solids:** TO-15

Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

### **VOA TO15 List**

CAS No. **Surrogate Recoveries** Run#1 Run# 2 Limits 460-00-4 4-Bromofluorobenzene 65-128% 105% 105%

(a) Result is from Run# 2

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

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



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## **Report of Analysis**

Client Sample ID: SSSV-1 Lab Sample ID:

JE5018-3 **Date Sampled:** 01/31/25 Matrix: AIR - Soil Vapor Comp. Summa ID: A1309 **Date Received:** 01/31/25

Method: Percent Solids: n/a TO-15

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

DF **Analytical Batch** File ID Analyzed By **Prep Date Prep Batch** V7W440 Run #1 7W12389.D 1 02/04/25 17:27 WC n/a n/a

Run #2

**Initial Volume** 

Run #1 400 ml

Run #2

### **VOA TO15 List**

CAS No.	MW	Compound	Result	RL	MDL	Units Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	14.4	0.20	0.15	ppbv	34.2	0.48	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.084	ppbv	ND	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	0.32	0.20	0.047	ppbv	1.0	0.64	0.15	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.030	ppbv	ND	0.67	0.20	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.071	ppbv	ND	0.41	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv	ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv	ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv	ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.045	ppbv	ND	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	ppbv	ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.068	ppbv	ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.037	ppbv	ND	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.25	0.20	0.090	ppbv	0.52	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083	ppbv	ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072		ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv	ND	0.25	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.045	ppbv	ND	0.69	0.15	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv	ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.059	ppbv	ND	0.16	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.030	ppbv	ND	0.77	0.23	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070		ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062	ppbv	ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.048	ppbv	ND	0.72	0.17	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.39	0.20	0.10	ppbv	1.9	0.99	0.49	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.052	ppbv	ND	0.85	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv	ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.030	ppbv	ND	0.16	0.12	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv	ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.13	ppbv	ND	0.60	0.78	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.069	ppbv	ND	0.24	0.41	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.079	ppbv	ND	0.60	0.47	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv	ND	0.91	0.45	ug/m3

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Client Sample ID: SSSV-1

Lab Sample ID: JE5018-3 **Date Sampled:** 01/31/25 **Date Received:** 01/31/25 Matrix: AIR - Soil Vapor Comp. Summa ID: A1309 Percent Solids: n/a

Method: TO-15

Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

### **VOA TO15 List**

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	0.70	0.50	0.39	ppbv		1.3	0.94	0.73	ug/m3
100-41-4	106.2	Ethylbenzene	0.83	0.20	0.061	ppbv		3.6	0.87	0.26	ug/m3
141-78-6	88	Ethyl Acetate	0.30	0.20	0.10	ppbv		1.1	0.72	0.36	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.69	0.20	0.095	ppbv		3.4	0.98	0.47	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.031	ppbv		ND	0.77	0.24	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.050	ppbv		ND	0.70	0.35	ug/m3
142-82-5	100.2	Heptane	0.18	0.20	0.091	ppbv	J	0.74	0.82	0.37	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.062	ppbv		ND	0.96	0.66	ug/m3
110-54-3	86.18	Hexane	0.47	0.20	0.052	ppbv		1.7	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	0.61	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.15	0.20	0.14	ppbv	J	0.37	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	0.46	0.20	0.13	ppbv		1.6	0.69	0.45	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.65	0.20	0.11	ppbv		1.9	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	0.29	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	0.29	ug/m3
91-20-3	128.17	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	0.68	ug/m3
115-07-1	42	Propylene	ND	0.50	0.14	ppbv		ND	0.86	0.24	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.053	ppbv		ND	0.85	0.23	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.078	ppbv		ND	0.55	0.43	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.048	ppbv		ND	0.69	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.038	ppbv		ND	0.55	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.12	ppbv		ND	0.74	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	2.2	0.20	0.087	ppbv		11	0.98	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.44	0.20	0.080	ppbv		2.2	0.98	0.39	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	0.19	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.12	0.20	0.093	ppbv	J	0.36	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.15	0.040	0.014	ppbv		1.0	0.27	0.095	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	0.27	ug/m3
108-88-3	92.14	Toluene	2.6	0.20	0.057	ppbv		9.8	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.25	0.10	0.15	ppbv		1.4	0.56	0.84	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.069	ppbv		ND	0.10	0.18	ug/m3
108-05-4	86	Vinyl Acetate	0.19	0.20	0.11	ppbv	J	0.67	0.70	0.39	ug/m3
	106.2	m,p-Xylene	4.0	0.20	0.14	ppbv		17	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	1.4	0.20	0.077	ppbv		6.1	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	5.4	0.20	0.077	ppbv		23	0.87	0.33	ug/m3

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Client Sample ID: SSSV-1 Lab Sample ID: JE5018-3

**Date Sampled:** 01/31/25 **Date Received:** 01/31/25 Matrix: AIR - Soil Vapor Comp. Summa ID: A1309 **Percent Solids:** n/a

Method: TO-15

Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

### **VOA TO15 List**

CAS No.	No. Surrogate Recoveries		Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%		65-128%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

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



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Client Sample ID: IA-1

Lab Sample ID: JE5018-4 **Date Sampled:** 01/31/25 Matrix: AIR - Indoor Air Comp. Summa ID: A1308 **Date Received:** 01/31/25 Method: Percent Solids: n/a TO-15

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

File ID DF **Analytical Batch** Analyzed By **Prep Date Prep Batch** Run #1 5W56604.D 1 02/04/25 00:57 WC n/a V5W2168 n/a

Run #2

**Initial Volume** 

Run #1 500 ml

Run #2

### **VOA TO15 List**

CAS No.	MW	Compound	Result	RL	MDL	Units Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	2.7	0.16	0.12	ppbv	6.4	0.38	0.29	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.16	0.067	ppbv	ND	0.35	0.15	ug/m3
71-43-2	78.11	Benzene	0.27	0.16	0.038	ppbv	0.86	0.51	0.12	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	0.024	ppbv	ND	0.54	0.16	ug/m3
75-25-2	252.8	Bromoform	ND	0.032	0.057	ppbv	ND	0.33	0.59	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	0.055	ppbv	ND	0.62	0.21	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	0.049	ppbv	ND	0.70	0.21	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	0.10	ppbv	ND	0.82	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	0.036	ppbv	ND	0.50	0.11	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	0.059	ppbv	ND	0.74	0.27	ug/m3
75-00-3	64.52	Chloroethane	ND	0.16	0.054	ppbv	ND	0.42	0.14	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	0.030	ppbv	ND	0.78	0.15	ug/m3
74-87-3	50.49	Chloromethane	0.43	0.16	0.072	ppbv	0.89	0.33	0.15	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	0.066	ppbv	ND	0.50	0.21	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	0.058	ppbv	ND	0.83	0.30	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.079	0.032	0.032	ppbv	0.50	0.20	0.20	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.16	0.036	ppbv	ND	0.55	0.12	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	0.046	ppbv	ND	0.65	0.19	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	0.047	ppbv	ND	0.13	0.19	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	0.024	ppbv	ND	0.61	0.18	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	0.056	ppbv	ND	0.65	0.23	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	0.050	ppbv	ND	0.74	0.23	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	0.038	ppbv	ND	0.58	0.14	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.54	0.16	0.083	ppbv	2.7	0.79	0.41	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	0.042	ppbv	ND	0.68	0.36	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.16	0.022	ppbv	ND	0.63	0.087	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	0.024	ppbv	ND	0.13	0.095	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	0.050	ppbv	ND	0.73	0.23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	0.11	ppbv	ND	0.48	0.66	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	0.055	ppbv	ND	0.19	0.33	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	0.063	ppbv	ND	0.48	0.38	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	0.081	ppbv	ND	0.73	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



# 4

## **Report of Analysis**

Client Sample ID: IA-1

Lab Sample ID:JE5018-4Date Sampled:01/31/25Matrix:AIR - Indoor Air Comp.Summa ID: A1308Date Received:01/31/25

Method: TO-15 Percent Solids: n/a

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

### **VOA TO15 List**

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	2.1	0.40	0.32	ppbv		4.0	0.75	0.60	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.16	0.049	ppbv		ND	0.69	0.21	ug/m3
141-78-6	88	Ethyl Acetate	1.4	0.16	0.083	ppbv		5.0	0.58	0.30	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.16	0.076	ppbv		ND	0.79	0.37	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	0.025	ppbv		ND	0.61	0.19	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	0.040	ppbv		ND	0.56	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.16	0.073	ppbv		ND	0.66	0.30	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.072	0.050	ppbv		ND	0.77	0.53	ug/m3
110-54-3	86.18	Hexane	0.31	0.16	0.042	ppbv		1.1	0.56	0.15	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	0.12	ppbv		ND	0.65	0.49	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.88	0.16	0.11	ppbv		2.2	0.39	0.27	ug/m3
75-09-2	84.94	Methylene chloride	0.31	0.16	0.11	ppbv		1.1	0.56	0.38	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.18	0.16	0.088	ppbv		0.53	0.47	0.26	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	0.058	ppbv		ND	0.66	0.24	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	0.064	ppbv		ND	0.58	0.23	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.16	0.056	ppbv		ND	0.66	0.23	ug/m3
91-20-3	128.17	Naphthalene <sup>a</sup>	ND	0.16	0.10	ppbv		ND	0.84	0.52	ug/m3
115-07-1	42	Propylene	ND	0.40	0.11	ppbv		ND	0.69	0.19	ug/m3
100-42-5	104.1	Styrene	ND	0.16	0.042	ppbv		ND	0.68	0.18	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	0.062	ppbv		ND	0.44	0.34	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	0.038	ppbv		ND	0.55	0.26	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.080	0.097	ppbv		ND	0.59	0.72	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.11	0.16	0.070	ppbv	J	0.54	0.79	0.34	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.16	0.064	ppbv		ND	0.79	0.31	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.087	0.16	0.032	ppbv	J	0.41	0.75	0.15	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.16	0.074	ppbv		ND	0.49	0.22	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.032	0.011	ppbv		ND	0.22	0.075	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.16	0.072	ppbv		ND	0.47	0.21	ug/m3
108-88-3	92.14	Toluene	0.28	0.16	0.046	ppbv		1.1	0.60	0.17	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.032	0.015	ppbv		ND	0.17	0.081	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.31	0.080	0.12	ppbv		1.7	0.45	0.67	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	0.055	ppbv		ND	0.082	0.14	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.16	0.090	ppbv		ND	0.56	0.32	ug/m3
	106.2	m,p-Xylene	0.21	0.16	0.11	ppbv		0.91	0.69	0.48	ug/m3
95-47-6	106.2	o-Xylene	0.078	0.16	0.062	ppbv	J	0.34	0.69	0.27	ug/m3
1330-20-7	106.2	Xylenes (total)	0.29	0.16	0.062	ppbv		1.3	0.69	0.27	ug/m3

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 

Client Sample ID: IA-1 Lab Sample ID: JE5018-4

**Date Sampled:** 01/31/25 Matrix: AIR - Indoor Air Comp. Summa ID: A1308 **Date Received:** 01/31/25 **Percent Solids:** n/a

Method: TO-15

Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

### **VOA TO15 List**

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

(a) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



## Misc. Forms

Dayton, NJ

## **Custody Documents and Other Forms**

## Includes the following where applicable:

- · Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- Internal Chain of Custody
- 2024 MDL Study Method: TO-15

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					TEL. 732-329-02 ww.sqs.com/ehs								JES	7018	-	-	)
Client / Reporting Info	ormation					ject Inform	ation	AL.	1/2007年		Weather F	Parameters			Reque	ested Ar	nalys
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1				Flow		Time	Canister	Interior		1 1	Time	Canister	Interior		9		
le	Indoor (I) Soil Vap (SV)	Canister	Canister Size	Controller		(24hr	Pressure	Temp	Sampler	Date	(24hr clock)	Pressure ("Hg)	Temp (F)	Sampler Init.	t		
Field ID / Point of Collection	Ambient (A)	Serial #	6L or 1L	Serial #	Date	(lock)	("Hg)	(F)	Init.	1	1430	- 213	/	RA	×		+
SV-1	SV	A1581	6	FC1374	113(12)	120	7	/	H	131/25	1425	motoly	-	11/	×	+	+
5V-2	100	A-1112	1	FC1344		1219	-2915	1	1	,	20,0	515	_	1		-	+
SV-3 355V-	1	A 1309		FC878	V	1207	-30				1417	-5	/	1	X		+
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JE5018: Chain of Custody

Page 1 of 3

Stack minimum and a second			Date&Time		
AIR SAMPLING EQUIPMENT RETURN FORM Project: $34.5$	1 1	FC1372 FC1340	Time Received By:		
AIR SAMPLING	SY-OU715-72		Date&Time Date&Time		
Client: SES	Control: PREM-5Y-011715-72 Additional Summs Canisters  S A1644	A 1610 7 A1278	Relinquished By:	Custody Seal #'s:	SM086-03 Pub date: 3/12/18

JE5018: Chain of Custody Page 2 of 3

## **SGS Sample Receipt Summary**

Job Number:	Client: SES	SI CONSULTING E	NGINEERS	Project: 34 STATE STREET, OSSINING, NY					
Date / Time Received:	1/31/2025 5:00:0	00 PM De	livery Method:	DROP OFF	Airbill #'s:				
Cooler Temps (Raw Me	-								
Cooler Security  1. Custody Seals Present: 2. Custody Seals Intact:  Cooler Temperature  1. Temp criteria achieved: 2. Cooler temp verification 3. Cooler media: 4. No. Coolers:	✓ □ ·  Y or  : □	<u> </u>	🖭 🗀	Sample labels     Container labels     Sample container	iner label / COC agree: ity - Condition within HT: accounted for:	y y 0	or N		
Quality Control Preser  1. Trip Blank present / cor  2. Trip Blank listed on CO  3. Samples preserved pro  4. VOCs headspace free:	oler:   C:   operly:   v	N N/A		Sample Integr 1. Analysis requ 2. Bottles receiv 3. Sufficient volu	ity - Instructions lested is clear: red for unspecified tests ume recvd for analysis: instructions clear:		or N	N/A	
Test Strip Lot #s:	pH 1-12:	231619	pH 12+	: 203117A	Other: (Specify)	·			
Comments  SM089-03 Rev. Date 12/7/17									

JE5018: Chain of Custody Page 3 of 3

5.2

#### **Summa Canister and Flow Controller Log**

**Job Number:** JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

**Received:** 01/31/25

SUMMA	CA	NISTI	ERS										
Shipping	3						Receiving						
Summa		Vac	Date		SCC	SCC	Sample	Date		Vac	Pres	Final	Dil
ID	L	"Hg	Out	By	Batch	FileID	Number	In	By	'' Hg	psig	psig	Fact
A1582	6	29.5	01/20/25	JT	CP12960	05W56096.D	JE5018-1	02/03/25	JH	1.5			1
A1112	6	29.5	01/17/25	JT	CP12960	5W56096.D	JE5018-2	02/03/25	JH	4.5			1
A1309	6	29.5	01/17/25	JT	CP12960	05W56096.D	JE5018-3	02/03/25	JH	3			1
A1308	6	29.5	01/17/25	JT	CP12960	05W56096.D	JE5018-4	02/03/25	JH	3			1

FLOW (	CONTROL	LER	S / OTH	ER					
Shipping	g				Receivin	g			
Flow	Date		cc/	Time	Date		cc/	Flow	
Crtl ID	Out	By	min	hrs.	In	By	min	RPD	<b>Equipment Type</b>
C732	01/20/25	JT	41	2	02/03/25	JH	42	2.4	Flow Controller
FC878	01/17/25	JT	41	2	02/03/25	JH	44	7.1	Flow Controller
MC104	01/17/25	JT	41	2	02/03/25	JH	43	4.8	Flow Controller
FC1340	01/20/25	JT	42	2	02/03/25	JH	44	4.7	Flow Controller
FC1343	01/17/25	JT	41	2	02/03/25	JH	41	0	Flow Controller
FC1372	01/20/25	JT	42	2	02/03/25	JH	44	4.7	Flow Controller
FC1374	01/20/25	JT	42	2	02/03/25	JH	42	0	Flow Controller

#### **SGS Bottle Order(s):**

PREM-SY-011725-72 PREM-SY-012025-77

Prep Date	Room Temp(F)	Bar Pres 'Hg
01/17/25	70	29.92
01/20/25	70	29.92

### **Internal Sample Tracking Chronicle**

**SESI** Consulting Engineers

JE5018 Job No:

Ossining Investigation, 34 State Street, Ossining, NY Project No: 13968

Sample Number	Method	Analyzed	Ву	Prepped	Ву	Test Codes
JE5018-1 SV-1	Collected: 31-JAN-25	14:30 By: RR	Receiv	ed: 31-JAN-	-25 By:	JK
JE5018-1 JE5018-1	TO-15 TO-15	04-FEB-25 15:12 05-FEB-25 06:01	WC WC			VTO15NYSVLL VTO15NYSVLL
JE5018-2 SV-2	Collected: 31-JAN-25	14:25 By: RR	Receiv	ed: 31-JAN-	-25 By:	JK
JE5018-2 JE5018-2	TO-15 TO-15	04-FEB-25 16:42 05-FEB-25 06:40	WC WC			VTO15NYSVLL VTO15NYSVLL
JE5018-3 SSSV-1	Collected: 31-JAN-25	14:17 By: RR	Receiv	ed: 31-JAN-	-25 By:	JK
JE5018-3	TO-15	04-FEB-25 17:27	WC			VTO15NYSVLL
JE5018-4 IA-1	Collected: 31-JAN-25	14:21 By: RR	Receiv	ed: 31-JAN-	-25 By:	JK
JE5018-4	TO-15	04-FEB-25 00:57	WC			VTO15NYLL

### **SGS Internal Chain of Custody**

Job Number: JE5018
Account: SESINJPB SESI Consulting Engineers

Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

Received: 01/31/25

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE5018-1.1	Aleandi Rodriguez	Secured Storage	02/01/25 13:51	Return to Storage
JE5018-1.2	Aleandi Rodriguez	Secured Storage	02/01/25 13:51	Return to Storage
JE5018-2.1	Aleandi Rodriguez	Secured Storage	02/01/25 13:51	Return to Storage
JE5018-2.2	Aleandi Rodriguez	Secured Storage	02/01/25 13:51	Return to Storage
JE5018-3.1	Aleandi Rodriguez	Secured Storage	02/01/25 13:51	Return to Storage
JE5018-3.2	Aleandi Rodriguez	Secured Storage	02/01/25 13:51	Return to Storage
JE5018-4.1	Aleandi Rodriguez	Secured Storage	02/01/25 13:51	Return to Storage
JE5018-4.2	Aleandi Rodriguez	Secured Storage	02/01/25 13:51	Return to Storage

					MDLVALUE		
METHODREF LOGINNUN	۵	INSTRUME	INSTRUME PARM_STORED		CURRENT	ZG.	ONITS
JD57260	5/22/2024	GCMS8W	120-82-1	1,2,4-Trichlorobenzene	0.121	0.2	yddd
1057260	5/22/2024	GCMISSW	541-/3-1	m-Dichlorobenzene Naphthalogo	0.132	0.7	yadd
1057260	5/22/2024	GCMS8W	127-18-4	Tetrachloroethylene	0.127	0.04	yddd
D57260	5/22/2024	GCMS8W	79-01-6	Trichloroethylene	0.019	0.04	vdaa
ID57260	5/22/2024	<b>GCMS7W</b>	630-20-6	1,1,1,2-Tetrachloroethane	0.042	0.2	hpbv
ID57260	5/22/2024	<b>GCMS7W</b>	71-55-6	1,1,1-Trichloroethane	0.078	0.2	hpbv
ID57260	5/22/2024	GCMS7W	79-34-5	1,1,2,2-Tetrachloroethane	0.048	0.2	hpbv
ID57260	5/22/2024	<b>GCMS7W</b>	2-00-62	1,1,2-Trichloroethane	0.038	0.2	hpbv
ID57260	5/22/2024	GCMS7W	75-34-3	1,1-Dichloroethane	0.057	0.2	hpbv
ID57260	5/22/2024	GCMS7W	75-35-4	1,1-Dichloroethylene	0.059	0.2	hpbv
ID57260	5/22/2024	GCMS7W	96-18-4	1,2,3-Trichloropropane	0:020	0.2	hpbv
JD57260	5/22/2024	GCMS7W	526-73-8	1,2,3-Trimethylbenzene	0.099	0.2	hpbv
ID57260	5/22/2024	GCMS7W	92-63-6	1,2,4-Trimethylbenzene	0.087	0.2	hpby
ID57260	5/22/2024	GCMS7W	106-93-4	1,2-Dibromoethane (EDB)	0.030	0.2	nqdd
ID57260	5/22/2024	GCMS7W	107-06-2	1,2-Dichloroethane	0.070	0.2	, nddd
ID57260	5/22/2024	GCMS7W	78-87-5	1,2-Dichloropropane	0.062	0.5	hpbv
ID57260	5/22/2024	GCMS7W	108-67-8	1,3,5-Trimethylbenzene	0.080	0.2	hpbv
ID57260	5/22/2024	GCMS7W	106-99-0	1,3-Butadiene	0.084	0.5	hpbv
D57260	5/22/2024	GCMS7W	142-28-9	1,3-Dichloropropane	0.057	0.2	hpbv
JD57260	5/22/2024	GCMS7W	123-91-1	1,4-Dioxane	0.048	0.2	nqdd
ID57260	5/22/2024	GCMS7W	540-84-1	2,2,4-Trimethylpentane	0.040	0.2	hpbv
ID57260	5/22/2024	GCMS7W	565-59-3	2,3-Dimethylpentane	0.036	0.2	hpbv
JD57260	5/22/2024	GCMS7W	108-08-7	2,4-Dimethylpentane	0.048	0.2	ppbv
ID57260	5/22/2024	GCMS7W	95-49-8	2-Chlorotoluene	0.072	0.2	, ddd
ID57260	5/22/2024	GCMS7W	591-78-6	2-Hexanone	0.145	0.2	Add
105/260	5/22/2024	GCMS/W	10/-05-1	3-Chloropropene	0.083	0.7	\add
1057260	5/22/2024	GCMS/W	622-96-8	4-Ethyltoluene	0.095	0.2	yadd
105/260	5/22/2024	GCMIS/W	6/-64-I	Acetone (2-Propanone)	0.145	0.7	yadd
05/260	5/22/2024	GCMIS/W	75-05-8	Acetonitrile	0.171	0.7	vadd
02720	5/22/2024	GCINIS/W	107-02-8	Acrolein	0.088	7.0	yadd
105/260	5/22/2024	GCIMIS/W	10/-13-1	Acrylonitrile	0.091	0.7	yadd
105/260	5/22/2024	GCMS/W	/1-43-2	Benzene	0.047	0.7	yadd
1057260	5/22/2024	W/SIMOD	100-44-7	Benzyi Cnioriae	0.125	0.7	yadd
02720	5/22/2024	GCM57W	75-27-4	Bromodichloromethane	0.033	2.0	yddd
1057260	5/22/2024	GCMSZW	593-60-2	Bromoethene	0.050	2.0	ydd
ID57260	5/22/2024	GCMS7W	75-25-2	Bromoform	0.071	0.2	yddd
JD57260	5/22/2024	<b>GCMS7W</b>	74-83-9	Bromomethane	690.0	0.5	nddd
ID57260	5/22/2024	<b>GCMS7W</b>	75-15-0	Carbon disulfide	0.045	0.2	hpbv
ID57260	5/22/2024	<b>GCMS7W</b>	56-23-5	Carbon tetrachloride	0.040	0.2	hpbv
ID57260	5/22/2024	GCMS7W	108-90-7	Chlorobenzene	0.074	0.2	hpbv
ID57260	5/22/2024	GCMS7W	75-45-6	Chlorodifluoromethane	0.106	0.2	nddd
ID57260	5/22/2024	GCMS7W	75-00-3	Chloroethane	0.068	0.2	, ddd
ID57260	5/22/2024	GCMS7W	67-66-3	Chlorotorm	0.037	0.2	Add
D5/260	5/22/2024	GCMS/W	70.20.0	Chloromethane	0.090	0.7	yadd
105/260	5/22/2024	GCMS/W	79-38-9	Chlorotrifluoroethene	0.059	0.7	nadd -
D5 / 260	5/22/2024	GCMIS/W	156-59-2	cis-1,2-Dichloroetnylene	0.030	0.7	vadd
002720	5/22/2024	GCINIS/ W	110.92.7	cis-1,3-Diciliolopilopelle	0.062	2.0	youdd yddd
1057260	5/22/2024	GCMS7W	124-48-1	Cyclollexalle Dibromochloromethane	0.043	2.0	yddd
1057260	5/22/2024	GCM57W	74-95-3	Dibromomethane	0.032	2.0	yddd
D57260	5/22/2024	GCMS7W	75-71-8	Dichlorodifluoromethane	0.104	0.2	ydad
ID57260	5/22/2024	GCMS7W	75-43-4	Dichlorofluoromethane	0.066	0.2	vdaa
D57260	5/22/2024	GCMS7W	108-20-3	Di-Isopropyl ether	0.082	0.2	ydad
JD57260	5/22/2024	GCMS7W	64-17-5	Ethanol	0.394	0.5	vadd
			1			!	

vdqq	vadd	hpbv	hpbv	nqdd	hpbv	nqdd	hpbv	hpbv	hpbv	hpbv	hpbv	hpbv	nqdd	hpbv	nqdd	hpbv	hpbv	hpbv	nqdd	hpbv	nqdd	hpbv	hpbv	hpbv	hpbv	hpbv	hpbv	hpbv	hpbv	hpbv	hpbv	hpbv	nddd	hpbv	hpbv	hpbv	hpbv	nqdd	hpbv	hpbv	hpbv	hpbv	hpbv	hpbv
0.2	0.7	0.5	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
0.104	0.105	0.061	0.031	0.050	0.035	0.082	0.070	090'0	0.091	0.062	0.082	0.052	0.037	0.141	0.064	0.139	0.110	0.073	0.080	0.133	0.070	0.106	0.106	0.100	0.091	0.120	0.069	0.077	0.079	0.138	0.080	0.142	0.081	0.053	0.083	0.093	0.090	0.057	0.028	0.101	0.154	0.136	0.112	0.069
Ethyl Acetate	Ethyl Acrylate	Ethylbenzene	Freon 113	Freon 114	Freon 123	Freon 123A	Freon 142B	Freon 152A	Heptane	Hexachlorobutadiene	Hexachloroethane	Hexane	Iodomethane	Isopropyl Alcohol	Isopropylbenzene	m, p-Xylene	Methyl ethyl ketone	Methyl Isobutyl Ketone	Methyl Tert Butyl Ether	Methylene chloride	Methylmethacrylate	n-Butane	n-Butylbenzene	Nonane	n-Propylbenzene	Octane	o-Dichlorobenzene	o-Xylene	p-Dichlorobenzene	Pentane	p-IsopropyItoluene	Propylene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tertiary Butyl Alcohol	Tetrahydrofuran	Toluene	trans-1,2-Dichloroethylene	trans-1,3-Dichloropropene	Trichlorofluoromethane	C AS EQUIV PENT TVHC As Equiv Pentane	Vinyl Acetate	Vinyl chloride
141-78-6	140-88-5	100-41-4	76-13-1	76-14-2	306-83-2	354-23-4	75-68-3	75-37-6	142-82-5	87-68-3	67-72-1	110-54-3	74-88-4	67-63-0	98-85-8	M, P-XYLENE	78-93-3	108-10-1	1634-04-4	75-09-2	80-62-6	106-97-8	104-51-8	111-84-2	103-65-1	111-65-9	95-50-1	95-47-6	106-46-7	109-66-0	9-84-66	115-07-1	135-98-8	100-42-5	9-90-86	75-65-0	109-99-9	108-88-3	156-60-5	10061-02-6	75-69-4	C AS EQUIV PEN	108-05-4	75-01-4
GCMS7W	GCIMIS/W	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	GCMS8W	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	GCMS7W	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	<b>GCMS7W</b>	GCMS7W
5/22/2024	5/72/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024
JD57260	JD5 / 260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260	JD57260
10-15	10-T2	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15

Section 6



#### MS Volatiles

Dayton, NJ

#### QC Data Summaries

#### Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method: TO-15

#### **Method Blank Summary**

Job Number: JE5018

**Account:** SESINJPB SESI Consulting Engineers

Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

Sample V5W2168-MB	<b>File ID</b> 5W56590.D	<b>DF</b> 1	<b>Analyzed</b> 02/03/25	By WC	<b>Prep Date</b> n/a	<b>Prep Batch</b> n/a	Analytical Batch V5W2168

The QC reported here applies to the following samples:

CAS No.	Compound	Result	RL	MDL	Units Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv	ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv	ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv	ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv	ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv	ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv	ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv	ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv	ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv	ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv	ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv	ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv	ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv	ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv	ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv	ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv	ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv	ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv	ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv	ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv	ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv	ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv	ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.048	ppbv	ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv	ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv	ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv	ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv	ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv	ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv	ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv	ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv	ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv	ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv	ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv	ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv	ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv	ND	0.98	ug/m3

Method: TO-15

#### **Method Blank Summary**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Sample V5W2168-MB	<b>File ID</b> 5W56590.D	<b>DF</b> 1	<b>Analyzed</b> 02/03/25	By WC	<b>Prep Date</b> n/a	<b>Prep Batch</b> n/a	Analytical Batch V5W2168

The QC reported here applies to the following samples:

CAS No.	Compound	Result	RL	MDL	Units Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv	ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv	ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.091	ppbv	ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv	ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv	ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv	ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv	ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv	ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv	ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv	ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv	ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv	ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	0.13	ppbv	ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv	ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv	ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv	ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv	ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv	ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv	ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv	ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv	ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv	ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv	ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv	ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv	ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv	ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv	ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv	ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv	ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv	ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv	ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv	ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv	ND	0.87	ug/m3

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#### **Method Blank Summary**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Sample V5W2168-MB	<b>File ID</b> 5W56590.D	<b>DF</b> 1	<b>Analyzed</b> 02/03/25	<b>By</b> WC	<b>Prep Date</b> n/a	<b>Prep Batch</b> n/a	Analytical Batch V5W2168

The QC reported here applies to the following samples:

Method: TO-15

JE5018-4

CAS No. Surrogate Recoveries Limits
460-00-4 4-Bromofluorobenzene 112% 65-128%

Method: TO-15

#### **Method Blank Summary**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Sample V7W440-MB	<b>File ID</b> 7W12384.D	<b>DF</b> 1	<b>Analyzed</b> 02/04/25	By WC	<b>Prep Date</b> n/a	<b>Prep Batch</b> n/a	Analytical Batch V7W440

The QC reported here applies to the following samples:

CAS No.	Compound	Result	RL	MDL	Units Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv	ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv	ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv	ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv	ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv	ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv	ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv	ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv	ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv	ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv	ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv	ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv	ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv	ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv	ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv	ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv	ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv	ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv	ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv	ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv	ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv	ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv	ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.048	ppbv	ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv	ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv	ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv	ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv	ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv	ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv	ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv	ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv	ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv	ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv	ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv	ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv	ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv	ND	0.98	ug/m3

Method: TO-15

#### **Method Blank Summary**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Sample V7W440-MB	<b>File ID</b> 7W12384.D	<b>DF</b> 1	<b>Analyzed</b> 02/04/25	<b>By</b> WC	<b>Prep Date</b> n/a	<b>Prep Batch</b> n/a	Analytical Batch V7W440

The QC reported here applies to the following samples:

CAS No.	Compound	Result	RL	MDL	Units Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv	ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv	ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.091	ppbv	ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv	ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv	ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv	ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv	ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv	ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv	ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv	ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv	ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv	ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	0.13	ppbv	ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv	ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv	ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv	ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv	ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv	ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv	ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv	ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv	ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv	ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv	ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv	ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv	ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv	ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv	ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv	ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv	ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv	ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv	ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv	ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv	ND	0.87	ug/m3

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#### **Method Blank Summary**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	<b>Analytical Batch</b>
V7W440-MB	7W12384.D	1	02/04/25	WC	n/a	n/a	V7W440

The QC reported here applies to the following samples:

Method: TO-15

CAS No.	<b>Surrogate Recoveries</b>		Limits			
460-00-4	4-Bromofluorobenzene	82%	65-128%			
CAS No.	Tentatively Identified Comp	sounda	р т	E-4 C	TT !4-	•
	Tentatively Identified Comp	Jounus	R.T.	Est. Conc.	Units	Ų

Method: TO-15

#### **Method Blank Summary**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Sample	File ID	DF	Analyzed	$\mathbf{B}\mathbf{y}$	<b>Prep Date</b>	<b>Prep Batch</b>	<b>Analytical Batch</b>
V7W411-MB	7W11435.D	1	01/03/25	BK	n/a	n/a	V7W411

The QC reported here applies to the following samples:

CAS No.	Compound	Result	RL	MDL	Units Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv	ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv	ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv	ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv	ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv	ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv	ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv	ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv	ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv	ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv	ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv	ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv	ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv	ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv	ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv	ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv	ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv	ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv	ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv	ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv	ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv	ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv	ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.048	ppbv	ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv	ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv	ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv	ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv	ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv	ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv	ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv	ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv	ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv	ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv	ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv	ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv	ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv	ND	0.98	ug/m3

Method: TO-15

#### **Method Blank Summary**

Job Number:

JE5018 SESINJPB SESI Consulting Engineers Account:

Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W411-MB	7W11435.D	1	01/03/25	BK	n/a	n/a	V7W411

The QC reported here applies to the following samples:

CAS No.	Compound	Result	RL	MDL	Units Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv	ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv	ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.091	ppbv	ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv	ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv	ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv	ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv	ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv	ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv	ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv	ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv	ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv	ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	0.13	ppbv	ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv	ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv	ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv	ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv	ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv	ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv	ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv	ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv	ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv	ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv	ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv	ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv	ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv	ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv	ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv	ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv	ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv	ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv	ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv	ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv	ND	0.87	ug/m3

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Method: TO-15

#### **Method Blank Summary**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Sample	File ID	DF	Analyzed	Ву	Prep Date	Prep Batch	<b>Analytical Batch</b>
V7W411-MB	7W11435.D	1	01/03/25	BK	n/a	n/a	V7W411

The QC reported here applies to the following samples:

CAS No.	<b>Surrogate Recoveries</b>		Limits			
460-00-4	4-Bromofluorobenzene	100%	65-128%			
CAS No.	Tentatively Identified Comp	ounds	R.T.	Est. Conc.	Units	Q
	system artifact Total TIC, Volatile		1.58	4.8	ppbv ppbv	J

Method: TO-15

### Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	<b>Prep Batch</b>	Analytical Batch
V5W2168-BS	5W56586.D	1	02/03/25	WC	n/a	n/a	V5W2168
V5W2168-BSD	5W56587.D	1	02/03/25	WC	n/a	n/a	V5W2168

The QC reported here applies to the following samples:

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
		FF.	FF.		PP.	, -		
67-64-1	Acetone (2-Propanone)	10.3	7.7	75	7.5	73	3	70-130/30
106-99-0	1,3-Butadiene	10.8	8.5	79	8.2	76	4	70-130/30
71-43-2	Benzene	11	10.8	98	10.6	96	2	70-130/30
75-27-4	Bromodichloromethane	10.5	11.0	105	10.7	102	3	70-130/30
75-25-2	Bromoform	10.7	10.7	100	10.3	96	4	70-130/30
74-83-9	Bromomethane	10.5	9.3	89	8.9	85	4	70-130/30
593-60-2	Bromoethene	10.6	9.1	86	8.8	83	3	70-130/30
100-44-7	Benzyl Chloride	10.4	12.6	121	12.1	116	4	70-130/30
75-15-0	Carbon disulfide	10.6	10.9	103	10.6	100	3	70-130/30
108-90-7	Chlorobenzene	10.8	10.9	101	10.6	98	3	70-130/30
75-00-3	Chloroethane	10.4	8.2	79	7.7	74	6	70-130/30
67-66-3	Chloroform	10.8	11.4	106	11.0	102	4	70-130/30
74-87-3	Chloromethane	10.4	8.6	83	8.4	81	2	70-130/30
107-05-1	3-Chloropropene	10.5	11.2	107	11.1	106	1	70-130/30
95-49-8	2-Chlorotoluene	10.3	12.5	121	12.2	118	2	70-130/30
56-23-5	Carbon tetrachloride	10.8	12.2	113	12.1	112	1	70-130/30
110-82-7	Cyclohexane	10.9	10.8	99	10.7	98	1	70-130/30
75-34-3	1,1-Dichloroethane	10.7	10.5	98	10.3	96	2	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	11.0	103	10.8	101	2	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	13.1	119	12.5	114	5	70-130/30
107-06-2	1,2-Dichloroethane	10.9	11.7	107	11.3	104	3	70-130/30
78-87-5	1,2-Dichloropropane	10.5	9.6	91	9.5	90	1	70-130/30
123-91-1	1,4-Dioxane	10.5	11.6	110	11.0	105	5	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	12.2	115	11.6	109	5	70-130/30
124-48-1	Dibromochloromethane	10.5	12.5	119	12.0	114	4	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.0	105	10.8	103	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	10.9	102	10.5	98	4	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	11.5	107	11.3	106	2	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.3	109	10.9	105	4	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.6	108	11.2	105	4	70-130/30
106-46-7	p-Dichlorobenzene	10.9	11.9	109	11.4	105	4	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	11.0	108	10.7	105	3	70-130/30
64-17-5	Ethanol	10.2	7.8	76	7.4	73	5	70-130/30
100-41-4	Ethylbenzene	11	12.8	116	12.3	112	4	70-130/30
141-78-6	Ethyl Acetate	10.8	11.3	105	10.5	97	7	70-130/30
622-96-8	4-Ethyltoluene	10.9	13.1	120	12.6	116	4	70-130/30

<sup>\* =</sup> Outside of Control Limits.

Method: TO-15

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Sample	File ID	DF	Analyzed	By	<b>Prep Date</b>	Prep Batch	<b>Analytical Batch</b>
V5W2168-BS	5W56586.D	1	02/03/25	WC	n/a	n/a	V5W2168
V5W2168-BSD	5W56587.D	1	02/03/25	WC	n/a	n/a	V5W2168

The QC reported here applies to the following samples:

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	10.0	94	9.8	92	2	70-130/30
76-14-2	Freon 114	11	10.5	95	10.0	91	5	70-130/30
142-82-5	Heptane	11	10.9	99	10.6	96	3	70-130/30
87-68-3	Hexachlorobutadiene	10.8	8.0	74	7.9	73	1	70-130/30
110-54-3	Hexane	10.8	10.5	97	10.1	94	4	70-130/30
591-78-6	2-Hexanone	10.6	12.2	115	11.7	110	4	70-130/30
67-63-0	Isopropyl Alcohol	10.6	11.4	108	10.6	100	7	70-130/30
75-09-2	Methylene chloride	10.5	10	95	9.6	91	4	70-130/30
78-93-3	Methyl ethyl ketone	10.8	12.1	112	11.8	109	3	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	10.9	101	10.7	99	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	11.4	106	11.3	105	1	70-130/30
80-62-6	Methylmethacrylate	10.9	12.1	111	11.6	106	4	70-130/30
91-20-3	Naphthalene	10.9	14.3	131* a	14.0	128	2	70-130/30
115-07-1	Propylene	10.9	10.9	100	10.5	96	4	70-130/30
100-42-5	Styrene	11	13.7	125	13.2	120	4	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.8	109	11.4	106	3	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	11.9	109	11.5	106	3	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.0	103	10.8	101	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	9.9	91	9.8	90	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	13.2	120	12.8	116	3	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	13.1	120	12.8	117	2	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	10.5	97	10.3	95	2	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	10.5	106	10.2	103	3	70-130/30
127-18-4	Tetrachloroethylene	10.9	9.8	90	9.4	86	4	70-130/30
109-99-9	Tetrahydrofuran	10.5	12.0	114	11.6	110	3	70-130/30
108-88-3	Toluene	10.6	10.9	103	10.8	102	1	70-130/30
79-01-6	Trichloroethylene	10.5	10.7	102	10.4	99	3	70-130/30
75-69-4	Trichlorofluoromethane	10.6	12.4	117	11.9	112	4	70-130/30
75-01-4	Vinyl chloride	10.3	8.7	84	8.4	82	4	70-130/30
108-05-4	Vinyl Acetate	10.4	12.7	122	12.1	116	5	70-130/30
	m,p-Xylene	21.4	25.1	117	24.2	113	4	70-130/30
95-47-6	o-Xylene	10.9	12.8	117	12.3	113	4	70-130/30
1330-20-7	Xylenes (total)	32.3	38.0	118	36.6	113	4	70-130/30

<sup>\* =</sup> Outside of Control Limits.

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Method: TO-15

#### Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5018

SESINJPB SESI Consulting Engineers Account:

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2168-BS	5W56586.D	1	02/03/25	WC	n/a	n/a	V5W2168
V5W2168-BSD	5W56587.D	1	02/03/25	WC	n/a	n/a	V5W2168

The QC reported here applies to the following samples:

CAS No.	<b>Surrogate Recoveries</b>	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	111%	109%	65-128%

<sup>(</sup>a) High percent recovery and no associated positive reported in the QC batch.

<sup>\* =</sup> Outside of Control Limits.

Method: TO-15

#### Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Sample	File ID	DF	Analyzed	By	<b>Prep Date</b>	<b>Prep Batch</b>	Analytical Batch
V7W440-BS	7W12380.D	1	02/04/25	WC	n/a	n/a	V7W440
V7W440-BSD	7W12382.D	1	02/04/25	WC	n/a	n/a	V7W440

The QC reported here applies to the following samples:

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	8.6	83	8.6	83	0	70-130/30
106-99-0	1,3-Butadiene	10.8	11.0	102	10.4	96	6	70-130/30
71-43-2	Benzene	11	11.1	101	11.0	100	1	70-130/30
75-27-4	Bromodichloromethane	10.5	11.2	107	11.0	107	0	70-130/30
75-25-2	Bromoform	10.7	12.0	112	11.8	110	2	70-130/30
74-83-9	Bromomethane	10.7	12.4	118	12.1	115	2	70-130/30
593-60-2	Bromoethene	10.6	12.2	115	11.8	111	3	70-130/30
100-44-7	Benzyl Chloride	10.4	9.3	89	9.1	88	2	70-130/30
75-15-0	Carbon disulfide	10.6	13.2	125	12.8	121	3	70-130/30
108-90-7	Chlorobenzene	10.8	11.3	105	11.2	104	1	70-130/30
75-00-3	Chloroethane	10.4	12.1	116	11.7	113	3	70-130/30
67-66-3	Chloroform	10.8	11.7	108	11.6	107	1	70-130/30
74-87-3	Chloromethane	10.4	10.1	97	10.3	99	2	70-130/30
107-05-1	3-Chloropropene	10.5	11.4	109	11.9	113	4	70-130/30
95-49-8	2-Chlorotoluene	10.3	10.9	106	10.7	104	2	70-130/30
56-23-5	Carbon tetrachloride	10.8	11.5	106	11.3	105	2	70-130/30
110-82-7	Cyclohexane	10.9	11.0	101	10.8	99	2	70-130/30
75-34-3	1,1-Dichloroethane	10.7	10.4	97	10.3	96	1	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	11.5	107	11.4	107	1	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.6	105	11.5	105	1	70-130/30
107-06-2	1,2-Dichloroethane	10.9	11.2	103	11.0	101	2	70-130/30
78-87-5	1,2-Dichloropropane	10.5	9.9	94	9.8	93	1	70-130/30
123-91-1	1,4-Dioxane	10.5	10.1	96	10	95	1	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	11.7	110	11.9	112	2	70-130/30
124-48-1	Dibromochloromethane	10.5	10.9	104	10.8	103	1	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	12.1	115	11.1	106	9	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.1	104	10.9	102	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	10.9	102	10.8	101	1	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.7	113	11.5	111	2	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.9	111	11.8	110	1	70-130/30
106-46-7	p-Dichlorobenzene	10.9	12.2	112	12.2	112	0	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	10.1	99	10	98	1	70-130/30
64-17-5	Ethanol	10.2	9.6	94	9.4	92	2	70-130/30
100-41-4	Ethylbenzene	11	10.9	99	10.8	98	1	70-130/30
141-78-6	Ethyl Acetate	10.8	10.6	98	10.4	96	2	70-130/30
622-96-8	4-Ethyltoluene	10.9	11.6	106	11.4	105	2	70-130/30

<sup>\* =</sup> Outside of Control Limits.

Method: TO-15

#### Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	<b>Analytical Batch</b>
V7W440-BS	7W12380.D	1	02/04/25	WC	n/a	n/a	V7W440
V7W440-BSD	7W12382.D	1	02/04/25	WC	n/a	n/a	V7W440

The QC reported here applies to the following samples:

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	12.8	121	12.4	117	3	70-130/30
76-13-1	Freon 114	11	13.0	118	13.0	118	0	70-130/30
142-82-5	Heptane	11	9.4	85	9.3	85	1	70-130/30
87-68-3	Hexachlorobutadiene	10.8	13.3	123	13.4	124	1	70-130/30
110-54-3	Hexane	10.8	9.5	88	9.5	88	0	70-130/30
591-78-6	2-Hexanone	10.6	8.3	78	8.2	77	1	70-130/30
67-63-0	Isopropyl Alcohol	10.6	11.5	108	10.8	102	6	70-130/30
75-09-2	Methylene chloride	10.5	10.8	103	11.5	110	6	70-130/30
78-93-3	Methyl ethyl ketone	10.8	10.9	101	10.8	100	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	9.4	87	9.3	86	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	10.5	97	10.4	96	1	70-130/30
80-62-6	Methylmethacrylate	10.9	10.1	93	10.1	93	0	70-130/30
91-20-3	Naphthalene	10.9	11.8	108	11.6	106	2	70-130/30
115-07-1	Propylene	10.9	8.0	73	8.0	73	0	70-130/30
100-42-5	Styrene	11	11.6	105	11.5	105	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.2	104	11.0	102	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	12.3	113	12.1	111	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.2	105	11.0	103	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	13.0	119	13.4	123	3	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.0	109	11.8	107	2	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	11.6	106	11.4	105	2	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	9.8	91	9.8	91	0	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	9.1	92	9.6	97	5	70-130/30
127-18-4	Tetrachloroethylene	10.9	10.9	100	11.0	101	1	70-130/30
109-99-9	Tetrahydrofuran	10.5	11.4	109	11.3	108	1	70-130/30
108-88-3	Toluene	10.6	10.4	98	10.3	97	1	70-130/30
79-01-6	Trichloroethylene	10.5	10.9	104	10.8	103	1	70-130/30
75-69-4	Trichlorofluoromethane	10.6	11.9	112	11.8	111	1	70-130/30
75-01-4	Vinyl chloride	10.3	12.6	122	12.1	117	4	70-130/30
108-05-4	Vinyl Acetate	10.4	10.3	99	10.3	99	0	70-130/30
	m,p-Xylene	21.4	21.9	102	21.7	101	1	70-130/30
95-47-6	o-Xylene	10.9	11.2	103	11.1	102	1	70-130/30
1330-20-7	Xylenes (total)	32.3	33.2	103	32.8	102	1	70-130/30

<sup>\* =</sup> Outside of Control Limits.

## 6.2.2

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Method: TO-15

#### Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Sample V7W440-BS	<b>File ID</b> 7W12380.D	<b>DF</b>	<b>Analyzed</b> 02/04/25	By WC	Prep Date	<b>Prep Batch</b> n/a	Analytical Batch V7W440
V7W440-BSD	7W12382.D	1	02/04/25	WC	n/a	n/a	V7W440

The QC reported here applies to the following samples:

CAS No.	<b>Surrogate Recoveries</b>	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	107%	107%	65-128%

<sup>\* =</sup> Outside of Control Limits.

Method: TO-15

### Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W411-BS	7W11432.D	1	01/03/25	BK	n/a	n/a	V7W411
V7W411-BSD	7W11433.D	1	01/03/25	BK	n/a	n/a	V7W411

The QC reported here applies to the following samples:

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
	<b>-</b>	PP~	FF.		PP.			
67-64-1	Acetone (2-Propanone)	10.3	8.6	83	8.7	84	1	70-130/30
106-99-0	1,3-Butadiene	10.8	11.0	102	11.1	103	1	70-130/30
71-43-2	Benzene	11	11.2	102	11.4	104	2	70-130/30
75-27-4	Bromodichloromethane	10.5	11.6	110	11.8	112	2	70-130/30
75-25-2	Bromoform	10.7	11.1	104	11.4	107	3	70-130/30
74-83-9	Bromomethane	10.5	10.7	102	10.8	103	1	70-130/30
593-60-2	Bromoethene	10.6	10.6	100	10.8	102	2	70-130/30
100-44-7	Benzyl Chloride	10.4	10.2	98	10.4	100	2	70-130/30
75-15-0	Carbon disulfide	10.6	11.6	109	11.7	110	1	70-130/30
108-90-7	Chlorobenzene	10.8	11.4	106	11.6	107	2	70-130/30
75-00-3	Chloroethane	10.4	11.2	108	11.5	111	3	70-130/30
67-66-3	Chloroform	10.8	11.5	106	11.7	108	2	70-130/30
74-87-3	Chloromethane	10.4	10.8	104	10.8	104	0	70-130/30
107-05-1	3-Chloropropene	10.5	10.6	101	10.9	104	3	70-130/30
95-49-8	2-Chlorotoluene	10.3	11.0	107	11.2	109	2	70-130/30
56-23-5	Carbon tetrachloride	10.8	11.6	107	11.8	109	2	70-130/30
110-82-7	Cyclohexane	10.9	11.4	105	11.7	107	3	70-130/30
75-34-3	1,1-Dichloroethane	10.7	11.5	107	11.8	110	3	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	10.3	96	10.4	97	1	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	12.1	110	12.3	112	2	70-130/30
107-06-2	1,2-Dichloroethane	10.9	12.3	113	12.5	115	2	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.4	109	11.6	110	2	70-130/30
123-91-1	1,4-Dioxane	10.5	10.5	100	10.8	103	3	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	11.1	105	11.3	107	2	70-130/30
124-48-1	Dibromochloromethane	10.5	11.3	108	11.5	110	2	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	10.2	97	10.3	98	1	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.0	103	11.2	105	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	11.5	107	11.8	110	3	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.3	109	11.6	112	3	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.4	107	11.6	108	2	70-130/30
106-46-7	p-Dichlorobenzene	10.9	11.8	108	12.1	111	3	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	10.8	106	11.0	108	2	70-130/30
64-17-5	Ethanol	10.2	10.8	106	10.9	107	1	70-130/30
100-41-4	Ethylbenzene	11	11.2	102	11.3	103	1	70-130/30
141-78-6	Ethyl Acetate	10.8	11.3	105	11.7	108	3	70-130/30
622-96-8	4-Ethyltoluene	10.9	12.0	110	12.1	111	1	70-130/30

<sup>\* =</sup> Outside of Control Limits.

Method: TO-15

#### Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W411-BS	7W11432.D	1	01/03/25	BK	n/a	n/a	V7W411
V7W411-BSD	7W11433.D	1	01/03/25	BK	n/a	n/a	V7W411

The QC reported here applies to the following samples:

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	10.8	102	10.9	103	1	70-130/30
76-14-2	Freon 114	11	11.7	106	11.9	108	2	70-130/30
142-82-5	Heptane	11	12.7	115	12.9	117	2	70-130/30
87-68-3	Hexachlorobutadiene	10.8	12.5	116	12.6	117	1	70-130/30
110-54-3	Hexane	10.8	11.0	102	11.2	104	2	70-130/30
591-78-6	2-Hexanone	10.6	9.9	93	10.1	95	2	70-130/30
67-63-0	Isopropyl Alcohol	10.6	10.9	103	11.0	104	1	70-130/30
75-09-2	Methylene chloride	10.5	10.0	95	10.2	97	2	70-130/30
78-93-3	Methyl ethyl ketone	10.8	11.2	104	11.5	106	3	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	11.2	104	11.4	106	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	11.0	102	11.3	105	3	70-130/30
80-62-6	Methylmethacrylate	10.9	10.9	100	11.1	102	2	70-130/30
91-20-3	Naphthalene	10.9	11.9	109	12.2	112	2	70-130/30
115-07-1	Propylene	10.9	11.0	101	11.2	103	2	70-130/30
100-42-5	Styrene	11	12.1	110	12.4	113	2	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.3	105	11.4	106	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	11.8	108	12.0	110	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.5	107	11.7	109	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	12.5	115	12.7	117	2	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.0	109	12.2	111	2	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	11.8	108	12.1	111	3	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	12.1	112	12.3	114	2	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	10.3	104	10.5	106	2	70-130/30
127-18-4	Tetrachloroethylene	10.9	12.1	111	12.2	112	1	70-130/30
109-99-9	Tetrahydrofuran	10.5	11.7	111	11.8	112	1	70-130/30
108-88-3	Toluene	10.6	11.0	104	11.2	106	2	70-130/30
79-01-6	Trichloroethylene	10.5	11.2	107	11.6	110	4	70-130/30
75-69-4	Trichlorofluoromethane	10.6	11.3	107	11.3	107	0	70-130/30
75-01-4	Vinyl chloride	10.3	11.8	115	11.7	114	1	70-130/30
108-05-4	Vinyl Acetate	10.4	10.1	97	10.2	98	1	70-130/30
	m, p-Xylene	21.4	22.5	105	22.8	107	1	70-130/30
95-47-6	o-Xylene	10.9	11.4	105	11.6	106	2	70-130/30
1330-20-7	Xylenes (total)	32.3	33.8	105	34.4	107	2	70-130/30

<sup>\* =</sup> Outside of Control Limits.

## 6.2.3

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Method: TO-15

#### Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Sample	File ID	DF	Analyzed	Ву	Prep Date	Prep Batch	Analytical Batch
V7W411-BS	7W11432.D	1	01/03/25	BK	n/a	n/a	V7W411
V7W411-BSD	7W11433.D	1	01/03/25	BK	n/a	n/a	V7W411

The QC reported here applies to the following samples:

CAS No.	<b>Surrogate Recoveries</b>	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	102%	103%	65-128%

<sup>\* =</sup> Outside of Control Limits.

Method: TO-15

**Duplicate Summary Job Number:** JE5018

SESINJPB SESI Consulting Engineers Account:

Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

Sample	File ID	DF	Analyzed	Ву	Prep Date	Prep Batch	Analytical Batch
JE4785-5DUP	5W56592.D	1	02/03/25	WC	n/a	n/a	V5W2168
JE4785-5	5W56591.D	1	02/03/25	WC	n/a	n/a	V5W2168

The QC reported here applies to the following samples:

		JE4785	5-5	DUP			
CAS No.	Compound	ppbv	Q	ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	15.2		14.9		2	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	0.20		0.20		0	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	0.18	J	0.20		11	25
74-87-3	Chloromethane	0.51		0.54		6	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
110-82-7	Cyclohexane	0.17	J	0.17	J	0	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	0.54		0.54		0	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
64-17-5	Ethanol	206	E	205	E	0	25
100-41-4	Ethylbenzene	0.28		0.30		7	25
141-78-6	Ethyl Acetate	9.8		9.8		0	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25

<sup>\* =</sup> Outside of Control Limits.

Method: TO-15

# **Duplicate Summary Job Number:** JE5018

SESINJPB SESI Consulting Engineers Account:

Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	<b>Analytical Batch</b>
JE4785-5DUP	5W56592.D	1	02/03/25	WC	n/a	n/a	V5W2168
JE4785-5	5W56591.D	1	02/03/25	WC	n/a	n/a	V5W2168

The QC reported here applies to the following samples:

CAS No.	Compound	JE4785 ppbv	-5 Q	DUP ppbv	Q	RPD	Limits
	•						
76-13-1	Freon 113	ND		ND		nc	25
76-14-2	Freon 114	ND		ND		nc	25
142-82-5	Heptane	11.3		11.4		1	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	0.44		0.41		7	25
591-78-6	2-Hexanone	ND		ND		nc	25
67-63-0	Isopropyl Alcohol	8.7		8.1		7	25
75-09-2	Methylene chloride	0.50		0.50		0	25
78-93-3	Methyl ethyl ketone	0.96		0.97		1	25
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
80-62-6	Methylmethacrylate	ND		ND		nc	25
91-20-3	Naphthalene	ND		ND		nc	25
115-07-1	Propylene	ND		ND		nc	25
100-42-5	Styrene	0.13	J	0.13	J	0	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	ND		ND		nc	25
75-65-0	Tertiary Butyl Alcohol	2.9		2.8		4	25
127-18-4	Tetrachloroethylene	ND		ND		nc	25
109-99-9	Tetrahydrofuran	ND		ND		nc	25
108-88-3	Toluene	0.79		0.80		1	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-69-4	Trichlorofluoromethane	0.27		0.28		4	25
75-01-4	Vinyl chloride	ND		ND		nc	25
108-05-4	Vinyl Acetate	0.67		0.64		5	25
	m,p-Xylene	0.86		0.85		1	25
95-47-6	o-Xylene	0.38		0.42		10	25
1330-20-7	Xylenes (total)	1.2		1.3		3	25

<sup>\* =</sup> Outside of Control Limits.

6.3

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**Duplicate Summary Job Number:** JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

<b>Sample</b> JE4785-5DUP JE4785-5	<b>File ID</b> 5W56592.D 5W56591.D	<b>DF</b> 1 1	<b>Analyzed</b> 02/03/25 02/03/25	By WC WC	Prep Date n/a n/a	Prep Batch n/a n/a	Analytical Batch V5W2168 V5W2168

The QC reported here applies to the following samples:

Method: TO-15

CAS No.	Surrogate Recoveries	DUP	<b>JE4785-5</b>	Limits
460-00-4	4-Bromofluorobenzene	118%	115%	65-128%

<sup>\* =</sup> Outside of Control Limits.

Method: TO-15

# **Duplicate Summary Job Number:** JE5018

**Account:** SESINJPB SESI Consulting Engineers

Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

Sample	File ID	DF	Analyzed	Ву	Prep Date	Prep Batch	Analytical Batch
JE5018-1DUP	7W12387.D	1	02/04/25	WC	n/a	n/a	V7W440
JE5018-1	7W12386.D	1	02/04/25	WC	n/a	n/a	V7W440
JE5018-1	7W12408.D	1	02/05/25	WC	n/a	n/a	V7W440

The QC reported here applies to the following samples:

		JE5018-1		DUP			
CAS No.	Compound	ppbv Q	)	ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	120 a		101	Е	17	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	1.3		1.3		0	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	1.7		1.7		0	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	ND		ND		nc	25
74-87-3	Chloromethane	ND		ND		nc	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
110-82-7	Cyclohexane	0.24		0.25		4	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	0.38		0.34		11	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
64-17-5	Ethanol	7.3		7.4		1	25
100-41-4	Ethylbenzene	3.1		3.2		3	25
141-78-6	Ethyl Acetate	2.0		2.1		5	25
622-96-8	4-Ethyltoluene	1.2		1.2		0	25

<sup>\* =</sup> Outside of Control Limits.

Method: TO-15

# **Duplicate Summary Job Number:** JE5018

SESINJPB SESI Consulting Engineers Account:

Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

Sample	File ID	DF	Analyzed	Ву	Prep Date	Prep Batch	Analytical Batch
JE5018-1DUP	7W12387.D	1	02/04/25	WC	n/a	n/a	V7W440
JE5018-1	7W12386.D	1	02/04/25	WC	n/a	n/a	V7W440
JE5018-1	7W12408.D	1	02/05/25	WC	n/a	n/a	V7W440

The QC reported here applies to the following samples:

		JE5018	JE5018-1				
CAS No.	Compound	ppbv	Q	ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	25
76-14-2	Freon 114	ND		ND		nc	25
142-82-5	Heptane	0.85		0.88		3	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	0.99		1.0		1	25
591-78-6	2-Hexanone	0.61		0.76		22	25
67-63-0	Isopropyl Alcohol	0.95		1.3		31* b	25
75-09-2	Methylene chloride	1.1		1.1		0	25
78-93-3	Methyl ethyl ketone	5.6		6.6		16	25
108-10-1	Methyl Isobutyl Ketone	0.82		0.96		16	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
80-62-6	Methylmethacrylate	ND		ND		nc	25
91-20-3	Naphthalene	0.13	J	0.14	J	7	25
115-07-1	Propylene	2.1		2.0		5	25
100-42-5	Styrene	ND		0.095	J	200* c	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	3.0		3.1		3	25
108-67-8	1,3,5-Trimethylbenzene	0.88		0.92		4	25
540-84-1	2,2,4-Trimethylpentane	0.17	J	0.19	J	11	25
75-65-0	Tertiary Butyl Alcohol	0.94		0.99		5	25
127-18-4	Tetrachloroethylene	13.1		13.5		3	25
109-99-9	Tetrahydrofuran	0.19	J	0.20		5	25
108-88-3	Toluene	11.2		11.6		4	25
79-01-6	Trichloroethylene	0.30		0.29		3	25
75-69-4	Trichlorofluoromethane	0.49		0.50		2	25
75-01-4	Vinyl chloride	ND		ND		nc	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	12.7		13.0		2	25
95-47-6	o-Xylene	4.5		4.6		2	25
1330-20-7	Xylenes (total)	17.2		17.6		2	25

<sup>\* =</sup> Outside of Control Limits.

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Method: TO-15

**Duplicate Summary** Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Project: Ossining Investigation, 34 State Street, Ossining, NY

Sample	File ID	DF	Analyzed	Ву	Prep Date	Prep Batch	Analytical Batch
JE5018-1DUP	7W12387.D	1	02/04/25	WC	n/a	n/a	V7W440
JE5018-1	7W12386.D	1	02/04/25	WC	n/a	n/a	V7W440
JE5018-1	7W12408.D	1	02/05/25	WC	n/a	n/a	V7W440

The QC reported here applies to the following samples:

CAS No.	<b>Surrogate Recoveries</b>	DUP	JE5018-1	JE5018-1	Limits
460-00-4	4-Bromofluorobenzene	106%	105%	105%	65-128%

- (a) Result is from Run #2.
- (b) Outside in house control limits.
- (c) RPD acceptable due to low DUP and sample concentrations.

<sup>\* =</sup> Outside of Control Limits.

#### **Summa Cleaning Certification**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Sample V7W411-SCC	<b>File ID</b> 7W11438.D	<b>DF</b> 1	<b>Analyzed</b> 01/04/25	By BK	<b>Prep Date</b> n/a	<b>Prep Batch</b> n/a	Analytical Batch V7W411

The QC reported here (Summa A1721) applies to the following samples: Method: TO-15

Batch CP12960 cleaned 12/31/24: JE5018-1(A1582), JE5018-2(A1112), JE5018-3(A1309), JE5018-4(A1308)

CAS No.	Compound	Result	RL	MDL	Units Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv	ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv	ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv	ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv	ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv	ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv	ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv	ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv	ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv	ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv	ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv	ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv	ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv	ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv	ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv	ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv	ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv	ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv	ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv	ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv	ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv	ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv	ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.048	ppbv	ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv	ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv	ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv	ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv	ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv	ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv	ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv	ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv	ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv	ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv	ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv	ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv	ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv	ND	0.98	ug/m3

#### **Summa Cleaning Certification**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Sample V7W411-SCC	<b>File ID</b> 7W11438.D	<b>DF</b> 1	<b>Analyzed</b> 01/04/25	By BK	<b>Prep Date</b> n/a	<b>Prep Batch</b> n/a	Analytical Batch V7W411

The QC reported here (Summa A1721) applies to the following samples: Method: TO-15

Batch CP12960 cleaned 12/31/24: JE5018-1(A1582), JE5018-2(A1112), JE5018-3(A1309), JE5018-4(A1308)

CAS No.	Compound	Result	RL	MDL	Units Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv	ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv	ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.091	ppbv	ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv	ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv	ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv	ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv	ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv	ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv	ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv	ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv	ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv	ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	0.13	ppbv	ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv	ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv	ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv	ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv	ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv	ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv	ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv	ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv	ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv	ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv	ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv	ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv	ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv	ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv	ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv	ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv	ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv	ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv	ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv	ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv	ND	0.87	ug/m3

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#### **Summa Cleaning Certification**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Sample V7W411-SCC	<b>File ID</b> 7W11438.D	<b>DF</b> 1	<b>Analyzed</b> 01/04/25	By BK	<b>Prep Date</b> n/a	Prep Batch n/a	Analytical Batch V7W411

The QC reported here (Summa A1721) applies to the following samples: Method: TO-15

Batch CP12960 cleaned 12/31/24: JE5018-1(A1582), JE5018-2(A1112), JE5018-3(A1309), JE5018-4(A1308)

CAS No.	Surrogate Recoveries	Limits	
460-00-4	4-Bromofluorobenzene	98%	65-128%

#### **Instrument Performance Check (BFB)**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Project: Ossining Investigation, 34 State Street, Ossining, NY

Sample: V5W2144-BFB **Injection Date:** 01/08/25 Lab File ID: **Injection Time:** 23:56 5W55993.D

**Instrument ID:** GCMS5W

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	8.0 - 40.0% of mass 95	98517	19.3	Pass
75	30.0 - 66.0% of mass 95	249792	48.9	Pass
95	Base peak, 100% relative abundance	510763	100.0	Pass
96	5.0 - 9.0% of mass 95	33464	6.55	Pass
173	Less than 2.0% of mass 174	5620	1.10 (1.14)	1 Pass
174	50.0 - 120.0% of mass 95	494933	96.9	Pass
175	4.0 - 9.01% of mass 174	36869	7.22 (7.45)	1 Pass
176	93.0 - 101.0% of mass 174	482155	94.4 (97.4)	1 Pass
177	5.0 - 9.0% of mass 176	31496	6.17 (6.53) <sup>1</sup>	Pass

<sup>(</sup>a) Value is % of mass 174

#### This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2144-IC2144	5W55994.D	01/09/25	00:36	00:40	Initial cal 0.04
V5W2144-IC2144	5W55995.D	01/09/25	01:16	01:20	Initial cal 0.1
V5W2144-IC2144	5W55996.D	01/09/25	01:59	02:03	Initial cal 0.2
V5W2144-IC2144	5W56001.D	01/09/25	05:39	05:43	Initial cal 5
V5W2144-ICC2144	5W56002.D	01/09/25	06:20	06:24	Initial cal 10
V5W2144-IC2144	5W56003.D	01/09/25	07:03	07:07	Initial cal 20
V5W2144-IC2144	5W56004.D	01/09/25	07:49	07:53	Initial cal 40
V5W2144-IC2144	5W56005.D	01/09/25	08:36	08:40	Initial cal 50
V5W2144-IC2144	5W56013.D	01/09/25	15:02	15:06	Initial cal 0.5
V5W2144-ICV2144	5W56014.D	01/09/25	15:42	15:46	Initial cal verification 10

<sup>(</sup>b) Value is % of mass 176

#### **Instrument Performance Check (BFB)**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Project: Ossining Investigation, 34 State Street, Ossining, NY

Sample: V5W2168-BFB **Injection Date:** 02/03/25 Lab File ID: **Injection Time:** 09:46 5W56584.D

**Instrument ID:** GCMS5W

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail	
50	8.0 - 40.0% of mass 95	107115				
75	30.0 - 66.0% of mass 95	279424	49.3		Pass	
95	Base peak, 100% relative abundance	566592	100.0		Pass	
96	5.0 - 9.0% of mass 95	38256	6.75		Pass	
173	Less than 2.0% of mass 174	6594	1.16	(1.59) a	Pass	
174	50.0 - 120.0% of mass 95	415936	73.4		Pass	
175	4.0 - 9.01% of mass 174	33376	5.89	(8.02) a	Pass	
176	93.0 - 101.0% of mass 174	403093	71.1	(96.9) a	Pass	
177	5.0 - 9.0% of mass 176	26221	4.63	(6.50) b	Pass	

<sup>(</sup>a) Value is % of mass 174

#### This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab	Lab File ID	Date	Time	Hours	Client Sample ID
Sample ID	riie ID	Analyzed	Analyzed	Lapsed	Sample ID
V5W2168-CC2144	5W56585.D	02/03/25	10:27	00:41	Continuing cal 10
V5W2168-BS	5W56586.D	02/03/25	11:12	01:26	Blank Spike
V5W2168-BSD	5W56587.D	02/03/25	11:53	02:07	Blank Spike Duplicate
V5W2168-MB	5W56590.D	02/03/25	14:32	04:46	Method Blank
JE4785-5	5W56591.D	02/03/25	15:19	05:33	(used for QC only; not part of job JE5018)
JE4785-5DUP	5W56592.D	02/03/25	16:06	06:20	Duplicate
ZZZZZZ	5W56593.D	02/03/25	16:53	07:07	(unrelated sample)
ZZZZZZ	5W56594.D	02/03/25	17:40	07:54	(unrelated sample)
ZZZZZZ	5W56595.D	02/03/25	18:27	08:41	(unrelated sample)
ZZZZZZ	5W56596.D	02/03/25	19:13	09:27	(unrelated sample)
ZZZZZZ	5W56597.D	02/03/25	20:00	10:14	(unrelated sample)
ZZZZZZ	5W56598.D	02/03/25	20:42	10:56	(unrelated sample)
ZZZZZZ	5W56599.D	02/03/25	21:23	11:37	(unrelated sample)
ZZZZZZ	5W56600.D	02/03/25	22:05	12:19	(unrelated sample)
ZZZZZZ	5W56601.D	02/03/25	22:46	13:00	(unrelated sample)
ZZZZZZ	5W56602.D	02/03/25	23:28	13:42	(unrelated sample)
ZZZZZZ	5W56603.D	02/04/25	00:09	14:23	(unrelated sample)
JE5018-4	5W56604.D	02/04/25	00:57	15:11	IA-1
ZZZZZZ	5W56605.D	02/04/25	01:44	15:58	(unrelated sample)
ZZZZZZ	5W56606.D	02/04/25	02:31	16:45	(unrelated sample)
ZZZZZZ	5W56607.D	02/04/25	03:12	17:26	(unrelated sample)
ZZZZZZ	5W56608.D	02/04/25	03:53	18:07	(unrelated sample)
ZZZZZZ	5W56609.D	02/04/25	04:35	18:49	(unrelated sample)
ZZZZZZ	5W56610.D	02/04/25	05:16	19:30	(unrelated sample)
					-

<sup>(</sup>b) Value is % of mass 176

#### **Instrument Performance Check (BFB)**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 Sample:
 V5W2168-BFB
 Injection Date:
 02/03/25

 Lab File ID:
 5W56584.D
 Injection Time:
 09:46

**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	5W56611.D	02/04/25	05:57	20:11	(unrelated sample)
ZZZZZZ	5W56612.D	02/04/25	06:41	20:55	(unrelated sample)
ZZZZZZ	5W56613.D	02/04/25	07:24	21:38	(unrelated sample)
V5W2168-SCC	5W56615.D	02/04/25	08:51	23:05	Summa Cleaning Certification

Page 1 of 1

#### **Instrument Performance Check (BFB)**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Project: Ossining Investigation, 34 State Street, Ossining, NY

Sample: V7W405-BFB **Injection Date:** 12/28/24 Lab File ID: **Injection Time:** 08:40 7W11232.D

**Instrument ID:** GCMS7W

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	32515	22.0		Pass
75	30.0 - 66.0% of mass 95	74333	50.3		Pass
95	Base peak, 100% relative abundance	147925	100.0		Pass
96	5.0 - 9.0% of mass 95	9647	6.52		Pass
173	Less than 2.0% of mass 174	1064	0.72	$(0.95)^{a}$	Pass
174	50.0 - 120.0% of mass 95	111515	75.4		Pass
175	4.0 - 9.01% of mass 174	7970	5.39	(7.15) a	Pass
176	93.0 - 101.0% of mass 174	106229	71.8	(95.3) a	Pass
177	5.0 - 9.0% of mass 176	7045	4.76	(6.63) <sup>b</sup>	Pass

<sup>(</sup>a) Value is % of mass 174

#### This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W405-IC405	7W11233.D	12/28/24	09:16	00:36	Initial cal 0.04
V7W405-IC405	7W11234.D	12/28/24	09:53	01:13	Initial cal 0.10
V7W405-IC405	7W11235.D	12/28/24	10:32	01:52	Initial cal 0.20
V7W405-IC405	7W11237.D	12/28/24	11:51	03:11	Initial cal 0.50
V7W405-IC405	7W11238.D	12/28/24	12:34	03:54	Initial cal 5
V7W405-ICC405	7W11240.D	12/28/24	13:47	05:07	Initial cal 10
V7W405-IC405	7W11241.D	12/28/24	14:25	05:45	Initial cal 20
V7W405-IC405	7W11242.D	12/28/24	15:08	06:28	Initial cal 40
V7W405-IC405	7W11243.D	12/28/24	15:52	07:12	Initial cal 50
V7W405-ICV405	7W11247.D	12/28/24	18:36	09:56	Initial cal verification 10

<sup>(</sup>b) Value is % of mass 176

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#### **Instrument Performance Check (BFB)**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Project: Ossining Investigation, 34 State Street, Ossining, NY

Sample: **Injection Date:** 01/03/25 V7W411-BFB Lab File ID: **Injection Time:** 19:07 7W11430.D

**Instrument ID:** GCMS7W

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	8.0 - 40.0% of mass 95	36549	23.6	Pass
75	30.0 - 66.0% of mass 95	81000	52.2	Pass
95	Base peak, 100% relative abundance	155179	100.0	Pass
96	5.0 - 9.0% of mass 95	9967	6.42	Pass
173	Less than 2.0% of mass 174	1050	0.68 (0.89	9) <sup>a</sup> Pass
174	50.0 - 120.0% of mass 95	118272	76.2	Pass
175	4.0 - 9.01% of mass 174	8233	5.31 (6.96	5) <sup>a</sup> Pass
176	93.0 - 101.0% of mass 174	113904	73.4 (96.3	3) <sup>a</sup> Pass
177	5.0 - 9.0% of mass 176	7312	4.71 (6.42)	2) b Pass

<sup>(</sup>a) Value is % of mass 174

#### This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab	Lab	Date Time Hours			Client
Sample ID	File ID	Analyzed	Analyzed	Lapsed	Sample ID
V7W411-CC405	7W11431.D	01/03/25	19:45	00:38	Continuing cal 10
V7W411-BS	7W11432.D	01/03/25	20:22	01:15	Blank Spike
V7W411-BSD	7W11433.D	01/03/25	20:59	01:52	Blank Spike Duplicate
V7W411-MB	7W11435.D	01/03/25	22:27	03:20	Method Blank
ZZZZZZ	7W11436.D	01/03/25	23:05	03:58	(unrelated sample)
V7W411-SCC	7W11438.D	01/04/25	00:32	05:25	Summa Cleaning Certification
JE3199-1	7W11441.D	01/04/25	02:44	07:37	(used for QC only; not part of job JE5018)
JE3199-1DUP	7W11442.D	01/04/25	03:32	08:25	Duplicate
ZZZZZZ	7W11443.D	01/04/25	04:19	09:12	(unrelated sample)
ZZZZZZ	7W11444.D	01/04/25	05:16	10:09	(unrelated sample)
ZZZZZZ	7W11445.D	01/04/25	06:02	10:55	(unrelated sample)
ZZZZZZ	7W11446.D	01/04/25	06:50	11:43	(unrelated sample)
ZZZZZZ	7W11447.D	01/04/25	07:38	12:31	(unrelated sample)
ZZZZZZ	7W11448.D	01/04/25	08:25	13:18	(unrelated sample)
ZZZZZZ	7W11449.D	01/04/25	09:14	14:07	(unrelated sample)
ZZZZZZ	7W11450.D	01/04/25	10:00	14:53	(unrelated sample)
ZZZZZZ	7W11451.D	01/04/25	10:47	15:40	(unrelated sample)
ZZZZZZ	7W11452.D	01/04/25	11:44	16:37	(unrelated sample)
ZZZZZZ	7W11453.D	01/04/25	12:33	17:26	(unrelated sample)
ZZZZZZ	7W11454.D	01/04/25	13:22	18:15	(unrelated sample)
ZZZZZZ	7W11455.D	01/04/25	14:10	19:03	(unrelated sample)
ZZZZZZ	7W11456.D	01/04/25	14:59	19:52	(unrelated sample)
ZZZZZZ	7W11457.D	01/04/25	15:47	20:40	(unrelated sample)
ZZZZZZ	7W11458.D	01/04/25	16:33	21:26	(unrelated sample)

<sup>(</sup>b) Value is % of mass 176

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#### **Instrument Performance Check (BFB)**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 Sample:
 V7W411-BFB
 Injection Date:
 01/03/25

 Lab File ID:
 7W11430.D
 Injection Time:
 19:07

**Instrument ID:** GCMS7W

Lab	Lab	Date	Time	Hours	Client
Sample ID	File ID	Analyzed	Analyzed	Lapsed	Sample ID
ZZZZZZ	7W11459.D	01/04/25	17:17	22:10	(unrelated sample)
ZZZZZZ	7W11460.D	01/04/25	18:02	22:55	(unrelated sample)

Page 1 of 2

#### **Instrument Performance Check (BFB)**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Project: Ossining Investigation, 34 State Street, Ossining, NY

Sample: V7W440-BFB **Injection Date:** 02/04/25 Lab File ID: **Injection Time:** 08:46 7W12377.D

**Instrument ID:** GCMS7W

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	8.0 - 40.0% of mass 95	30189	20.1	Pass
75	30.0 - 66.0% of mass 95	77389	51.6	Pass
95	Base peak, 100% relative abundance	149867	100.0	Pass
96	5.0 - 9.0% of mass 95	9922	6.62	Pass
173	Less than 2.0% of mass 174	926	0.62 (0.	78) <sup>a</sup> Pass
174	50.0 - 120.0% of mass 95	118637	79.2	Pass
175	4.0 - 9.01% of mass 174	8643	5.77 (7.	29) <sup>a</sup> Pass
176	93.0 - 101.0% of mass 174	115173	76.9 (97	7.1) a Pass
177	5.0 - 9.0% of mass 176	7808	5.21 (6.	78) b Pass

<sup>(</sup>a) Value is % of mass 174

#### This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W440-CC405	7W12379.D	02/04/25	10:09	01:23	Continuing cal 10
V7W440-BS	7W12380.D	02/04/25	10:47	02:01	Blank Spike
V7W440-BSD	7W12382.D	02/04/25	12:07	03:21	Blank Spike Duplicate
V7W440-MB	7W12384.D	02/04/25	13:42	04:56	Method Blank
ZZZZZZ	7W12385.D	02/04/25	14:27	05:41	(unrelated sample)
JE5018-1	7W12386.D	02/04/25	15:12	06:26	SV-1
JE5018-1DUP	7W12387.D	02/04/25	15:57	07:11	Duplicate
JE5018-2	7W12388.D	02/04/25	16:42	07:56	SV-2
JE5018-3	7W12389.D	02/04/25	17:27	08:41	SSSV-1
ZZZZZZ	7W12392.D	02/04/25	19:21	10:35	(unrelated sample)
ZZZZZZ	7W12393.D	02/04/25	19:59	11:13	(unrelated sample)
ZZZZZZ	7W12394.D	02/04/25	20:39	11:53	(unrelated sample)
ZZZZZZ	7W12397.D	02/04/25	22:43	13:57	(unrelated sample)
ZZZZZZ	7W12399.D	02/05/25	00:05	15:19	(unrelated sample)
ZZZZZZ	7W12400.D	02/05/25	00:50	16:04	(unrelated sample)
ZZZZZZ	7W12401.D	02/05/25	01:31	16:45	(unrelated sample)
ZZZZZZ	7W12402.D	02/05/25	02:10	17:24	(unrelated sample)
ZZZZZZ	7W12403.D	02/05/25	02:48	18:02	(unrelated sample)
ZZZZZZ	7W12404.D	02/05/25	03:26	18:40	(unrelated sample)
ZZZZZZ	7W12405.D	02/05/25	04:04	19:18	(unrelated sample)
ZZZZZZ	7W12406.D	02/05/25	04:42	19:56	(unrelated sample)
ZZZZZZ	7W12407.D	02/05/25	05:20	20:34	(unrelated sample)
JE5018-1	7W12408.D	02/05/25	06:01	21:15	SV-1
JE5018-2	7W12409.D	02/05/25	06:40	21:54	SV-2

<sup>(</sup>b) Value is % of mass 176

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#### **Instrument Performance Check (BFB)**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 Sample:
 V7W440-BFB
 Injection Date:
 02/04/25

 Lab File ID:
 7W12377.D
 Injection Time:
 08:46

**Instrument ID:** GCMS7W

Lab	Lab	Date	Time	Hours	Client
Sample ID	File ID	Analyzed	Analyzed	Lapsed	Sample ID
ZZZZZZ	7W12411.D	02/05/25	08:02	23:16	(unrelated sample)
ZZZZZZ	7W12412.D	02/05/25	08:43	23:57	(unrelated sample)

#### **Internal Standard Area Summary**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 Check Std:
 V5W2168-CC2144
 Injection Date:
 02/03/25

 Lab File ID:
 5W56585.D
 Injection Time:
 10:27

 Instrument ID:
 GCMS5W
 Method:
 TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	416335	7.65	1897963	9.82	1000547	15.33
Upper Limit <sup>a</sup>	582869	7.98	2657148	10.15	1400766	15.66
Lower Limit b	249801	7.32	1138778	9.49	600328	15.00
Lab	IS 1		IS 2		IS 3	
Sample ID	AREA	RT	AREA	RT	AREA	RT
V5W2168-BS	438558	7.64	1949555	9.82	1004072	15.33
V5W2168-BSD	462957	7.64	2042550	9.82	1064778	15.33
V5W2168-MB	417935	7.64	1907615	9.81	861807	15.33
JE4785-5	348932	7.64	1641712	9.82	769564	15.33
JE4785-5DUP	346496	7.64	1617833	9.81	743883	15.33
ZZZZZZ	317505	7.64	1519160	9.82	693152	15.33
ZZZZZZ	352543	7.65	1599355	9.81	750700	15.33
ZZZZZZ	308069	7.65	1446027	9.82	677323	15.33
ZZZZZZ	348675	7.64	1589909	9.81	625939	15.33
ZZZZZZ	334401	7.64	1553180	9.82	752451	15.33
ZZZZZZ	339313	7.64	1600531	9.82	735967	15.33
ZZZZZZ	296154	7.65	1418921	9.82	686722	15.33
ZZZZZZ	291102	7.66	1384015	9.82	666175	15.33
ZZZZZZ	306974	7.64	1458158	9.81	699381	15.33
ZZZZZZ	293511	7.64	1372867	9.82	658905	15.33
ZZZZZZ	296860	7.64	1410957	9.82	676190	15.33
JE5018-4	320498	7.64	1483042	9.81	697297	15.33
ZZZZZZ	309404	7.64	1453653	9.82	688408	15.33
ZZZZZZ	361506	7.64	1662113	9.81	762076	15.33
ZZZZZZ	379723	7.64	1825015	9.82	948464	15.33
ZZZZZZ	365576	7.64	1904222	9.82	970530	15.33
ZZZZZZ	377801	7.64	1755873	9.82	809587	15.33
ZZZZZZ	318132	7.64	1443523	9.82	666515	15.33
ZZZZZZ	292357	7.65	1371853	9.82	685893	15.33
ZZZZZZ	313495	7.64	1451827	9.82	636989	15.33
ZZZZZZ	322581	7.64	1486212	9.82	670851	15.33
V5W2168-SCC	326658	7.64	1487931	9.81	685202	15.33

IS 1 = Bromochloromethane IS 2 = 1,4-Difluorobenzene IS 3 = Chlorobenzene-D5

SGS

<sup>(</sup>a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.

<sup>(</sup>b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

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#### **Internal Standard Area Summary**

**Job Number:** JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 Check Std:
 V7W411-CC405
 Injection Date:
 01/03/25

 Lab File ID:
 7W11431.D
 Injection Time:
 19:45

 Instrument ID:
 GCMS7W
 Method:
 TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	135763	3.23	659272	4.49	634763	10.03
Upper Limit <sup>a</sup>	190068	3.56	922981	4.82	888668	10.36
Lower Limit b	81458	2.90	395563	4.16	380858	9.70
Lab	IS 1		IS 2		IS 3	
Sample ID	AREA	RT	AREA	RT	AREA	RT
V7W411-BS	137043	3.23	670135	4.50	644137	10.04
V7W411-BSD	134221	3.23	656684	4.50	632007	10.03
V7W411-MB	141575	3.23	696296	4.49	650532	10.03
ZZZZZZ	132331	3.24	656029	4.51	625283	10.04
V7W411-SCC	139437	3.23	685860	4.49	635206	10.03
JE3199-1	136023	3.23	665131	4.49	625387	10.03
JE3199-1DUP	134482	3.23	661357	4.49	620559	10.03
ZZZZZZ	136215	3.24	676203	4.51	632048	10.04
ZZZZZZ	138219	3.24	681857	4.51	639263	10.04
ZZZZZZ	136254	3.24	672645	4.51	634437	10.04
ZZZZZZ	137491	3.24	677138	4.51	638458	10.04
ZZZZZZ	136508	3.24	674548	4.51	633712	10.04
ZZZZZZ	137929	3.24	673427	4.51	633863	10.04
ZZZZZZ	135254	3.24	662205	4.51	627036	10.04
ZZZZZZ	135369	3.24	667790	4.51	631000	10.04
ZZZZZZ	137405	3.24	675286	4.50	638773	10.04
ZZZZZZ	139303	3.24	687796	4.51	646088	10.04
ZZZZZZ	135543	3.24	669772	4.51	629453	10.04
ZZZZZZ	134678	3.24	665065	4.51	627744	10.04
ZZZZZZ	138322	3.24	680366	4.51	638879	10.04
ZZZZZZ	139461	3.24	689961	4.50	650765	10.04
ZZZZZZ	136771	3.24	673246	4.51	633208	10.03
ZZZZZZ	136387	3.24	670783	4.51	632328	10.04
ZZZZZZ	136782	3.23	678144	4.49	639900	10.03

673281 4.49 634571 10.03

IS 1 = Bromochloromethane IS 2 = 1,4-Difluorobenzene IS 3 = Chlorobenzene-D5

136686

3.23

ZZZZZZ

<sup>(</sup>a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.

<sup>(</sup>b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

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#### **Internal Standard Area Summary**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

 Check Std:
 V7W440-CC405
 Injection Date:
 02/04/25

 Lab File ID:
 7W12379.D
 Injection Time:
 10:09

 Instrument ID:
 GCMS7W
 Method:
 TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std Upper Limit <sup>a</sup> Lower Limit <sup>b</sup>	132260 185164 79356	3.23 3.56 2.90	681039 953455 408623	4.49 4.82 4.16	641935 898709 385161	10.03 10.36 9.70
Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W440-BS	133316	3.23	688411	4.50	639219	10.03
V7W440-BSD	137111	3.23	703798	4.49	654900	10.03
V7W440-MB	137644	3.23	715948	4.49	763042	10.03
ZZZZZZ	135350	3.24	690166	4.51	621779	10.04
JE5018-1	129721	3.23	672165	4.49	620307	10.03
JE5018-1DUP	134435	3.23	690174	4.50	652133	10.03
JE5018-2	131484	3.23	689857	4.50	641832	10.04
JE5018-3	130932	3.23	676418	4.49	614444	10.03
ZZZZZZ	136611	3.24	700922	4.50	776339	10.04
ZZZZZZ	137247	3.24	708402	4.50	643687	10.04
ZZZZZZ	125715	3.24	653207	4.51	605579	10.04
ZZZZZZ	127692	3.22	660712	4.49	595555	10.03
ZZZZZZ	128751	3.23	663168	4.49	598784	10.03
ZZZZZZ	129726	3.22	673224	4.49	613913	10.03
ZZZZZZ	131824	3.22	681468	4.49	616137	10.03
ZZZZZZ	133093	3.24	686759	4.50	612345	10.04
ZZZZZZ	132329	3.24	680229	4.50	611463	10.04
ZZZZZZ	160687	3.24	832379	4.51	753214	10.04
ZZZZZZ	136152	3.24	696417	4.50	626060	10.04
ZZZZZZ	128543	3.24	671184	4.51	611117	10.04
ZZZZZZ	165350	3.24	847759	4.50	610783	10.04
JE5018-1	121441	3.23	627001	4.50	595153	10.03
JE5018-2	124920	3.23	644531	4.49	603283	10.03
ZZZZZZ	159318	3.23	820365	4.49	739907	10.03
ZZZZZZ	153882	3.23	781671	4.49	705082	10.03

IS 1 = Bromochloromethane IS 2 = 1,4-Difluorobenzene IS 3 = Chlorobenzene-D5

<sup>(</sup>a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.

<sup>(</sup>b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	Ву	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /06)
Acrylonitrile	5.21	7.64	0.682 o	k 0.679	0.619-0.739
1,3-Butadiene	4.00	7.64	0.524 o	k 0.524	0.464-0.584
Benzene	9.39	9.82	0.956 o	k 0.956	0.896-1.016
Bromobenzene	17.93	15.33	1.170 o	k 1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078 o	k 1.078	1.018-1.138
Bromoform	16.31	15.33	1.064 o	k 1.062	1.002-1.122
Bromomethane	4.21	7.64	0.551 o	k 0.550	0.490-0.610
Bromoethene	4.60	7.64	0.602 o	k 0.601	0.541-0.661
n-Butane	4.04	7.64	0.529 o	k 0.529	0.469-0.589
Carbon disulfide	5.83	7.64	0.763 o	k 0.762	0.702-0.822
Chlorobenzene	15.41	15.33	1.005 o	k 1.004	0.944-1.064
Chlorodifluoromethane	3.55	7.64	0.465 o	k 0.465	0.405-0.525
Chloroethane	4.33	7.64	0.567 o	k 0.566	0.506-0.626
Chlorotrifluoroethene	3.58	7.64	0.469 o	k 0.469	0.409-0.529
Chloroform	7.79	7.64	1.020 o	k 1.019	0.959-1.079
Chloromethane	3.75	7.64		k 0.490	0.430-0.550
3-Chloropropene	5.67	7.64	0.742 o	k 0.741	0.681-0.801
Carbon tetrachloride	9.55	7.64		k 1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986 o	k 0.986	0.926-1.046
1,1-Dichloroethane	6.62	7.64	0.866 o	k 0.867	0.807-0.927
1,1-Dichloroethylene	5.45	7.64		k 0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.85	15.33		k 0.901	0.841-0.961
1,2-Dichloroethane	8.60	7.64		k 1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82		k 1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.82		k 1.324	1.264-1.384
Dichlorodifluoromethane	3.63	7.64		k 0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.64		k 0.575	0.515-0.635
Dibromochloromethane	13.51	15.33		k 0.881	0.821-0.941
Dibromomethane	10.33	9.82		k 1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.64		k 0.841	0.781-0.901
cis-1,2-Dichloroethylene	7.49	7.64		k 0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.82		k 1.194	1.134-1.254
m-Dichlorobenzene	19.84	15.33		k 1.292	1.232-1.352
o-Dichlorobenzene	20.42	15.33		k 1.331	1.271-1.391
p-Dichlorobenzene	19.95	15.33		k 1.299	1.239-1.359
2,3-Dimethylpentane	9.98	9.82		k 1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.64		k 1.131	1.071-1.191
Ethylbenzene	15.98	15.33		k 1.041	0.981-1.101
Freon 113	5.80	7.64	0.759 o	k 0.758	0.698-0.818

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# Initial Calibration Retention Time/Internal Standard Area Summary Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

<b>Target Compound</b>	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
Freon 114	3.81	7.64	0.499	ok	0.499	0.439-0.559
Freon 123	4.71	7.64	0.616	ok	0.616	0.556-0.676
Freon 123A	4.75	7.64	0.622	ok	0.622	0.562-0.682
Freon 142B	3.74	7.64	0.490	ok	0.489	0.429-0.549
Freon 152A	3.52	7.64	0.461	ok	0.461	0.401-0.521
Heptane	11.03	9.82	1.123	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.33	1.524	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.33	1.391	ok	1.390	1.330-1.450
Hexane	7.68	7.64	1.005	ok	1.005	0.945-1.065
Iodomethane	5.39	7.64	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.82	15.33	1.162	ok	1.162	1.102-1.222
Methylene chloride	5.58	7.64	0.730	ok	0.728	0.668-0.788
Methyl Tert Butyl Ether	6.77	7.64	0.886	ok	0.878	0.818-0.938
Naphthalene	22.91	15.33	1.494	ok	1.493	1.433-1.553
Nonane	17.31	15.33	1.129	ok	1.128	1.068-1.188
Octane	14.33	15.33	0.935	ok	0.934	0.874-0.994
Pentane	5.22	7.64	0.683	ok	0.681	0.621-0.741
n-Propylbenzene	18.66	15.33	1.217	ok	1.215	1.155-1.275
1,1,1-Trichloroethane	8.86	7.64	1.160	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.39	15.33	1.004	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.93	15.33	1.104	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.62	9.82	1.285	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.24	15.33	1.516	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.12	15.33	1.117		1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.25	15.33	1.321	ok	1.319	1.259-1.379
1,3,5-Trimethylbenzene	19.02	15.33	1.241		1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087		1.087	1.027-1.147
Tertiary Butyl Alcohol	5.63	7.64	0.737	ok	0.727	0.667-0.787
Tetrachloroethylene	14.47	15.33	0.944	ok	0.943	0.883-1.003
Toluene	12.97	9.82	1.321	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.64	0.644	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.64	0.512		0.511	0.451-0.571
m,p-Xylene	16.25	15.33	1.060		1.058	0.998-1.118
o-Xylene	16.91	15.33	1.103	ok	1.102	1.042-1.162

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# Initial Calibration Retention Time/Internal Standard Area Summary Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.64	ok	7.65	7.32-7.98	443022	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	1966418	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.33	ok	15.34	15.01-15.67	923193	ok	1019287	611572-1427002

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: JE5018

Account:

SESINJPB SESI Consulting Engineers Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

Sample Number	Lab File ID	Injected	Ву	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

<b>Target Compound</b>	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
Acrylonitrile	5.20	7.64	0.681	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.64	0.605	ok	0.602	0.542-0.662
1,3-Butadiene	4.00	7.64	0.524	ok	0.524	0.464-0.584
Benzene	9.39	9.82	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.33	1.168	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.30	15.33	1.063	ok	1.062	1.002-1.122
Bromomethane	4.21	7.64	0.551	ok	0.550	0.490-0.610
Bromoethene	4.59	7.64	0.601	ok	0.601	0.541-0.661
n-Butane	4.04	7.64	0.529	ok	0.529	0.469-0.589
n-Butylbenzene	20.86	15.33	1.361	ok	1.360	1.300-1.420
sec-Butylbenzene	20.02	15.33	1.306	ok	1.305	1.245-1.365
tert-Butylbenzene	19.61	15.33	1.279	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.64	0.763	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.33	1.005	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.64	0.466	ok	0.465	0.405-0.525
Chloroethane	4.33	7.64	0.567	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.58	7.64	0.469	ok	0.469	0.409-0.529
Chloroform	7.79	7.64	1.020	ok	1.019	0.959-1.079
Chloromethane	3.75	7.64	0.491	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.64	0.742	ok	0.741	0.681-0.801
2-Chlorotoluene	18.56	15.33	1.211	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.64			1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.63	7.64	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.45	7.64	0.713	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.83	15.33	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.64	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.82	1.055	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.82	1.326	ok	1.324	1.264-1.384
1,4-Dioxane	10.78	9.82	1.098	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.63	7.64	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.64	0.576	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.33	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.32	9.82	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.44	7.64	0.843	ok	0.841	0.781-0.901
cis-1,2-Dichloroethylene	7.48	7.64	0.979	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.82	1.196	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.83	15.33	1.294	ok	1.292	1.232-1.352

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# Initial Calibration Retention Time/Internal Standard Area Summary Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

<b>Target Compound</b>	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /06)
o-Dichlorobenzene	20.41	15.33	1.331	ok 1.331	1.271-1.391
p-Dichlorobenzene	19.94	15.33	1.301	ok 1.299	1.239-1.359
trans-1,3-Dichloropropene	12.43	9.82	1.266	ok 1.263	1.203-1.323
Di-Isopropyl ether	7.74	7.64	1.013	ok 1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.82	1.017	ok 1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.64	1.132	ok 1.131	1.071-1.191
Ethylbenzene	15.96	15.33	1.041	ok 1.041	0.981-1.101
4-Ethyltoluene	18.89	15.33	1.232	ok 1.231	1.171-1.291
Freon 113	5.79	7.64	0.758	ok 0.758	0.698-0.818
Freon 114	3.82	7.64	0.500	ok 0.499	0.439-0.559
Freon 123	4.71	7.64	0.616	ok 0.616	0.556-0.676
Freon 123A	4.75	7.64	0.622	ok 0.622	0.562-0.682
Freon 142B	3.74	7.64	0.490	ok 0.489	0.429-0.549
Freon 152A	3.53	7.64	0.462	ok 0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok 1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.33	1.524	ok 1.524	1.464-1.584
Hexachloroethane	21.32	15.33	1.391	ok 1.390	1.330-1.450
Hexane	7.69	7.64	1.007	ok 1.005	0.945-1.065
Iodomethane	5.39	7.64	0.705	ok 0.705	0.645-0.765
Isopropylbenzene	17.82	15.33	1.162	ok 1.162	1.102-1.222
p-Isopropyltoluene	20.27	15.33	1.322	ok 1.321	1.261-1.381
Methylene chloride	5.56	7.64	0.728	ok 0.728	0.668-0.788
Methyl ethyl ketone	7.16	7.64		ok 0.924	0.864-0.984
Methyl Tert Butyl Ether	6.75	7.64		ok 0.878	0.818-0.938
Methylmethacrylate	11.01	9.82	1.121	ok 1.115	1.055-1.175
Naphthalene	22.90	15.33	1.494	ok 1.493	1.433-1.553
Nonane	17.30	15.33	1.129	ok 1.128	1.068-1.188
Octane	14.33	15.33		ok 0.934	0.874-0.994
Pentane	5.21	7.64	0.682	ok 0.681	0.621-0.741
n-Propylbenzene	18.66	15.33	1.217	ok 1.215	1.155-1.275
Propylene	3.58	7.64	0.469	ok 0.468	0.408-0.528
Styrene	16.78	15.33		ok 1.093	1.033-1.153
1,1,1-Trichloroethane	8.86	7.64	1.160	ok 1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.38	15.33		ok 1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.33	1.103	ok 1.103	1.043-1.163
1,1,2-Trichloroethane	12.62	9.82		ok 1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.23	15.33		ok 1.515	1.455-1.575
1,2,3-Trichloropropane	17.11	15.33		ok 1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.24	15.33	1.320	ok 1.319	1.259-1.379

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#### **Initial Calibration Retention Time/Internal Standard Area Summary**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Rang (+ /06)	e
1,2,4-Trimethylbenzene	19.64	15.33	1.281 ok	1.280	1.220-1.340	
1,3,5-Trimethylbenzene	19.02	15.33	1.241 ok	1.240	1.180-1.300	
2,2,4-Trimethylpentane	10.67	9.82	1.087 ok	1.087	1.027-1.147	
Tertiary Butyl Alcohol	5.61	7.64	0.734 ok	0.727	0.667-0.787	
Tetrachloroethylene	14.47	15.33	0.944 ok	0.943	0.883-1.003	
Tetrahydrofuran	8.34	7.64	1.092 ok	1.079	1.019-1.139	
Toluene	12.97	9.82	1.321 ok	1.319	1.259-1.379	
Trichloroethylene	10.64	9.82	1.084 ok	1.083	1.023-1.143	
Trichlorofluoromethane	4.92	7.64	0.644 ok	0.643	0.583-0.703	
Vinyl chloride	3.91	7.64	0.512 ok	0.511	0.451-0.571	
m,p-Xylene	16.25	15.33	1.060 ok	1.058	0.998-1.118	
o-Xylene	16.91	15.33	1.103 ok	1.102	1.042-1.162	
	RT	Mean	RT Range		Mean	Area Range
Internal Standard	(min.)	RT(min.)	(+ / <b>- 0.33</b> )	Area	Area	(+ / <b>- 40 %</b> )
Bromochloromethane	7.64 ol	7.65	7.32-7.98	433255	ok 443667	266200-621134
1,4-Difluorobenzene	9.82 ol	9.82	9.49-10.15	1918380	ok 1887207	1132324-2642090
Chlorobenzene-D5		15.34	15.01-15.6		ok 1019287	611572-1427002

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	Ву	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
Acetone (2-Propanone)	4.84	7.65	0.633	ok	0.629	0.569-0.689
Acrolein	4.72	7.65	0.617	ok	0.614	0.554-0.674
Acrylonitrile	5.22	7.65	0.682	ok	0.679	0.619-0.739
Acetonitrile	4.63	7.65	0.605	ok	0.602	0.542-0.662
1,3-Butadiene	4.02	7.65	0.525	ok	0.524	0.464-0.584
Benzene	9.39	9.82	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.33	1.169	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.30	15.33	1.063	ok	1.062	1.002-1.122
Bromomethane	4.22	7.65	0.552	ok	0.550	0.490-0.610
Bromoethene	4.60	7.65	0.601	ok	0.601	0.541-0.661
n-Butane	4.05	7.65	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.82	15.33	1.293	ok	1.292	1.232-1.352
n-Butylbenzene	20.86	15.33	1.361	ok	1.360	1.300-1.420
sec-Butylbenzene	20.01	15.33	1.305	ok	1.305	1.245-1.365
tert-Butylbenzene	19.61	15.33	1.279	ok	1.279	1.219-1.339
Carbon disulfide	5.84	7.65	0.763	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.33	1.005	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.57	7.65	0.467	ok	0.465	0.405-0.525
Chloroethane	4.34	7.65	0.567	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.65	0.469	ok	0.469	0.409-0.529
Chloroform	7.80	7.65	1.020	ok	1.019	0.959-1.079
Chloromethane	3.76	7.65	0.492	ok	0.490	0.430-0.550
3-Chloropropene	5.68	7.65	0.742	ok	0.741	0.681-0.801
2-Chlorotoluene	18.55	15.33	1.210	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.65	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.64	7.65	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.47	7.65	0.715	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.83	15.33	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.60	7.65	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.82	1.326	ok	1.324	1.264-1.384
1,4-Dioxane	10.76	9.82	1.096	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.64	7.65	0.476	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.41	7.65	0.576	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.33	0.881		0.881	0.821-0.941
Dibromomethane	10.33	9.82	1.052		1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.65	0.841	ok	0.841	0.781-0.901

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	Ву	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

<b>Target Compound</b>	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
cis-1,2-Dichloroethylene	7.49	7.65	0.979	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.82	1.195	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.83	15.33	1.294	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.41	15.33	1.331	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.93	15.33	1.300	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.42	9.82	1.265	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.75	7.65	1.013	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.82	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.65	1.131	ok	1.131	1.071-1.191
Ethylbenzene	15.96	15.33	1.041	ok	1.041	0.981-1.101
Ethyl Acetate	7.80	7.65	1.020	ok	1.012	0.952-1.072
Ethyl Acrylate	10.48	9.82	1.067	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.33	1.232	ok	1.231	1.171-1.291
Freon 113	5.81	7.65	0.759	ok	0.758	0.698-0.818
Freon 114	3.83	7.65	0.501	ok	0.499	0.439-0.559
Freon 123	4.72	7.65	0.617	ok	0.616	0.556-0.676
Freon 123A	4.76	7.65	0.622	ok	0.622	0.562-0.682
Freon 142B	3.74	7.65	0.489	ok	0.489	0.429-0.549
Freon 152A	3.53	7.65	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.33	1.524	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.33	1.391	ok	1.390	1.330-1.450
Hexane	7.69	7.65	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.44	15.33	0.877	ok	0.872	0.812-0.932
Iodomethane	5.41	7.65	0.707	ok	0.705	0.645-0.765
Isopropylbenzene	17.81	15.33	1.162	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.06	7.65	0.661	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.27	15.33	1.322	ok		1.261-1.381
Methylene chloride	5.58	7.65	0.729	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.12	7.65	0.931	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.86	9.82	1.208	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.75	7.65	0.882	ok	0.878	0.818-0.938
Methylmethacrylate	10.98	9.82	1.118	ok	1.115	1.055-1.175
Naphthalene	22.90	15.33	1.494	ok	1.493	1.433-1.553
Nonane	17.30	15.33	1.129	ok	1.128	1.068-1.188
Octane	14.33	15.33	0.935	ok	0.934	0.874-0.994
Pentane	5.22	7.65	0.682	ok	0.681	0.621-0.741
n-Propylbenzene	18.64	15.33	1.216	ok	1.215	1.155-1.275
Propylene	3.59	7.65	0.469	ok	0.468	0.408-0.528

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#### **Initial Calibration Retention Time/Internal Standard Area Summary**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT		RT Range06)	
Styrene	16.77	15.33	1.094 ok	1.093	1.03	33-1.153	
1,1,1-Trichloroethane	8.86	7.65	1.158 ok	1.158	1.09	8-1.218	
1,1,1,2-Tetrachloroethane	15.39	15.33	1.004 ok	1.003	0.94	3-1.063	
1,1,2,2-Tetrachloroethane	16.91	15.33	1.103 ok	1.103	1.04	3-1.163	
1,1,2-Trichloroethane	12.62	9.82	1.285 ok	1.284	1.22	24-1.344	
1,2,4-Trichlorobenzene	23.23	15.33	1.515 ok	1.515	1.45	55-1.575	
1,2,3-Trichloropropane	17.10	15.33	1.115 ok	1.115	1.05	55-1.175	
1,2,3-Trimethylbenzene	20.24	15.33	1.320 ok	1.319	1.25	9-1.379	
1,2,4-Trimethylbenzene	19.63	15.33	1.280 ok	1.280	1.22	20-1.340	
1,3,5-Trimethylbenzene	19.02	15.33	1.241 ok	1.240	1.18	30-1.300	
2,2,4-Trimethylpentane	10.67	9.82	1.087 ok	1.087	1.02	27-1.147	
Tertiary Butyl Alcohol	5.61	7.65	0.733 ok	0.727	0.66	57-0.787	
Tetrachloroethylene	14.46	15.33	0.943 ok	0.943	0.88	33-1.003	
Tetrahydrofuran	8.32	7.65	1.088 ok	1.079	1.01	9-1.139	
Toluene	12.96	9.82	1.320 ok	1.319	1.25	9-1.379	
Trichloroethylene	10.64	9.82	1.084 ok	1.083	1.02	23-1.143	
Trichlorofluoromethane	4.93	7.65	0.644 ok	0.643	0.58	33-0.703	
Vinyl chloride	3.92	7.65	0.512 ok	0.511	0.45	51-0.571	
Vinyl Acetate	6.82	7.65	0.892 ok	0.888	0.82	28-0.948	
m,p-Xylene	16.23	15.33	1.059 ok	1.058	0.99	8-1.118	
o-Xylene	16.90	15.33	1.102 ok	1.102	1.04	2-1.162	
TVHC As Equiv Pentane	5.22	15.33	0.341 ok	0.340	0.28	80-0.400	
Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65 ok	7.65	7.32-7.98	430146	ok	443667	266200-621134
1,4-Difluorobenzene		9.82	9.49-10.15			1887207	1132324-2642090
Chlorobenzene-D5		15.34	15.01-15.6			1019287	611572-1427002

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	Reporting this level
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

<b>Target Compound</b>	RT (min.)	Istd RT (min.)	Rel RT	Mean R RT	el Rel RT Range (+ /06)
Acetone (2-Propanone)	4.81	7.65	0.629	ok 0.629	0.569-0.689
Acrolein	4.70	7.65	0.614	ok 0.614	0.554-0.674
Acrylonitrile	5.19	7.65	0.678	ok 0.679	0.619-0.739
Acetonitrile	4.60	7.65	0.601	ok 0.602	0.542-0.662
1,3-Butadiene	4.01	7.65	0.524	ok 0.524	0.464-0.584
Benzene	9.38	9.82	0.955	ok 0.956	0.896-1.016
Bromobenzene	17.90	15.34	1.167	ok 1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok 1.078	1.018-1.138
Bromoform	16.28	15.34	1.061	ok 1.062	1.002-1.122
Bromomethane	4.21	7.65	0.550	ok 0.550	0.490-0.610
Bromoethene	4.60	7.65	0.601	ok 0.601	0.541-0.661
n-Butane	4.04	7.65	0.528	ok 0.529	0.469-0.589
Benzyl Chloride	19.81	15.34		ok 1.292	1.232-1.352
n-Butylbenzene	20.85	15.34	1.359	ok 1.360	1.300-1.420
sec-Butylbenzene	20.01	15.34	1.304	ok 1.305	1.245-1.365
tert-Butylbenzene	19.60	15.34	1.278	ok 1.279	1.219-1.339
Carbon disulfide	5.83	7.65	0.762	ok 0.762	0.702-0.822
Chlorobenzene	15.40	15.34	1.004	ok 1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.65	0.465	ok 0.465	0.405-0.525
Chloroethane	4.33	7.65	0.566	ok 0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.65	0.469	ok 0.469	0.409-0.529
Chloroform	7.79	7.65	1.018	ok 1.019	0.959-1.079
Chloromethane	3.75	7.65	0.490	ok 0.490	0.430-0.550
3-Chloropropene	5.67	7.65	0.741	ok 0.741	0.681-0.801
2-Chlorotoluene	18.54	15.34	1.209	ok 1.209	1.149-1.269
Carbon tetrachloride	9.55	7.65	1.248	ok 1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok 0.986	0.926-1.046
1,1-Dichloroethane	6.63	7.65	0.867	ok 0.867	0.807-0.927
1,1-Dichloroethylene	5.46	7.65	0.714	ok 0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.81	15.34	0.900	ok 0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.65	1.123	ok 1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok 1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.82	1.324	ok 1.324	1.264-1.384
1,4-Dioxane	10.67	9.82	1.087	ok 1.089	1.029-1.149
Dichlorodifluoromethane	3.63	7.65	0.475	ok 0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.65	0.575	ok 0.575	0.515-0.635
Dibromochloromethane	13.50	15.34	0.880	ok 0.881	0.821-0.941
Dibromomethane	10.32	9.82	1.051	ok 1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.65	0.841	ok 0.841	0.781-0.901

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	Reporting this level
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

<b>Target Compound</b>	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
cis-1,2-Dichloroethylene	7.48	7.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.72	9.82	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.81	15.34	1.291	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.40	15.34	1.330	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.92	15.34	1.299	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.40	9.82	1.263	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.70	7.65	1.007	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.98	9.82	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.65	1.131	ok	1.131	1.071-1.191
Ethanol	4.43	7.65	0.579	ok	0.579	0.519-0.639
Ethylbenzene	15.95	15.34	1.040	ok	1.041	0.981-1.101
Ethyl Acetate	7.74	7.65	1.012	ok	1.012	0.952-1.072
Ethyl Acrylate	10.40	9.82	1.059	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.34	1.231	ok	1.231	1.171-1.291
Freon 113	5.80	7.65	0.758	ok	0.758	0.698-0.818
Freon 114	3.82	7.65	0.499	ok	0.499	0.439-0.559
Freon 123	4.71	7.65	0.616	ok	0.616	0.556-0.676
Freon 123A	4.76	7.65	0.622	ok	0.622	0.562-0.682
Freon 142B	3.74	7.65	0.489	ok	0.489	0.429-0.549
Freon 152A	3.53	7.65	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.34	1.523	ok	1.524	1.464-1.584
Hexachloroethane	21.31	15.34	1.389	ok	1.390	1.330-1.450
Hexane	7.69	7.65	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.34	0.871	ok	0.872	0.812-0.932
Iodomethane	5.39	7.65	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.81	15.34	1.161	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.01	7.65	0.655	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.26	15.34	1.321	ok	1.321	1.261-1.381
Methylene chloride	5.57	7.65	0.728	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.04	7.65	0.920	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.82	1.201	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.70	7.65	0.876	ok	0.878	0.818-0.938
Methylmethacrylate	10.93	9.82	1.113	ok	1.115	1.055-1.175
Naphthalene	22.88	15.34	1.492	ok	1.493	1.433-1.553
Nonane	17.30	15.34	1.128	ok	1.128	1.068-1.188
Octane	14.32	15.34	0.934	ok	0.934	0.874-0.994
Pentane	5.21	7.65	0.681		0.681	0.621-0.741
n-Propylbenzene	18.63	15.34	1.214	ok	1.215	1.155-1.275

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	Reporting this level
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /06)	
Propylene	3.58	7.65	0.468 ok	0.468	0.408-0.528	
Styrene	16.75	15.34	1.092 ok	1.093	1.033-1.153	
1,1,1-Trichloroethane	8.86	7.65	1.158 ok	1.158	1.098-1.218	
1,1,1,2-Tetrachloroethane	15.38	15.34	1.003 ok	1.003	0.943-1.063	
1,1,2,2-Tetrachloroethane	16.90	15.34	1.102 ok	1.103	1.043-1.163	
1,1,2-Trichloroethane	12.60	9.82	1.283 ok	1.284	1.224-1.344	
1,2,4-Trichlorobenzene	23.22	15.34	1.514 ok	1.515	1.455-1.575	
1,2,3-Trichloropropane	17.09	15.34	1.114 ok	1.115	1.055-1.175	
1,2,3-Trimethylbenzene	20.23	15.34	1.319 ok	1.319	1.259-1.379	
1,2,4-Trimethylbenzene	19.62	15.34	1.279 ok	1.280	1.220-1.340	
1,3,5-Trimethylbenzene	19.01	15.34	1.239 ok	1.240	1.180-1.300	
2,2,4-Trimethylpentane	10.67	9.82	1.087 ok	1.087	1.027-1.147	
Tertiary Butyl Alcohol	5.53	7.65	0.723 ok	0.727	0.667-0.787	
Tetrachloroethylene	14.46	15.34	0.943 ok	0.943	0.883-1.003	
Tetrahydrofuran	8.23	7.65	1.076 ok	1.079	1.019-1.139	
Toluene	12.95	9.82	1.319 ok	1.319	1.259-1.379	
Trichloroethylene	10.64	9.82	1.084 ok	1.083	1.023-1.143	
Trichlorofluoromethane	4.92	7.65	0.643 ok	0.643	0.583-0.703	
Vinyl chloride	3.91	7.65	0.511 ok	0.511	0.451-0.571	
Vinyl Acetate	6.79	7.65	0.888 ok	0.888	0.828-0.948	
m,p-Xylene	16.20	15.34	1.056 ok	1.058	0.998-1.118	
o-Xylene	16.89	15.34	1.101 ok	1.102	1.042-1.162	
TVHC As Equiv Pentane	5.21	15.34	0.340 ok	0.340	0.280-0.400	
Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65 ok	7.65	7.32-7.98	412314	ok 443667	266200-621134
1,4-Difluorobenzene		9.82	9.49-10.15	182389		1132324-2642090
Chlorobenzene-D5		15.34	15.01-15.6		ok 1019287	611572-1427002

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
Acetone (2-Propanone)	4.80	7.65	0.627	ok	0.629	0.569-0.689
Acrolein	4.69	7.65	0.613	ok	0.614	0.554-0.674
Acrylonitrile	5.18	7.65	0.677	ok	0.679	0.619-0.739
Acetonitrile	4.60	7.65	0.601	ok	0.602	0.542-0.662
1,3-Butadiene	4.01	7.65	0.524	ok	0.524	0.464-0.584
Benzene	9.38	9.82	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.90	15.34	1.167	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.28	15.34	1.061	ok	1.062	1.002-1.122
Bromomethane	4.21	7.65	0.550	ok	0.550	0.490-0.610
Bromoethene	4.60	7.65	0.601	ok	0.601	0.541-0.661
n-Butane	4.05	7.65	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.81	15.34	1.291	ok	1.292	1.232-1.352
n-Butylbenzene	20.85	15.34	1.359	ok	1.360	1.300-1.420
sec-Butylbenzene	20.01	15.34	1.304	ok	1.305	1.245-1.365
tert-Butylbenzene	19.61	15.34	1.278	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.65	0.762	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.34	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.65	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.65	0.566	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.65	0.469	ok	0.469	0.409-0.529
Chloroform	7.79	7.65	1.018	ok	1.019	0.959-1.079
Chloromethane	3.75	7.65	0.490	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.65	0.741	ok	0.741	0.681-0.801
2-Chlorotoluene	18.54	15.34	1.209	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.65	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.63	7.65	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.46	7.65	0.714	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.82	15.34	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.65	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.82	1.324	ok	1.324	1.264-1.384
1,4-Dioxane	10.65	9.82	1.085	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.64	7.65	0.476	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.65	0.575	ok	0.575	0.515-0.635
Dibromochloromethane	13.50	15.34	0.880		0.881	0.821-0.941
Dibromomethane	10.32	9.82	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.65	0.841	ok	0.841	0.781-0.901

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#### **Initial Calibration Retention Time/Internal Standard Area Summary**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound         (min.)         (min.)         RT         RT         (+/06)           cis-1,2-Dichloroethylene         7.48         7.65         0.978         ok 0.978         0.918-1.038           cis-1,3-Dichloropropene         11.72         9.82         1.193         ok 1.194         1.134-1.254           m-Dichlorobenzene         19.81         15.34         1.291         ok 1.292         1.232-1.352           o-Dichlorobenzene         19.92         15.34         1.330         ok 1.331         1.271-1.391           p-Dichlorobenzene         19.92         15.34         1.299         ok 1.292         1.232-1.352           p-Dichlorobenzene         19.92         15.34         1.299         ok 1.293         1.239-1.359           trans-1,3-Dichloropropene         12.40         9.82         1.263         ok 1.263         1.203-1.323           Di-Isopropyl ether         7.69         7.65         1.005         ok 1.008         0.948-1.068           2,3-Dimethylpentane         8.65         7.65         1.005         ok 1.017         0.957-1.077           2,4-Dimethylpentane         8.65         7.65         1.31         ok 1.017         0.957-1.077           2,4-Dimethylpentane         8.65         7.6		RT	Istd RT	Rel		Mean Rel	Rel RT Range
cis-1,3-Dichloropropene         11.72         9.82         1.193         ok         1.194         1.134-1.254           m-Dichlorobenzene         19.81         15.34         1.291         ok         1.292         1.232-1.352           o-Dichlorobenzene         19.92         15.34         1.299         ok         1.391         1.271-1.391           p-Dichlorobenzene         19.92         15.34         1.299         ok         1.239-1.359           trans-1,3-Dichloropropene         12.40         9.82         1.263         ok         1.203-1.323           Di-Isopropyl ether         7.69         7.65         1.005         ok         1.008         0.948-1.068           2,3-Dimethylpentane         9.99         9.82         1.017         ok         1.017         0p57-1.077           2,4-Dimethylpentane         8.65         7.65         1.131         ok         1.131         1.071-1.191           Ethanol         4.43         7.65         1.534         1.040         ok         0.579         0.519-0.639           Ethylbenzene         15.95         15.34         1.040         ok         1.041         0.981-1.101           Ethyl Acrylate         10.40         9.82         1.059         ok<	<b>Target Compound</b>	(min.)	(min.)	RT		RT	(+ / <b>06</b> )
m-Dichlorobenzene 19.81 15.34 1.291 ok 1.292 1.232-1.352 o-Dichlorobenzene 20.40 15.34 1.330 ok 1.331 1.271-1.391 p-Dichlorobenzene 19.92 15.34 1.299 ok 1.299 1.239-1.359 trans-1,3-Dichloropropene 12.40 9.82 1.263 ok 1.263 1.203-1.323 Di-Isopropyl ether 7.69 7.65 1.005 ok 1.008 0.948-1.068 2,3-Dimethylpentane 9.99 9.82 1.017 ok 1.017 0.957-1.077 2,4-Dimethylpentane 8.65 7.65 1.31 ok 1.131 1.071-1.191 Ethanol 4.43 7.65 0.579 ok 0.579 0.519-0.639 Ethylbenzene 15.95 15.34 1.040 ok 1.041 0.981-1.101 Ethyl Acetate 7.73 7.65 1.010 ok 1.012 0.952-1.072 Ethyl Acrylate 10.40 9.82 1.059 ok 1.061 1.001-1.121 4-Ethyltoluene 18.88 15.34 1.231 ok 1.231 1.171-1.291 Freon 113 5.80 7.65 0.758 ok 0.758 0.698-0.818 Freon 123 4.71 7.65 0.499 ok 0.499 0.439-0.559 Freon 123 4.71 7.65 0.616 ok 0.616 0.556-0.676 Freon 123A 4.76 7.65 0.622 ok 0.622 0.562-0.682 Freon 142B 3.74 7.65 0.462 ok 0.461 0.401-0.521 Heptane 11.02 9.82 1.122 ok 1.122 1.062-1.182 Hexachlorobutadiene 23.37 15.34 1.534 1.533 ok 1.231 1.062-1.182 Hexachlorobutadiene 21.32 15.34 1.590 ok 1.390 1.330-1.450 Hexane 7.69 7.65 0.652 ok 0.822 0.562-0.682 September 13.35 15.34 0.870 ok 0.872 0.812-0.932 Isopropyl boluene 13.35 15.34 0.870 ok 0.872 0.812-0.932 Isopropyl boluene 20.26 15.34 1.321 ok 1.321 1.161-1.261 1.82 Hexachlorobutadiene 21.32 15.34 1.390 ok 1.390 1.330-1.450 Hexane 7.69 7.65 0.654 ok 0.656 0.596-0.716 Isopropylboluene 20.26 15.34 1.310 ok 0.261 1.102-1.222 Isopropyl Alcohol 5.00 7.65 0.654 ok 0.656 0.596-0.716 p-Isopropylboluene 20.26 15.34 1.321 ok 1.321 1.261-1.381 Methylene chloride 5.57 7.65 0.875 ok 0.878 0.688-0.788 Methyl retryl ketone 7.03 7.65 0.875 ok 0.878 0.686-0.788 Methyl retryl ketone 7.03 7.65 0.875 ok 0.878 0.888-0.898 Methyl tethyl ketone 11.77 9.82 1.119 ok 1.211 0.81.115 1.055-1.175 Naphthalene 22.88 15.34 1.492 ok 1.493 1.433-1.553	cis-1,2-Dichloroethylene	7.48	7.65	0.978	ok	0.978	0.918-1.038
o-Dichlorobenzene         20.40         15.34         1.330         ok         1.331         1.271-1.391           p-Dichlorobenzene         19.92         15.34         1.299         ok         1.299         ok         1.299         1.239-1.359           trans-1,3-Dichloropropene         12.40         9.82         1.263         0k         1.263         1.203-1.323           Di-Isopropyl ether         7.69         7.65         1.005         ok         1.008         0.948+1.068           2,3-Dimethylpentane         9.99         9.82         1.017         ok         1.017         0.957-1.077           2,4-Dimethylpentane         8.65         7.65         1.131         ok         1.131         1.071-1.191           Ethanol         4.43         7.65         0.579         ok         0.579         0.519-0.639           Ethylbenzene         15.95         15.34         1.040         ok         1.041         0.981-1.101           Ethyl Acrylate         10.40         9.82         1.059         ok         1.061         1.001-1.121           4-Ethyl Acrylate         10.40         9.82         1.059         ok         1.061         1.001-1.121           4-Ethyl Acrylate         10.40	cis-1,3-Dichloropropene	11.72	9.82	1.193	ok	1.194	1.134-1.254
p-Dichlorobenzene         19.92         15.34         1.299         ok         1.299         1.239-1.359           trans-1,3-Dichloropropene         12.40         9.82         1.263         ok         1.263         1.203-1.323           Di-Isopropyl ether         7.69         7.65         1.005         ok         1.008         0.948-1.068           2,3-Dimethylpentane         9.99         9.82         1.017         ok         1.017         0.957-1.077           2,4-Dimethylpentane         8.65         7.65         1.131         ok         1.131         1.071-1.191           Ethanol         4.43         7.65         0.579         ok         0.579         0.519-0.639           Ethylbenzene         15.95         15.34         1.040         ok         1.041         0.981-1.101           Ethyl Acrylate         10.40         9.82         1.059         ok         1.061         1.001-1.121           4-Ethylkoluene         18.88         15.34         1.231         ok         1.231         1.171-1.291           Freon 113         5.80         7.65         0.758         ok         0.758         0.698-0.818           Freon 123         4.71         7.65         0.616         ok	m-Dichlorobenzene	19.81	15.34	1.291	ok	1.292	1.232-1.352
trans-1,3-Dichloropropene         12.40         9.82         1.263         ok         1.263         1.203-1.323           Di-Isopropyl ether         7.69         7.65         1.005         ok         1.008         0.948-1.068           2,3-Dimethylpentane         9.99         9.82         1.017         ok         1.017         0.957-1.077           2,4-Dimethylpentane         8.65         7.65         1.131         ok         1.131         1.071-1.191           Ethanol         4.43         7.65         0.579         ok         0.579         0.519-0.639           Ethylbenzene         15.95         15.34         1.040         ok         1.041         0.981-1.101           Ethyl Acetate         7.73         7.65         1.010         ok         1.012         0.952-1.072           Ethyl Acrylate         10.40         9.82         1.059         ok         1.061         1.001-1.121           4-Ethyltoluene         18.88         15.34         1.231         ok         0.231         1.171-1.291           Freon 113         5.80         7.65         0.758         ok         0.698-0.818           Freon 123         4.71         7.65         0.616         ok         0.616	o-Dichlorobenzene	20.40	15.34	1.330	ok	1.331	1.271-1.391
Di-Isopropyl ether 7.69 7.65 1.005 ok 1.008 0.948-1.068 2,3-Dimethylpentane 9.99 9.82 1.017 ok 1.017 0.957-1.077 2,4-Dimethylpentane 8.65 7.65 1.131 ok 1.131 1.071-1.191 Ethanol 4.43 7.65 0.579 ok 0.579 0.519-0.639 Ethylbenzene 15.95 15.34 1.040 ok 1.041 0.981-1.101 Ethyl Acetate 7.73 7.65 1.010 ok 1.012 0.952-1.072 Ethyl Acrylate 10.40 9.82 1.059 ok 1.061 1.001-1.121 4-Ethyltoluene 18.88 15.34 1.231 ok 1.231 1.171-1.291 Freon 113 5.80 7.65 0.758 ok 0.758 0.698-0.818 Freon 114 3.82 7.65 0.499 ok 0.499 0.439-0.559 Freon 123 4.71 7.65 0.616 ok 0.616 0.556-0.676 Freon 123A 4.76 7.65 0.616 ok 0.616 0.556-0.676 Freon 123A 4.76 7.65 0.622 ok 0.622 0.562-0.682 Freon 142B 3.74 7.65 0.461 ok 0.461 0.401-0.521 Heptane 11.02 9.82 1.122 ok 1.324 1.062-1.182 Hexachlorobutadiene 23.37 15.34 1.523 ok 1.524 1.464-1.584 Hexachloroethane 21.32 15.34 1.390 ok 1.390 1.330-1.450 Hexane 7.69 7.65 0.705 ok 0.705 0.845-1.065 2-Hexanone 13.35 15.34 0.870 ok 0.872 0.812-0.932 Isopropylbenzene 17.81 15.34 1.161 ok 1.102 1.102-1.222 Isopropyl Alcohol 5.00 7.65 0.765 0.705 ok 0.705 0.645-0.765 1.507 ok 0.705 0.645-0.765 0.596-0.716 p-Isopropyltoluene 20.26 15.34 1.321 ok 1.321 1.261-1.381 Methylene chloride 5.57 7.65 0.728 ok 0.728 0.668-0.788 Methyl Ether 6.69 7.65 0.728 ok 0.878 0.818-0.938 Methyl methacrylate 10.92 9.82 1.112 ok 1.121 1.061-1.381 Methylene chloride 10.92 9.82 1.112 ok 1.131 1.201 1.141-1.261 Methyl Tert Butyl Ether 6.69 7.65 0.875 ok 0.878 0.818-0.938 Methyl methacrylate 10.92 9.82 1.112 ok 1.149 ok 1.149 1.155-1.175 Naphthalene 22.88 15.34 1.492 ok 1.493 1.433-1.553	p-Dichlorobenzene	19.92	15.34	1.299	ok	1.299	1.239-1.359
2,3-Dimethylpentane         9.99         9.82         1.017         ok         1.017         0.957-1.077           2,4-Dimethylpentane         8.65         7.65         1.131         ok         1.131         1.071-1.191           Ethanol         4.43         7.65         0.579         ok         0.579         0.519-0.639           Ethylbenzene         15.95         15.34         1.040         ok         1.041         0.981-1.101           Ethyl Acetate         7.73         7.65         1.010         ok         1.012         0.952-1.072           Ethyl Acrylate         10.40         9.82         1.059         ok         1.061         1.001-1.121           4-Ethyltoluene         18.88         15.34         1.231         ok         1.231         1.171-1.291           Freon 113         5.80         7.65         0.758         ok         0.758         0.698-0.818           Freon 123         4.71         7.65         0.499         ok         0.499         0.439-0.559           Freon 123A         4.76         7.65         0.616         ok         0.616         0.556-0.676           Freon 123A         4.76         7.65         0.622         ok         0.622	trans-1,3-Dichloropropene	12.40	9.82	1.263	ok	1.263	1.203-1.323
2,4-Dimethylpentane         8.65         7.65         1.131         ok         1.131         1.071-1.191           Ethanol         4.43         7.65         0.579         ok         0.579         0.519-0.639           Ethylbenzene         15.95         15.34         1.040         ok         1.041         0.981-1.101           Ethyl Acrylate         10.40         9.82         1.059         ok         1.061         1.001-1.121           4-Ethyltoluene         18.88         15.34         1.231         ok         1.231         1.171-1.291           Freon 113         5.80         7.65         0.758         ok         0.758         0.698-0.818           Freon 114         3.82         7.65         0.499         ok         0.499         0.439-0.559           Freon 123         4.71         7.65         0.616         ok         0.616         0.556-0.676           Freon 123A         4.76         7.65         0.622         ok         0.622         0.562-0.682           Freon 142B         3.74         7.65         0.489         ok         0.489         0.429-0.549           Freon 152A         3.53         7.65         0.489         ok         0.499         0.429-0	Di-Isopropyl ether	7.69	7.65	1.005	ok	1.008	0.948-1.068
Ethanol         4.43         7.65         0.579         ok 0.579         0.519-0.639           Ethylbenzene         15.95         15.34         1.040         ok 1.041         0.981-1.101           Ethyl Acetate         7.73         7.65         1.010         ok 1.012         0.952-1.072           Ethyl Acrylate         10.40         9.82         1.059         ok 1.061         1.001-1.121           4-Ethyltoluene         18.88         15.34         1.231         ok 1.231         1.171-1.291           Freon 113         5.80         7.65         0.758         ok 0.758         0.698-0.818           Freon 114         3.82         7.65         0.499         ok 399-0.818           Freon 123         4.71         7.65         0.616         ok 0.758         ok 0.439-0.559           Freon 123A         4.76         7.65         0.622         ok 0.622         0.562-0.682           Freon 142B         3.74         7.65         0.489         ok 0.489         0.429-0.549           Freon 152A         3.53         7.65         0.461         ok 0.461         0.401-0.521           Heptane         11.02         9.82         1.122         ok 1.122         1.062-1.182           Hexachl	2,3-Dimethylpentane	9.99	9.82	1.017	ok	1.017	0.957-1.077
Ethylbenzene         15.95         15.34         1.040         ok         1.041         0.981-1.101           Ethyl Acetate         7.73         7.65         1.010         ok         1.012         0.952-1.072           Ethyl Acrylate         10.40         9.82         1.059         ok         1.061         1.001-1.121           4-Ethyltoluene         18.88         15.34         1.231         ok         1.231         1.171-1.291           Freon 113         5.80         7.65         0.758         ok         0.758         0.698-0.818           Freon 114         3.82         7.65         0.499         ok         0.499         0.439-0.559           Freon 123         4.71         7.65         0.616         ok         0.516         0.556-0.676           Freon 123A         4.76         7.65         0.622         ok         0.622         0.562-0.682           Freon 142B         3.74         7.65         0.489         ok         0.489         0.429-0.549           Freon 152A         3.53         7.65         0.461         ok         0.461         0.401-0.521           Heptane         11.02         9.82         1.122         ok         1.524         1.464-1.584<	2,4-Dimethylpentane	8.65	7.65	1.131	ok	1.131	1.071-1.191
Ethyl Acetate         7.73         7.65         1.010         ok         1.012         0.952-1.072           Ethyl Acrylate         10.40         9.82         1.059         ok         1.061         1.001-1.121           4-Ethyltoluene         18.88         15.34         1.231         ok         1.231         1.171-1.291           Freon 113         5.80         7.65         0.758         ok         0.758         0.698-0.818           Freon 114         3.82         7.65         0.499         ok         0.499         0.439-0.559           Freon 123         4.71         7.65         0.616         ok         0.616         0.556-0.676           Freon 123A         4.76         7.65         0.622         ok         0.622         0.562-0.682           Freon 142B         3.74         7.65         0.489         ok         0.489         0.429-0.549           Freon 152A         3.53         7.65         0.489         ok         0.489         0.429-0.549           Heytane         11.02         9.82         1.122         ok         0.429-0.549           Hexachlorobutadiene         23.37         15.34         1.523         ok         1.524         1.464-1.584	Ethanol	4.43	7.65	0.579	ok	0.579	0.519-0.639
Ethyl Acrylate         10.40         9.82         1.059         ok         1.061         1.001-1.121           4-Ethyltoluene         18.88         15.34         1.231         ok         1.231         1.171-1.291           Freon 113         5.80         7.65         0.758         ok         0.758         0.698-0.818           Freon 114         3.82         7.65         0.499         ok         0.499         0.439-0.559           Freon 123         4.71         7.65         0.616         ok         0.616         0.556-0.676           Freon 123A         4.76         7.65         0.622         ok         0.622         0.562-0.682           Freon 142B         3.74         7.65         0.489         ok         0.489         0.429-0.549           Freon 152A         3.53         7.65         0.461         ok         0.461         0.401-0.521           Heptane         11.02         9.82         1.122         ok         1.122         1.062-1.182           Hexachlorobutadiene         23.37         15.34         1.523         ok         1.524         1.464-1.584           Hexachlorobutadiene         21.32         15.34         1.390         ok         1.390         <	Ethylbenzene	15.95	15.34	1.040	ok	1.041	0.981-1.101
4-Ethyltoluene         18.88         15.34         1.231         ok         1.231         1.171-1.291           Freon 113         5.80         7.65         0.758         ok         0.758         0.698-0.818           Freon 114         3.82         7.65         0.499         ok         0.499         0.439-0.559           Freon 123         4.71         7.65         0.616         ok         0.616         0.556-0.676           Freon 123A         4.76         7.65         0.622         ok         0.622         0.562-0.682           Freon 142B         3.74         7.65         0.489         ok         0.489         0.429-0.549           Freon 152A         3.53         7.65         0.461         ok         0.461         0.401-0.521           Heptane         11.02         9.82         1.122         ok         1.122         1.062-1.182           Hexachlorobutadiene         23.37         15.34         1.523         ok         1.524         1.464-1.584           Hexachloroethane         21.32         15.34         1.390         ok         1.390         1.330-1.450           Hexane         7.69         7.65         1.005         ok         1.005         0.812-0.9	Ethyl Acetate	7.73	7.65	1.010	ok	1.012	0.952-1.072
Freon 113         5.80         7.65         0.758         ok 0.758         0.698-0.818           Freon 114         3.82         7.65         0.499         ok 0.499         0.439-0.559           Freon 123         4.71         7.65         0.616         ok 0.616         0.556-0.676           Freon 123A         4.76         7.65         0.622         ok 0.622         0.562-0.682           Freon 142B         3.74         7.65         0.489         ok 0.489         0.429-0.549           Freon 152A         3.53         7.65         0.461         ok 0.461         0.401-0.521           Heptane         11.02         9.82         1.122         ok 1.122         1.062-1.182           Hexachlorobutadiene         23.37         15.34         1.523         ok 1.524         1.464-1.584           Hexachloroethane         21.32         15.34         1.390         ok 1.390         1.330-1.450           Hexane         7.69         7.65         1.005         ok 1.005         0.945-1.065           2-Hexanone         13.35         15.34         0.870         ok 0.872         0.812-0.932           Iodomethane         5.39         7.65         0.705         ok 0.705         0.645-0.765	Ethyl Acrylate	10.40	9.82	1.059	ok	1.061	1.001-1.121
Freon 114         3.82         7.65         0.499         ok 0.499         0.439-0.559           Freon 123         4.71         7.65         0.616         ok 0.616         0.556-0.676           Freon 123A         4.76         7.65         0.622         ok 0.622         0.562-0.682           Freon 142B         3.74         7.65         0.489         ok 0.489         0.429-0.549           Freon 152A         3.53         7.65         0.461         ok 0.461         0.401-0.521           Heptane         11.02         9.82         1.122         ok 1.122         1.062-1.182           Hexachlorobutadiene         23.37         15.34         1.523         ok 1.524         1.464-1.584           Hexachloroethane         21.32         15.34         1.390         ok 1.390         1.330-1.450           Hexane         7.69         7.65         1.005         ok 1.005         0.945-1.065           2-Hexanone         13.35         15.34         0.870         ok 0.872         0.812-0.932           Iodomethane         5.39         7.65         0.705         ok 0.705         0.645-0.765           Isopropylbenzene         17.81         15.34         1.161         ok 1.162         1.102-1.222	4-Ethyltoluene	18.88	15.34	1.231	ok	1.231	1.171-1.291
Freon 123         4.71         7.65         0.616         ok 0.616         0.556-0.676           Freon 123A         4.76         7.65         0.622         ok 0.622         0.562-0.682           Freon 142B         3.74         7.65         0.489         ok 0.489         0.429-0.549           Freon 152A         3.53         7.65         0.461         ok 0.461         0.401-0.521           Heptane         11.02         9.82         1.122         ok 1.122         1.062-1.182           Hexachlorobutadiene         23.37         15.34         1.523         ok 1.524         1.464-1.584           Hexachloroethane         21.32         15.34         1.390         ok 1.390         1.330-1.450           Hexane         7.69         7.65         1.005         ok 1.005         0.945-1.065           2-Hexanone         13.35         15.34         0.870         ok 0.872         0.812-0.932           Iodomethane         5.39         7.65         0.705         ok 0.705         0.645-0.765           Isopropylbenzene         17.81         15.34         1.161         ok 1.162         1.102-1.222           Isopropyltoluene         20.26         15.34         1.321         ok 1.321         1.261-1.381<	Freon 113	5.80	7.65	0.758	ok	0.758	0.698-0.818
Freon 123A         4.76         7.65         0.622         ok 0.622         0.562-0.682           Freon 142B         3.74         7.65         0.489         ok 0.489         0.429-0.549           Freon 152A         3.53         7.65         0.461         ok 0.461         0.401-0.521           Heptane         11.02         9.82         1.122         ok 1.122         1.062-1.182           Hexachlorobutadiene         23.37         15.34         1.523         ok 1.524         1.464-1.584           Hexachloroethane         21.32         15.34         1.390         ok 1.390         1.330-1.450           Hexane         7.69         7.65         1.005         ok 1.005         0.945-1.065           2-Hexanone         13.35         15.34         0.870         ok 0.872         0.812-0.932           Iodomethane         5.39         7.65         0.705         ok 0.705         0.645-0.765           Isopropylbenzene         17.81         15.34         1.161         ok 1.162         1.102-1.222           Isopropyl Alcohol         5.00         7.65         0.654         ok 0.656         0.596-0.716           p-Isopropyltoluene         20.26         15.34         1.321         ok 1.321         1.	Freon 114	3.82	7.65	0.499	ok	0.499	0.439-0.559
Freon 142B         3.74         7.65         0.489         ok 0.489         0.429-0.549           Freon 152A         3.53         7.65         0.461         ok 0.461         0.401-0.521           Heptane         11.02         9.82         1.122         ok 1.122         1.062-1.182           Hexachlorobutadiene         23.37         15.34         1.523         ok 1.524         1.464-1.584           Hexachloroethane         21.32         15.34         1.390         ok 1.390         1.330-1.450           Hexane         7.69         7.65         1.005         ok 1.005         0.945-1.065           2-Hexanone         13.35         15.34         0.870         ok 0.872         0.812-0.932           Iodomethane         5.39         7.65         0.705         ok 0.705         0.645-0.765           Isopropylbenzene         17.81         15.34         1.161         ok 1.162         1.102-1.222           Isopropyl Alcohol         5.00         7.65         0.654         ok 0.656         0.596-0.716           p-Isopropyltoluene         20.26         15.34         1.321         ok 1.321         1.261-1.381           Methylene chloride         5.57         7.65         0.728         ok 0.728	Freon 123	4.71	7.65	0.616	ok	0.616	0.556-0.676
Freon 152A         3.53         7.65         0.461         ok 0.461         0.401-0.521           Heptane         11.02         9.82         1.122         ok 1.122         1.062-1.182           Hexachlorobutadiene         23.37         15.34         1.523         ok 1.524         1.464-1.584           Hexachloroethane         21.32         15.34         1.390         ok 1.390         1.330-1.450           Hexane         7.69         7.65         1.005         ok 1.005         0.945-1.065           2-Hexanone         13.35         15.34         0.870         ok 0.872         0.812-0.932           Iodomethane         5.39         7.65         0.705         ok 0.705         0.645-0.765           Isopropylbenzene         17.81         15.34         1.161         ok 1.162         1.102-1.222           Isopropyl Alcohol         5.00         7.65         0.654         ok 0.656         0.596-0.716           p-Isopropyltoluene         20.26         15.34         1.321         ok 1.321         1.261-1.381           Methylene chloride         5.57         7.65         0.728         ok 0.728         0.668-0.788           Methyl Isobutyl Ketone         7.03         7.65         0.875         ok 0.878	Freon 123A	4.76	7.65	0.622	ok	0.622	0.562-0.682
Heptane11.029.821.122ok1.1221.062-1.182Hexachlorobutadiene23.3715.341.523ok1.5241.464-1.584Hexachloroethane21.3215.341.390ok1.3901.330-1.450Hexane7.697.651.005ok1.0050.945-1.0652-Hexanone13.3515.340.870ok0.8720.812-0.932Iodomethane5.397.650.705ok0.7050.645-0.765Isopropylbenzene17.8115.341.161ok1.1621.102-1.222Isopropyl Alcohol5.007.650.654ok0.6560.596-0.716p-Isopropyltoluene20.2615.341.321ok1.3211.261-1.381Methylene chloride5.577.650.728ok0.7280.668-0.788Methyl Isobutyl Ketone7.037.650.919ok0.9240.864-0.984Methyl Tert Butyl Ether6.697.650.875ok0.8780.818-0.938Methylmethacrylate10.929.821.112ok1.1151.055-1.175Naphthalene22.8815.341.492ok1.4931.433-1.553	Freon 142B	3.74	7.65	0.489	ok	0.489	0.429-0.549
Hexachlorobutadiene         23.37         15.34         1.523         ok         1.524         1.464-1.584           Hexachloroethane         21.32         15.34         1.390         ok         1.390         1.330-1.450           Hexane         7.69         7.65         1.005         ok         1.005         0.945-1.065           2-Hexanone         13.35         15.34         0.870         ok         0.872         0.812-0.932           Iodomethane         5.39         7.65         0.705         ok         0.705         0.645-0.765           Isopropylbenzene         17.81         15.34         1.161         ok         1.162         1.102-1.222           Isopropyl Alcohol         5.00         7.65         0.654         ok         0.656         0.596-0.716           p-Isopropyltoluene         20.26         15.34         1.321         ok         1.321         1.261-1.381           Methylene chloride         5.57         7.65         0.728         ok         0.728         0.668-0.788           Methyl Isobutyl Ketone         7.03         7.65         0.919         ok         0.924         0.864-0.984           Methyl Tert Butyl Ether         6.69         7.65         0.875	Freon 152A	3.53	7.65	0.461	ok	0.461	0.401-0.521
Hexachloroethane         21.32         15.34         1.390 ok         1.390 lok         1.330-1.450 los           Hexane         7.69         7.65         1.005 ok         1.005 lok         0.945-1.065 los           2-Hexanone         13.35         15.34 los         0.870 ok         0.872 los         0.812-0.932 los           Iodomethane         5.39 los         7.65 los         0.705 ok         0.705 los         0.645-0.765 los           Isopropylbenzene         17.81 los         15.34 los         1.161 ok         1.162 los         1.102-1.222 los           Isopropyl Alcohol         5.00 los         7.65 los         0.654 ok         0.656 los         0.596-0.716 los           p-Isopropyltoluene         20.26 los         15.34 los         1.321 los         1.261-1.381 los           Methylene chloride         5.57 los         7.65 los         0.728 los         0.668-0.788 los           Methyl Isobutyl Ketone         7.03 los         7.65 los         0.919 los         0.924 los         0.864-0.984 los           Methyl Tert Butyl Ether         6.69 los         7.65 los         0.875 los         0.818-0.938 los         0.818-0.938 los           Methylmethacrylate         10.92 los         9.82 los         1.112 los         1.115 los         1.055-1.175 los <td></td> <td>11.02</td> <td>9.82</td> <td>1.122</td> <td></td> <td></td> <td>1.062-1.182</td>		11.02	9.82	1.122			1.062-1.182
Hexane         7.69         7.65         1.005         ok         1.005         0.945-1.065           2-Hexanone         13.35         15.34         0.870         ok         0.872         0.812-0.932           Iodomethane         5.39         7.65         0.705         ok         0.705         0.645-0.765           Isopropylbenzene         17.81         15.34         1.161         ok         1.162         1.102-1.222           Isopropyl Alcohol         5.00         7.65         0.654         ok         0.656         0.596-0.716           p-Isopropyltoluene         20.26         15.34         1.321         ok         1.321         1.261-1.381           Methylene chloride         5.57         7.65         0.728         ok         0.728         0.668-0.788           Methyl tethyl ketone         7.03         7.65         0.919         ok         0.924         0.864-0.984           Methyl Tert Butyl Ether         6.69         7.65         0.875         ok         0.878         0.818-0.938           Methylmethacrylate         10.92         9.82         1.112         ok         1.115         1.055-1.175           Naphthalene         22.88         15.34         1.492         o	Hexachlorobutadiene	23.37	15.34	1.523	ok	1.524	1.464-1.584
2-Hexanone         13.35         15.34         0.870         ok         0.872         0.812-0.932           Iodomethane         5.39         7.65         0.705         ok         0.705         0.645-0.765           Isopropylbenzene         17.81         15.34         1.161         ok         1.162         1.102-1.222           Isopropyl Alcohol         5.00         7.65         0.654         ok         0.656         0.596-0.716           p-Isopropyltoluene         20.26         15.34         1.321         ok         1.321         1.261-1.381           Methylene chloride         5.57         7.65         0.728         ok         0.728         0.668-0.788           Methyl ethyl ketone         7.03         7.65         0.919         ok         0.924         0.864-0.984           Methyl Isobutyl Ketone         11.77         9.82         1.199         ok         1.201         1.141-1.261           Methyl Tert Butyl Ether         6.69         7.65         0.875         ok         0.878         0.818-0.938           Methylmethacrylate         10.92         9.82         1.112         ok         1.115         1.055-1.175           Naphthalene         22.88         15.34         1.492 <td>Hexachloroethane</td> <td>21.32</td> <td>15.34</td> <td>1.390</td> <td>ok</td> <td>1.390</td> <td>1.330-1.450</td>	Hexachloroethane	21.32	15.34	1.390	ok	1.390	1.330-1.450
Iodomethane         5.39         7.65         0.705         ok 0.705         0.645-0.765           Isopropylbenzene         17.81         15.34         1.161         ok 1.162         1.102-1.222           Isopropyl Alcohol         5.00         7.65         0.654         ok 0.656         0.596-0.716           p-Isopropyltoluene         20.26         15.34         1.321         ok 1.321         1.261-1.381           Methylene chloride         5.57         7.65         0.728         ok 0.728         0.668-0.788           Methyl ethyl ketone         7.03         7.65         0.919         ok 0.924         0.864-0.984           Methyl Isobutyl Ketone         11.77         9.82         1.199         ok 1.201         1.141-1.261           Methyl Tert Butyl Ether         6.69         7.65         0.875         ok 0.878         0.818-0.938           Methylmethacrylate         10.92         9.82         1.112         ok 1.115         1.055-1.175           Naphthalene         22.88         15.34         1.492         ok 1.493         1.433-1.553	Hexane	7.69	7.65	1.005	ok	1.005	0.945-1.065
Isopropylbenzene         17.81         15.34         1.161         ok         1.162         1.102-1.222           Isopropyl Alcohol         5.00         7.65         0.654         ok         0.656         0.596-0.716           p-Isopropyltoluene         20.26         15.34         1.321         ok         1.321         1.261-1.381           Methylene chloride         5.57         7.65         0.728         ok         0.728         0.668-0.788           Methyl ethyl ketone         7.03         7.65         0.919         ok         0.924         0.864-0.984           Methyl Isobutyl Ketone         11.77         9.82         1.199         ok         1.201         1.141-1.261           Methyl Tert Butyl Ether         6.69         7.65         0.875         ok         0.878         0.818-0.938           Methylmethacrylate         10.92         9.82         1.112         ok         1.115         1.055-1.175           Naphthalene         22.88         15.34         1.492         ok         1.493         1.433-1.553	2-Hexanone	13.35	15.34	0.870	ok	0.872	0.812-0.932
Isopropyl Alcohol         5.00         7.65         0.654         ok         0.656         0.596-0.716           p-Isopropyltoluene         20.26         15.34         1.321         ok         1.321         1.261-1.381           Methylene chloride         5.57         7.65         0.728         ok         0.728         0.668-0.788           Methyl ethyl ketone         7.03         7.65         0.919         ok         0.924         0.864-0.984           Methyl Isobutyl Ketone         11.77         9.82         1.199         ok         1.201         1.141-1.261           Methyl Tert Butyl Ether         6.69         7.65         0.875         ok         0.878         0.818-0.938           Methylmethacrylate         10.92         9.82         1.112         ok         1.115         1.055-1.175           Naphthalene         22.88         15.34         1.492         ok         1.493         1.433-1.553	Iodomethane			0.705			0.645-0.765
p-Isopropyltoluene         20.26         15.34         1.321         ok         1.321         1.261-1.381           Methylene chloride         5.57         7.65         0.728         ok         0.728         0.668-0.788           Methyl ethyl ketone         7.03         7.65         0.919         ok         0.924         0.864-0.984           Methyl Isobutyl Ketone         11.77         9.82         1.199         ok         1.201         1.141-1.261           Methyl Tert Butyl Ether         6.69         7.65         0.875         ok         0.878         0.818-0.938           Methylmethacrylate         10.92         9.82         1.112         ok         1.115         1.055-1.175           Naphthalene         22.88         15.34         1.492         ok         1.493         1.433-1.553	Isopropylbenzene	17.81	15.34	1.161	ok	1.162	1.102-1.222
Methylene chloride         5.57         7.65         0.728         ok 0.728         0.668-0.788           Methyl ethyl ketone         7.03         7.65         0.919         ok 0.924         0.864-0.984           Methyl Isobutyl Ketone         11.77         9.82         1.199         ok 1.201         1.141-1.261           Methyl Tert Butyl Ether         6.69         7.65         0.875         ok 0.878         0.818-0.938           Methylmethacrylate         10.92         9.82         1.112         ok 1.115         1.055-1.175           Naphthalene         22.88         15.34         1.492         ok 1.493         1.433-1.553	Isopropyl Alcohol	5.00	7.65	0.654	ok	0.656	0.596-0.716
Methyl ethyl ketone       7.03       7.65       0.919 ok 0.924       0.864-0.984         Methyl Isobutyl Ketone       11.77       9.82       1.199 ok 1.201       1.141-1.261         Methyl Tert Butyl Ether       6.69       7.65       0.875 ok 0.878       0.818-0.938         Methylmethacrylate       10.92       9.82       1.112 ok 1.115       1.055-1.175         Naphthalene       22.88       15.34       1.492 ok 1.493       1.433-1.553	p-Isopropyltoluene	20.26	15.34	1.321	ok	1.321	1.261-1.381
Methyl Isobutyl Ketone       11.77       9.82       1.199 ok 1.201       1.141-1.261         Methyl Tert Butyl Ether       6.69       7.65       0.875 ok 0.878       0.818-0.938         Methylmethacrylate       10.92       9.82       1.112 ok 1.115       1.055-1.175         Naphthalene       22.88       15.34       1.492 ok 1.493       1.433-1.553	Methylene chloride	5.57	7.65		ok	0.728	0.668-0.788
Methyl Tert Butyl Ether       6.69       7.65       0.875       ok 0.878       0.818-0.938         Methylmethacrylate       10.92       9.82       1.112       ok 1.115       1.055-1.175         Naphthalene       22.88       15.34       1.492       ok 1.493       1.433-1.553		7.03	7.65	0.919	ok	0.924	0.864-0.984
Methylmethacrylate         10.92         9.82         1.112 ok         1.115         1.055-1.175           Naphthalene         22.88         15.34         1.492 ok         1.493         1.433-1.553	Methyl Isobutyl Ketone	11.77	9.82	1.199	ok	1.201	1.141-1.261
Naphthalene 22.88 15.34 1.492 ok 1.493 1.433-1.553		6.69	7.65	0.875	ok	0.878	0.818-0.938
	Methylmethacrylate	10.92	9.82	1.112	ok	1.115	1.055-1.175
N 15 00 15 04 1 100 1 1 100 1 100 1 100	Naphthalene	22.88	15.34	1.492	ok	1.493	1.433-1.553
Nonane 17.30 15.34 1.128 ok 1.128 1.068-1.188	Nonane	17.30	15.34	1.128	ok	1.128	1.068-1.188
Octane 14.32 15.34 0.934 ok 0.934 0.874-0.994	Octane	14.32	15.34	0.934	ok	0.934	0.874-0.994
Pentane 5.21 7.65 0.681 ok 0.681 0.621-0.741	Pentane	5.21	7.65	0.681	ok	0.681	0.621-0.741
n-Propylbenzene 18.63 15.34 1.214 ok 1.215 1.155-1.275	n-Propylbenzene	18.63	15.34	1.214	ok	1.215	1.155-1.275

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# Initial Calibration Retention Time/Internal Standard Area Summary Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

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Sample Number	Lab File ID	Injected	$\mathbf{B}\mathbf{y}$	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT		RT Range06)	
Propylene	3.58	7.65	0.468 ok	0.468	0.40	08-0.528	
Styrene	16.75	15.34	1.092 ok	1.093	1.03	33-1.153	
1,1,1-Trichloroethane	8.86	7.65	1.158 ok	1.158	1.09	98-1.218	
1,1,1,2-Tetrachloroethane	15.38	15.34	1.003 ok	1.003	0.94	3-1.063	
1,1,2,2-Tetrachloroethane	16.90	15.34	1.102 ok	1.103	1.04	3-1.163	
1,1,2-Trichloroethane	12.60	9.82	1.283 ok	1.284	1.22	24-1.344	
1,2,4-Trichlorobenzene	23.22	15.34	1.514 ok	1.515	1.45	55-1.575	
1,2,3-Trichloropropane	17.09	15.34	1.114 ok	1.115	1.05	55-1.175	
1,2,3-Trimethylbenzene	20.23	15.34	1.319 ok	1.319	1.25	9-1.379	
1,2,4-Trimethylbenzene	19.62	15.34	1.279 ok	1.280	1.22	20-1.340	
1,3,5-Trimethylbenzene	19.01	15.34	1.239 ok	1.240	1.18	80-1.300	
2,2,4-Trimethylpentane	10.67	9.82	1.087 ok	1.087	1.02	27-1.147	
Tertiary Butyl Alcohol	5.52	7.65	0.722 ok	0.727	0.66	57-0.787	
Tetrachloroethylene	14.46	15.34	0.943 ok	0.943	0.88	33-1.003	
Tetrahydrofuran	8.22	7.65	1.075 ok	1.079	1.01	9-1.139	
Toluene	12.95	9.82	1.319 ok	1.319	1.25	9-1.379	
Trichloroethylene	10.64	9.82	1.084 ok	1.083	1.02	23-1.143	
Trichlorofluoromethane	4.92	7.65	0.643 ok	0.643	0.58	33-0.703	
Vinyl chloride	3.91	7.65	0.511 ok	0.511	0.45	51-0.571	
Vinyl Acetate	6.79	7.65	0.888 ok	0.888	0.82	28-0.948	
m,p-Xylene	16.23	15.34	1.058 ok	1.058	0.99	98-1.118	
o-Xylene	16.89	15.34	1.101 ok	1.102	1.04	2-1.162	
TVHC As Equiv Pentane	5.21	15.34	0.340 ok	0.340	0.28	80-0.400	
Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65 ok	7.65	7.32-7.98	422761	ok	443667	266200-621134
1,4-Difluorobenzene		9.82	9.49-10.15			1887207	1132324-2642090
Chlorobenzene-D5		15.34	15.01-15.6			1019287	611572-1427002

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# Initial Calibration Retention Time/Internal Standard Area Summary Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
Acetone (2-Propanone)	4.80	7.66	0.627	ok	0.629	0.569-0.689
Acrolein	4.69	7.66	0.612	ok	0.614	0.554-0.674
Acrylonitrile	5.18	7.66	0.676	ok	0.679	0.619-0.739
Acetonitrile	4.60	7.66	0.601	ok	0.602	0.542-0.662
1,3-Butadiene	4.01	7.66	0.523	ok	0.524	0.464-0.584
Benzene	9.38	9.82	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.90	15.34	1.167	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.28	15.34	1.061	ok	1.062	1.002-1.122
Bromomethane	4.21	7.66	0.550	ok	0.550	0.490-0.610
Bromoethene	4.60	7.66	0.601	ok	0.601	0.541-0.661
n-Butane	4.05	7.66	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.81	15.34	1.291	ok	1.292	1.232-1.352
n-Butylbenzene	20.85	15.34	1.359	ok	1.360	1.300-1.420
sec-Butylbenzene	20.01	15.34	1.304	ok	1.305	1.245-1.365
tert-Butylbenzene	19.61	15.34	1.278	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.66	0.761	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.34	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.66	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.66	0.565	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.66	0.469	ok	0.469	0.409-0.529
Chloroform	7.80	7.66	1.018	ok	1.019	0.959-1.079
Chloromethane	3.75	7.66	0.490	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.66	0.740	ok	0.741	0.681-0.801
2-Chlorotoluene	18.55	15.34	1.209	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.66	1.247	ok	1.248	1.188-1.308
Cyclohexane	9.69	9.82	0.987		0.986	0.926-1.046
1,1-Dichloroethane	6.63	7.66	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.46	7.66	0.713	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.82	15.34	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.66	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.82	1.324	ok	1.324	1.264-1.384
1,4-Dioxane	10.65	9.82	1.085	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.64	7.66	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.66	0.574	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.34	0.881		0.881	0.821-0.941
Dibromomethane	10.32	9.82	1.051		1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.66	0.839	ok	0.841	0.781-0.901

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# Initial Calibration Retention Time/Internal Standard Area Summary Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
cis-1,2-Dichloroethylene	7.48	7.66	0.977	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.72	9.82	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.34	1.292	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.40	15.34	1.330	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.92	15.34	1.299	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.40	9.82	1.263	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.69	7.66	1.004	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.82	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.66	1.129	ok	1.131	1.071-1.191
Ethanol	4.43	7.66	0.578	ok	0.579	0.519-0.639
Ethylbenzene	15.95	15.34	1.040	ok	1.041	0.981-1.101
Ethyl Acetate	7.72	7.66	1.008	ok	1.012	0.952-1.072
Ethyl Acrylate	10.40	9.82	1.059	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.34	1.231	ok	1.231	1.171-1.291
Freon 113	5.80	7.66	0.757	ok	0.758	0.698-0.818
Freon 114	3.82	7.66	0.499	ok	0.499	0.439-0.559
Freon 123	4.71	7.66	0.615	ok	0.616	0.556-0.676
Freon 123A	4.76	7.66	0.621	ok	0.622	0.562-0.682
Freon 142B	3.74	7.66	0.488	ok	0.489	0.429-0.549
Freon 152A	3.53	7.66	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122		1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.34	1.523		1.524	1.464-1.584
Hexachloroethane	21.32	15.34	1.390		1.390	1.330-1.450
Hexane	7.69	7.66	1.004		1.005	0.945-1.065
2-Hexanone	13.34	15.34	0.870		0.872	0.812-0.932
Iodomethane	5.40	7.66	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.81	15.34	1.161		1.162	1.102-1.222
Isopropyl Alcohol	5.00	7.66	0.653		0.656	0.596-0.716
p-Isopropyltoluene	20.26	15.34	1.321		1.321	1.261-1.381
Methylene chloride	5.57	7.66	0.727		0.728	0.668-0.788
Methyl ethyl ketone	7.03	7.66	0.918		0.924	0.864-0.984
Methyl Isobutyl Ketone	11.77	9.82	1.199		1.201	1.141-1.261
Methyl Tert Butyl Ether	6.68	7.66	0.872		0.878	0.818-0.938
Methylmethacrylate	10.92	9.82	1.112		1.115	1.055-1.175
Naphthalene	22.88	15.34	1.492		1.493	1.433-1.553
Nonane	17.31	15.34	1.128		1.128	1.068-1.188
Octane	14.32	15.34	0.934		0.934	0.874-0.994
Pentane	5.21	7.66	0.680		0.681	0.621-0.741
n-Propylbenzene	18.63	15.34	1.214	ok	1.215	1.155-1.275

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT		RT Range06)	
Propylene	3.58	7.66	0.467 ok	0.468	0.40	08-0.528	
Styrene	16.75	15.34	1.092 ok	1.093	1.03	33-1.153	
1,1,1-Trichloroethane	8.86	7.66	1.157 ok	1.158	1.09	98-1.218	
1,1,1,2-Tetrachloroethane	15.38	15.34	1.003 ok	1.003	0.94	13-1.063	
1,1,2,2-Tetrachloroethane	16.90	15.34	1.102 ok	1.103	1.04	13-1.163	
1,1,2-Trichloroethane	12.61	9.82	1.284 ok	1.284	1.22	24-1.344	
1,2,4-Trichlorobenzene	23.22	15.34	1.514 ok	1.515	1.45	55-1.575	
1,2,3-Trichloropropane	17.09	15.34	1.114 ok	1.115	1.05	55-1.175	
1,2,3-Trimethylbenzene	20.23	15.34	1.319 ok	1.319	1.25	59-1.379	
1,2,4-Trimethylbenzene	19.62	15.34	1.279 ok	1.280	1.22	20-1.340	
1,3,5-Trimethylbenzene	19.01	15.34	1.239 ok	1.240	1.18	30-1.300	
2,2,4-Trimethylpentane	10.67	9.82	1.087 ok	1.087	1.02	27-1.147	
Tertiary Butyl Alcohol	5.52	7.66	0.721 ok	0.727	0.66	57-0.787	
Tetrachloroethylene	14.46	15.34	0.943 ok	0.943	0.88	33-1.003	
Tetrahydrofuran	8.21	7.66	1.072 ok	1.079	1.01	19-1.139	
Toluene	12.95	9.82	1.319 ok	1.319	1.25	59-1.379	
Trichloroethylene	10.64	9.82	1.084 ok	1.083	1.02	23-1.143	
Trichlorofluoromethane	4.92	7.66	0.642 ok	0.643	0.58	33-0.703	
Vinyl chloride	3.91	7.66	0.510 ok	0.511	0.45	51-0.571	
Vinyl Acetate	6.79	7.66	0.886 ok	0.888	0.82	28-0.948	
m,p-Xylene	16.23	15.34	1.058 ok	1.058	0.99	98-1.118	
o-Xylene	16.89	15.34	1.101 ok	1.102	1.04	12-1.162	
TVHC As Equiv Pentane	5.21	15.34	0.340 ok	0.340	0.28	80-0.400	
Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66 ok	7.65	7.32-7.98	434526	ok	443667	266200-621134
1,4-Difluorobenzene		9.82	9.49-10.15			1887207	1132324-2642090
Chlorobenzene-D5		15.34	15.01-15.6			1019287	611572-1427002

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	-
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
Acetone (2-Propanone)	4.80	7.66	0.627	ok	0.629	0.569-0.689
Acrolein	4.70	7.66	0.614	ok	0.614	0.554-0.674
Acrylonitrile	5.19	7.66	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.60	7.66	0.601	ok	0.602	0.542-0.662
1,3-Butadiene	4.01	7.66	0.523	ok	0.524	0.464-0.584
Benzene	9.39	9.83	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.34	1.168	ok	1.168	1.108-1.228
Bromodichloromethane	10.60	9.83	1.078	ok	1.078	1.018-1.138
Bromoform	16.29	15.34	1.062	ok	1.062	1.002-1.122
Bromomethane	4.21	7.66	0.550	ok	0.550	0.490-0.610
Bromoethene	4.60	7.66	0.601	ok	0.601	0.541-0.661
n-Butane	4.05	7.66	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.82	15.34	1.292	ok	1.292	1.232-1.352
n-Butylbenzene	20.86	15.34	1.360	ok	1.360	1.300-1.420
sec-Butylbenzene	20.02	15.34	1.305	ok	1.305	1.245-1.365
tert-Butylbenzene	19.62	15.34	1.279	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.66	0.761	ok	0.762	0.702 - 0.822
Chlorobenzene	15.41	15.34	1.005	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.66	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.66	0.565	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.66	0.469	ok	0.469	0.409-0.529
Chloroform	7.80	7.66	1.018	ok	1.019	0.959-1.079
Chloromethane	3.75	7.66	0.490	ok	0.490	0.430-0.550
3-Chloropropene	5.68	7.66	0.742		0.741	0.681-0.801
2-Chlorotoluene	18.55	15.34	1.209		1.209	1.149-1.269
Carbon tetrachloride	9.55	7.66	1.247		1.248	1.188-1.308
Cyclohexane	9.69	9.83	0.986		0.986	0.926-1.046
1,1-Dichloroethane	6.63	7.66	0.866		0.867	0.807-0.927
1,1-Dichloroethylene	5.47	7.66	0.714	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.82	15.34	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.66	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.83	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.83	1.322		1.324	1.264-1.384
1,4-Dioxane	10.65	9.83	1.083	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.64	7.66	0.475		0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.66	0.574		0.575	0.515-0.635
Dibromochloromethane	13.51	15.34	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.33	9.83	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.66	0.839	ok	0.841	0.781-0.901

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	Ву	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	· -
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

<b>Target Compound</b>	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
cis-1,2-Dichloroethylene	7.49	7.66	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.72	9.83	1.192	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.34	1.292	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.41	15.34	1.331	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.93	15.34	1.299	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.40	9.83	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.70	7.66	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.83	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.66	1.129	ok	1.131	1.071-1.191
Ethanol	4.44	7.66	0.580	ok	0.579	0.519-0.639
Ethylbenzene	15.96	15.34	1.040	ok	1.041	0.981-1.101
Ethyl Acetate	7.73	7.66	1.009	ok	1.012	0.952-1.072
Ethyl Acrylate	10.40	9.83	1.058	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.34	1.231	ok	1.231	1.171-1.291
Freon 113	5.80	7.66	0.757	ok	0.758	0.698-0.818
Freon 114	3.83	7.66	0.500	ok	0.499	0.439-0.559
Freon 123	4.72	7.66	0.616	ok	0.616	0.556-0.676
Freon 123A	4.76	7.66	0.621	ok	0.622	0.562-0.682
Freon 142B	3.74	7.66	0.488		0.489	0.429-0.549
Freon 152A	3.53	7.66	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.83	1.121	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.34	1.523	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.34	1.390	ok	1.390	1.330-1.450
Hexane	7.69	7.66	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.35	15.34	0.870		0.872	0.812-0.932
Iodomethane	5.40	7.66	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.82	15.34	1.162	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.01	7.66	0.654		0.656	0.596-0.716
p-Isopropyltoluene	20.27	15.34	1.321		1.321	1.261-1.381
Methylene chloride	5.58	7.66	0.728		0.728	0.668-0.788
Methyl ethyl ketone	7.03	7.66	0.918		0.924	0.864-0.984
Methyl Isobutyl Ketone	11.77	9.83	1.197		1.201	1.141-1.261
Methyl Tert Butyl Ether	6.68	7.66	0.872	ok	0.878	0.818-0.938
Methylmethacrylate	10.93	9.83	1.112	ok	1.115	1.055-1.175
Naphthalene	22.89	15.34	1.492	ok	1.493	1.433-1.553
Nonane	17.31	15.34	1.128		1.128	1.068-1.188
Octane	14.32	15.34	0.934	ok	0.934	0.874-0.994
Pentane	5.22	7.66	0.681		0.681	0.621-0.741
n-Propylbenzene	18.64	15.34	1.215	ok	1.215	1.155-1.275

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

<b>Target Compound</b>	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT		RT Range06)	
Propylene	3.58	7.66	0.467	ok	0.468	0.40	08-0.528	
Styrene	16.75	15.34	1.092	ok	1.093	1.03	33-1.153	
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.158	1.09	98-1.218	
1,1,1,2-Tetrachloroethane	15.39	15.34	1.003	ok	1.003	0.94	13-1.063	
1,1,2,2-Tetrachloroethane	16.91	15.34	1.102	ok	1.103	1.04	13-1.163	
1,1,2-Trichloroethane	12.61	9.83	1.283	ok	1.284	1.22	24-1.344	
1,2,4-Trichlorobenzene	23.23	15.34	1.514	ok	1.515	1.45	55-1.575	
1,2,3-Trichloropropane	17.10	15.34	1.115	ok	1.115	1.05	55-1.175	
1,2,3-Trimethylbenzene	20.24	15.34	1.319	ok	1.319	1.25	59-1.379	
1,2,4-Trimethylbenzene	19.63	15.34	1.280	ok	1.280	1.22	20-1.340	
1,3,5-Trimethylbenzene	19.01	15.34	1.239 c	ok	1.240	1.18	30-1.300	
2,2,4-Trimethylpentane	10.68	9.83	1.086	ok	1.087	1.02	27-1.147	
Tertiary Butyl Alcohol	5.52	7.66	0.721	ok	0.727	0.66	67-0.787	
Tetrachloroethylene	14.46	15.34	0.943	ok	0.943	0.88	33-1.003	
Tetrahydrofuran	8.21	7.66	1.072	ok	1.079	1.01	19-1.139	
Toluene	12.95	9.83	1.317	ok	1.319	1.25	59-1.379	
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.02	23-1.143	
Trichlorofluoromethane	4.92	7.66	0.642	ok	0.643	0.58	33-0.703	
Vinyl chloride	3.91	7.66	0.510	ok	0.511	0.45	51-0.571	
Vinyl Acetate	6.79	7.66	0.886	ok	0.888	0.82	28-0.948	
m,p-Xylene	16.24	15.34	1.059	ok	1.058	0.99	98-1.118	
o-Xylene	16.90	15.34	1.102	ok	1.102	1.04	12-1.162	
TVHC As Equiv Pentane	5.21	15.34	0.340	ok	0.340	0.28	80-0.400	
Internal Standard	RT (min.)	Mean RT(min.)	RT Rang (+ /- 0.33	-	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66 ok	7.65	7.32-7.98	3	463457	ok	443667	266200-621134
1,4-Difluorobenzene	9.83 ok	9.82	9.49-10.1	15	1816263	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.34 ok	15.34	15.01-15	.67	1233579	ok	1019287	611572-1427002

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	-

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
Acetone (2-Propanone)	4.80	7.66	0.627	ok	0.629	0.569-0.689
Acrolein	4.70	7.66	0.614	ok	0.614	0.554-0.674
Acrylonitrile	5.19	7.66	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.60	7.66	0.601	ok	0.602	0.542-0.662
1,3-Butadiene	4.01	7.66	0.523	ok	0.524	0.464-0.584
Benzene	9.39	9.83	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.168	1.108-1.228
Bromodichloromethane	10.60	9.83	1.078	ok	1.078	1.018-1.138
Bromoform	16.30	15.35	1.062	ok	1.062	1.002-1.122
Bromomethane	4.21	7.66	0.550	ok	0.550	0.490-0.610
Bromoethene	4.60	7.66	0.601	ok	0.601	0.541-0.661
n-Butane	4.05	7.66	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.82	15.35	1.291	ok	1.292	1.232-1.352
n-Butylbenzene	20.86	15.35	1.359	ok	1.360	1.300-1.420
sec-Butylbenzene	20.02	15.35	1.304	ok	1.305	1.245-1.365
tert-Butylbenzene	19.62	15.35	1.278	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.66	0.761	ok	0.762	0.702-0.822
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.66	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.66	0.565	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.66	0.469	ok	0.469	0.409-0.529
Chloroform	7.80	7.66	1.018	ok	1.019	0.959-1.079
Chloromethane	3.75	7.66	0.490	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.66	0.740	ok	0.741	0.681-0.801
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.66	1.247	ok	1.248	1.188-1.308
Cyclohexane	9.69	9.83	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.64	7.66	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.46	7.66	0.713	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.82	15.35	0.900	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.66	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.83	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.83	1.322	ok	1.324	1.264-1.384
1,4-Dioxane	10.65	9.83	1.083	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.64	7.66	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.66	0.574	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.35	0.880	ok	0.881	0.821-0.941
Dibromomethane	10.33	9.83	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.66	0.839	ok	0.841	0.781-0.901

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	Ву	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
cis-1,2-Dichloroethylene	7.49	7.66	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.83	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.93	15.35	1.298	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.40	9.83	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.70	7.66	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.83	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.66	1.129	ok	1.131	1.071-1.191
Ethanol	4.44	7.66	0.580	ok	0.579	0.519-0.639
Ethylbenzene	15.96	15.35	1.040	ok	1.041	0.981-1.101
Ethyl Acetate	7.73	7.66	1.009	ok	1.012	0.952-1.072
Ethyl Acrylate	10.40	9.83	1.058	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.35	1.230	ok	1.231	1.171-1.291
Freon 113	5.80	7.66	0.757	ok	0.758	0.698-0.818
Freon 114	3.82	7.66	0.499	ok	0.499	0.439-0.559
Freon 123	4.71	7.66	0.615	ok	0.616	0.556-0.676
Freon 123A	4.76	7.66	0.621	ok	0.622	0.562-0.682
Freon 142B	3.74	7.66	0.488	ok	0.489	0.429-0.549
Freon 152A	3.53	7.66	0.461	ok	0.461	0.401-0.521
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.35	1.389	ok	1.390	1.330-1.450
Hexane	7.69	7.66	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.35	15.35	0.870		0.872	0.812-0.932
Iodomethane	5.40	7.66	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.82	15.35	1.161	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.01	7.66	0.654	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.27	15.35	1.321		1.321	1.261-1.381
Methylene chloride	5.58	7.66	0.728		0.728	0.668-0.788
Methyl ethyl ketone	7.03	7.66	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.77	9.83	1.197	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.68	7.66	0.872	ok	0.878	0.818-0.938
Methylmethacrylate	10.93	9.83	1.112	ok	1.115	1.055-1.175
Naphthalene	22.89	15.35	1.491	ok	1.493	1.433-1.553
Nonane	17.32	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.21	7.66	0.680		0.681	0.621-0.741
n-Propylbenzene	18.64	15.35	1.214	ok	1.215	1.155-1.275

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	-

<b>Target Compound</b>	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT		RT Range06)	
Propylene	3.58	7.66	0.467 ok	0.468	0.40	08-0.528	
Styrene	16.75	15.35	1.091 ok	1.093	1.03	33-1.153	
1,1,1-Trichloroethane	8.87	7.66	1.158 ok	1.158	1.09	98-1.218	
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003 ok	1.003	0.94	13-1.063	
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102 ok	1.103	1.04	13-1.163	
1,1,2-Trichloroethane	12.61	9.83	1.283 ok	1.284	1.22	24-1.344	
1,2,4-Trichlorobenzene	23.23	15.35	1.513 ok	1.515	1.45	55-1.575	
1,2,3-Trichloropropane	17.10	15.35	1.114 ok	1.115	1.05	55-1.175	
1,2,3-Trimethylbenzene	20.24	15.35	1.319 ok	1.319	1.25	59-1.379	
1,2,4-Trimethylbenzene	19.64	15.35	1.279 ok	1.280	1.22	20-1.340	
1,3,5-Trimethylbenzene	19.02	15.35	1.239 ok	1.240	1.18	30-1.300	
2,2,4-Trimethylpentane	10.68	9.83	1.086 ok	1.087	1.02	27-1.147	
Tertiary Butyl Alcohol	5.52	7.66	0.721 ok	0.727	0.66	57-0.787	
Tetrachloroethylene	14.47	15.35	0.943 ok	0.943	0.88	33-1.003	
Tetrahydrofuran	8.21	7.66	1.072 ok	1.079	1.01	19-1.139	
Toluene	12.95	9.83	1.317 ok	1.319	1.25	59-1.379	
Trichloroethylene	10.65	9.83	1.083 ok	1.083	1.02	23-1.143	
Trichlorofluoromethane	4.92	7.66	0.642 ok	0.643	0.58	33-0.703	
Vinyl chloride	3.91	7.66	0.510 ok	0.511	0.45	51-0.571	
Vinyl Acetate	6.79	7.66	0.886 ok	0.888	0.82	28-0.948	
m,p-Xylene	16.24	15.35	1.058 ok	1.058	0.99	98-1.118	
o-Xylene	16.91	15.35	1.102 ok	1.102	1.04	12-1.162	
TVHC As Equiv Pentane	5.21	15.35	0.339 ok	0.340	0.28	80-0.400	
Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)			Mean Area	Area Range (+ /- 40 %)
Bromochloromethane		7.65	7.32-7.98	497435	ok	443667	266200-621134
1,4-Difluorobenzene	9.83 ok	9.82	9.49-10.15	1886774	4 ok	1887207	1132324-2642090
Chlorobenzene-D5	15.35 ok	15.34	15.01-15.6	1356790	) ok	1019287	611572-1427002

#### Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$ Page 25 of 54

Account:

SESINJPB SESI Consulting Engineers Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

Sample Number	Lab File ID	Injected	Ву	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
Acetone (2-Propanone)	4.82	7.64	0.631	ok	0.629	0.569-0.689
Acrolein	4.70	7.64	0.615	ok	0.614	0.554-0.674
Acrylonitrile	5.20	7.64	0.681	ok	0.679	0.619-0.739
Acetonitrile	4.61	7.64	0.603	ok	0.602	0.542-0.662
1,3-Butadiene	4.00	7.64	0.524	ok	0.524	0.464-0.584
Benzene	9.38	9.82	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.33	1.168	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.29	15.33	1.063	ok	1.062	1.002-1.122
Bromomethane	4.21	7.64	0.551	ok	0.550	0.490-0.610
Bromoethene	4.60	7.64	0.602	ok	0.601	0.541-0.661
n-Butane	4.04	7.64	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.81	15.33	1.292	ok	1.292	1.232-1.352
n-Butylbenzene	20.85	15.33	1.360	ok	1.360	1.300-1.420
sec-Butylbenzene	20.01	15.33	1.305	ok	1.305	1.245-1.365
tert-Butylbenzene	19.60	15.33	1.279	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.64	0.763	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.33	1.005	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.64	0.466	ok	0.465	0.405-0.525
Chloroethane	4.33	7.64	0.567	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.58	7.64	0.469	ok	0.469	0.409-0.529
Chloroform	7.79	7.64	1.020	ok	1.019	0.959-1.079
Chloromethane	3.75	7.64	0.491	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.64	0.742	ok	0.741	0.681-0.801
2-Chlorotoluene	18.55	15.33	1.210	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.64	1.250	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.62	7.64	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.45	7.64	0.713	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.82	15.33	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.64	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.82	1.324	ok	1.324	1.264-1.384
1,4-Dioxane	10.73	9.82	1.093	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.63	7.64	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.64	0.576	ok	0.575	0.515-0.635
Dibromochloromethane	13.50	15.33	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.32	9.82	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.64	0.842	ok	0.841	0.781-0.901

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
cis-1,2-Dichloroethylene	7.47	7.64	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.82	1.195	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.33	1.293	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.41	15.33	1.331	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.92	15.33	1.299	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.41	9.82	1.264	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.64	1.010	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.98	9.82	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.64	1.132	ok	1.131	1.071-1.191
Ethanol	4.44	7.64	0.581	ok	0.579	0.519-0.639
Ethylbenzene	15.96	15.33	1.041	ok	1.041	0.981-1.101
Ethyl Acetate	7.77	7.64	1.017	ok	1.012	0.952-1.072
Ethyl Acrylate	10.45	9.82	1.064	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.33	1.232	ok	1.231	1.171-1.291
Freon 113	5.80	7.64	0.759	ok	0.758	0.698-0.818
Freon 114	3.82	7.64	0.500	ok	0.499	0.439-0.559
Freon 123	4.71	7.64	0.616	ok	0.616	0.556-0.676
Freon 123A	4.76	7.64	0.623	ok	0.622	0.562-0.682
Freon 142B	3.74	7.64	0.490	ok	0.489	0.429-0.549
Freon 152A	3.52	7.64	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.33	1.524	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.33	1.391	ok	1.390	1.330-1.450
Hexane	7.69	7.64	1.007		1.005	0.945-1.065
2-Hexanone	13.41	15.33	0.875		0.872	0.812-0.932
Iodomethane	5.39	7.64	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.81	15.33	1.162	ok		1.102-1.222
Isopropyl Alcohol	5.04	7.64	0.660		0.656	0.596-0.716
p-Isopropyltoluene	20.26	15.33	1.322	ok	1.321	1.261-1.381
Methylene chloride	5.56	7.64	0.728		0.728	0.668-0.788
Methyl ethyl ketone	7.09	7.64	0.928		0.924	0.864-0.984
Methyl Isobutyl Ketone	11.84	9.82	1.206	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.73	7.64	0.881	ok	0.878	0.818-0.938
Methylmethacrylate	10.96	9.82	1.116	ok		1.055-1.175
Naphthalene	22.89	15.33	1.493		1.493	1.433-1.553
Nonane	17.30	15.33	1.129		1.128	1.068-1.188
Octane	14.33	15.33	0.935	ok	0.934	0.874-0.994
Pentane	5.20	7.64	0.681		0.681	0.621-0.741
n-Propylbenzene	18.64	15.33	1.216	ok	1.215	1.155-1.275

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	Reporting this level

<b>Target Compound</b>	RT (min.)		Istd RT (min.)	Rel RT		Mean Rel RT		RT Range06)	
Propylene	3.58		7.64	0.469	ok	0.468	0.40	08-0.528	
Styrene	16.75		15.33	1.093	ok	1.093	1.033-1.153		
1,1,1-Trichloroethane	8.86		7.64	1.160	ok	1.158	1.09	1.098-1.218	
1, 1, 1, 2-Tetrachloroethane	15.38		15.33	1.003	ok	1.003	0.94	3-1.063	
1,1,2,2-Tetrachloroethane	16.91		15.33	1.103	ok	1.103	1.04	3-1.163	
1,1,2-Trichloroethane	12.61		9.82	1.284	ok	1.284	1.22	24-1.344	
1,2,4-Trichlorobenzene	23.23		15.33	1.515	ok	1.515	1.45	55-1.575	
1,2,3-Trichloropropane	17.10		15.33	1.115	ok	1.115	1.05	55-1.175	
1,2,3-Trimethylbenzene	20.23		15.33	1.320	ok	1.319	1.25	9-1.379	
1,2,4-Trimethylbenzene	19.62		15.33	1.280	ok	1.280	1.22	20-1.340	
1,3,5-Trimethylbenzene	19.01		15.33	1.240	ok	1.240	1.180-1.300		
2,2,4-Trimethylpentane	10.67		9.82	1.087	ok	1.087	1.027-1.147		
Tertiary Butyl Alcohol	5.58		7.64	0.730	ok	0.727	0.66	57-0.787	
Tetrachloroethylene	14.45		15.33	0.943	ok	0.943	0.883-1.003		
Tetrahydrofuran	8.29		7.64	1.085	ok	1.079	1.01	9-1.139	
Toluene	12.95		9.82	1.319	ok	1.319	1.25	9-1.379	
Trichloroethylene	10.64		9.82	1.084	ok	1.083	1.02	23-1.143	
Trichlorofluoromethane	4.92		7.64	0.644	ok	0.643	0.58	33-0.703	
Vinyl chloride	3.91		7.64	0.512	ok	0.511	0.45	51-0.571	
Vinyl Acetate	6.81		7.64	0.891	ok	0.888	0.82	28-0.948	
m,p-Xylene	16.23		15.33	1.059	ok	1.058	0.99	98-1.118	
o-Xylene	16.90		15.33	1.102	ok	1.102	1.04	2-1.162	
TVHC As Equiv Pentane	5.20		15.33	0.339	ok	0.340	0.28	80-0.400	
	RT		Mean	RT Ra	nge			Mean	Area Range
Internal Standard	(min.)		RT(min.)	(+ /- 0	.33)	Area		Area	(+ / <b>- 40 %</b> )
Bromochloromethane	7.64	ok	7.65	7.32-7	.98	456086	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-1	0.15	2018572	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.33	ok	15.34	15.01-	15.67	942297	ok	1019287	611572-1427002

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# Initial Calibration Retention Time/Internal Standard Area Summary Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	Ву	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /06)
Acetone (2-Propanone)	2.10	3.22	0.652 ol	0.652	0.592-0.712
Acrolein	2.06	3.22	0.640 ol	0.640	0.580-0.700
Acrylonitrile	2.24	3.22	0.696 ol	0.695	0.635-0.755
Acetonitrile	2.03	3.22	0.630 ol	0.628	0.568-0.688
1,3-Butadiene	1.81	3.22	0.562 ol	0.561	0.501-0.621
Benzene	4.17	3.22	1.295 ol	1.292	1.232-1.352
Bromobenzene	13.72	10.03	1.368 ol	1.368	1.308-1.428
Bromodichloromethane	5.00	4.49	1.114 ol	1.114	1.054-1.174
Bromoform	11.23	10.03	1.120 ol	1.119	1.059-1.179
Bromomethane	1.88	3.22	0.584 ol	0.584	0.524-0.644
Bromoethene	2.03	3.22	0.630 ol	0.629	0.569-0.689
n-Butane	1.82	3.22	0.565 ol	0.565	0.505-0.625
Benzyl Chloride	16.63	10.03	1.658 ol	1.657	1.597-1.717
n-Butylbenzene	17.40	10.03	1.735 ol	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679 ol	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.03	1.648 ol	1.647	1.587-1.707
Carbon disulfide	2.49	3.22	0.773 ol	0.772	0.712-0.832
Chlorobenzene	10.10	10.03	1.007 ol	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.22	0.509 ol	0.508	0.448-0.568
Chloroethane	1.93	3.22		0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.22	0.512 ol	0.511	0.451-0.571
Chloroform	3.29	3.22		1.022	0.962-1.082
Chloromethane	1.71	3.22		0.530	0.470-0.590
3-Chloropropene	2.43	3.22		0.756	0.696-0.816
2-Chlorotoluene	14.84	10.03		1.480	1.420-1.540
Carbon tetrachloride	4.28	3.22		1.326	1.266-1.386
Cyclohexane	4.37	4.49		0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.22		0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.22		0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.05	4.49		1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.22		1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49		1.075	1.015-1.135
1,3-Dichloropropane	7.24	4.49		1.613	1.553-1.673
1,4-Dioxane	5.23	4.49		1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.22		0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.22		0.607	0.547-0.667
Dibromochloromethane	7.72	4.49		1.718	1.658-1.778
Dibromomethane	4.79	4.49		1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.22	0.845 ol	0.843	0.783-0.903

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# Initial Calibration Retention Time/Internal Standard Area Summary Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	Ву	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
cis-1,2-Dichloroethylene	3.15	3.22	0.978	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.49	1.486	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.29	3.22	1.022	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.78	3.22	1.174	ok	1.173	1.113-1.233
Ethanol	1.97	3.22	0.612	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.30	3.22	1.025	ok	1.020	0.960-1.080
Ethyl Acrylate	4.97	4.49	1.107	ok	1.104	1.044-1.164
4-Ethyltoluene	15.65	10.03	1.560	ok	1.559	1.499-1.619
Freon 113	2.49	3.22	0.773	ok	0.772	0.712-0.832
Freon 114	1.74	3.22	0.540	ok	0.539	0.479-0.599
Freon 115	1.60	3.22	0.497	ok	0.496	0.436-0.556
Freon 123	2.07	3.22	0.643	ok	0.642	0.582-0.702
Freon 123A	2.09	3.22	0.649	ok	0.648	0.588-0.708
Freon 142B	1.70	3.22	0.528	ok	0.528	0.468-0.588
Freon 152A	1.63	3.22	0.506	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.58	10.03	1.753	ok	1.751	1.691-1.811
Hexane	3.28	3.22	1.019	ok	1.015	0.955-1.075
2-Hexanone	7.82	4.49	1.742		1.734	1.674-1.794
Iodomethane	2.33	3.22	0.724	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.03	1.382	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.19	3.22	0.680	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.22	0.745	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.97	3.22	0.922	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.13	4.49	1.365	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.83	3.22	0.879	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.38	10.03	1.833	ok	1.831	1.771-1.891
Nonane	13.46	10.03	1.342	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018		2.017	1.957-2.077
Pentane	2.27	3.22	0.705	ok	0.703	0.643-0.763

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#### Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	Ву	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

<b>Target Compound</b>	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /06)	
n-Propylbenzene	15.20	10.03	1.515 ok	1.515	1.455-1.575	
Propylene	1.65	3.22	0.512 ok	0.511	0.451-0.571	
Styrene	12.15	10.03	1.211 ok	1.210	1.150-1.270	
1,1,1-Trichloroethane	3.87	3.22	1.202 ok	1.198	1.138-1.258	
1,1,1,2-Tetrachloroethane	10.11	10.03	1.008 ok	1.009	0.949-1.069	
1,1,2,2-Tetrachloroethane	12.35	10.03	1.231 ok	1.232	1.172-1.292	
1,1,2-Trichloroethane	6.83	4.49	1.521 ok	1.519	1.459-1.579	
1,2,4-Trichlorobenzene	18.32	10.03	1.827 ok	1.826	1.766-1.886	
1,2,3-Trichloropropane	12.64	10.03	1.260 ok	1.260	1.200-1.320	
1,2,3-Trimethylbenzene	16.96	10.03	1.691 ok	1.690	1.630-1.750	
1,2,4-Trimethylbenzene	16.53	10.03	1.648 ok	1.648	1.588-1.708	
1,3,5-Trimethylbenzene	15.91	10.03	1.586 ok	1.586	1.526-1.646	
2,2,4-Trimethylpentane	5.15	4.49	1.147 ok	1.148	1.088-1.208	
Tertiary Butyl Alcohol	2.40	3.22	0.745 ok	0.740	0.680 - 0.800	
Tetrachloroethylene	8.90	4.49	1.982 ok	1.982	1.922-2.042	
Tetrahydrofuran	3.54	3.22	1.099 ok	1.091	1.031-1.151	
Toluene	7.19	4.49	1.601 ok	1.600	1.540-1.660	
Trichloroethylene	5.06	4.49	1.127 ok	1.127	1.067-1.187	
Trichlorofluoromethane	2.16	3.22	0.671 ok	0.669	0.609-0.729	
Vinyl chloride	1.77	3.22	0.550 ok	0.548	0.488 - 0.608	
Vinyl Acetate	2.86	3.22	0.888 ok	0.887	0.827-0.947	
m,p-Xylene	11.42	10.03	1.139 ok	1.138	1.078-1.198	
o-Xylene	12.35	10.03	1.231 ok	1.231	1.171-1.291	
TVHC As Equiv Pentane	2.27	10.03	0.226 ok	0.226	0.166-0.286	
Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.22 ok	3.23	2.90-3.56	135115	ok 131593	78956-184230
1,4-Difluorobenzene		4.49	4.16-4.82	681342	ok 662398	397439-927357
Chlorobenzene-D5		10.03	9.70-10.36		ok 618891	371335-866447

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	Ву	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

<b>Target Compound</b>	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
Acetone (2-Propanone)	2.11	3.22	0.655	ok	0.652	0.592-0.712
Acrolein	2.07	3.22	0.643	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.22	0.696	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.22	0.630	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.22	0.562	ok	0.561	0.501-0.621
Benzene	4.17	3.22	1.295	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.03	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.00	4.49	1.114	ok	1.114	1.054-1.174
Bromoform	11.23	10.03	1.120	ok	1.119	1.059-1.179
Bromomethane	1.89	3.22	0.587	ok	0.584	0.524-0.644
Bromoethene	2.03	3.22	0.630	ok	0.629	0.569-0.689
n-Butane	1.83	3.22	0.568	ok	0.565	0.505-0.625
Benzyl Chloride	16.62	10.03	1.657	ok	1.657	1.597-1.717
n-Butylbenzene	17.39	10.03	1.734	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.03	1.648	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.22	0.773	ok	0.772	0.712-0.832
Chlorobenzene	10.10	10.03	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.22	0.509	ok	0.508	0.448-0.568
Chloroethane	1.93	3.22	0.599	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.22	0.512	ok	0.511	0.451-0.571
Chloroform	3.30	3.22	1.025	ok	1.022	0.962-1.082
Chloromethane	1.71	3.22	0.531	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.22	0.758	ok	0.756	0.696-0.816
2-Chlorotoluene	14.85	10.03	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.22	1.329	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.49	0.976	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.22	0.866	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.22	0.733	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.05	4.49	1.793	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.22	1.149	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.24	4.49	1.612	ok	1.613	1.553-1.673
1,4-Dioxane	5.17	4.49	1.151	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.22	0.519	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.22	0.609	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.78	4.49	1.065	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.22	0.845	ok	0.843	0.783-0.903

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /06)
cis-1,2-Dichloroethylene	3.15	3.22	0.978 c	ok 0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok 1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655 c	ok 1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696 c	ok 1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok 1.663	1.603-1.723
trans-1,3-Dichloropropene	6.66	4.49	1.483 c	ok 1.484	1.424-1.544
Di-Isopropyl ether	3.29	3.22	1.022 c	ok 1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031 c	ok 1.030	0.970-1.090
2,4-Dimethylpentane	3.78	3.22	1.174 c	ok 1.173	1.113-1.233
Ethanol	1.97	3.22	0.612	ok 0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096 c	ok 1.095	1.035-1.155
Ethyl Acetate	3.30	3.22	1.025 c	ok 1.020	0.960-1.080
Ethyl Acrylate	4.96	4.49	1.105 c	ok 1.104	1.044-1.164
4-Ethyltoluene	15.64	10.03	1.559 c	ok 1.559	1.499-1.619
Freon 113	2.49	3.22	0.773 c	ok 0.772	0.712-0.832
Freon 114	1.74	3.22	0.540	ok 0.539	0.479-0.599
Freon 115	1.60	3.22	0.497 c	ok 0.496	0.436-0.556
Freon 123	2.08	3.22	0.646	ok 0.642	0.582-0.702
Freon 123A	2.09	3.22	0.649	ok 0.648	0.588-0.708
Freon 142B	1.71	3.22	0.531	ok 0.528	0.468-0.588
Freon 152A	1.63	3.22	0.506	ok 0.504	0.444-0.564
Heptane	5.46	4.49	1.216 c	ok 1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857 c	ok 1.857	1.797-1.917
Hexachloroethane	17.57	10.03	1.752 c	ok 1.751	1.691-1.811
Hexane	3.27	3.22	1.016 c	ok 1.015	0.955-1.075
2-Hexanone	7.80	4.49	1.737 c	ok 1.734	1.674-1.794
Iodomethane	2.33	3.22	0.724	ok 0.722	0.662-0.782
Isopropylbenzene	13.85	10.03	1.381 c	ok 1.381	1.321-1.441
Isopropyl Alcohol	2.19	3.22	0.680 c	ok 0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698 c	ok 1.697	1.637-1.757
Methylene chloride	2.39	3.22	0.742	ok 0.743	0.683-0.803
Methyl ethyl ketone	2.97	3.22	0.922 c	ok 0.919	0.859-0.979
Methyl Isobutyl Ketone	6.13	4.49	1.365 c	ok 1.361	1.301-1.421
Methyl Tert Butyl Ether	2.83	3.22	0.879 c	ok 0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196 c	ok 1.196	1.136-1.256
Naphthalene	18.37	10.03	1.832 c	ok 1.831	1.771-1.891
Nonane	13.46	10.03	1.342 c	ok 1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok 2.017	1.957-2.077
Pentane	2.27	3.22	0.705	ok 0.703	0.643-0.763

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#### **Initial Calibration Retention Time/Internal Standard Area Summary**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

<b>Target Compound</b>	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT		RT Range 06)	
n-Propylbenzene	15.20	10.03	1.515	ok	1.515	1.45	55-1.575	
Propylene	1.65	3.22	0.512	ok	0.511	0.45	51-0.571	
Styrene	12.13	10.03	1.209	ok	1.210	1.15	50-1.270	
1,1,1-Trichloroethane	3.86	3.22	1.199	ok	1.198	1.13	38-1.258	
1,1,1,2-Tetrachloroethane	10.11	10.03	1.008	ok	1.009	0.94	19-1.069	
1,1,2,2-Tetrachloroethane	12.35	10.03	1.231	ok	1.232	1.17	72-1.292	
1,1,2-Trichloroethane	6.82	4.49	1.519	ok	1.519	1.45	59-1.579	
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	$1.7\epsilon$	66-1.886	
1,2,3-Trichloropropane	12.65	10.03	1.261	ok	1.260	1.20	00-1.320	
1,2,3-Trimethylbenzene	16.96	10.03	1.691	ok	1.690	1.63	30-1.750	
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.58	38-1.708	
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.52	26-1.646	
2,2,4-Trimethylpentane	5.16	4.49	1.149	ok	1.148	1.08	38-1.208	
Tertiary Butyl Alcohol	2.40	3.22	0.745	ok	0.740	0.68	80-0.800	
Tetrachloroethylene	8.91	4.49	1.984	ok	1.982	1.92	22-2.042	
Tetrahydrofuran	3.54	3.22	1.099	ok	1.091	1.03	31-1.151	
Toluene	7.18	4.49	1.599	ok	1.600	1.54	10-1.660	
Trichloroethylene	5.06	4.49	1.127	ok	1.127	$1.0\epsilon$	57-1.187	
Trichlorofluoromethane	2.16	3.22	0.671	ok	0.669	0.60	9-0.729	
Vinyl chloride	1.77	3.22	0.550	ok	0.548	0.48	38-0.608	
Vinyl Acetate	2.86	3.22	0.888	ok	0.887	0.82	27-0.947	
m,p-Xylene	11.38	10.03	1.135	ok	1.138	1.07	78-1.198	
o-Xylene	12.34	10.03	1.230	ok	1.231	1.17	71-1.291	
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.16	66-0.286	
	RT	Mean	RT Rai	nge			Mean	Area Range
Internal Standard	(min.)	RT(min.)	(+ /- 0	33)	Area		Area	(+ / <b>- 40 %</b> )
Bromochloromethane	3.22	ok 3.23	2.90-3.	56	133584	ok	131593	78956-184230
1,4-Difluorobenzene	4.49 c	ok 4.49	4.16-4.	82	679369	ok	662398	397439-927357
Chlorobenzene-D5	10.03 c	ok 10.03	9.70-10	0.36	626077	ok	618891	371335-866447

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account: SESINJPB SESI Consulting Engineers

Sample Number V7W405-IC405	Lab File ID 7W11233.D	<b>Injected</b> 12/28/24 09:16	By BK	0.04	GCMS7W	Method TO-15	
V7W405-IC405 V7W405-IC405	7W11234.D 7W11235.D	12/28/24 09:53 12/28/24 10:32	BK BK	0.10	GCMS7W GCMS7W	TO-15 TO-15	Reporting this level
V7W405-IC405	7W11233.D 7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405 V7W405-IC405	7W11241.D 7W11242.D	12/28/24 14:25 12/28/24 15:08	BK BK	20 40	GCMS7W GCMS7W	TO-15 TO-15	
V7W405-IC405 V7W405-IC405	7W11242.D 7W11243.D	12/28/24 15:52	BK	50	GCMS7W GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
Acetone (2-Propanone)	2.12	3.23	0.656	ok	0.652	0.592-0.712
Acrolein	2.07	3.23	0.641	ok	0.640	0.580-0.700
Acrylonitrile	2.25	3.23	0.697	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.23	0.628	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.03	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.00	4.50	1.111	ok	1.114	1.054-1.174
Bromoform	11.22	10.03	1.119	ok	1.119	1.059-1.179
Bromomethane	1.89	3.23	0.585	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.62	10.03	1.657	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.03	1.735	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.52	10.03	1.647	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.10	10.03	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529		0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.85	10.03	1.481		1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325		1.326	1.266-1.386
Cyclohexane	4.38	4.50	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.80	3.23	0.867	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.50	1.791	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.84	4.50	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.50	1.611	ok	1.613	1.553-1.673
1,4-Dioxane	5.23	4.50	1.162		1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.50	1.716	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.50	1.064	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	Ву	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.50	1.331	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.50	1.482	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.30	3.23	1.022	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.50	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.78	3.23	1.170	ok	1.173	1.113-1.233
Ethanol	1.98	3.23	0.613	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.31	3.23	1.025	ok	1.020	0.960-1.080
Ethyl Acrylate	4.98	4.50	1.107	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.03	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.70	3.23	0.526	ok	0.528	0.468-0.588
Freon 152A	1.62	3.23	0.502	ok	0.504	0.444-0.564
Heptane	5.47	4.50	1.216	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.03			1.751	1.691-1.811
Hexane	3.28	3.23			1.015	0.955-1.075
2-Hexanone	7.85	4.50			1.734	1.674-1.794
Iodomethane	2.33	3.23			0.722	0.662-0.782
Isopropylbenzene	13.86	10.03			1.381	1.321-1.441
Isopropyl Alcohol	2.20	3.23	0.681	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03			1.697	1.637-1.757
Methylene chloride	2.40	3.23			0.743	0.683-0.803
Methyl ethyl ketone	2.98	3.23	0.923	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.17	4.50			1.361	1.301-1.421
Methyl Tert Butyl Ether	2.85	3.23	0.882	ok	0.876	0.816-0.936
Methylmethacrylate	5.39	4.50	1.198		1.196	1.136-1.256
Naphthalene	18.37	10.03			1.831	1.771-1.891
Nonane	13.47	10.03			1.343	1.283-1.403
Octane	9.05	4.50			2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

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#### **Initial Calibration Retention Time/Internal Standard Area Summary**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	Ву	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)		Istd RT (min.)	Rel RT		Mean Rel RT		RT Range 06)	
n-Propylbenzene	15.20		10.03	1.515	ok	1.515	1.45	55-1.575	
Propylene	1.65		3.23	0.511	ok	0.511	0.45	51-0.571	
Styrene	12.14		10.03	1.210	ok	1.210	1.15	50-1.270	
1,1,1-Trichloroethane	3.87		3.23	1.198	ok	1.198	1.13	38-1.258	
1,1,1,2-Tetrachloroethane	10.12		10.03	1.009	ok	1.009	0.94	19-1.069	
1,1,2,2-Tetrachloroethane	12.36		10.03	1.232	ok	1.232	1.17	72-1.292	
1,1,2-Trichloroethane	6.82		4.50	1.516	ok	1.519	1.45	59-1.579	
1,2,4-Trichlorobenzene	18.32		10.03	1.827	ok	1.826	1.76	66-1.886	
1,2,3-Trichloropropane	12.64		10.03	1.260	ok	1.260	1.20	00-1.320	
1,2,3-Trimethylbenzene	16.96		10.03	1.691	ok	1.690	1.63	30-1.750	
1,2,4-Trimethylbenzene	16.53		10.03	1.648	ok	1.648	1.58	38-1.708	
1,3,5-Trimethylbenzene	15.91		10.03	1.586	ok	1.586	1.52	26-1.646	
2,2,4-Trimethylpentane	5.16		4.50	1.147	ok	1.148	1.08	38-1.208	
Tertiary Butyl Alcohol	2.43		3.23	0.752	ok	0.740	0.68	30-0.800	
Tetrachloroethylene	8.90		4.50	1.978	ok	1.982	1.92	22-2.042	
Tetrahydrofuran	3.54		3.23	1.096	ok	1.091	1.03	31-1.151	
Toluene	7.19		4.50	1.598	ok	1.600	1.54	10-1.660	
Trichloroethylene	5.06		4.50	1.124	ok	1.127	1.06	57-1.187	
Trichlorofluoromethane	2.16		3.23	0.669	ok	0.669	0.60	9-0.729	
Vinyl chloride	1.77		3.23	0.548	ok	0.548	0.48	38-0.608	
Vinyl Acetate	2.87		3.23	0.889	ok	0.887	0.82	27-0.947	
m,p-Xylene	11.43		10.03	1.140	ok	1.138	1.07	78-1.198	
o-Xylene	12.34		10.03	1.230	ok	1.231	1.17	71-1.291	
TVHC As Equiv Pentane	2.27		10.03	0.226	ok	0.226	0.16	66-0.286	
	RT		Mean	RT Ra	nge			Mean	Area Range
Internal Standard	(min.)		RT(min.)	(+ /- 0.	.33)	Area		Area	(+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.	56	135376	ok	131593	78956-184230
1,4-Difluorobenzene	4.50	ok	4.49	4.16-4.	82	684640	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10	0.36	633519	ok	618891	371335-866447

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
Acetone (2-Propanone)	2.11	3.23	0.653	ok	0.652	0.592-0.712
Acrolein	2.07	3.23	0.641	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.23	0.628	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.71	10.03	1.367	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.49	1.116	ok	1.114	1.054-1.174
Bromoform	11.22	10.03	1.119	ok	1.119	1.059-1.179
Bromomethane	1.89	3.23	0.585	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.62	10.03	1.657	ok	1.657	1.597-1.717
n-Butylbenzene	17.39	10.03	1.734	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.52	10.03	1.647	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.10	10.03	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.85	10.03	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.37	4.49	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.23	0.864	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.49	1.795	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.49	1.615	ok	1.613	1.553-1.673
1,4-Dioxane	5.14	4.49	1.145	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.66	4.49	1.483	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.29	3.23	1.019	ok	1.020	0.960-1.080
Ethyl Acrylate	4.96	4.49	1.105	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.03	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.71	3.23	0.529	ok	0.528	0.468-0.588
Freon 152A	1.63	3.23	0.505	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.03	1.752	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.79	4.49	1.735	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.85	10.03	1.381	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.18	3.23	0.675	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.97	3.23	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.12	4.49	1.363	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.83	3.23	0.876	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.03	1.832	ok		1.771-1.891
Nonane	13.47	10.03	1.343	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018		2.017	1.957-2.077
Pentane	2.27	3.23	0.703		0.703	0.643-0.763

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#### Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5018

**Account:** SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	Ву	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

<b>Target Compound</b>	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /06)	
n-Propylbenzene	15.19	10.03	1.514 ok	1.515	1.455-1.575	
Propylene	1.65	3.23	0.511 ok	0.511	0.451-0.571	
Styrene	12.14	10.03	1.210 ok	1.210	1.150-1.270	
1,1,1-Trichloroethane	3.86	3.23	1.195 ok	1.198	1.138-1.258	
1,1,1,2-Tetrachloroethane	10.11	10.03	1.008 ok	1.009	0.949-1.069	
1,1,2,2-Tetrachloroethane	12.35	10.03	1.231 ok	1.232	1.172-1.292	
1,1,2-Trichloroethane	6.82	4.49	1.519 ok	1.519	1.459-1.579	
1,2,4-Trichlorobenzene	18.32	10.03	1.827 ok	1.826	1.766-1.886	
1,2,3-Trichloropropane	12.64	10.03	1.260 ok	1.260	1.200-1.320	
1,2,3-Trimethylbenzene	16.95	10.03	1.690 ok	1.690	1.630-1.750	
1,2,4-Trimethylbenzene	16.53	10.03	1.648 ok	1.648	1.588-1.708	
1,3,5-Trimethylbenzene	15.91	10.03	1.586 ok	1.586	1.526-1.646	
2,2,4-Trimethylpentane	5.15	4.49	1.147 ok	1.148	1.088-1.208	
Tertiary Butyl Alcohol	2.40	3.23	0.743 ok	0.740	0.680-0.800	
Tetrachloroethylene	8.90	4.49	1.982 ok	1.982	1.922-2.042	
Tetrahydrofuran	3.52	3.23	1.090 ok	1.091	1.031-1.151	
Toluene	7.18	4.49	1.599 ok	1.600	1.540-1.660	
Trichloroethylene	5.06	4.49	1.127 ok	1.127	1.067-1.187	
Trichlorofluoromethane	2.16	3.23	0.669 ok	0.669	0.609-0.729	
Vinyl chloride	1.77	3.23	0.548 ok	0.548	0.488-0.608	
Vinyl Acetate	2.86	3.23	0.885 ok	0.887	0.827-0.947	
m,p-Xylene	11.41	10.03	1.138 ok	1.138	1.078-1.198	
o-Xylene	12.34	10.03	1.230 ok	1.231	1.171-1.291	
TVHC As Equiv Pentane	2.27	10.03	0.226 ok	0.226	0.166-0.286	
Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23 o	k 3.23	2.90-3.56	130126	ok 131593	78956-184230
1,4-Difluorobenzene		k 4.49	4.16-4.82	661732	ok 662398	397439-927357
Chlorobenzene-D5		k 10.03	9.70-10.36		ok 618891	371335-866447

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	Reporting this level
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

<b>Target Compound</b>	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
Acetone (2-Propanone)	2.11	3.23	0.653	ok	0.652	0.592-0.712
Acrolein	2.07	3.23	0.641	ok	0.640	0.580-0.700
Acrylonitrile	2.25	3.23	0.697	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.23	0.628	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.04	1.367	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.50	1.113	ok	1.114	1.054-1.174
Bromoform	11.23	10.04	1.119	ok	1.119	1.059-1.179
Bromomethane	1.89	3.23	0.585	ok	0.584	0.524-0.644
Bromoethene	2.04	3.23	0.632	ok	0.629	0.569-0.689
n-Butane	1.83	3.23	0.567	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.04	1.656	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.04	1.733	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.04	1.677	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.04	1.646	ok	1.647	1.587-1.707
Carbon disulfide	2.50	3.23	0.774	ok	0.772	0.712-0.832
Chlorobenzene	10.11	10.04	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.86	10.04	1.480	ok	1.480	1.420-1.540
Carbon tetrachloride	4.29	3.23	1.328	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.50	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.80	3.23	0.867	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.50	1.791	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.50	1.073	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.50	1.611	ok	1.613	1.553-1.673
1,4-Dioxane	5.12	4.50	1.138	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.50	1.716	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.50	1.064	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

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# Initial Calibration Retention Time/Internal Standard Area Summary Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	Ву	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	Reporting this level
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.50	1.331	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.04	1.653	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.04	1.694	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.04	1.662	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.50	1.482	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.50	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.97	3.23	0.610	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.04	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.29	3.23	1.019	ok	1.020	0.960-1.080
Ethyl Acrylate	4.96	4.50	1.102	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.04	1.558	ok	1.559	1.499-1.619
Freon 113	2.50	3.23	0.774	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.08	3.23	0.644	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.71	3.23	0.529	ok	0.528	0.468-0.588
Freon 152A	1.63	3.23	0.505	ok	0.504	0.444-0.564
Heptane	5.47	4.50	1.216	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.04	1.856	ok	1.857	1.797-1.917
Hexachloroethane	17.58	10.04	1.751	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.80	4.50	1.733	ok	1.734	1.674-1.794
Iodomethane	2.34	3.23	0.724	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.04	1.380	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.19	3.23	0.678	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.04	1.696	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.12	4.50	1.360	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.83	3.23	0.876	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.50	1.193	ok	1.196	1.136-1.256
Naphthalene	18.37	10.04	1.830	ok	1.831	1.771-1.891
Nonane	13.47	10.04	1.342	ok	1.343	1.283-1.403
Octane	9.06	4.50	2.013	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: JE5018

Account:

SESINJPB SESI Consulting Engineers Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

Sample Number	Lab File ID	Injected	Ву	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	Reporting this level
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	-
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

<b>Target Compound</b>	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /06)	
n-Propylbenzene	15.19	10.04	1.513 ok	1.515	1.455-1.575	
Propylene	1.65	3.23	0.511 ok	0.511	0.451-0.571	
Styrene	12.14	10.04	1.209 ok	1.210	1.150-1.270	
1,1,1-Trichloroethane	3.87	3.23	1.198 ok	1.198	1.138-1.258	
1,1,1,2-Tetrachloroethane	10.12	10.04	1.008 ok	1.009	0.949-1.069	
1,1,2,2-Tetrachloroethane	12.36	10.04	1.231 ok	1.232	1.172-1.292	
1,1,2-Trichloroethane	6.82	4.50	1.516 ok	1.519	1.459-1.579	
1,2,4-Trichlorobenzene	18.32	10.04	1.825 ok	1.826	1.766-1.886	
1,2,3-Trichloropropane	12.64	10.04	1.259 ok	1.260	1.200-1.320	
1,2,3-Trimethylbenzene	16.96	10.04	1.689 ok	1.690	1.630-1.750	
1,2,4-Trimethylbenzene	16.53	10.04	1.646 ok	1.648	1.588-1.708	
1,3,5-Trimethylbenzene	15.91	10.04	1.585 ok	1.586	1.526-1.646	
2,2,4-Trimethylpentane	5.16	4.50	1.147 ok	1.148	1.088-1.208	
Tertiary Butyl Alcohol	2.40	3.23	0.743 ok	0.740	0.680-0.800	
Tetrachloroethylene	8.91	4.50	1.980 ok	1.982	1.922-2.042	
Tetrahydrofuran	3.52	3.23	1.090 ok	1.091	1.031-1.151	
Toluene	7.19	4.50	1.598 ok	1.600	1.540-1.660	
Trichloroethylene	5.06	4.50	1.124 ok	1.127	1.067-1.187	
Trichlorofluoromethane	2.16	3.23	0.669 ok	0.669	0.609-0.729	
Vinyl chloride	1.77	3.23	0.548 ok	0.548	0.488 - 0.608	
Vinyl Acetate	2.87	3.23	0.889 ok	0.887	0.827-0.947	
m,p-Xylene	11.41	10.04	1.136 ok	1.138	1.078-1.198	
o-Xylene	12.35	10.04	1.230 ok	1.231	1.171-1.291	
TVHC As Equiv Pentane	2.27	10.04	0.226 ok	0.226	0.166-0.286	
Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23 ol	3.23	2.90-3.56	131992	ok 131593	78956-184230
1,4-Difluorobenzene	4.50 ol	4.49	4.16-4.82	667855	ok 662398	397439-927357
Chlorobenzene-D5	10.04 ol	10.03	9.70-10.36	626654	ok 618891	371335-866447

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# Initial Calibration Retention Time/Internal Standard Area Summary Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Acetone (2-Propanone)         2.10         3.23         0.650         ok         0.652         0.592-0.712           Acrolein         2.06         3.23         0.638         ok         0.640         0.580-0.700           Acrylonitrile         2.24         3.23         0.693         ok         0.695         0.635-0.755           Acetonitrile         2.02         3.23         0.625         ok         0.628         0.568-0.688           1,3-Butadiene         1.81         3.23         0.560         ok         0.561         0.501-0.621           Benzene         4.17         3.23         1.291         ok         1.292         1.232-1.352           Bromobenzene         13.72         10.03         1.368         ok         1.368         1.308-1.428           Bromodichloromethane         5.01         4.49         1.116         ok         1.114         1.054-1.174           Bromoethene         1.82         3.23         0.582         ok         0.584         0.524-0.644           Bromoethene         2.03         3.23         0.562         ok         0.629         0.569-0.689           n-Butane         1.82         3.23         0.565         ok         0.565         <	TD 4.0	RT	Istd RT	Rel		Mean Rel	Rel RT Range
Acrolein         2.06         3.23         0.638         ok         0.640         0.580-0.700           Acrylonitrile         2.24         3.23         0.693         ok         0.695         0.635-0.755           Acetonitrile         2.02         3.23         0.625         ok         0.628         0.568-0.688           1,3-Butadiene         1.81         3.23         0.560         ok         0.561         0.501-0.621           Benzene         4.17         3.23         1.291         ok         1.292         1.232-1.352           Bromodchloromethane         5.01         4.49         1.116         ok         1.114         1.054-1.174           Bromoform         11.23         10.03         1.120         ok         1.119         1.059-1.179           Bromoethane         1.88         3.23         0.582         ok         0.584         0.524-0.644           Bromoethane         1.88         3.23         0.582         ok         0.584         0.524-0.644           Bromoethane         1.82         3.23         0.563         ok         0.565         0.659-0.689           n-Butane         1.82         3.23         0.563         ok         0.565         0.505-0.625	Target Compound	( <b>min.</b> )	(min.)	RT		RT	(+ <b>/06</b> )
Acrylonitrile         2.24         3.23         0.693         ok         0.695         0.635-0.755           Acetonitrile         2.02         3.23         0.625         ok         0.568         0.568-0.688           1,3-Butadiene         1.81         3.23         0.560         ok         0.561         0.501-0.621           Benzene         4.17         3.23         1.291         ok         1.292         1.232-1.352           Bromobenzene         13.72         10.03         1.368         ok         1.368         1.308-1.428           Bromodichloromethane         5.01         4.49         1.116         ok         1.114         1.054-1.174           Bromoform         11.23         10.03         1.120         ok         1.119         1.059-1.179           Bromoethane         1.88         3.23         0.582         ok         0.584         0.524-0.644           Bromoethane         1.82         3.23         0.563         ok         0.655         0.505-0.625           Benzyl Chloride         16.63         10.03         1.638         ok         1.657         1.597-1.717           n-Butylbenzene         16.84         10.03         1.679         ok         1.672	Acetone (2-Propanone)	2.10	3.23	0.650	ok	0.652	0.592-0.712
Acetonitrile         2.02         3.23         0.625         ok         0.628         0.568-0.688           1,3-Butadiene         1.81         3.23         0.560         ok         0.561         0.501-0.621           Benzene         4.17         3.23         1.291         ok         1.292         1.232-1.352           Bromodichloromethane         13.72         10.03         1.368         ok         1.368         1.308-1.428           Bromodichloromethane         5.01         4.49         1.116         ok         1.114         1.054-1.174           Bromoform         11.23         10.03         1.120         ok         1.119         1.059-1.179           Bromoethane         1.88         3.23         0.582         ok         0.524-0.644           Bromoethene         2.03         3.23         0.563         ok         0.524-0.644           Bromoethene         1.82         3.23         0.563         ok         0.565         0.5524-0.689           n-Butane         1.82         3.23         0.563         ok         0.565         0.505-0.625           Benzyl Chloride         16.63         10.03         1.658         ok         1.63         1.618-1.738	Acrolein	2.06	3.23	0.638	ok	0.640	0.580-0.700
1,3-Butadiene	Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Benzene         4.17         3.23         1.291         ok         1.292         1.232-1.352           Bromobenzene         13.72         10.03         1.368         ok         1.368         1.308-1.428           Bromodichloromethane         5.01         4.49         1.116         ok         1.114         1.054-1.174           Bromoform         11.23         10.03         1.120         ok         1.119         1.059-1.179           Bromomethane         1.88         3.23         0.582         ok         0.584         0.524-0.644           Bromomethane         1.88         3.23         0.628         ok         0.629         0.569-0.689           n-Butane         1.82         3.23         0.563         ok         0.655         0.505-0.625           Benzyl Chloride         16.63         10.03         1.658         ok         1.657         1.597-1.717           n-Butylbenzene         16.63         10.03         1.679         ok         1.678         1.618-1.738           tert-Butylbenzene         16.53         10.03         1.648         ok         1.647         1.587-1.707           Carbon disulfide         2.49         3.23         0.751         ok         0.772<	Acetonitrile	2.02	3.23	0.625	ok	0.628	0.568-0.688
Bromobenzene         13.72         10.03         1.368         ok         1.368         1.308-1.428           Bromodichloromethane         5.01         4.49         1.116         ok         1.114         1.054-1.174           Bromoform         11.23         10.03         1.120         ok         1.119         1.059-1.179           Bromoethane         1.88         3.23         0.582         ok         0.524-0.644           Bromoethene         2.03         3.23         0.628         ok         0.629         0.569-0.689           n-Butane         1.82         3.23         0.563         ok         0.565         0.505-0.625           Benzyl Chloride         16.63         10.03         1.658         ok         1.657         1.597-1.717           n-Butylbenzene         17.39         10.03         1.679         ok         1.678         1.674-1.794           sec-Butylbenzene         16.53         10.03         1.648         ok         1.647         1.587-1.707           Carbon disulfide         2.49         3.23         0.771         ok         0.772         0.712-0.832           Chlorodifluoromethane         1.64         3.23         0.508         ok         0.508	1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Bromodichloromethane         5.01         4.49         1.116         ok         1.114         1.054-1.174           Bromoform         11.23         10.03         1.120         ok         1.119         1.059-1.179           Bromomethane         1.88         3.23         0.582         ok         0.584         0.524-0.644           Bromoethene         2.03         3.23         0.628         ok         0.629         0.569-0.689           n-Butane         1.82         3.23         0.563         ok         0.565         0.505-0.625           Benzyl Chloride         16.63         10.03         1.658         ok         1.657         1.597-1.717           n-Butylbenzene         17.39         10.03         1.734         ok         1.674-1.794           sec-Butylbenzene         16.53         10.03         1.679         ok         1.678         1.618-1.738           tert-Butylbenzene         16.53         10.03         1.648         ok         1.647         1.587-1.707           Carbon disulfide         2.49         3.23         0.771         ok         0.772         0.712-0.832           Chlorodifluoromethane         1.64         3.23         0.508         ok         0.508	Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromoform         11.23         10.03         1.120         ok         1.119         1.059-1.179           Bromomethane         1.88         3.23         0.582         ok         0.584         0.524-0.644           Bromoethene         2.03         3.23         0.628         ok         0.629         0.569-0.689           n-Butane         1.82         3.23         0.563         ok         0.565         0.505-0.625           Benzyl Chloride         16.63         10.03         1.658         ok         1.657         1.597-1.717           n-Butylbenzene         17.39         10.03         1.679         ok         1.678         1.674-1.794           sec-Butylbenzene         16.84         10.03         1.679         ok         1.678         1.618-1.738           tert-Butylbenzene         16.53         10.03         1.648         ok         1.647         1.587-1.707           Carbon disulfide         2.49         3.23         0.771         ok         0.772         0.712-0.832           Chlorobenzene         10.11         10.03         1.008         ok         1.007         0.947-1.067           Chlorotifluoromethane         1.64         3.23         0.598         ok	Bromobenzene	13.72	10.03	1.368	ok	1.368	1.308-1.428
Bromomethane         1.88         3.23         0.582         ok         0.524-0.644           Bromoethene         2.03         3.23         0.628         ok         0.629         0.569-0.689           n-Butane         1.82         3.23         0.563         ok         0.565         0.505-0.625           Benzyl Chloride         16.63         10.03         1.658         ok         1.657         1.597-1.717           n-Butylbenzene         16.84         10.03         1.734         ok         1.734         1.674-1.794           sec-Butylbenzene         16.84         10.03         1.679         ok         1.678         1.618-1.738           tert-Butylbenzene         16.53         10.03         1.648         ok         1.647         1.587-1.707           Carbon disulfide         2.49         3.23         0.771         ok         0.772         0.712-0.832           Chlorobenzene         10.11         10.03         1.008         ok         0.077         0.747-1.067           Chlorodifluoromethane         1.64         3.23         0.508         ok         0.508         0.448-0.568           Chlorotrifluoroethene         1.65         3.23         0.511         ok         0.511 </td <td>Bromodichloromethane</td> <td>5.01</td> <td>4.49</td> <td>1.116</td> <td>ok</td> <td>1.114</td> <td>1.054-1.174</td>	Bromodichloromethane	5.01	4.49	1.116	ok	1.114	1.054-1.174
Bromoethene         2.03         3.23         0.628         ok         0.629         0.569-0.689           n-Butane         1.82         3.23         0.563         ok         0.565         0.505-0.625           Benzyl Chloride         16.63         10.03         1.658         ok         1.657         1.597-1.717           n-Butylbenzene         17.39         10.03         1.679         ok         1.678         1.618-1.738           tert-Butylbenzene         16.84         10.03         1.648         ok         1.647         1.587-1.707           Carbon disulfide         2.49         3.23         0.771         ok         0.772         0.712-0.832           Chlorobenzene         10.11         10.03         1.008         ok         1.007         0.947-1.067           Chlorodifluoromethane         1.64         3.23         0.508         ok         0.508         0.448-0.568           Chlorotrifluoroethane         1.65         3.23         0.598         ok         0.598         0.538-0.658           Chloroform         3.30         3.23         0.511         ok         0.511         0.451-0.571           Chloropethane         1.65         3.23         0.511         ok	Bromoform	11.23	10.03	1.120	ok	1.119	1.059-1.179
Description	Bromomethane	1.88	3.23	0.582	ok	0.584	0.524-0.644
Benzyl Chloride	Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butylbenzene         17.39         10.03         1.734         ok         1.734         1.674-1.794           sec-Butylbenzene         16.84         10.03         1.679         ok         1.678         1.618-1.738           tert-Butylbenzene         16.53         10.03         1.648         ok         1.647         1.587-1.707           Carbon disulfide         2.49         3.23         0.771         ok         0.772         0.712-0.832           Chlorobenzene         10.11         10.03         1.008         ok         1.007         0.947-1.067           Chlorodifluoromethane         1.64         3.23         0.508         ok         0.508         0.448-0.568           Chlorotrifluoroethane         1.93         3.23         0.598         ok         0.598         0.538-0.658           Chloroform         3.30         3.23         1.022         ok         0.591         0.451-0.571           Chloroptoform         3.30         3.23         1.022         ok         0.508         0.470-0.590           3-Chloroptopene         2.44         3.23         0.529         ok         0.530         0.470-0.590           3-Chloroptopene         2.44         3.23         0.755 <td< td=""><td>n-Butane</td><td>1.82</td><td>3.23</td><td>0.563</td><td>ok</td><td>0.565</td><td>0.505-0.625</td></td<>	n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
sec-Butylbenzene         16.84         10.03         1.679         ok         1.678         1.618-1.738           tert-Butylbenzene         16.53         10.03         1.648         ok         1.647         1.587-1.707           Carbon disulfide         2.49         3.23         0.771         ok         0.772         0.712-0.832           Chlorobenzene         10.11         10.03         1.008         ok         1.007         0.947-1.067           Chlorodifluoromethane         1.64         3.23         0.508         ok         0.508         0.448-0.568           Chlorotrifluoroethene         1.65         3.23         0.598         ok         0.598         0.538-0.658           Chloroform         3.30         3.23         1.022         ok         0.511         0.451-0.571           Chloroform         3.30         3.23         1.022         ok         0.511         0.451-0.571           Chloromethane         1.71         3.23         0.529         ok         0.530         0.470-0.590           3-Chloropropene         2.44         3.23         0.755         ok         0.756         0.696-0.816           2-Chlorotoluene         14.85         10.03         1.481         ok<	Benzyl Chloride	16.63	10.03	1.658	ok	1.657	1.597-1.717
tert-Butylbenzene 16.53 10.03 1.648 ok 1.647 1.587-1.707 Carbon disulfide 2.49 3.23 0.771 ok 0.772 0.712-0.832 Chlorobenzene 10.11 10.03 1.008 ok 1.007 0.947-1.067 Chlorodifluoromethane 1.64 3.23 0.508 ok 0.508 0.448-0.568 Chloroethane 1.93 3.23 0.598 ok 0.598 0.538-0.658 Chlorotrifluoroethene 1.65 3.23 0.511 ok 0.511 0.451-0.571 Chloroform 3.30 3.23 1.022 ok 1.022 0.962-1.082 Chloromethane 1.71 3.23 0.529 ok 0.530 0.470-0.590 3-Chloropropene 2.44 3.23 0.755 ok 0.756 0.696-0.816 2-Chlorotoluene 14.85 10.03 1.481 ok 1.480 1.420-1.540 Carbon tetrachloride 4.28 3.23 1.325 ok 1.326 1.266-1.386 Cyclohexane 4.38 4.49 0.976 ok 0.974 0.914-1.034 1,1-Dichloroethane 2.79 3.23 0.864 ok 0.865 0.805-0.925 1,1-Dichloroethane (EDB) 8.06 4.49 1.795 ok 0.731 0.671-0.791 1,2-Dichloropropane 4.83 4.49 1.076 ok 1.794 1.734-1.854 1,2-Dichloropropane 7.25 4.49 1.615 ok 1.613 1.553-1.673 1,4-Dioxane 5.08 4.49 1.131 ok 1.142 1.082-1.202 Dichlorodifluoromethane 1.96 3.23 0.607 ok 0.607 0.547-0.667 Dibromochloromethane 7.72 4.49 1.719 ok 1.718 1.658-1.778	n-Butylbenzene	17.39	10.03	1.734	ok	1.734	1.674-1.794
Carbon disulfide         2.49         3.23         0.771         ok         0.772         0.712-0.832           Chlorobenzene         10.11         10.03         1.008         ok         1.007         0.947-1.067           Chlorodifluoromethane         1.64         3.23         0.508         ok         0.508         0.448-0.568           Chlorotethane         1.93         3.23         0.598         ok         0.598         0.538-0.658           Chlorotrifluoroethene         1.65         3.23         0.511         ok         0.511         0.451-0.571           Chloroform         3.30         3.23         1.022         ok         1.022         0.962-1.082           Chloromethane         1.71         3.23         0.529         ok         0.530         0.470-0.590           3-Chloropropene         2.44         3.23         0.755         ok         0.756         0.696-0.816           2-Chlorotoluene         14.85         10.03         1.481         ok         1.480         1.420-1.540           Carbon tetrachloride         4.28         3.23         1.325         ok         1.326         1.266-1.386           Cyclohexane         4.38         4.49         0.976         ok <td>sec-Butylbenzene</td> <td>16.84</td> <td>10.03</td> <td>1.679</td> <td>ok</td> <td>1.678</td> <td>1.618-1.738</td>	sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
Chlorobenzene         10.11         10.03         1.008         ok         1.007         0.947-1.067           Chlorodifluoromethane         1.64         3.23         0.508         ok         0.508         0.448-0.568           Chlorottrifluoroethane         1.93         3.23         0.598         ok         0.598         0.538-0.658           Chlorottrifluoroethene         1.65         3.23         0.511         ok         0.511         0.451-0.571           Chloroform         3.30         3.23         1.022         ok         1.022         0.962-1.082           Chloromethane         1.71         3.23         0.529         ok         0.530         0.470-0.590           3-Chloropropene         2.44         3.23         0.755         ok         0.756         0.696-0.816           2-Chlorotoluene         14.85         10.03         1.481         ok         1.480         1.420-1.540           Carbon tetrachloride         4.28         3.23         1.325         ok         1.326         1.266-1.386           Cyclohexane         4.38         4.49         0.976         ok         0.974         0.914-1.034           1,1-Dichloroethane         2.79         3.23         0.864	tert-Butylbenzene	16.53	10.03	1.648	ok	1.647	1.587-1.707
Chlorodifluoromethane         1.64         3.23         0.508         ok         0.508         0.448-0.568           Chloroethane         1.93         3.23         0.598         ok         0.598         0.538-0.658           Chlorotrifluoroethene         1.65         3.23         0.511         ok         0.511         0.451-0.571           Chloroform         3.30         3.23         1.022         ok         1.022         0.962-1.082           Chloromethane         1.71         3.23         0.529         ok         0.530         0.470-0.590           3-Chloropropene         2.44         3.23         0.755         ok         0.756         0.696-0.816           2-Chlorotoluene         14.85         10.03         1.481         ok         1.480         1.420-1.540           Carbon tetrachloride         4.28         3.23         1.325         ok         1.326         1.266-1.386           Cyclohexane         4.38         4.49         0.976         ok         0.974         0.914-1.034           1,1-Dichloroethane         2.79         3.23         0.864         ok         0.865         0.805-0.925           1,1-Dichloroethane         2.36         3.23         0.731         ok	Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chloroethane         1.93         3.23         0.598         ok 0.598         0.538-0.658           Chlorotrifluoroethene         1.65         3.23         0.511         ok 0.511         0.451-0.571           Chloroform         3.30         3.23         1.022         ok 1.022         0.962-1.082           Chloromethane         1.71         3.23         0.529         ok 0.530         0.470-0.590           3-Chloropropene         2.44         3.23         0.755         ok 0.756         0.696-0.816           2-Chlorotoluene         14.85         10.03         1.481         ok 1.480         1.420-1.540           Carbon tetrachloride         4.28         3.23         1.325         ok 1.326         1.266-1.386           Cyclohexane         4.38         4.49         0.976         ok 0.974         0.914-1.034           1,1-Dichloroethane         2.79         3.23         0.864         ok 0.865         0.805-0.925           1,1-Dichloroethylene         2.36         3.23         0.731         ok 0.731         0.671-0.791           1,2-Dibloromethane (EDB)         8.06         4.49         1.795         ok 1.794         1.734-1.854           1,2-Dichloropropane         4.83         4.49         1.076	Chlorobenzene	10.11	10.03	1.008	ok	1.007	0.947-1.067
Chlorotrifluoroethene         1.65         3.23         0.511         ok 0.511         0.451-0.571           Chloroform         3.30         3.23         1.022         ok 1.022         0.962-1.082           Chloromethane         1.71         3.23         0.529         ok 0.530         0.470-0.590           3-Chloropropene         2.44         3.23         0.755         ok 0.756         0.696-0.816           2-Chlorotoluene         14.85         10.03         1.481         ok 1.480         1.420-1.540           Carbon tetrachloride         4.28         3.23         1.325         ok 1.326         1.266-1.386           Cyclohexane         4.38         4.49         0.976         ok 0.974         0.914-1.034           1,1-Dichloroethane         2.79         3.23         0.864         ok 0.865         0.805-0.925           1,1-Dichloroethylene         2.36         3.23         0.731         ok 0.731         0.671-0.791           1,2-Dibromoethane (EDB)         8.06         4.49         1.795         ok 1.794         1.734-1.854           1,2-Dichloropropane         4.83         4.49         1.076         ok 1.075         1.015-1.135           1,3-Dichloropropane         7.25         4.49         1.615<	Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroform         3.30         3.23         1.022         ok         1.022         0.962-1.082           Chloromethane         1.71         3.23         0.529         ok         0.530         0.470-0.590           3-Chloropropene         2.44         3.23         0.755         ok         0.756         0.696-0.816           2-Chlorotoluene         14.85         10.03         1.481         ok         1.480         1.420-1.540           Carbon tetrachloride         4.28         3.23         1.325         ok         1.326         1.266-1.386           Cyclohexane         4.38         4.49         0.976         ok         0.974         0.914-1.034           1,1-Dichloroethane         2.79         3.23         0.864         ok         0.865         0.805-0.925           1,1-Dichloroethylene         2.36         3.23         0.731         ok         0.731         0.671-0.791           1,2-Dibromoethane (EDB)         8.06         4.49         1.795         ok         1.794         1.734-1.854           1,2-Dichloropropane         4.83         4.49         1.076         ok         1.015-1.135           1,3-Dichloropropane         7.25         4.49         1.615         ok	Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chloromethane         1.71         3.23         0.529         ok         0.530         0.470-0.590           3-Chloropropene         2.44         3.23         0.755         ok         0.756         0.696-0.816           2-Chlorotoluene         14.85         10.03         1.481         ok         1.480         1.420-1.540           Carbon tetrachloride         4.28         3.23         1.325         ok         1.326         1.266-1.386           Cyclohexane         4.38         4.49         0.976         ok         0.974         0.914-1.034           1,1-Dichloroethane         2.79         3.23         0.864         ok         0.865         0.805-0.925           1,1-Dichloroethylene         2.36         3.23         0.731         ok         0.731         0.671-0.791           1,2-Dibromoethane (EDB)         8.06         4.49         1.795         ok         1.794         1.734-1.854           1,2-Dichloroethane         3.70         3.23         1.146         ok         1.147         1.087-1.207           1,2-Dichloropropane         4.83         4.49         1.076         ok         1.075         1.015-1.135           1,3-Dichloropropane         7.25         4.49         1.615 <td>Chlorotrifluoroethene</td> <td>1.65</td> <td>3.23</td> <td>0.511</td> <td>ok</td> <td>0.511</td> <td>0.451-0.571</td>	Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
3-Chloropropene2.443.230.755ok0.7560.696-0.8162-Chlorotoluene14.8510.031.481ok1.4801.420-1.540Carbon tetrachloride4.283.231.325ok1.3261.266-1.386Cyclohexane4.384.490.976ok0.9740.914-1.0341,1-Dichloroethane2.793.230.864ok0.8650.805-0.9251,1-Dichloroethylene2.363.230.731ok0.7310.671-0.7911,2-Dibromoethane (EDB)8.064.491.795ok1.7941.734-1.8541,2-Dichloroethane3.703.231.146ok1.1471.087-1.2071,2-Dichloropropane4.834.491.076ok1.0751.015-1.1351,3-Dichloropropane7.254.491.615ok1.6131.553-1.6731,4-Dioxane5.084.491.131ok1.1421.082-1.202Dichlorodifluoromethane1.663.230.514ok0.5170.457-0.577Dichlorofluoromethane1.963.230.607ok0.6070.547-0.667Dibromochloromethane7.724.491.719ok1.7181.658-1.778	Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
2-Chlorotoluene14.8510.031.481ok1.4801.420-1.540Carbon tetrachloride4.283.231.325ok1.3261.266-1.386Cyclohexane4.384.490.976ok0.9740.914-1.0341,1-Dichloroethane2.793.230.864ok0.8650.805-0.9251,1-Dichloroethylene2.363.230.731ok0.7310.671-0.7911,2-Dibromoethane (EDB)8.064.491.795ok1.7941.734-1.8541,2-Dichloroethane3.703.231.146ok1.1471.087-1.2071,2-Dichloropropane4.834.491.076ok1.0751.015-1.1351,3-Dichloropropane7.254.491.615ok1.6131.553-1.6731,4-Dioxane5.084.491.131ok1.1421.082-1.202Dichlorodifluoromethane1.663.230.514ok0.5170.457-0.577Dichlorofluoromethane1.963.230.607ok0.6070.547-0.667Dibromochloromethane7.724.491.719ok1.7181.658-1.778	Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
Carbon tetrachloride         4.28         3.23         1.325         ok         1.326         1.266-1.386           Cyclohexane         4.38         4.49         0.976         ok         0.974         0.914-1.034           1,1-Dichloroethane         2.79         3.23         0.864         ok         0.865         0.805-0.925           1,1-Dichloroethylene         2.36         3.23         0.731         ok         0.731         0.671-0.791           1,2-Dibromoethane (EDB)         8.06         4.49         1.795         ok         1.794         1.734-1.854           1,2-Dichloroethane         3.70         3.23         1.146         ok         1.147         1.087-1.207           1,2-Dichloropropane         4.83         4.49         1.076         ok         1.075         1.015-1.135           1,3-Dichloropropane         7.25         4.49         1.615         ok         1.613         1.553-1.673           1,4-Dioxane         5.08         4.49         1.131         ok         1.142         1.082-1.202           Dichlorodifluoromethane         1.66         3.23         0.514         ok         0.517         0.457-0.577           Dichlorofluoromethane         7.72         4.49 <t< td=""><td>3-Chloropropene</td><td>2.44</td><td>3.23</td><td>0.755</td><td>ok</td><td>0.756</td><td>0.696-0.816</td></t<>	3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
Cyclohexane         4.38         4.49         0.976         ok         0.974         0.914-1.034           1,1-Dichloroethane         2.79         3.23         0.864         ok         0.865         0.805-0.925           1,1-Dichloroethylene         2.36         3.23         0.731         ok         0.731         0.671-0.791           1,2-Dibromoethane (EDB)         8.06         4.49         1.795         ok         1.794         1.734-1.854           1,2-Dichloroethane         3.70         3.23         1.146         ok         1.147         1.087-1.207           1,2-Dichloropropane         4.83         4.49         1.076         ok         1.075         1.015-1.135           1,3-Dichloropropane         7.25         4.49         1.615         ok         1.613         1.553-1.673           1,4-Dioxane         5.08         4.49         1.131         ok         1.142         1.082-1.202           Dichlorodifluoromethane         1.66         3.23         0.514         ok         0.517         0.457-0.577           Dichlorofluoromethane         1.96         3.23         0.607         ok         0.607         0.547-0.667           Dibromochloromethane         7.72         4.49 <t< td=""><td>2-Chlorotoluene</td><td>14.85</td><td>10.03</td><td>1.481</td><td>ok</td><td>1.480</td><td>1.420-1.540</td></t<>	2-Chlorotoluene	14.85	10.03	1.481	ok	1.480	1.420-1.540
1,1-Dichloroethane       2.79       3.23       0.864 ok 0.865       0.805-0.925         1,1-Dichloroethylene       2.36       3.23       0.731 ok 0.731       0.671-0.791         1,2-Dibromoethane (EDB)       8.06       4.49       1.795 ok 1.794       1.734-1.854         1,2-Dichloroethane       3.70       3.23       1.146 ok 1.147       1.087-1.207         1,2-Dichloropropane       4.83       4.49       1.076 ok 1.075       1.015-1.135         1,3-Dichloropropane       7.25       4.49       1.615 ok 1.613       1.553-1.673         1,4-Dioxane       5.08       4.49       1.131 ok 1.142       1.082-1.202         Dichlorodifluoromethane       1.66       3.23       0.514 ok 0.517       0.457-0.577         Dichlorofluoromethane       1.96       3.23       0.607 ok 0.607       0.547-0.667         Dibromochloromethane       7.72       4.49       1.719 ok 1.718       1.658-1.778	Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
1,1-Dichloroethylene       2.36       3.23       0.731       ok 0.731       0.671-0.791         1,2-Dibromoethane (EDB)       8.06       4.49       1.795       ok 1.794       1.734-1.854         1,2-Dichloroethane       3.70       3.23       1.146       ok 1.147       1.087-1.207         1,2-Dichloropropane       4.83       4.49       1.076       ok 1.075       1.015-1.135         1,3-Dichloropropane       7.25       4.49       1.615       ok 1.613       1.553-1.673         1,4-Dioxane       5.08       4.49       1.131       ok 1.142       1.082-1.202         Dichlorodifluoromethane       1.66       3.23       0.514       ok 0.517       0.457-0.577         Dichlorofluoromethane       1.96       3.23       0.607       ok 0.607       0.547-0.667         Dibromochloromethane       7.72       4.49       1.719       ok 1.718       1.658-1.778	Cyclohexane	4.38	4.49	0.976	ok	0.974	0.914-1.034
1,2-Dibromoethane (EDB)       8.06       4.49       1.795       ok       1.794       1.734-1.854         1,2-Dichloroethane       3.70       3.23       1.146       ok       1.147       1.087-1.207         1,2-Dichloropropane       4.83       4.49       1.076       ok       1.075       1.015-1.135         1,3-Dichloropropane       7.25       4.49       1.615       ok       1.613       1.553-1.673         1,4-Dioxane       5.08       4.49       1.131       ok       1.142       1.082-1.202         Dichlorodifluoromethane       1.66       3.23       0.514       ok       0.517       0.457-0.577         Dichlorofluoromethane       1.96       3.23       0.607       ok       0.607       0.547-0.667         Dibromochloromethane       7.72       4.49       1.719       ok       1.718       1.658-1.778	1,1-Dichloroethane	2.79	3.23	0.864	ok	0.865	0.805-0.925
1,2-Dichloroethane       3.70       3.23       1.146 ok 1.147       1.087-1.207         1,2-Dichloropropane       4.83       4.49       1.076 ok 1.075       1.015-1.135         1,3-Dichloropropane       7.25       4.49       1.615 ok 1.613       1.553-1.673         1,4-Dioxane       5.08       4.49       1.131 ok 1.142       1.082-1.202         Dichlorodifluoromethane       1.66       3.23       0.514 ok 0.517       0.457-0.577         Dichlorofluoromethane       1.96       3.23       0.607 ok 0.607       0.547-0.667         Dibromochloromethane       7.72       4.49       1.719 ok 1.718       1.658-1.778	1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dichloropropane       4.83       4.49       1.076       ok       1.075       1.015-1.135         1,3-Dichloropropane       7.25       4.49       1.615       ok       1.613       1.553-1.673         1,4-Dioxane       5.08       4.49       1.131       ok       1.142       1.082-1.202         Dichlorodifluoromethane       1.66       3.23       0.514       ok       0.517       0.457-0.577         Dichlorofluoromethane       1.96       3.23       0.607       ok       0.607       0.547-0.667         Dibromochloromethane       7.72       4.49       1.719       ok       1.718       1.658-1.778	1,2-Dibromoethane (EDB)	8.06	4.49	1.795	ok	1.794	1.734-1.854
1,3-Dichloropropane       7.25       4.49       1.615 ok       1.613       1.553-1.673         1,4-Dioxane       5.08       4.49       1.131 ok       1.142       1.082-1.202         Dichlorodifluoromethane       1.66       3.23       0.514 ok       0.517       0.457-0.577         Dichlorofluoromethane       1.96       3.23       0.607 ok       0.607       0.547-0.667         Dibromochloromethane       7.72       4.49       1.719 ok       1.718       1.658-1.778	1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,4-Dioxane       5.08       4.49       1.131       ok       1.142       1.082-1.202         Dichlorodifluoromethane       1.66       3.23       0.514       ok       0.517       0.457-0.577         Dichlorofluoromethane       1.96       3.23       0.607       ok       0.607       0.547-0.667         Dibromochloromethane       7.72       4.49       1.719       ok       1.718       1.658-1.778	1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
Dichlorodifluoromethane         1.66         3.23         0.514 ok         0.517         0.457-0.577           Dichlorofluoromethane         1.96         3.23         0.607 ok         0.607         0.547-0.667           Dibromochloromethane         7.72         4.49         1.719 ok         1.718         1.658-1.778	1,3-Dichloropropane	7.25	4.49	1.615	ok	1.613	1.553-1.673
Dichlorofluoromethane         1.96         3.23         0.607 ok         0.607 ok         0.547-0.667           Dibromochloromethane         7.72         4.49         1.719 ok         1.718         1.658-1.778	1,4-Dioxane	5.08	4.49	1.131	ok	1.142	1.082-1.202
Dibromochloromethane 7.72 4.49 1.719 ok 1.718 1.658-1.778	Dichlorodifluoromethane	1.66	3.23	0.514	ok	0.517	0.457-0.577
	Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromomethane 4.79 4.49 1.067 ok 1.066 1.006-1.126	Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
7.7) 7.7) 1.007 0k 1.000 1.000-1.120	Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene 2.72 3.23 0.842 ok 0.843 0.783-0.903	trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

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# Initial Calibration Retention Time/Internal Standard Area Summary Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.66	4.49	1.483	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.28	3.23	1.015	ok	1.020	0.960-1.080
Ethyl Acrylate	4.95	4.49	1.102	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.03	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.70	3.23	0.526	ok	0.528	0.468-0.588
Freon 152A	1.62	3.23	0.502	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.03	1.752		1.751	1.691-1.811
Hexane	3.27	3.23	1.012		1.015	0.955-1.075
2-Hexanone	7.76	4.49	1.728		1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721		0.722	0.662-0.782
Isopropylbenzene	13.86	10.03	1.382		1.381	1.321-1.441
Isopropyl Alcohol	2.17	3.23	0.672	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698		1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743		0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.09	4.49	1.356		1.361	1.301-1.421
Methyl Tert Butyl Ether	2.82	3.23	0.873	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.03	1.832	ok	1.831	1.771-1.891
Nonane	13.47	10.03	1.343		1.343	1.283-1.403
Octane	9.06	4.49	2.018		2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

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#### **Initial Calibration Retention Time/Internal Standard Area Summary**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	Bv	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

<b>Target Compound</b>	RT (min.)		Istd RT (min.)	Rel RT		Mean Rel RT		RT Range 06)	
n-Propylbenzene	15.20		10.03	1.515	ok	1.515	1.45	55-1.575	
Propylene	1.65		3.23	0.511	ok	0.511	0.45	51-0.571	
Styrene	12.13		10.03	1.209	ok	1.210	1.15	50-1.270	
1,1,1-Trichloroethane	3.86		3.23	1.195	ok	1.198	1.13	38-1.258	
1,1,1,2-Tetrachloroethane	10.12		10.03	1.009	ok	1.009	0.94	19-1.069	
1,1,2,2-Tetrachloroethane	12.36		10.03	1.232	ok	1.232	1.17	72-1.292	
1,1,2-Trichloroethane	6.82		4.49	1.519	ok	1.519	1.45	59-1.579	
1,2,4-Trichlorobenzene	18.32		10.03	1.827	ok	1.826	1.76	66-1.886	
1,2,3-Trichloropropane	12.64		10.03	1.260	ok	1.260	1.20	00-1.320	
1,2,3-Trimethylbenzene	16.96		10.03	1.691	ok	1.690	1.63	30-1.750	
1,2,4-Trimethylbenzene	16.53		10.03	1.648	ok	1.648	1.58	38-1.708	
1,3,5-Trimethylbenzene	15.91		10.03	1.586	ok	1.586	1.52	26-1.646	
2,2,4-Trimethylpentane	5.16		4.49	1.149	ok	1.148	1.08	38-1.208	
Tertiary Butyl Alcohol	2.37		3.23	0.734	ok	0.740	0.68	80-0.800	
Tetrachloroethylene	8.91		4.49	1.984	ok	1.982	1.92	22-2.042	
Tetrahydrofuran	3.51		3.23	1.087	ok	1.091	1.03	31-1.151	
Toluene	7.19		4.49	1.601	ok	1.600	1.54	10-1.660	
Trichloroethylene	5.06		4.49	1.127	ok	1.127	1.06	57-1.187	
Trichlorofluoromethane	2.16		3.23	0.669	ok	0.669	0.60	9-0.729	
Vinyl chloride	1.77		3.23	0.548	ok	0.548	0.48	88-0.608	
Vinyl Acetate	2.86		3.23	0.885	ok	0.887	0.82	27-0.947	
m, p-Xylene	11.42		10.03	1.139	ok	1.138	1.07	78-1.198	
o-Xylene	12.34		10.03	1.230	ok	1.231	1.17	1-1.291	
TVHC As Equiv Pentane	2.27		10.03	0.226	ok	0.226	0.16	66-0.286	
	RT		Mean	RT Ra	nge			Mean	Area Range
Internal Standard	(min.)		RT(min.)	(+ /- 0.	33)	Area		Area	(+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.	56	131378	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.	82	659033	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10	0.36	616113	ok	618891	371335-866447

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	Ву	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
Acetone (2-Propanone)	2.10	3.23	0.650	ok	0.652	0.592-0.712
Acrolein	2.06	3.23	0.638	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.02	3.23	0.625	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.73	10.04	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.49	1.116	ok	1.114	1.054-1.174
Bromoform	11.23	10.04	1.119	ok	1.119	1.059-1.179
Bromomethane	1.88	3.23	0.582	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.04	1.656	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.04	1.733	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.04	1.677	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.04	1.646	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.11	10.04	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755		0.756	0.696-0.816
2-Chlorotoluene	14.86	10.04	1.480	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.49	0.976		0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.23	0.864		0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.49	1.795	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.49	1.615	ok	1.613	1.553-1.673
1,4-Dioxane	5.07	4.49	1.129	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	Ву	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

<b>Target Compound</b>	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.04	1.653	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.04	1.694	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.04	1.662	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.49	1.486	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.04	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.28	3.23	1.015	ok	1.020	0.960-1.080
Ethyl Acrylate	4.95	4.49	1.102	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.04	1.558	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.70	3.23	0.526	ok	0.528	0.468-0.588
Freon 152A	1.62	3.23	0.502	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.04	1.856	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.04	1.750	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.76	4.49	1.728	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.04	1.380	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.17	3.23	0.672	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.04	1.696	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.09	4.49	1.356	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.82	3.23	0.873	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.04	1.830	ok	1.831	1.771-1.891
Nonane	13.48	10.04	1.343	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

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#### Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5018

**Account:** SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

<b>Target Compound</b>	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /06)	
n-Propylbenzene	15.20	10.04	1.514 ok	1.515	1.455-1.575	
Propylene	1.65	3.23	0.511 ok	0.511	0.451-0.571	
Styrene	12.14	10.04	1.209 ok	1.210	1.150-1.270	
1,1,1-Trichloroethane	3.86	3.23	1.195 ok	1.198	1.138-1.258	
1,1,1,2-Tetrachloroethane	10.13	10.04	1.009 ok	1.009	0.949-1.069	
1,1,2,2-Tetrachloroethane	12.36	10.04	1.231 ok	1.232	1.172-1.292	
1,1,2-Trichloroethane	6.82	4.49	1.519 ok	1.519	1.459-1.579	
1,2,4-Trichlorobenzene	18.32	10.04	1.825 ok	1.826	1.766-1.886	
1,2,3-Trichloropropane	12.64	10.04	1.259 ok	1.260	1.200-1.320	
1,2,3-Trimethylbenzene	16.96	10.04	1.689 ok	1.690	1.630-1.750	
1,2,4-Trimethylbenzene	16.54	10.04	1.647 ok	1.648	1.588-1.708	
1,3,5-Trimethylbenzene	15.92	10.04	1.586 ok	1.586	1.526-1.646	
2,2,4-Trimethylpentane	5.16	4.49	1.149 ok 1.148		1.088-1.208	
Tertiary Butyl Alcohol	2.37	3.23	0.734 ok	0.740	0.680-0.800	
Tetrachloroethylene	8.91	4.49	1.984 ok	1.982	1.922-2.042	
Tetrahydrofuran	3.51	3.23	1.087 ok	1.091	1.031-1.151	
Toluene	7.19	4.49	1.601 ok	1.600	1.540-1.660	
Trichloroethylene	5.06	4.49	1.127 ok	1.127	1.067-1.187	
Trichlorofluoromethane	2.16	3.23	0.669 ok	0.669	0.609-0.729	
Vinyl chloride	1.77	3.23	0.548 ok	0.548	0.488-0.608	
Vinyl Acetate	2.86	3.23	0.885 ok	0.887	0.827-0.947	
m,p-Xylene	11.42	10.04	1.137 ok	1.138	1.078-1.198	
o-Xylene	12.35	10.04	1.230 ok	1.231	1.171-1.291	
TVHC As Equiv Pentane	2.27	10.04	0.226 ok	0.226	0.166-0.286	
Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23 ok	3.23	2.90-3.56	126854	ok 131593	78956-184230
1,4-Difluorobenzene		4.49	4.16-4.82	638427	ok 662398	397439-927357
Chlorobenzene-D5		10.03	9.70-10.36		ok 618891	371335-866447

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account:

SESINJPB SESI Consulting Engineers Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
Acetone (2-Propanone)	2.10	3.23	0.650	ok	0.652	0.592-0.712
Acrolein	2.06	3.23	0.638	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.02	3.23	0.625	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.74	10.04	1.369	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.49	1.116	ok	1.114	1.054-1.174
Bromoform	11.24	10.04	1.120	ok	1.119	1.059-1.179
Bromomethane	1.88	3.23	0.582	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.04	1.656	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.04	1.733	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.04	1.677	ok	1.678	1.618-1.738
tert-Butylbenzene	16.54	10.04	1.647	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.12	10.04	1.008	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.87	10.04	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.49	0.976	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.23	0.864	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.07	4.49	1.797	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.49	1.615	ok	1.613	1.553-1.673
1,4-Dioxane	5.07	4.49	1.129	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975 o	k 0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334 o	k 1.333	1.273-1.393
m-Dichlorobenzene	16.61	10.04	1.654 o	k 1.655	1.595-1.715
o-Dichlorobenzene	17.02	10.04	1.695 o	k 1.695	1.635-1.755
p-Dichlorobenzene	16.70	10.04	1.663 o	k 1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.49	1.486 o	k 1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015 o	k 1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031 o	k 1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173 o	k 1.173	1.113-1.233
Ethanol	1.96	3.23	0.607 o	k 0.609	0.549-0.669
Ethylbenzene	11.00	10.04	1.096 o	k 1.095	1.035-1.155
Ethyl Acetate	3.29	3.23	1.019 o	k 1.020	0.960-1.080
Ethyl Acrylate	4.95	4.49	1.102 o	k 1.104	1.044-1.164
4-Ethyltoluene	15.65	10.04	1.559 o	k 1.559	1.499-1.619
Freon 113	2.49	3.23	0.771 o	k 0.772	0.712-0.832
Freon 114	1.74	3.23	0.539 o	k 0.539	0.479-0.599
Freon 115	1.60	3.23	0.495 o	k 0.496	0.436-0.556
Freon 123	2.08	3.23	0.644 o	k 0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647 o	k 0.648	0.588-0.708
Freon 142B	1.71	3.23	0.529 o	k 0.528	0.468-0.588
Freon 152A	1.63	3.23	0.505 o	k 0.504	0.444-0.564
Heptane	5.47	4.49	1.218 o	k 1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.04	1.856 o	k 1.857	1.797-1.917
Hexachloroethane	17.58	10.04		k 1.751	1.691-1.811
Hexane	3.28	3.23		k 1.015	0.955-1.075
2-Hexanone	7.76	4.49		k 1.734	1.674-1.794
Iodomethane	2.33	3.23		k 0.722	0.662 - 0.782
Isopropylbenzene	13.87	10.04	1.381 o	k 1.381	1.321-1.441
Isopropyl Alcohol	2.17	3.23	0.672 o	k 0.676	0.616-0.736
p-Isopropyltoluene	17.04	10.04		k 1.697	1.637-1.757
Methylene chloride	2.40	3.23		k 0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916 o	k 0.919	0.859-0.979
Methyl Isobutyl Ketone	6.09	4.49		k 1.361	1.301-1.421
Methyl Tert Butyl Ether	2.82	3.23		k 0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196 o	k 1.196	1.136-1.256
Naphthalene	18.37	10.04	1.830 o	k 1.831	1.771-1.891
Nonane	13.48	10.04		k 1.343	1.283-1.403
Octane	9.07	4.49		k 2.017	1.957-2.077
Pentane	2.27	3.23	0.703 o	k 0.703	0.643-0.763

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#### Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

<b>Target Compound</b>	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /06)		
n-Propylbenzene	15.21	10.04	1.515 ok	1.515	1.455-1.575		
Propylene	1.65	3.23	0.511 ok	0.511	0.451-0.571		
Styrene	12.15	10.04	1.210 ok	1.210	1.150-1.270		
1,1,1-Trichloroethane	3.87	3.23	1.198 ok	1.198	1.138-1.258		
1,1,1,2-Tetrachloroethane	10.13	10.04	1.009 ok	1.009	0.949-1.069		
1,1,2,2-Tetrachloroethane	12.38	10.04	1.233 ok	1.232	1.172-1.292		
1,1,2-Trichloroethane	6.83	4.49	1.521 ok	1.519	1.459-1.579		
1,2,4-Trichlorobenzene	18.33	10.04	1.826 ok	1.826	1.766-1.886		
1,2,3-Trichloropropane	12.65	10.04	1.260 ok	1.260	1.200-1.320		
1,2,3-Trimethylbenzene	16.96	10.04	1.689 ok	1.690	1.630-1.750		
1,2,4-Trimethylbenzene	16.55	10.04	1.648 ok	1.648	1.588-1.708		
1,3,5-Trimethylbenzene	15.93	10.04	1.587 ok	1.586	1.526-1.646		
2,2,4-Trimethylpentane	5.16	4.49	1.149 ok 1.148		1.088-1.208		
Tertiary Butyl Alcohol	2.37	3.23	0.734 ok 0.740		0.680 - 0.800		
Tetrachloroethylene	8.91	4.49	1.984 ok	1.982	1.922-2.042		
Tetrahydrofuran	3.50	3.23	1.084 ok	1.091	1.031-1.151		
Toluene	7.19	4.49	1.601 ok	1.600	1.540-1.660		
Trichloroethylene	5.07	4.49	1.129 ok	1.127	1.067-1.187		
Trichlorofluoromethane	2.16	3.23	0.669 ok	0.669	0.609-0.729		
Vinyl chloride	1.77	3.23	0.548 ok	0.548	0.488 - 0.608		
Vinyl Acetate	2.86	3.23	0.885 ok	0.887	0.827-0.947		
m,p-Xylene	11.43	10.04	1.138 ok	1.138	1.078-1.198		
o-Xylene	12.36	10.04	1.231 ok	1.231	1.171-1.291		
TVHC As Equiv Pentane	2.27	10.04	0.226 ok	0.226	0.166-0.286		
Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)	
Bromochloromethane	3.23 ok	3.23	2.90-3.56	128392	ok 131593	78956-184230	
1,4-Difluorobenzene		4.49	4.16-4.82	638040	ok 662398	397439-927357	
Chlorobenzene-D5		10.03	9.70-10.36		ok 618891	371335-866447	

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account:

SESINJPB SESI Consulting Engineers Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
Acetone (2-Propanone)	2.10	3.23	0.650	ok	0.652	0.592-0.712
Acrolein	2.06	3.23	0.638	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.02	3.23	0.625	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.74	10.04	1.369	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.50	1.113	ok	1.114	1.054-1.174
Bromoform	11.24	10.04	1.120	ok	1.119	1.059-1.179
Bromomethane	1.88	3.23	0.582	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.64	10.04	1.657	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.04	1.733	ok	1.734	1.674-1.794
sec-Butylbenzene	16.85	10.04	1.678	ok	1.678	1.618-1.738
tert-Butylbenzene	16.54	10.04	1.647	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.12	10.04	1.008	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.87	10.04	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.50	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.80	3.23	0.867	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.07	4.50	1.793	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.71	3.23	1.149	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.84	4.50	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.26	4.50	1.613	ok	1.613	1.553-1.673
1,4-Dioxane	5.07	4.50	1.127	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.50	1.716	ok	1.718	1.658-1.778
Dibromomethane	4.80	4.50	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

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## Initial Calibration Retention Time/Internal Standard Area Summary Job Number: $\ \ JE5018$

Account:

SESINJPB SESI Consulting Engineers Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	Reporting this level

<b>Target Compound</b>	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.00	4.50	1.333	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.61	10.04	1.654	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.02	10.04	1.695	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.70	10.04	1.663	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.50	1.482	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.50	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	11.00	10.04	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.29	3.23	1.019	ok	1.020	0.960-1.080
Ethyl Acrylate	4.95	4.50	1.100	ok	1.104	1.044-1.164
4-Ethyltoluene	15.66	10.04	1.560	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.71	3.23	0.529	ok	0.528	0.468-0.588
Freon 152A	1.63	3.23	0.505	ok	0.504	0.444-0.564
Heptane	5.47	4.50	1.216	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.64	10.04	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.58	10.04	1.751	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.77	4.50	1.727	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.88	10.04	1.382	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.17	3.23	0.672	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.04	10.04	1.697	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.10	4.50	1.356	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.82	3.23	0.873	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.50	1.193	ok	1.196	1.136-1.256
Naphthalene	18.38	10.04	1.831	ok	1.831	1.771-1.891
Nonane	13.49	10.04	1.344	ok	1.343	1.283-1.403
Octane	9.07	4.50	2.016	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

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#### Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)		Istd RT (min.)	Rel RT		Mean Rel RT		RT Range 06)	
n-Propylbenzene	15.21		10.04	1.515	ok	1.515	1.45	55-1.575	
Propylene	1.65		3.23	0.511	ok	0.511	0.45	51-0.571	
Styrene	12.15		10.04	1.210	ok	1.210	1.15	50-1.270	
1,1,1-Trichloroethane	3.87		3.23	1.198	ok	1.198	1.13	38-1.258	
1,1,1,2-Tetrachloroethane	10.14		10.04	1.010	ok	1.009	0.94	19-1.069	
1,1,2,2-Tetrachloroethane	12.38		10.04	1.233	ok	1.232	1.17	72-1.292	
1,1,2-Trichloroethane	6.83		4.50	1.518	ok	1.519	1.45	59-1.579	
1,2,4-Trichlorobenzene	18.33		10.04	1.826	ok	1.826	1.76	66-1.886	
1,2,3-Trichloropropane	12.66		10.04	1.261	ok	1.260	1.20	00-1.320	
1,2,3-Trimethylbenzene	16.97		10.04	1.690	ok	1.690	1.63	30-1.750	
1,2,4-Trimethylbenzene	16.55		10.04	1.648	ok	1.648	1.58	38-1.708	
1,3,5-Trimethylbenzene	15.93		10.04	1.587	ok	1.586	1.52	26-1.646	
2,2,4-Trimethylpentane	5.16		4.50	1.147	ok	1.148	1.08	38-1.208	
Tertiary Butyl Alcohol	2.37		3.23	0.734	ok	0.740	0.68	30-0.800	
Tetrachloroethylene	8.92		4.50	1.982	ok	1.982	1.92	22-2.042	
Tetrahydrofuran	3.50		3.23	1.084	ok	1.091	1.03	31-1.151	
Toluene	7.20		4.50	1.600	ok	1.600	1.54	10-1.660	
Trichloroethylene	5.07		4.50	1.127	ok	1.127	1.06	57-1.187	
Trichlorofluoromethane	2.16		3.23	0.669	ok	0.669	0.60	9-0.729	
Vinyl chloride	1.77		3.23	0.548	ok	0.548	0.48	38-0.608	
Vinyl Acetate	2.86		3.23	0.885	ok	0.887	0.82	27-0.947	
m, p-Xylene	11.43		10.04	1.138	ok	1.138	1.07	78-1.198	
o-Xylene	12.36		10.04	1.231	ok	1.231	1.17	71-1.291	
TVHC As Equiv Pentane	2.27		10.04	0.226	ok	0.226	0.16	66-0.286	
	RT		Mean	RT Ra	nge			Mean	Area Range
Internal Standard	(min.)		RT(min.)	(+ /- 0.	.33)	Area		Area	(+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.	.56	131520	ok	131593	78956-184230
1,4-Difluorobenzene	4.50	ok	4.49	4.16-4.	.82	651140	ok	662398	397439-927357
Chlorobenzene-D5	10.04	ok	10.03	9.70-10	0.36	631688	ok	618891	371335-866447

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#### **Surrogate Recovery Summary**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Method: TO-15 Matrix: AIR

#### Samples and QC shown here apply to the above method

Lab	Lab	
Sample ID	File ID	S1
JE5018-1	7W12408.D	105
JE5018-1	7W12386.D	105
JE5018-2	7W12409.D	105
JE5018-2	7W12388.D	105
JE5018-3	7W12389.D	105
JE5018-4	5W56604.D	112
JE4785-5DUP	5W56592.D	118
JE5018-1DUP	7W12387.D	106
V5W2168-BS	5W56586.D	111
V5W2168-BSD	5W56587.D	109
V5W2168-MB	5W56590.D	112
V7W411-SCC	7W11438.D	98
V7W440-BS	7W12380.D	107
V7W440-BSD	7W12382.D	107
V7W440-MB	7W12384.D	82
V7W411-BS	7W11432.D	102
V7W411-BSD	7W11433.D	103
V7W411-MB	7W11435.D	100

Surrogate Recovery Compounds Limits

S1 = 4-Bromofluorobenzene 65-128%

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V5W2144-ICC2144

5W56002.D

Raw Data: 5W55994.D 5W55995.D 5W55996.D 5W56001.D 5W56002.D 5W56003.D 5W56004.D 5W56005.D

Sample:

Lab FileID:

#### **Initial Calibration Summary**

Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

Response Factor Report GCMS5W

Method : C:\msdchem\1\methods\M5w2144.M (RTE Integrator) : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um Title

Last Update : Thu Jan 09 19:02:22 2025 Response via : Initial Calibration

Calibration Files

0.04=5w55994.D 0.1 = 5w55995.D0.2 = 5w55996.D0.5 = 5w56013.D=5w56001.D10 =5w56002.D 20 =5w56003.D 40 =5w56004.D

50 = 5w56005.D

C (	ompound		0.1	0.2	0.5	5	10	20	40	50	Avg	%RSD
1)	I BRO	)MOCHL(	OROMETI	HANE				ISTD				
2)	FREON											
											0.000	-1.00
3)	FREON		0 707	0 670	0 605	0 660	0 660	0 660	0 660	0 657	0 700	15.57
4)	CHI.ORC	O.9// DIFLUC			0.625	0.008	0.660	0.008	0.002	0.657	0.708	15.57
<b>1</b> )	CILLORG				0.311	0.335	0.337	0.340	0.341	0.340	0.322	10.26
5)	CHLORO	TRIFLU										
		1.580	1.575	1.612	1.516	1.684	1.682	1.723	1.697	1.692	1.640	4.34
6)	DICHLO	RODIFI	LUOROMI	ETHANE								
			3.254	3.326	3.153	3.357	3.302	3.232	3.015	2.854	3.184	5.09
7)	PROPYI	LENE	0.056	0 005	0 546	0 506	0 001	0 504	0 865	0 545	0 001	0 06
٥.	1 0111	NDO 1 1				0.796	0.801	0.794	0.765	0.747	0.801	8.36
8)	I-CHL(	-		UOROETI		3 461	3 344	2 1/12	2 765	2.545	3.237	11.05
9)	FREON		3.432	3.320	3.321	3.401	3.311	3.143	2.703	2.545	3.237	11.05
)	TICHOIN		4.557	4.599	4.436	4.572	4.312	3.985	3.389	3.065	4.146	13.48
10)	CHLORO	METHAN										
•		0.532	0.498	0.493	0.428	0.447	0.433	0.403	0.356	0.335	0.436	15.01
11)	VINYL	CHLOR	IDE									
				1.645	1.558	1.589	1.505	1.389	1.218	1.132	1.475	12.84
12)	1,3-BU	JTADIEN										
121	DIIII7		1.132	1.077	0.975	1.020	0.981	0.906	0.807	0.755	0.987	15.37
13)	n-BUTA		2 202	2 400	2.095	2 070	1 060	1 005	1 560	1 450	2.067	20.92
14)	BROMO!	Z.//I IETHANE		2.490	2.095	2.079	1.900	1.005	1.502	1.452	2.007	20.92
,	Ditorior			1.717	1.602	1.657	1.569	1.472	1.325	1.239	1.586	13.45
15)	CHLORO	ETHANE		_,								
		0.810	0.779	0.741	0.702	0.680	0.638	0.600	0.541	0.507	0.667	15.62
16)	DICHLO	ROFLUC	DROMETI	HANE								
				3.651	3.414	3.396	3.223	2.981	2.620	2.414	3.230	14.57
17)	ACETON	IITRILE										
10\	7 CD OT 1		1.364	1.664	1.246	1.237	1.166	1.087	0.960	0.882	1.201	20.35
18)	ACROLE	EIN		0 690	0 625	0 530	0 521	0 491	0 440	0.410	0.531	18.66
19)	FREON	123		0.090	0.023	0.559	0.521	0.491	0.440	0.410	0.551	10.00
1)	TREON		3.873	3.863	3.681	3.730	3.507	3.270	2.875	2.643	3.489	13.39
20)	FREON											
•		2.115	2.206	2.146	2.081	2.097	1.986	1.863	1.666	1.552	1.968	11.57
21)	TRICHI	LOROFLU										
				3.302	4.128	3.611	3.416	3.198	2.721	2.695	3.505	17.14
22)	ISOPRO	PYL AI	LCOHOL	0 754	0 007	1 020	1 725	1 (5)	1 420	1 240	1 050	06 24
221	у Ошшол	יחד		2./54	2.207	1.839	1./35	1.659	1.432	1.340	1.852	26.34
23)	ACETON	N.C.										

Initial Calibration Summary

Job Number: JE5018
Account: SESINJPB SESI Consulting Engineers
Project: Ossining Investigation, 34 State Street, Ossining, NY Page 2 of 4 Sample: V5W2144-ICC2144 Lab FileID: 5W56002.D

Trojecti	Ossiming investigation,	34 Blate Bli		iiiig, 141					
	0.9	48 0.680	0.608	0.555	0.514	0.448	0.416	0.596	30.21
24)	PENTANE 1.138 1.064 0.9	92 0.901	0.931	0.901	0.864	0.832	0.807	0.937	11.67
25)	IODOMETHANE 2.657 2.712 2.7								2.70
26)	1,1-DICHLOROETHYLENE								
27)	1.065 0.968 0.9 CARBON DISULFIDE	46 0.906	0.928	0.909	0.883	0.850	0.831	0.921	7.55
28)	2.450 2.649 2.7 ETHANOL	88 2.645	2.770	2.640	2.539	2.402	2.314	2.577	6.33
•		1.054	0.787	0.739	0.669	0.553	0.513	0.719	27.07
29)	BROMOETHENE 1.684 1.596 1.5	82 1.563	1.563	1.519	1.450	1.320	1.242	1.502	9.40
30)	ACRYLONITRILE 0.541 0.665 0.7	40 0 E06	0 546	0 526	0 510	0 400	0 400	0.559	15.33
31)	METHYLENE CHLORIDE								
32)	1.155 0.991 0.9 3-CHLOROPROPENE	74 0.931	0.897	0.854	0.825	0.778	0.748	0.906	13.81
33)	0.288 0.370 0.4 FREON 113	29 0.400	0.437	0.431	0.422	0.404	0.389	0.397	11.65
	1.689 1.727 1.7		1.715	1.691	1.686	1.698	1.707	1.711	1.72
34)	TRANS-1,2-DICHLOROETH 0.954 0.971 1.0		0.982	0.975	0.962	0.949	0.941	0.966	2.11
35)	TERTIARY BUTYL ALCOHO 1.434 1.519 1.5		1.695	1.669	1.645	1.527	1.412	1.560	6.36
36)	METHYL TERTIARY BUTYL 2.016 2.086 2.1		2 405	2 470	2 472	2 200	2 221	2.294	7.76
37)	TETRAHYDROFURAN								
38)	0.219 0.2 HEXANE	78 0.335	0.421	0.426	0.425	0.409	0.401	0.364	21.63
39)	1.169 1.134 1.1 VINYL ACETATE	64 1.192	1.350	1.360	1.421	1.486	1.454	1.303	10.64
40)		50 0.095	0.165	0.174	0.186	0.182	0.179	0.147	36.06
•	1.687 1.610 1.7	02 1.661	1.740	1.670	1.647	1.576	1.536	1.648	3.88
41)	METHYL ETHYL KETONE 0.220 0.2	93 0.336	0.420	0.432	0.430	0.414	0.405	0.369	21.16
42)	cis-1,2-DICHLOROETHYL 1.362 0.963 1.0		1 031	1 024	1 034	1 016	1 004	1.050	11.35
43)	DIISOPROPYL ETHER								
44)	0.290 0.3 ETHYL ACETATE								14.52
45)	0.1 METHYL ACRYLATE	97 0.245	0.303	0.307	0.304	0.301	0.292	0.278	15.07
46)	1.0 CHLOROFORM	82 1.239	1.690	1.694	1.734	1.743	1.687	1.553	17.55
•	2.326 2.338 2.3	40 2.187	2.283	2.208	2.133	2.023	1.965	2.200	6.28
47)	2,4-DIMETHYLPENTANE 1.237 1.183 1.2	41 1.320	1.534	1.555	1.551	1.519	1.496	1.404	11.07
48)	1,1,1-TRICHLOROETHANE 2.131 2.291 2.3		2.346	2.312	2.320	2.286	2.257	2.279	2.99
49)	CARBON TETRACHLORIDE 2.320 2.445 2.4								
50)	1,2-DICHLOROETHANE								
	1.108 1.296 1.3								7.17
51) 1 52)	I 1,4-DIFLUOROBENZEN BENZENE	Е		:	ISTD				
	0.590 0.631 0.6	13 0.596	0.647	0.654	0.680	0.698	0.704	0.646	6.53
53)	CYCLOHEXANE								

#### Page 3 of 4

Initial Calibration Summary
Job Number: JE5018
Account: SESINJPB SESI Consulting Engineers
Project: Ossining Investigation, 34 State Street, Ossining, NY **Sample:** V5W2144-ICC2144 **Lab FileID:** 5W56002.D

Project	Ossining Investigation, 34	State Str	eet, Ossi	ning, NY	,	111012	211200	0 <b>2</b> .2	
<b></b>	0.233 0.221 0.212	0.230	0.262	0.268	0.276	0.281	0.285	0.252	11.13
54)	2,3-DIMETHYLPENTANE 0.094 0.114 0.125	0.116	0.134	0.137	0.142	0.150	0.154	0.129	14.76
55)	TRICHLOROETHYLENE 0.326 0.308 0.306	0.323	0.337	0.337	0.360	0.397	0.407	0.345	10.59
56)	1,2-DICHLOROPROPANE 0.256 0.251 0.244	0 243	0 254	0 257	0 265	0 282	0 284	0.260	5.71
57)	DIBROMOMETHANE 0.390 0.352 0.354							0.371	11.13
58)	ETHYL ACRYLATE								
59)	0.272 BROMODICHLOROMETHANE	0.306	0.451	0.470	0.487	0.497	0.496	0.426	22.41
60)	0.571 0.566 0.588 2,2,4-TRIMETHYLPENTANE	0.559	0.605	0.609	0.633	0.670	0.683	0.609	7.35
61)	0.797 0.829 0.804 1,4-DIOXANE	0.868	0.997	0.992	1.007	1.038	1.023	0.928	10.90
	0.104 0.108	0.145	0.163	0.164	0.171	0.181	0.185	0.153	20.48
62)	HEPTANE 0.250 0.287 0.298	0.318	0.367	0.368	0.377	0.391	0.393	0.339	15.24
63)	METHYL METHACRYLATE 0.123 0.151	0.177	0.224	0.231	0.240	0.242	0.246	0.204	23.20
64)	METHYL ISOBUTYL KETONE 0.104	0.127	0.188	0.193	0.202	0.210	0.214	0.177	24.46
65)	cis-1,3-DICHLOROPROPENE 0.271 0.312 0.322							0.400	21.92
66)	TOLUENE							0.467	17.76
67)	0.377 0.370 0.379 1,3-DICHLOROPROPANE								
68)	0.286 0.341 0.358 trans-1,3-DICHLOROPROPER	NE						0.390	13.48
69)	0.289 0.285 1,1,2-TRICHLOROETHANE	0.303	0.393	0.415	0.447	0.474	0.486	0.387	21.61
	0.200 0.267 0.262	0.253	0.276	0.283	0.295	0.311	0.318	0.274	12.81
-	CHLOROBENZENE-D5				ISTD				
71)		0.385	0.542	0.545	0.527	0.475	0.457	0.448	27.18
72)	ETHYL METHACRYLATE 0.443	0.569	0.819	0.809	0.771	0.687	0.655	0.679	20.27
73)	TETRACHLOROETHYLENE								
74)	0.708 0.734 0.726 DIBROMOCHLOROMETHANE							0.705	4.98
75)	1.062 1.206 1.262 1,2-DIBROMOETHANE	1.232	1.378	1.356	1.308	1.184	1.134	1.236	8.33
76)	0.805 0.873 0.931 OCTANE	0.953	1.033	1.008	0.963	0.869	0.842	0.920	8.39
77)	0.743 0.734 0.766 1,1,1,2-TETRACHLOROETHAI		1.046	1.024	0.989	0.893	0.841	0.877	13.72
	0.793 0.818 0.820		0.874	0.859	0.866	0.829	0.805	0.832	3.36
78)	CHLOROBENZENE 1.358 1.433 1.499	1.416	1.448	1.406	1.369	1.256	1.199	1.376	6.89
79)	ETHYLBENZENE 1.562 1.692 1.684	1.813	2.113	2.097	2.006	1.764	1.659	1.821	11.11
80)	m,p-XYLENE 0.554 0.598 0.643	0.738	0.871	0.853	0.822	0.756	0.733	0.730	15.35
81)	O-XYLENE 0.500 0.561 0.606	0.722	0.846	0.828	0.816	0.771	0.738	0.710	17.63
82)	STYRENE 0.719 0.769							1.035	20.94
83)	NONANE								

Sample: V5W2144-ICC2144 SESINJPB SESI Consulting Engineers Lab FileID: 5W56002.D Account:

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

TToject	. Ossining investigation, 34 St.	ale Sile	cet, Ossii	iiig, N i					
	0.699 0.724 0.785 0	.906	1.124	1.084	1.027	0.912	0.858	0.902	16.93
84)	BROMOFORM								
85)	1.027 1.057 1.156 1 4-BROMOFLUOROBENZENE	.208	1.364	1.353	1.315	1.218	1.176	1.208	9.98
03)	1.274 1.279 1.295 1	.292	1.273	1.211	1.104	0.958	0.916	1.178	12.68
86)	1,1,2,2-TETRACHLOROETHANE								
87)	1.204 1.402 1.411 1	.418	1.491	1.435	1.391	1.267	1.175	1.355	8.18
87)	1,2,3-TRICHLOROPROPANE 0.913 0.995 1.000 1	.022	1.025	0.967	0.896	0.788	0.755	0.929	10.79
88)	ISOPROPYLBENZENE								
00)	1.933 2.029 2.044 2	.220	2.515	2.466	2.348	2.065	1.936	2.173	10.26
89)	BROMOBENZENE 1.022 1.172 1.154 1	.166	1.238	1.188	1.121	1.007	0.963	1.115	8.48
90)	2-CHLOROTOLUENE								
01)	0.496 0.513 0	.576	0.690	0.676	0.655	0.602	0.594	0.600	11.93
91)	n-PROPYLBENZENE 0.448 0.447 0.481 0	588	0 713	0 692	0 658	0 599	0 582	0.579	17.48
92)	4-ETHYLTOLUENE	.500	0.713	0.052	0.050	0.333	0.302	0.375	17.10
0.2.\	1.603 1.702 2	.003	2.544	2.437	2.321	2.003	1.853	2.058	16.74
93)	1,3,5-TRIMETHYLBENZENE 1.268 1.397 1.511 1	. 791	2.084	2.012	1.915	1.686	1.572	1.693	16.57
94)	ALPHA-METHYLSTYRENE	• / / -	2.001		_,,_,		1,0,2	2.000	
0.5.)	0.607 0.636 0	.818	1.106	1.098	1.065	0.976	0.947	0.907	22.01
95)	tert-BUTYLBENZENE 0.296 0.309 0	377	0 473	0 474	0 483	0 463	0 446	0.415	18.56
96)	1,2,4-TRIMETHYLBENZENE	• 5 / /	0.173	0.171	0.105	0.105	0.110	0.113	10.50
0.5.)	1.362 1.466 1	.875	2.218	2.169	2.131	1.853	1.673	1.843	17.55
97)	m-DICHLOROBENZENE 1.403 1.370 1.449 1	. 615	1.722	1.681	1.653	1.492	1.400	1.532	8.90
98)	BENZYL CHLORIDE	.010	_,,	1.001			1.100	1.002	0.70
00)	1.410 1	.571	2.053	2.060	2.049	1.825	1.654	1.803	14.67
99)	p-DICHLOROBENZENE 1.326 1.405 1.392 1	590	1 647	1 554	1 482	1 319	1 245	1.440	9.49
100)	sec-BUTYLBENZENE	. 550	1.017	1.331	1.102	1.313	1.213	1.110	J. 1J
	0.381 0.418 0	.492	0.593	0.567	0.541	0.498	0.481	0.496	14.41
101)	1,2,3-TRIMETHYLBENZENE 1.312 1.441 1.556 1	. 930	2.235	2.172	2.087	1.870	1.720	1.814	18.12
102)	p-ISOPROPYLTOLUENE	.,,,	_,	_,_,_			1.720	1.011	10.11
102)	0.412 0.487 0	.607	0.691	0.666	0.651	0.612	0.585	0.589	16.06
103)	o-DICHLOROBENZENE 1.313 1.326 1.389 1	616	1 573	1 493	1 412	1 263	1 200	1.398	10.02
104)	n-BUTYLBENZENE								
105)	0.361 0.407 0	.524	0.668	0.657	0.647	0.607	0.588	0.557	20.99
105)	HEXACHLOROETHANE 0.838 0.941 0.934 0	967	1 124	1 100	1 117	1 022	0 941	0.998	9.91
106)	HEXACHLOROBUTADIENE	. 50 1	1.121	1.100		1.022	0.711	0.550	J.J±
400)	1.315 1.202 1.218 1	.278	1.408	1.431	1.538	1.424	1.306	1.347	8.23
107)	1,2,4-TRICHLOROBENZENE 1.497 1.146 1.068 1	625	1 358	1 308	1 281	1 223	1 180	1.298	13.51
108)	NAPHTHALENE	.025	1.550	1.500	1.201	1.225	1.100	1.200	13.31
	3.232 2.218 2.169 3	.940	3.184	3.078	2.884	2.360	2.102	2.796	22.39
109)	I BROMOCHLOROMETHANE (A		. <b></b> _	Т	dTS				
	TVHC as equiv Pentane			1				-	
								5.856	8.68
	- Out of Pango ### Number								-

(#) = Out of Range ### Number of calibration levels exceeded format ###

M5w2144.M Thu Jan 09 19:07:44 2025

Page 1 of 3

#### **Initial Calibration Verification**

Job Number: JE5018 V5W2144-ICV2144 Sample:

SESINJPB SESI Consulting Engineers Lab FileID: 5W56014.D Account:

Ossining Investigation, 34 State Street, Ossining, NY Project:

#### Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w56014.D Vial: 4 Acq On : 9 Jan 2025 3:42 pm Operator: thomash Sample : icv2144-10 Inst : GCMS5W

: MS88386,V5W2144,,,,,1 Misc Multiplr: 1.00

MS Integration Params: RTEINT1.P

: C:\msdchem\1\methods\M5w2144.M (RTE Integrator) Method Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um

Last Update : Thu Jan 09 19:02:22 2025 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min

Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(mi	n)R.T.
1 I 2	BROMOCHLOROMETHANE FREON 115	1.000	1.000	0.0 NA	98	0.00	7.66
3	FREON 152A	0.708	0.652	7.9	97	0.00	3.53
4	CHLORODIFLUOROMETHANE	0.322	0.331	-2.8	96	0.00	3.56
5	CHLOROTRIFLUOROETHENE						3.59
6	DICHLORODIFLUOROMETHANE	3.184	1.648 3.248	-2.0	97	0.00	3.64
7	PROPYLENE	0.801	0.777	3.0	95	0.00	3.58
8	1-CHLORO-1,1-DIFLUOROETHA	3.237	3.303 4.305 0.426	-2.0	97	0.00	3.74
9		4.146	4.305	-3.8	98	0.00	3.83
10	FREON 114 CHLOROMETHANE	0.436	0.426	2.3	97	0.00	3.75
11	VINYL CHLORIDE 1,3-BUTADIENE n-BUTANE BROMOMETHANE	1.475	1.488 0.967 1.974	-0.9	97	0.00	3.91
12	1,3-BUTADIENE	0.987	0.967	2.0	97	0.00	4.01
13	n-BUTANE	2.067	1.974	4.5	99	0.00	4.05
14	BROMOMETHANE	1.586	1.560	1.6	98	0.00	4.21
15	CHLOROETHANE	0.667	0 641	3 9	99	0.00	4.33
16	DICHLOROFLUOROMETHANE	3.230	3.276	-1.4	100		4.40
17	ACETONITRILE	1.201	1.220	-1.6	103	0.00	4.60
18	ACROLEIN	0.531	1.220 0.544 3.421	-2.4	102	0.00	4.70
19	FREON 123	3.489	3.421	1.9	96	0.00	4.71
20	FREON 123A	1.968	1.825	7.3	90	0.00	4.76
21	TRICHLOROFLUOROMETHANE	3.505	3.705 1.809	-5.7	106	0.00	4.92
22	ISOPROPYL ALCOHOL	1.852				0.00	5.01
23	TRICHLOROFLUOROMETHANE ISOPROPYL ALCOHOL ACETONE	0.596	0.564	5.4	100		4.80
24	PENIANE	0.937	0.897 2.800	4.3	98	0.00	5.21
25	IODOMETHANE	2.763	2.800	-1.3	96	0.00	5.40
26	1,1-DICHLOROETHYLENE	0.921	0.907 2.803 0.621	1.5	98	0.00	5.46
27	CARBON DISULFIDE	2.577	2.803	-8.8	104	0.00	5.83
28	ETHANOL	0.719	0.621	13.6	82	0.00	4.43
29	CARBON DISULFIDE ETHANOL BROMOETHENE	1.502	1.509	-0.5	97	0.00	4.60
30	ACKIDONIIKIDD	0.337	0.534 0.877	4.5	100	0.00	5.19
31	METHYLENE CHLORIDE	0.906	0.877	3.2	101	0.00	5.57
32	3-CHLOROPROPENE FREON 113	0.397	0.429	-8.1	98	0.00	5.67
33			1.724 0.989	-0.8	100	0.00	5.80
34	TRANS-1,2-DICHLOROETHYLEN	0.966	0.989	-2.4		0.00	6.43
35	TERTIARY BUTYL ALCOHOL	1.560	1.848	-18.5	109		5.52
36	METHYL TERTIARY BUTYL ETH	2.294	2.476 0.431	-7.9	98	0.00	6.69
37	TETRAHYDROFURAN	0.364	0.431	-18.4	99	0.00	8.23
38	HEXANE	1.303	1.338 0.180 1.660	-2.7	97	0.00	7.69
39	VINYL ACETATE	0.147	0.180	-22.4	102	0.00	6.79
40	1,1-DICHLOROETHANE	1.648	1.660	-0.7	98	0.00	6.63
41	METHYL ETHYL KETONE		0.427	-15.7			7.04
42	cis-1,2-DICHLOROETHYLENE	1.050	1.019	3.0	98	0.00	7.48

### Initial Calibration Verification

Page 2 of 3

Job Number: JE5018 Account: SESINJPB SESI Consulting En Project: Ossining Investigation, 34 State		neers treet, Ossin	ing, NY	Sample: Lab FileID:		V5W2144-ICV2144 5W56014.D		
43	DIISOPROPYL ETHER	0.390	0.407	-4.4	97	0.00	7.70	
44	ETHYL ACETATE	0.278	0.308		98	0.00	7.73	
45	METHYL ACRYLATE	1.553	1.716	-10.5	99	0.00	7.72	
46	CHLOROFORM	2.200	2.262	-2.8	101	0.00	7.80	
47	2,4-DIMETHYLPENTANE	1.404	1.548	-10.3	98	0.00	8.65	
48	1,1,1-TRICHLOROETHANE	2.279	2.361		100	0.00	8.86	
49	CARBON TETRACHLORIDE	2.514	2.577	-2.5	97	0.00	9.55	
50	1,2-DICHLOROETHANE	1.342	1.398	-4.2	98	0.00	8.59	
51 I	1,4-DIFLUOROBENZENE	1.000	1.000		98	0.00	9.82	
52	BENZENE	0.646	0.658		99	0.00	9.38	
53 54	CYCLOHEXANE	0.252 0.129	0.265 0.135		97 97	0.00	9.69 9.99	
54 55	2,3-DIMETHYLPENTANE	0.129	0.135		97 98	0.00		
55 56	TRICHLOROETHYLENE 1,2-DICHLOROPROPANE	0.345	0.337		98 98	0.00	10.64 10.35	
57	DIBROMOMETHANE	0.200	0.257		100	0.00	10.33	
58	ETHYL ACRYLATE	0.426	0.332	-11.5	99	0.00	10.32	
59	BROMODICHLOROMETHANE	0.609	0.473		99	0.00	10.59	
60	2,2,4-TRIMETHYLPENTANE	0.928	0.980	-5 6	97	0.00	10.67	
61	1,4-DIOXANE	0.153	0.158		95	0.00	10.66	
62	HEPTANE	0.339	0.363	-7.1	97	0.00	11.02	
63	METHYL METHACRYLATE	0.204	0.233		99	0.00	10.92	
64	METHYL ISOBUTYL KETONE	0.177	0.194		99	0.00	11.78	
65	cis-1,3-DICHLOROPROPENE		0.415		92	0.00	11.72	
66	TOLUENE	0.467	0.500	-7.1	98	0.00	12.95	
67	1,3-DICHLOROPROPANE	0.390	0.427	-9.5	100	0.00	13.00	
68	trans-1,3-DICHLOROPROPENE	0.387	0.416	-7.5	99	0.00	12.40	
69	1,1,2-TRICHLOROETHANE	0.274	0.287	-4.7	100	0.00	12.60	
70 I	CHLOROBENZENE-D5	1.000	1.000		98	0.00	15.34	
71	2-HEXANONE	0.448	0.548		99	0.00	13.35	
72	ETHYL METHACRYLATE	0.679	0.836		102	0.00	13.38	
73 74	TETRACHLOROETHYLENE DIBROMOCHLOROMETHANE	0.705 1.236	0.732		100	0.00	14.46 13.50	
74 75	1,2-DIBROMOETHANE	0.920	1.384	-12.0	100 100	0.00	13.82	
75 76	OCTANE	0.877	1.021		98	0.00	14.32	
77	1,1,1,2-TETRACHLOROETHANE		0.869		100	0.00	15.38	
78	CHLOROBENZENE	1.376	1.412		99	0.00	15.40	
79	ETHYLBENZENE	1.821	2.111	-15.9	99	0.00	15.95	
80	m,p-XYLENE			-17.5			16.23	
81	O-XYLENE	0.710	0.833		99	0.00	16.89	
82	STYRENE	1.035	1.239		97	0.00	16.74	
83	NONANE	0.902	1.082	-20.0	98	0.00	17.30	
84	BROMOFORM	1.208	1.359	-12.5	99	0.00	16.28	
85 S	4-BROMOFLUOROBENZENE	1.178	1.218	-3.4	99	0.00	17.59	
86	1,1,2,2-TETRACHLOROETHANE	1.355	1.488	-9.8	102	0.00	16.90	
87	1,2,3-TRICHLOROPROPANE	0.929	1.003		102	0.00	17.09	
88	ISOPROPYLBENZENE	2.173	2.504		100	0.00	17.81	
89	BROMOBENZENE	1.115	1.234		102	0.00	17.90	
90	2-CHLOROTOLUENE	0.600	0.703		102	0.00	18.54	
91	n-PROPYLBENZENE	0.579	0.703		100	0.00	18.63	
92	4-ETHYLTOLUENE	2.058	2.452	-19.1	99	0.00	18.88	
93	1,3,5-TRIMETHYLBENZENE	1.693	2.044	-20.7	100	0.00	19.00	
94	ALPHA-METHYLSTYRENE	0.907	1.079		97 102	0.00	19.25	
95 96	tert-BUTYLBENZENE 1,2,4-TRIMETHYLBENZENE	0.415 1.843	0.490	-18.1 -20.5	102 101	0.00	19.61	
96	m-DICHLOROBENZENE	1.532	2.221 1.754		101	0.00	19.62 19.81	
98	BENZYL CHLORIDE	1.803	2.284		103	0.00	19.81	
99	p-DICHLOROBENZENE	1.440	1.599		101	0.00	19.92	
100	sec-BUTYLBENZENE	0.496	0.585	-17.9	102	0.00	20.01	
		5.170	2.303	±1.0		2.30		

#### **Initial Calibration Verification**

Initial Job Numb Account: Project:	Calibration Verification Der: JE5018 SESINJPB SESI Consulting Eng Ossining Investigation, 34 State		ing, NY	Sample: Lab FileID:		W2144-ICV 56014.D	Page 3 of 3 2144
101	1,2,3-TRIMETHYLBENZENE	1.814	2.235	-23.2	101	0.00	20.23
102	p-ISOPROPYLTOLUENE	0.589	0.700	-18.8	103	0.00	20.26
103	o-DICHLOROBENZENE	1.398	1.543	-10.4	102	0.00	20.40
104	n-BUTYLBENZENE	0.557	0.673	-20.8	101	0.00	20.85
105	HEXACHLOROETHANE	0.998	1.043	-4.5	93	0.00	21.31
106	HEXACHLOROBUTADIENE	1.347	1.507	-11.9	104	-0.02	23.35
107	1,2,4-TRICHLOROBENZENE	1.298	1.409	-8.6	106	-0.01	23.21
108	NAPHTHALENE	2.796	3.506	-25.4	112	-0.02	22.87
109 I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	98	0.00	7.66
110	TVHC as equiv Pentane	5.856	5.722	2.3	96 	0.00	5.21

(#) = Out of Range SPCC's out = 0 CCC's out = 0 5w56002.D M5w2144.M Thu Jan 09 19:07:14 2025

### **Continuing Calibration Summary**

Job Number:JE5018Sample:V5W2168-CC2144Account:SESINJPB SESI Consulting EngineersLab FileID:5W56585.D

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\1...025\v5w2168\5w56585.D Vial: 2

 Acq On
 : 3 Feb 2025 10:27 am
 Operator: williamc

 Sample
 : cc2144-10
 Inst : GCMS5W

 Misc
 : MS89211,V5W2168,,,,,1
 Multiplr: 1.00

MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2144.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um

Last Update : Thu Jan 09 19:02:22 2025 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min

Max. RRF Dev : 30% Max. Rel. Area : 140%

Compound		AvgRF	CCRF	%Dev	Area%	Dev(mi	n)R.T.
1 I 2			1.000		98	0.00	7.65
3	FREON 152A	0.708	0.678	4.2	101	0.00	3.53
4	CHLORODIFLUOROMETHANE	0.322	0.363	-12.7			3.56
5	CHLOROTRIFLUOROETHENE	1.640	1.873	-14.2	110		3.59
6	DICHLORODIFLUOROMETHANE	3.184	1.873 3.697 0.797	-16.1	110	0.00	3.64
7	PROPYLENE	0.801	0.797	0.5	98	0.00	3.58
8	1-CHLORO-1,1-DIFLUOROETHA	3.237	3.385 3.993 0.368	-4.6	100	0.00	3.74
9		4.146	3.993	3.7	91	0.00	3.83
10	FREON 114 CHLOROMETHANE	0.436	0.368	15.6	84	0.00	3.75
11	VINYL CHLORIDE 1,3-BUTADIENE n-BUTANE BROMOMETHANE	1.475	1.277 0.797 1.598	13.4	84	0.00	3.91
12	1,3-BUTADIENE	0.987	0.797	19.3	80	0.00	4.01
13	n-BUTANE	2.067	1.598	22.7	80	0.00	4.05
14	BROMOMETHANE	1.586	1.431 0.520 2.866	9.8	90	0.00	4.21
15	CHLOROETHANE	0.667	0.520	22.0	80	0.00	4.33
16	DICHLOROFLUOROMETHANE	3.230	2.866	11.3	88	0.00	4.40
17	ACETONITRILE	1.201	0.926 0.416 3.071	22.9	78		4.60
18	ACROLEIN	0.531	0.416	21.7	79	0.00	4.70
19	FREON 123	3.489	3.071	12.0	86	0.00	4.71
20	FREON 123A	1.968	1.816 4.276 1.830	7.7	90	0.00	4.76
21	TRICHLOROFLUOROMETHANE	3.505	4.276	-22.0	123	0.00	4.92
22	TRICHLOROFLUOROMETHANE ISOPROPYL ALCOHOL ACETONE	1.852	1.830	1.2	104		5.01
23	ACETONE	0.596	0.465	22.0	82	0.00	4.80
24	PENTANE	0.937	0.841 3.056	10.2	92	0.00	5.21
25	IODOMETHANE	2.763	3.056	-10.6	106	0.00	5.40
26	1,1-DICHLOROETHYLENE	0.921	0.980	-6.4	106	0.00	5.46
27	1,1-DICHLOROETHYLENE CARBON DISULFIDE ETHANOL BROMOETHENE	2.577	0.980 2.729 0.561	-5.9	102	0.00	5.83
28	ETHANOL	0.719	0.561	22.0	75	0.00	4.43
29	BROMOETHENE	1.502	1.338	10.9	87	0.00	4.60
30	ACRYLONITRILE	0.559	0.512 0.880	8.4		0.00	5.18
31	METHYLENE CHLORIDE	0.906	0.880	2.9	101	0.00	5.57
32	3-CHLOROPROPENE	0.397	0.443 1.645 1.042	-11.6	101	0.00	5.67
33	FREON 113	1.711	1.645	3.9	96	0.00	5.80
34	TRANS-1,2-DICHLOROETHYLEN	0.966	1.042	-7.9	105	0.00	6.43
35	TERTIARY BUTYL ALCOHOL		1.676			0.00	5.52
36	METHYL TERTIARY BUTYL ETH	2.294	2.490	-8.5	99	0.00	6.68
37	TETRAHYDROFURAN	0.364	0.424	-16.5	98	0.00	8.22
38	HEXANE	1.303	1.290 0.182 1.661	1.0	93	0.00	7.68
39	VINYL ACETATE	0.147	0.182	-23.8	103	0.00	6.79
40	1,1-DICHLOROETHANE	1.648	1.661	-0.8	98	0.00	6.63
41	METHYL ETHYL KETONE		0.426	-15.4	97		7.03
42	cis-1,2-DICHLOROETHYLENE	1.050	1.089	-3.7	105	0.00	7.48

### Continuing Calibration Summary Job Number: JE5018 Page 2 of 3 Sample: V5W2168-CC2144

SESINJPB SESI Consulting Engineers Lab FileID: 5W56585.D Account: **Project:** Ossining Investigation, 34 State Street, Ossining, NY 43 DIISOPROPYL ETHER 0.390 0.398 -2.195 0.00 7.69 0.278 44 ETHYL ACETATE 0.293 -5.4 94 0.00 7.73 45 METHYL ACRYLATE 1.553 1.689 -8.8 98 0.00 7.71 CHLOROFORM 2.200 -6.5 105 0.00 7.79 46 2.343 47 2,4-DIMETHYLPENTANE 1.404 1.465 -4.3 93 0.00 8.65 1,1,1-TRICHLOROETHANE 48 2.279 2.561 -12.4109 0.00 8.86 49 CARBON TETRACHLORIDE 2.514 2.906 -15.6 110 0.00 9.55 50 -9.0 103 0.00 8.59 1,2-DICHLOROETHANE 1.342 1.463 1.000 1,4-DIFLUOROBENZENE 103 0.00 51 I 1.000 0.0 9.82 0.646 0.628 2.8 99 0.00 9.38 52 BENZENE 53 0.252 0.252 0.0 97 0.00 9.68 CYCLOHEXANE 0.00 54 2,3-DIMETHYLPENTANE 0.129 0.126 2.3 96 9.98 0.345 55 0.354 108 0.00 TRICHLOROETHYLENE -2.6 10.64 56 1,2-DICHLOROPROPANE 0.260 0.236 9.2 95 0.00 10.34 57 DIBROMOMETHANE 0.371 0.286 22.9 85 0.00 10.32 58 0.426 0.454 -6.6 100 0.00 10.40 ETHYL ACRYLATE 59 0.609 0.633 107 0.00 10.59 BROMODICHLOROMETHANE -3.960 2,2,4-TRIMETHYLPENTANE 0.928 0.905 2.5 94 0.00 10.67 61 1,4-DIOXANE 0.153 0.166 -8.5 105 0.00 10.65 62 HEPTANE 0.339 0.336 0.9 94 0.00 11.02 METHYL METHACRYLATE 0.00 63 0.204 0.224 -9.8 100 10.92 64 METHYL ISOBUTYL KETONE 0.177 0.179 -1.1 96 0.00 11.77 99 11.71 65 cis-1,3-DICHLOROPROPENE 0.400 0.426 -6.5 0.00 0.481 66 TOLUENE 0.467 -3.0 99 0.00 12.95 67 1,3-DICHLOROPROPANE 0.390 0.412 101 0.00 12.99 -5.6 68 trans-1,3-DICHLOROPROPENE 0.387 0.413 -6.7103 0.00 12.39 69 1,1,2-TRICHLOROETHANE 0.274 0.277 -1.1 101 0.00 12.60 70 I CHLOROBENZENE-D5 1.000 1.000 0.0 104 0.00 15.33 0.448 0.509 -13.6 97 0.00 13.34 71 2-HEXANONE 72 0.679 0.772 -13.799 0.00 13.38 ETHYL METHACRYLATE 0.705 90 0.00 14.45 73 TETRACHLOROETHYLENE 0.625 11.3 74 DIBROMOCHLOROMETHANE 1.236 1.437 -16.3110 0.00 13.50 75 1,2-DIBROMOETHANE 0.920 1.075 -16.8 111 0.00 13.81 76 0.877 0.947 96 0.00 14.32 OCTANE -8.0 77 0.832 0.876 106 0.00 15.38 1,1,1,2-TETRACHLOROETHANE -5.3 78 CHLOROBENZENE 1.376 1.373 0.2 101 0.00 15.40 79 1.821 2.096 -15.1104 0.00 15.95 ETHYLBENZENE 80 0.730 0.839 -14.9102 0.00 16.22 m,p-XYLENE 0.00 81 O-XYLENE 0.710 0.820 -15.5103 16.89 0.00 82 STYRENE 1.035 1.254 -21.2 104 16.74 83 NONANE 0.902 1.023 -13.4 98 0.00 17.30 84 BROMOFORM 1.208 1.172 3.0 90 0.00 16.28 85 1.178 1.284 -9.0 0.00 S 4-BROMOFLUOROBENZENE 110 17.58 86 1,1,2,2-TETRACHLOROETHANE 1.355 1.462 -7.9106 0.00 16.89 87 1,2,3-TRICHLOROPROPANE 0.929 0.947 -1.9102 0.00 17.08 88 ISOPROPYLBENZENE 2.173 2.459 -13.2 104 0.00 17.80 1.115 1.191 -6.8 104 0.00 17.90 89 BROMOBENZENE 90 0.600 0.715 -19.2110 0.00 18.53 2-CHLOROTOLUENE -22.5 91 n-PROPYLBENZENE 0.579 0.709 106 0.00 18.63 92 2.058 2.440 -18.6 104 0.00 18.87 4-ETHYLTOLUENE 93 1.693 2.019 -19.3104 0.00 19.00 1,3,5-TRIMETHYLBENZENE 94 ALPHA-METHYLSTYRENE 0.907 1.101 -21.4104 0.00 19.24 95 tert-BUTYLBENZENE 0.415 0.470 -13.3103 0.00 19.60 1.843 0.00 96 1,2,4-TRIMETHYLBENZENE 2.186 -18.6105 19.62 97 m-DICHLOROBENZENE 1.532 1.642 -7.2 101 0.00 19.81 98 BENZYL CHLORIDE 1.803 2.149 -19.2 108 0.00 19.80 99 103 0.00 19.91 p-DICHLOROBENZENE 1.440 1.542 -7.1 100 0.496 0.569 -14.7104 0.00 20.01 sec-BUTYLBENZENE

Contin Job Numl Account: Project:	ber: JE5018 SESINJPB SESI Consulting Eng Ossining Investigation, 34 State	gineers	ing, NY	Sample: Lab FileID:		W2168-CC2 56585.D	Page 3 of 3 2144
101	1,2,3-TRIMETHYLBENZENE	1.814	2.195	-21.0	105	0.00	20.23
102	p-ISOPROPYLTOLUENE	0.589	0.675	-14.6	105	0.00	20.25
103	o-DICHLOROBENZENE	1.398	1.483	-6.1	103	0.00	20.39
104	n-BUTYLBENZENE	0.557	0.660	-18.5	104	0.00	20.85
105	HEXACHLOROETHANE	0.998	1.210	-21.2	114	-0.01	21.31
106	HEXACHLOROBUTADIENE	1.347	0.972	27.8	71	-0.02	23.34
107	1,2,4-TRICHLOROBENZENE	1.298	1.126	13.3	89	-0.02	23.20
108	NAPHTHALENE	2.796	3.490	-24.8	118	-0.02	22.86
109 I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	98	0.00	7.65
110	TVHC as equiv Pentane	5.856	5.602	4.3	94	0.00	5.21

(#) = Out of Range SPCC's out = 0 CCC's out = 0 5w56002.D M5w2144.M Tue Feb 04 05:54:55 2025

7W11243.D

Page 1 of 4

Raw Data: 7W11233.D 7W11234.D 7W11235.D 7W11237.D 7W11238.D 7W11240.D 7W11241.D 7W11242.D

# **Initial Calibration Summary**

Job Number: JE5018 V7W405-ICC405 Sample: SESINJPB SESI Consulting Engineers Lab FileID: 7W11240.D Account:

Ossining Investigation, 34 State Street, Ossining, NY Project:

Response Factor Report MS7W

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator) : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um Title

Last Update : Sun Dec 29 19:41:17 2024 Response via : Initial Calibration

Calibration Files

0.04=7w11233.D 0.10=7w11234.D 0.20=7w11235.D 0.5 = 7w11237.D5.0 = 7w11238.D10 =7w11240.D 20 =7w11241.D 40 =7w11242.D

50 = 7w11243.D=

C	O	Ш	Р	O	u	11	a	

1) I BROMOCHLOROMETHANE 2) FREON 115  3) FREON 152A
2) FREON 115  FREON 152A  0.358 0.490 0.489 0.497 0.477 0.502 0.511 0.493 0.469 0.476 9.67  4) CHLORODIFLUOROMETHANE  0.230 0.259 0.239 0.254 0.228 0.245 0.248 0.243 0.229 0.242 4.56  5) CHLOROTRIFLUOROETHENE  0.964 1.190 1.217 1.200 1.155 1.229 1.224 1.188 1.114 1.165 7.17  6) DICHLORODIFLUOROMETHANE  2.070 2.643 2.595 2.579 2.476 2.598 2.602 2.515 2.360 2.493 7.24  7) PROPYLENE  0.852 0.749 0.673 0.667 0.573 0.614 0.613 0.598 0.566 0.656 14.20  8) 1-CHLORO-1,1-DIFLUOROETHANE  1.709 1.969 1.873 1.889 1.828 1.916 1.906 1.823 1.707 1.847 4.89  9) FREON 114  1.660 2.082 1.985 2.047 1.995 2.082 2.079 1.998 1.871 1.978 6.92  10) CHLOROMETHANE  0.322 0.328 0.258 0.242 0.230 0.246 0.245 0.237 0.223 0.259 14.95  11) VINYL CHLORIDE  0.668 0.831 0.867 0.863 0.846 0.880 0.891 0.864 0.816 0.836 8.03
3) FREON 152A
0.358 0.490 0.489 0.497 0.477 0.502 0.511 0.493 0.469 0.476 9.67  4) CHLORODIFLUOROMETHANE
4) CHLORODIFLUOROMETHANE
5) CHLOROTRIFLUOROETHENE
0.964 1.190 1.217 1.200 1.155 1.229 1.224 1.188 1.114 1.165 7.17 6) DICHLORODIFLUOROMETHANE 2.070 2.643 2.595 2.579 2.476 2.598 2.602 2.515 2.360 2.493 7.24 7) PROPYLENE 0.852 0.749 0.673 0.667 0.573 0.614 0.613 0.598 0.566 0.656 14.20 8) 1-CHLORO-1,1-DIFLUOROETHANE 1.709 1.969 1.873 1.889 1.828 1.916 1.906 1.823 1.707 1.847 4.89 9) FREON 114 1.660 2.082 1.985 2.047 1.995 2.082 2.079 1.998 1.871 1.978 6.92 10) CHLOROMETHANE 0.322 0.328 0.258 0.242 0.230 0.246 0.245 0.237 0.223 0.259 14.95 11) VINYL CHLORIDE 0.668 0.831 0.867 0.863 0.846 0.880 0.891 0.864 0.816 0.836 8.03 12) 1,3-BUTADIENE
6) DICHLORODIFLUOROMETHANE 2.070 2.643 2.595 2.579 2.476 2.598 2.602 2.515 2.360 2.493 7.24 7) PROPYLENE 0.852 0.749 0.673 0.667 0.573 0.614 0.613 0.598 0.566 0.656 14.20 8) 1-CHLORO-1,1-DIFLUOROETHANE 1.709 1.969 1.873 1.889 1.828 1.916 1.906 1.823 1.707 1.847 4.89 9) FREON 114 1.660 2.082 1.985 2.047 1.995 2.082 2.079 1.998 1.871 1.978 6.92 10) CHLOROMETHANE 0.322 0.328 0.258 0.242 0.230 0.246 0.245 0.237 0.223 0.259 14.95 11) VINYL CHLORIDE 0.668 0.831 0.867 0.863 0.846 0.880 0.891 0.864 0.816 0.836 8.03 12) 1,3-BUTADIENE
2.070 2.643 2.595 2.579 2.476 2.598 2.602 2.515 2.360 2.493 7.24  7) PROPYLENE
7) PROPYLENE
0.852 0.749 0.673 0.667 0.573 0.614 0.613 0.598 0.566 0.656 14.20 8) 1-CHLORO-1,1-DIFLUOROETHANE
1.709 1.969 1.873 1.889 1.828 1.916 1.906 1.823 1.707 1.847 4.89 9) FREON 114 1.660 2.082 1.985 2.047 1.995 2.082 2.079 1.998 1.871 1.978 6.92 10) CHLOROMETHANE 0.322 0.328 0.258 0.242 0.230 0.246 0.245 0.237 0.223 0.259 14.95 11) VINYL CHLORIDE 0.668 0.831 0.867 0.863 0.846 0.880 0.891 0.864 0.816 0.836 8.03 12) 1,3-BUTADIENE
9) FREON 114 1.660 2.082 1.985 2.047 1.995 2.082 2.079 1.998 1.871 1.978 6.92  10) CHLOROMETHANE 0.322 0.328 0.258 0.242 0.230 0.246 0.245 0.237 0.223 0.259 14.95  11) VINYL CHLORIDE 0.668 0.831 0.867 0.863 0.846 0.880 0.891 0.864 0.816 0.836 8.03  12) 1,3-BUTADIENE
1.660 2.082 1.985 2.047 1.995 2.082 2.079 1.998 1.871 1.978 6.92  10) CHLOROMETHANE
10) CHLOROMETHANE  0.322 0.328 0.258 0.242 0.230 0.246 0.245 0.237 0.223 0.259 14.95  11) VINYL CHLORIDE  0.668 0.831 0.867 0.863 0.846 0.880 0.891 0.864 0.816 0.836 8.03  12) 1,3-BUTADIENE
0.322 0.328 0.258 0.242 0.230 0.246 0.245 0.237 0.223 0.259 14.95 11) VINYL CHLORIDE 0.668 0.831 0.867 0.863 0.846 0.880 0.891 0.864 0.816 0.836 8.03 12) 1,3-BUTADIENE
11) VINYL CHLORIDE 0.668 0.831 0.867 0.863 0.846 0.880 0.891 0.864 0.816 0.836 8.03 12) 1,3-BUTADIENE
12) 1,3-BUTADIENE
1 019 0 795 0 723 0 665 0 617 0 663 0 666 0 649 0 617 - 0 713 - 17 91
13) N-BUTANE 1.759 1.337 1.321 1.328 1.137 1.230 1.234 1.198 1.128 1.297 14.66
1.759 1.337 1.321 1.328 1.137 1.230 1.234 1.198 1.128 1.297 14.00 14) BROMOMETHANE
0.798 0.810 0.732 0.773 0.722 0.749 0.743 0.721 0.680 0.748 5.45
15) CHLOROETHANE
0.482 0.497 0.442 0.460 0.428 0.454 0.451 0.440 0.419 0.453 5.48
16) DICHLOROFLUOROMETHANE
1.519 1.902 1.861 1.820 1.723 1.818 1.817 1.751 1.659 1.763 6.66
17) ACETONITRILE 0.760 1.147 0.892 0.788 0.710 0.749 0.751 0.737 0.699 0.804 17.49
18) ACROLEIN
0.509 0.455 0.475 0.437 0.373 0.391 0.400 0.391 0.369 0.422 11.64
19) FREON 123
1.880 2.254 1.874 1.900 1.821 1.905 1.903 1.851 1.736 1.903 7.48
20) FREON 123A
1.119 1.367 1.211 1.199 1.151 1.206 1.194 1.142 1.073 1.185 6.95 21) TRICHLOROFLUOROMETHANE
1.733 2.305 2.304 2.256 2.230 2.351 2.318 2.202 2.062 2.196 8.81
22) ISOPROPYL ALCOHOL
1.943 2.205 2.115 1.850 1.728 1.776 1.760 1.689 1.606 1.853 10.77
23) ACETONE

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# Initial Calibration Summary Job Number: JE5018

V7W405-ICC405 Sample: **Account:** Lab FileID: 7W11240.D

SESINJPB SESI Consulting Engineers
Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

Troject	• Ossiming investigation, 34 state su	CCt, Obbii	iiiig, 141					
24)	0.884 0.907 0.725 0.505 PENTANE	0.461	0.452	0.451	0.433	0.412	0.581	34.59
,	0.949 0.984 0.897 0.926	0.828	0.883	0.883	0.851	0.807	0.890	6.41
25)	1.610 2.061 2.056 2.117	2.075	2.143	2.120	2.021	1.908	2.012	8.26
26)	1,1-DICHLOROETHYLENE 1.084 1.061 0.827 0.865	0.797	0.822	0.817	0.789	0.742	0.867	13.97
27)	CARBON DISULFIDE 1.793 2.247 2.149 2.282	2.124	2.278	2.279	2.204	2.078	2.159	7.24
28)	ETHANOL 0.712	0.544	0.465	0.459	0.441	0.422	0.507	21.46
29)	BROMOETHENE 0.796 0.896 0.817 0.785	0.774	0.811	0.798	0.769	0.724	0.797	5.82
30)	ACRYLONITRILE 1.070 1.045 0.677	0.601	0.611	0.607	0.584	0.557	0.719	29.44
31)	METHYLENE CHLORIDE 1.103 0.887	0.720	0.737	0.730	0.700	0.662	0.791	19.53
32)	3-CHLOROPROPENE 0.367 0.466 0.441 0.418	0.398	0.415	0.416	0.402	0.383	0.412	7.19
33)	FREON 113 1.040 1.382 1.429 1.352							9.11
34)	TRANS-1,2-DICHLOROETHENE 1.026 1.040 0.880 0.894						0.903	8.69
35)	TERTIARY BUTYL ALCOHOL  1.867 2.312 2.318 2.257							7.50
36)	METHYL TERTIARY BUTYL ETHER 2.390 2.737 2.720 2.638							4.89
37)	Z.390 Z.737 Z.720 Z.636 TETRAHYDROFURAN 0.213 0.399 0.418 0.436						0.400	17.86
38)	HEXANE							
39)	1.805 1.948 1.655 1.655 VINYL ACETATE							9.03
40)	0.167 0.286 0.249 0.266 1,1-DICHLOROETHANE							13.54
41)	1.300 1.725 1.650 1.713 METHYL ETHYL KETONE							8.17
42)	0.319 0.514 0.485 0.451 CIS-1,2-DICHLOROETHENE							12.19
43)	0.735 1.032 0.948 0.992 DIISOPROPYL ETHER							9.21
44)	0.384 0.533 0.516 0.468 ETHYL ACETATE							10.20
45)	0.245 0.336 0.336 0.330 METHYL ACRYLATE							
46)	1.427 2.048 1.928 1.944 CHLOROFORM							
47)	1.631 1.901 1.879 1.953 2,4-DIMETHYLPENTANE							5.98
48)	1.747 2.005 1.839 1.846 1,1,1-TRICHLOROETHANE						1.821	4.92
49)	1.636 2.058 1.974 2.049 CARBON TETRACHLORIDE							6.97
50)	1.268 1.747 1.831 1.989 1,2-DICHLOROETHANE	2.007	2.200	2.225	2.167	2.063	1.944	15.47
51)	1.129 1.422 1.318 1.446 BENZENE							7.59
	2.592 2.909 2.787 2.706							4.93
52) I 53)	•		:	ISTD				

Initial Calibration Summary
Job Number: JE5018
Account: SESINJPB SESI Consulting Engineers
Project: Ossining Investigation, 34 State Street, Ossining, NY Page 3 of 4 Sample: V7W405-ICC405

**Lab FileID:** 7W11240.D

Project	Ossining Investigation, 34 S	State Str	eet, Ossi	ning, NY	,		, ,,, 112	.0.2	
E 4.)	0.212 0.240 0.240	0.246	0.226	0.247	0.246	0.240	0.228	0.236	4.99
54)	2,3-DIMETHYLPENTANE 0.131 0.127 0.121	0.129	0.117	0.127	0.125	0.123	0.117	0.124	3.96
55)	TRICHLOROETHENE 0.194 0.269 0.255	0 272	0 252	0 260	0 260	0 260	0 249	0.254	9.52
56)	1,2-DICHLOROPROPANE								
57)	0.185 0.227 0.223 0 DIBROMOMETHANE	0.222	0.211	0.226	0.226	0.221	0.210	0.217	6.21
,	0.265 0.280 0.230	0.244	0.214	0.236	0.233	0.229	0.218	0.239	8.92
58)	ETHYL ACRYLATE 0.346 0.447 0.496	0.453	0.459	0.493	0.495	0.489	0.469	0.461	10.22
59)	BROMODICHLOROMETHANE 0.315 0.409 0.389	0 406	0 402	0 442	0 438	0 432	0 412	0.405	9.41
60)	2,2,4-TRIMETHYLPENTANE								
61)	0.836 1.033 0.940 ( 1,4-DIOXANE	0.998	0.952	0.999	0.997	0.973	0.926	0.962	6.01
,	0.085 0.148 0.205	0.141	0.151	0.143	0.139	0.134	0.129	0.142	21.73
62)	HEPTANE 0.269 0.380 0.342	0.362	0.322	0.349	0.348	0.342	0.328	0.338	9.25
63)	METHYL METHACRYLATE	0 014	0 204	0 216	0 215	0 010	0 202	0.217	5.75
64)	0.216 0.237 0.237 METHYL ISOBUTYL KETONE							0.217	5./5
65)	0.148 0.203 0.298 (CIS-1,3-DICHLOROPROPENE	0.192	0.202	0.198	0.197	0.193	0.184	0.202	19.77
,	0.252 0.333 0.325	0.344	0.340	0.370	0.372	0.369	0.352	0.340	10.89
66)	TOLUENE 0.706 0.762 0.707 (	0.693	0.667	0.718	0.719	0.709	0.677	0.707	3.87
67)	1,3-DICHLOROPROPANE 0.261 0.324 0.327							0.330	8.59
68)	TRANS-1,3-DICHLOROPROPEN	E							
69)	0.231 0.325 0.302 ( 1,1,2-TRICHLOROETHANE	0.311	0.314	0.347	0.352	0.353	0.338	0.319	11.89
	0.164 0.195 0.200	0.200	0.191	0.203	0.203	0.200	0.191	0.194	6.39
70)	2-HEXANONE 0.203 0.278 0.613	0.275	0.378	0.280	0.279	0.272	0.257	0.315	38.27
71)	ETHYL METHACRYLATE 0.403 0.397 0.397	0 361	0 363	0 376	0 378	0 370	0 354	0.378	4.72
72)	TETRACHLOROETHENE								
73)	0.239 0.277 0.267 DIBROMOCHLOROMETHANE	0.276	0.264	0.277	0.275	0.273	0.261	0.268	4.58
,	0.289 0.392 0.387	0.409	0.396	0.445	0.458	0.458	0.439	0.408	12.93
74)	1,2-DIBROMOETHANE 0.265 0.356 0.338	0.360	0.357	0.388	0.388	0.384	0.365	0.356	10.74
75)	OCTANE 0.440 0.501 0.503	0 481	0 449	0 490	0 492	0 488	0 466	0 479	4.72
									1.72
76)	I CHLOROBENZENE-D5 1,1,1,2-TETRACHLOROETHAN			]	ISTD				
,	0.233 0.339 0.312		0.314	0.347	0.347	0.339	0.317	0.320	11.00
78)	CHLOROBENZENE 0.470 0.579 0.568	0.615	0.577	0.625	0.625	0.608	0.571	0.582	8.24
79)	ETHYLBENZENE 1.042 1.027 1.003								4 22
80)	1.042 1.027 1.003 M,P-XYLENE	0.984	0.923	1.000	0.995	0.975	0.915	0.985	4.33
81)	0.699 0.841 0.767 O-XYLENE	0.794	0.742	0.801	0.798	0.779	0.728	0.772	5.61
	0.739 0.837 0.777	0.774	0.744	0.801	0.798	0.777	0.731	0.775	4.39
82)	STYRENE 0.392 0.537 0.524	0.555	0.562	0.617	0.619	0.615	0.579	0.555	12.69
83)	NONANE								

Initial Calibration Summary Job Number: JE5018 Page 4 of 4 V7W405-ICC405

Sample: SESINJPB SESI Consulting Engineers Lab FileID: 7W11240.D Account:

Project: Ossining Investigation, 34 State Street, Ossining, NY

Project	Ussining Investigation, 34 State	Street, Ossining,	N Y	
	0.527 0.522 0.529 0.54	1 0.514 0.5	53 0.553 0.544 0.510	0.533 3.00
84)	BROMOFORM			
85)	0.261 0.370 0.358 0.38 1,1,2,2-TETRACHLOROETHANE	31 0.371 0.43	25 0.437 0.434 0.412	0.383 14.29
037	0.408 0.523 0.506 0.52	28 0.514 0.5	57 0.557 0.542 0.509	0.516 8.68
86)	1,2,3-TRICHLOROPROPANE		- 4 0 451 0 441 0 414	0 410 10 06
87)	0.306 0.394 0.401 0.42 4-BROMOFLUOROBENZENE	24 0.421 0.45	54 0.451 0.441 0.414	0.412 10.86
0,,	0.717 0.717 0.716 0.71	4 0.738 0.73	26 0.732 0.737 0.735	0.726 1.34
88)	ISOPROPYLBENZENE	NE 0 20E 0 3:	20 0 200 0 214 0 206	0.296 9.27
89)	0.229 0.294 0.293 0.30 BROMOBENZENE	15 0.295 0.3.	20 0.320 0.314 0.290	0.296 9.27
•	0.460 0.573 0.537 0.56	52 0.542 0.58	39 0.589 0.576 0.542	0.552 7.22
90)	2-CHLOROTOLUENE 0.173 0.276 0.265 0.26	: 0 0 274 0 20	aa n aaa n aa4 n a77	0.269 14.21
91)	N-PROPYLBENZENE	00 0.2/4 0.2	99 0.299 0.294 0.277	0.209 14.21
	0.199 0.292 0.284 0.29	9 0.311 0.3	35 0.335 0.334 0.314	0.300 14.10
92)	4-ETHYLTOLUENE 0.852 1.057 1.025 1.05		53 1 177 1 172 1 119	1.077 9.43
93)	1,3,5-TRIMETHYLBENZENE	,1 1.0,, 1.1	75 1.177 1.172 1.117	
0.4.)	0.724 0.880 0.876 0.89	06 0.910 0.9	70 0.982 0.987 0.932	0.906 8.90
94)	ALPHA-METHYLSTYRENE 0.329 0.422 0.430 0.44	5 0.473 0.5	12 0.523 0.530 0.503	0.463 13.93
95)	TERT-BUTYLBENZENE			
96)	0.175 0.209 0.215 0.21 1,2,4-TRIMETHYLBENZENE	6 0.222 0.23	33 0.234 0.231 0.217	0.217 8.36
90)	0.742 0.878 0.883 0.90	06 0.922 0.9	78 0.993 0.996 0.928	0.914 8.56
97)	BENZYL CHLORIDE			
98)	0.612 0.672 0.698 0.71 M-DICHLOROBENZENE	.5 0.809 0.9.	17 0.953 0.979 0.931	0.810 17.20
,	0.464 0.593 0.602 0.61	8 0.620 0.6	78 0.691 0.694 0.653	0.624 11.36
99)	P-DICHLOROBENZENE 0.457 0.594 0.585 0.59	NE	54 0 670 0 674 0 625	0.607 10.84
100)	O-DICHLOROBENZENE	75 0.598 0.0	0.070 0.074 0.033	0.007 10.04
	0.484 0.575 0.578 0.58	33 0.574 0.63	24 0.636 0.641 0.606	0.589 8.07
101)	SEC-BUTYLBENZENE 0.197 0.251 0.263 0.27	74 0 279 0 29	95 0 298 0 296 0 278	0.270 11.75
102)	1,2,3-TRIMETHYLBENZENE			
1021	0.735 0.879 0.889 0.91	.2 0.911 0.9	75 0.992 1.004 0.945	0.916 8.85
103)	P-ISOPROPYLTOLUENE 0.221 0.290 0.300 0.29	06 0.308 0.3	26 0.327 0.324 0.304	0.300 10.79
104)	N-BUTYLBENZENE			
105)	0.210 0.269 0.273 0.29 HEXACHLOROETHANE	03 0.301 0.3	22 0.328 0.330 0.309	0.293 12.98
103)	0.229 0.317 0.322 0.32	23 0.353 0.39	96 0.407 0.406 0.385	0.349 16.65
106)	HEXACHLOROBUTADIENE			0 400 44 65
107)	0.344 0.402 0.406 0.42 1,2,4-TRICHLOROBENZENE	20 0.436 0.4	/4 0.504 0.492 0.463	0.438 11.65
_ ,	0.367 0.354 0.367 0.40	0 0.515 0.5	37 0.632 0.664 0.643	0.503 26.18
108)	NAPHTHALENE	22 1 000 1 2	36 1.342 1.494 1.474	1 117 20 42
	I BROMOCHLOROMETHANE (A		ISTD	
110)	TVHC as equiv Pentane 4.273 4.626 4.148 4.42	25 4 130 4 2°	21 4 321 4 157 3 015	4 246 4 74
(#)	= Out of Range ### Number of	of calibration	on levels exceeded f	ormat ###

M7W405.M Sun Dec 29 19:44:19 2024

## **Initial Calibration Verification**

V7W405-ICV405 Sample:

Job Number: JE5018 SESINJPB SESI Consulting Engineers Lab FileID: 7W11247.D Account:

Ossining Investigation, 34 State Street, Ossining, NY Project:

### Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w\7w11247.D Vial: 5 Acq On : 28 Dec 2024 6:36 pm Operator: benk Sample : icv405-10 Inst : MS7W : MS74014, v7w405,,,,,1 Misc Multiplr: 1.00

MS Integration Params: rteint.p

: C:\msdchem\1\methods\M7W405.M (RTE Integrator) Method Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um

Last Update : Sun Dec 29 19:41:17 2024 Response via : Multiple Level Calibration

0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min :

Max. RRF Dev : 30% Max. Rel. Area: 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(mi	n)R.T.
1 I 2 T	BROMOCHLOROMETHANE FREON 115	1.000	1.000	0.0	98 	0.00	3.23
3 T	FREON 152A	0.476	0.512	-7.6	100	0.00	1.62
4 T	CHLORODIFLUOROMETHANE	0.242	0.255	-5.4	102	0.00	1.64
5 T	CHLOROTRIFLUOROETHENE	1.165	1.242	-6.6	99	0.00	1.65
6 T	DICHLORODIFLUOROMETHANE	2.493	2.658	-6.6	100	0.00	1.67
7 T	PROPYLENE	0.656	0.627	4.4	100	0.00	1.65
8 T	1-CHLORO-1,1-DIFLUOROETHA		1.976		101	0.00	1.70
9 T	FREON 114	1.978	2.125	-7.4	100	0.00	1.74
10 T	CHLOROMETHANE	0.259	0.246	5.0	98	0.00	1.71
11 T	VINYL CHLORIDE	0.836	0.889	-6.3	99	0.00	1.77
12 t	1,3-BUTADIENE	0.713	0.676	5.2	100	0.00	1.81
13 T	N-BUTANE	1.297	1.274	1.8	101	0.00	1.82
14 T	BROMOMETHANE	0.748	0.771	-3.1	100	0.00	1.88
15 T	CHLOROETHANE	0.453	0.464	-2.4	100	0.00	1.93
16 T	DICHLOROFLUOROMETHANE	1.763	1.915	-8.6	103	0.00	1.96
17 T	ACETONITRILE	0.804	0.794	1.2	104	0.00	2.02
18 T	ACROLEIN	0.422	0.421	0.2	105	0.00	2.06
19 T	FREON 123	1.903	1.900	0.2	97	0.00	2.08
20 T	FREON 123A	1.185	1.123	5.2	91	0.00	2.09
21 T	TRICHLOROFLUOROMETHANE	2.196	2.404	-9.5	100	0.00	2.16
22 T	ISOPROPYL ALCOHOL	1.853	1.854	-0.1	102	0.00	2.17
23 T	ACETONE	0.581	0.468	19.4	101	0.00	2.10
24 T	PENTANE	0.890	0.900	-1.1	100	0.00	2.27
25 T	IODOMETHANE	2.012	2.204	-9.5	100	0.00	2.33
26 T	1,1-DICHLOROETHYLENE	0.867	0.846	2.4	101	0.00	2.36
27 T	CARBON DISULFIDE	2.159	0.846 2.476	-14.7	106	0.00	2.49
28 T	ETHANOL	0.507	0.416		87	0.00	1.96
29 T	BROMOETHENE	0.797	0.815	-2.3	98	0.00	2.03
30 T	ACRYLONITRILE	0.719	0.624	13.2	100	0.00	2.24
31 T	METHYLENE CHLORIDE	0.791	0.772	2.4	102	0.00	2.40
32 T	3-CHLOROPROPENE	0.412	0.431	-4.6	101	0.00	2.44
33 T	FREON 113	1.313	0.431 1.457	-11.0	102	0.00	2.49
34 T	TRANS-1,2-DICHLOROETHENE	0.903		-2.8	103	0.00	2.72
35 T	TERTIARY BUTYL ALCOHOL	2.131	2.441	-14.5	110	0.00	2.37
36 t	METHYL TERTIARY BUTYL ETH	2.581	2.684	-4.0	99	0.00	2.82
37 T	TETRAHYDROFURAN	0.400	0.465		104	0.00	3.51
38 T	HEXANE	1.647	1.605	2.6	97	0.00	3.28
39 T	VINYL ACETATE	0.244	0.267	-9.4	104	0.00	2.86
40 T	1,1-DICHLOROETHANE	1.615	1.714	-6.1	99	0.00	2.79
41 T	METHYL ETHYL KETONE	0.444	0.463	-4.3	98	0.00	2.96
42 T	CIS-1,2-DICHLOROETHENE	0.930	0.993	-6.8	100	0.00	3.15

Page 2 of 3

### **Initial Calibration Verification**

100 T

O-DICHLOROBENZENE

Job Number: JE5018 Sample: V7W405-ICV405 SESINJPB SESI Consulting Engineers 7W11247.D Lab FileID: Account:

**Project:** Ossining Investigation, 34 State Street, Ossining, NY 43 DIISOPROPYL ETHER 0.456 0.469 -2.9100 0.00 3.28 44 Т ETHYL ACETATE 0.316 0.332 -5.1 97 0.00 3.28 45 Т 1.850 1.989 -7.5 100 0.00 METHYL ACRYLATE 3.27 Т 1.828 1.993 -9.0 101 0.00 46 CHLOROFORM 3.30 47 Т 2,4-DIMETHYLPENTANE 1.821 1.866 -2.5 98 0.00 3.79 48 Т 1,1,1-TRICHLOROETHANE 1.960 2,104 -7.3 100 0.00 3.86 49 Т CARBON TETRACHLORIDE 1.944 2.247 -15.6 100 0.00 4.28 Т 1.368 100 0.00 50 1,2-DICHLOROETHANE 1.485 -8.6 3.70 100 0.00 51 t BENZENE 2.671 2.775 -3.9 4.17 0.00 52 1,4-DIFLUOROBENZENE 1.000 1.000 0.0 98 4.49 Ι 53 Т 0.236 0.249 -5.5 99 0.00 CYCLOHEXANE 4.38 Т 54 2,3-DIMETHYLPENTANE 0.124 0.128 -3.2 99 0.00 4.63 0.254 Т 0.275 0.00 55 TRICHLOROETHENE -8.3100 5.06 56 Т 1,2-DICHLOROPROPANE 0.217 0.232 -6.9 100 0.00 4.83 57 Т DIBROMOMETHANE 0.239 0.245 -2.5102 0.00 4.79 58 Т 0.461 0.505 -9.5 100 0.00 4.95 ETHYL ACRYLATE 0.405 0.449 0.00 59 Т BROMODICHLOROMETHANE -10.9100 5.01 60 Т 2,2,4-TRIMETHYLPENTANE 0.962 1.005 -4.5 98 0.00 5.16 61 Т 1,4-DIOXANE 0.142 0.144 -1.499 0.00 5.08 98 62 Т HEPTANE 0.338 0.350 -3.6 0.00 5.47 Т 0.00 63 METHYL METHACRYLATE 0.217 0.220 -1.4 100 5.37 64 Т METHYL ISOBUTYL KETONE 0.202 0.200 1.0 98 0.00 6.09 93 65 Т CIS-1,3-DICHLOROPROPENE 0.340 0.352 -3.5 0.00 5.99 Т TOLUENE 66 0.707 0.721 -2.0 98 0.00 7.19 67 Т 1,3-DICHLOROPROPANE 0.330 0.363 100 0.00 7.25 -10.0Т 0.352 68 TRANS-1,3-DICHLOROPROPENE 0.319 -10.399 0.00 6.66 69 Т 1,1,2-TRICHLOROETHANE 0.194 0.210 -8.2 101 0.00 6.82 Т 70 2-HEXANONE 0.315 0.284 9.8 99 0.00 7.76 71 Т ETHYL METHACRYLATE 0.378 0.386 100 0.00 7.89 -2.1 72 Т 0.268 0.281 -4.9 0.00 TETRACHLOROETHENE 99 8.91 73 Т 0.408 0.456 100 0.00 DIBROMOCHLOROMETHANE -11.87.72 0.00 74 Т 1,2-DIBROMOETHANE 0.356 0.398 -11.8100 8.06 75 Т OCTANE 0.479 0.491 -2.5 98 0.00 9.06 1.000 1.000 0.0 98 0.00 10.03 76 Ι CHLOROBENZENE-D5 0.320 0.353 -10.3 100 0.00 10.12 77 Т 1,1,1,2-TETRACHLOROETHANE 78 Т CHLOROBENZENE 0.582 0.631 -8.4 99 0.00 10.11 1.014 79 t ETHYLBENZENE 0.985 -2.999 0.00 10.99 0.00 80 0.772 0.809 -4.8 99 11.42 t M, P-XYLENE 0.802 0.00 81 t O-XYLENE 0.775 -3.5 98 12.34 82 Т STYRENE 0.555 0.620 -11.799 0.00 12.14 83 Т NONANE 0.533 0.556 -4.3 99 0.00 13.47 84 Т 0.383 0.409 -6.8 94 0.00 BROMOFORM 11.23 0.516 0.575 0.00 85 Т 1,1,2,2-TETRACHLOROETHANE -11.4101 12.36 86 Т 1,2,3-TRICHLOROPROPANE 0.412 0.465 -12.9101 0.00 12.64 87 S 4-BROMOFLUOROBENZENE 0.726 0.730 -0.6 99 0.00 13.38 88 Т ISOPROPYLBENZENE 0.296 0.327 -10.5 100 0.00 13.86 -9.8 89 BROMOBENZENE 0.552 0.606 101 0.00 13.72 Т 90 Т 0.269 0.308 -14.5101 0.00 14.86 2-CHLOROTOLUENE 91 Т N-PROPYLBENZENE 0.300 0.338 -12.799 0.00 15.20 92 1.077 -9.9 100 0.00 Т 1.184 15.64 4-ETHYLTOLUENE 93 Т 0.906 0.984 -8.6 99 0.00 15.91 1,3,5-TRIMETHYLBENZENE 103 94 Т ALPHA-METHYLSTYRENE 0.463 0.536 -15.80.00 16.21 95 Т TERT-BUTYLBENZENE 0.217 0.237 -9.2100 0.00 16.53 0.996 0.00 16.54 96 Т 1,2,4-TRIMETHYLBENZENE 0.914 -9.0 100 97 Т 0.810 0.987 -21.9 106 0.00 16.63 BENZYL CHLORIDE 98 Т M-DICHLOROBENZENE 0.624 0.693 -11.1100 0.00 16.60 99 0.00 Т P-DICHLOROBENZENE 0.607 0.670 -10.4100 16.69

0.589

0.639

-8.5

100

0.00

17.01

Initial	Calibration	$\mathbf{V}$	erification
minuar	Cambianon	•	CI IIICauoi

Initial ( Job Numb Account: Project:	Calibration Verification  Der: JE5018 SESINJPB SESI Consulting Eng Ossining Investigation, 34 State		ng, NY	Sample: Lab FileID:		V405-ICV4 11247.D	Page 3 of 3
101 T	SEC-BUTYLBENZENE	0.270	0.303	-12.2	101	0.00	16.84
102 T	1,2,3-TRIMETHYLBENZENE	0.916	0.994	-8.5	100	0.00	16.96
103 T	P-ISOPROPYLTOLUENE	0.300	0.334	-11.3	100	0.00	17.03
104 T	N-BUTYLBENZENE	0.293	0.323	-10.2	98	0.00	17.40
105 T	HEXACHLOROETHANE	0.349	0.399	-14.3	99	0.00	17.57
106 T	HEXACHLOROBUTADIENE	0.438	0.460	-5.0	95	0.00	18.63
107 T	1,2,4-TRICHLOROBENZENE	0.503	0.577	-14.7	96	0.00	18.32
108 T	NAPHTHALENE	1.117	1.318	-18.0	100	0.00	18.37
109 I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	98	0.00	3.23
110	TVHC as equiv Pentane	4.246	4.421	-4.1	102	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0 7w11240.D M7W405.M Mon Dec 30 11:08:54 2024

#### **Continuing Calibration Summary** Job Number: JE5018

Page 1 of 3 V7W411-CC405 Sample:

SESINJPB SESI Consulting Engineers Lab FileID: 7W11431.D Account:

Project: Ossining Investigation, 34 State Street, Ossining, NY

### Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...2025\v7w411\7w11431.D Vial: 3 : 3 Jan 2025 7:45 pm Operator: benk Acq On Sample : cc405-10 Inst : MS7W : MS88278, v7w411,,,,,1 Multiplr: 1.00 Misc

MS Integration Params: rteint.p

: C:\msdchem\1\methods\M7W405.M (RTE Integrator) Method Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um

Last Update : Sun Dec 29 19:41:17 2024 Response via : Multiple Level Calibration

0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min :

Max. RRF Dev : 30% Max. Rel. Area: 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(mi	n)R.T.
1 I 2 T	BROMOCHLOROMETHANE	1.000	1.000	0.0	103	0.00	3.23
3 T	FREON 152A	0.476	0.508	-6.7	105	0.00	1.63
4 T	CHLORODIFLUOROMETHANE	0.242	0.266	-9.9	112	0.00	1.64
5 T	CHLOROTRIFLUOROETHENE	1.165	1.219	-4.6	102	0.00	1.65
6 T	DICHLORODIFLUOROMETHANE	2.493	1.219 2.683	-7.6	107	0.00	1.67
7 Т	PROPYLENE	0.656	0.672	-2.4	113	0.00	1.65
8 T	1-CHLORO-1,1-DIFLUOROETHA	1.847	1.976 2.162 0.273	-7.0	107	0.00	1.71
9 T	FREON 114 CHLOROMETHANE VINYL CHLORIDE 1,3-BUTADIENE N-BUTANE BROMOMETHANE CHLOROETHANE DICHLOROFLUOROMETHANE	1.978	2.162	-9.3	107	0.00	1.74
10 T	CHLOROMETHANE	0.259	0.273	-5.4	115	0.00	1.71
11 T	VINYL CHLORIDE	0.836	0.976 0.743 1.391	-16.7	115	0.00	1.77
12 t	1,3-BUTADIENE	0.713	0.743	-4.2	116	0.00	1.81
13 T	N-BUTANE	1.297	1.391	-7.2	117	0.00	1.83
14 T	BROMOMETHANE	0.748	0.771 0.502 1.985	-3.1	106	0.00	1.89
15 T	CHLOROETHANE	0.453	0.502	-10.8	114	0.00	1.93
16 T	DICHLOROFLUOROMETHANE	1.763	1.985	-12.6	113	0.00	1.96
17 T	DICHLOROFLUOROMETHANE ACETONITRILE ACROLEIN FREON 123 FREON 123A TRICHLOROFLUOROMETHANE ISOPROPYL ALCOHOL ACETONE PENTANE IODOMETHANE 1,1-DICHLOROETHYLENE CARBON DISULFIDE ETHANOL BROMOETHENE ACRYLONITRILE	0.804	0.863 0.428 2.005	-7.3	119	0.00	2.03
18 T	ACROLEIN	0.422	0.428	-1.4	113	0.00	2.07
19 T	FREON 123	1.903	2.005	-5.4	109	0.00	2.08
20 T	FREON 123A	1.185	1.209	-2.0	104	0.00	2.10
21 T	TRICHLOROFLUOROMETHANE	2.196	2.363 1.929	-7.6	104	0.00	2.16
22 T	ISOPROPYL ALCOHOL	1.853	1.929	-4.1	112	0.00	2.18
23 T	ACETONE	0.581	0.493 0.995 2.067	15.1	113	0.00	2.10
24 T	PENTANE	0.890	0.995	-11.8	116	0.00	2.27
25 T	IODOMETHANE	2.012	2.067	-2.7		0.00	2.34
26 T	1,1-DICHLOROETHYLENE	0.867	0.842 2.392 0.553	2.9	106	0.00	2.36
27 T	CARBON DISULFIDE	2.159	2.392	-10.8	109	0.00	2.50
28 T	ETHANOL	0.507	0.553	-9.1	123	0.00	1.96
29 T	BROMOETHENE	0.797	0.805	-1.0	103	0.00	2.04
30 T	ACRYLONITRILE	0.719	0.665 0.763	7.5	112	0.00	2.25
31 T	ACRYLONITRILE METHYLENE CHLORIDE 3-CHLOROPROPENE FREON 113 TPANS-1 2-DICHLOROFTHENE	0.791			107	0.00	2.40
32 T	3-CHLOROPROPENE	0.412	0.427	-3.6	106	0.00	2.44
33 T	FREON 113	1.313	1.338 0.916	-1.9	99	0.00	2.49
34 T	TRANS-I, Z-DICHLOROETHENE	0.903			107	0.00	2.72
35 T	TERTIARY BUTYL ALCOHOL		2.243	-5.3	107	0.00	2.38
36 t	METHYL TERTIARY BUTYL ETH	2.581	2.650 0.447	-2.7	104	0.00	2.83
37 T	TETRAHYDROFURAN HEXANE VINYL ACETATE 1,1-DICHLOROETHANE	0.400			106	0.00	3.51
38 T	HEXANE	1.647	1.735	-5.3	111	0.00	3.28
39 T	VINYL ACETATE	0.244	0.229 1.764	6.1	94	0.00	2.86
40 T	1,1-DICHLOROETHANE	1.615			108	0.00	2.80
41 T			0.465	-4.7	104	0.00	2.96
42 T	CIS-1,2-DICHLOROETHENE	0.930	0.970	-4.3	103	0.00	3.15

Page 2 of 3

## **Continuing Calibration Summary**

Job Number: JE5018 Sample: V7W411-CC405 SESINJPB SESI Consulting Engineers Lab FileID: Account: 7W11431.D **Project:** Ossining Investigation, 34 State Street, Ossining, NY 43 DIISOPROPYL ETHER 0.456 0.489 -7.2 110 0.00 3.28 44 Т ETHYL ACETATE 0.316 0.338 -7.0 105 0.00 3.29 45 Т METHYL ACRYLATE 1.850 2.035 -10.0 109 0.00 3.27 Т 1.828 1.951 0.00 46 CHLOROFORM -6.7105 3.30 47 Т 2,4-DIMETHYLPENTANE 1.821 1.981 -8.8 110 0.00 3.79 1,1,1-TRICHLOROETHANE 48 Т 1.960 2.057 -4.9103 0.00 3.87 49 Т CARBON TETRACHLORIDE 1.944 2.081 -7.0 98 0.00 4.28 Т 1.568 112 0.00 50 1,2-DICHLOROETHANE 1.368 -14.63.70 51 t BENZENE 2.671 2.748 -2.9 105 0.00 4.17 0.00 52 1,4-DIFLUOROBENZENE 1.000 1.000 0.0 100 4.49 Ι 53 Т 0.236 0.254 -7.6 103 0.00 4.38 CYCLOHEXANE Т 54 2,3-DIMETHYLPENTANE 0.124 0.132 -6.5 105 0.00 4.63 0.254 Т 0.277 0.00 55 TRICHLOROETHENE -9.1103 5.06 56 Т 1,2-DICHLOROPROPANE 0.217 0.241 -11.1 107 0.00 4.83 57 Т DIBROMOMETHANE 0.239 0.246 -2.9105 0.00 4.79 58 Т 0.461 0.526 -14.1107 0.00 4.95 ETHYL ACRYLATE 0.405 0.453 0.00 59 Т BROMODICHLOROMETHANE -11.9103 5.01 60 Т 2,2,4-TRIMETHYLPENTANE 0.962 1.102 -14.6110 0.00 5.16 61 Т 1,4-DIOXANE 0.142 0.144 -1.4 101 0.00 5.08 62 Т HEPTANE 0.338 0.396 -17.2 114 0.00 5.47 Т 63 METHYL METHACRYLATE 0.217 0.220 -1.4 102 0.00 5.37 64 Т METHYL ISOBUTYL KETONE 0.202 0.213 -5.4107 0.00 6.09 65 Т CIS-1,3-DICHLOROPROPENE 0.340 0.369 -8.5 100 0.00 5.99 Т TOLUENE 66 0.707 0.739 103 0.00 7.19 -4.5Т 1,3-DICHLOROPROPANE 67 0.330 0.370 104 0.00 7.25 -12.1Т 0.342 -7.2 68 TRANS-1,3-DICHLOROPROPENE 0.319 99 0.00 6.67 69 Т 1,1,2-TRICHLOROETHANE 0.194 0.209 -7.7 103 0.00 6.82 70 Т 2-HEXANONE 0.315 0.295 6.3 105 0.00 7.76 71 Т ETHYL METHACRYLATE 0.378 0.388 103 0.00 7.89 -2.6 72 Т 0.268 0.296 -10.4107 0.00 TETRACHLOROETHENE 8.91 73 Т 0.408 0.441 99 0.00 DIBROMOCHLOROMETHANE -8.17.72 0.393 -10.4101 0.00 74 Т 1,2-DIBROMOETHANE 0.356 8.06 75 Т OCTANE 0.479 0.557 -16.3 114 0.00 9.06 1.000 1.000 0.0 103 0.00 10.03 76 Ι CHLOROBENZENE-D5 0.320 0.327 97 0.00 10.12 77 Т 1,1,1,2-TETRACHLOROETHANE -2.2 78 Т CHLOROBENZENE 0.582 0.619 -6.4 102 0.00 10.11 79 t ETHYLBENZENE 0.985 1.006 -2.1 104 0.00 10.99 80 0.772 0.818 105 0.00 11.42 t M, P-XYLENE -6.00.00 81 t O-XYLENE 0.775 0.821 -5.9 106 12.34 82 Т STYRENE 0.555 0.616 -11.0 103 0.00 12.14 83 Т NONANE 0.533 0.611 -14.6 114 0.00 13.47 84 Т 0.383 0.401 -4.7 97 0.00 BROMOFORM 11.23 0.516 0.566 -9.7 105 0.00 85 Т 1,1,2,2-TETRACHLOROETHANE 12.36 86 Т 1,2,3-TRICHLOROPROPANE 0.412 0.465 -12.9106 0.00 12.64 87 S 4-BROMOFLUOROBENZENE 0.726 0.739 -1.8 105 0.00 13.39 88 Т ISOPROPYLBENZENE 0.296 0.318 -7.4 102 0.00 13.86 89 0.552 0.597 -8.2 104 0.00 13.72 Т BROMOBENZENE 90 Т 0.269 0.292 -8.6 101 0.00 14.85 2-CHLOROTOLUENE 91 Т N-PROPYLBENZENE 0.300 0.331 -10.3102 0.00 15.20 92 1.077 104 0.00 Т 1.179 -9.5 15.64 4-ETHYLTOLUENE 93 Т 0.906 0.986 -8.8 105 0.00 15.91 1,3,5-TRIMETHYLBENZENE Т 94 ALPHA-METHYLSTYRENE 0.463 0.518 -11.9104 0.00 16.22 95 Т TERT-BUTYLBENZENE 0.217 0.233 -7.4103 0.00 16.53 0.00 96 Т 1,2,4-TRIMETHYLBENZENE 0.914 1.004 -9.8 106 16.54 97 Т 0.810 0.792 2.2 89 0.00 16.63 BENZYL CHLORIDE 98 Т M-DICHLOROBENZENE 0.624 0.688 -10.3 105 0.00 16.60 99 0.00 Т P-DICHLOROBENZENE 0.607 0.666 -9.7105 16.69 100 T O-DICHLOROBENZENE 0.589 0.631 -7.1 104 0.00 17.01

Contin Job Numl Account: Project:	uing Calibration Summary ber: JE5018 SESINJPB SESI Consulting Eng Ossining Investigation, 34 State	gineers	ng, NY	Sample: Lab FileID:		V411-CC40 11431.D	Page 3 of 3
101 T	SEC-BUTYLBENZENE	0.270	0.292	-8.1	102	0.00	16.84
102 T	1,2,3-TRIMETHYLBENZENE	0.916	0.991	-8.2	105	0.00	16.96
103 T	P-ISOPROPYLTOLUENE	0.300	0.322	-7.3	102	0.00	17.03
104 T	N-BUTYLBENZENE	0.293	0.316	-7.8	101	0.00	17.39
105 T	HEXACHLOROETHANE	0.349	0.339	2.9	88	0.00	17.57
106 T	HEXACHLOROBUTADIENE	0.438	0.514	-17.4	112	0.00	18.63
107 T	1,2,4-TRICHLOROBENZENE	0.503	0.580	-15.3	102	0.00	18.32
108 T	NAPHTHALENE	1.117	1.201	-7.5	96	0.00	18.36
109 I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	103	0.00	3.23
110	TVHC as equiv Pentane	4.246	4.763	-12.2	117 	0.00	2.27

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(#) = Out of Range SPCC's out = 0 CCC's out = 0 7w11240.D M7W405.M Sun Jan 05 11:57:27 2025

# **Continuing Calibration Summary**

Job Number:JE5018Sample:V7W440-CC405Account:SESINJPB SESI Consulting EngineersLab FileID:7W12379.D

**Project:** Ossining Investigation, 34 State Street, Ossining, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\k...0425\v7w440\7w12379.D Vial: 3

MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um

Last Update : Sun Dec 29 19:41:17 2024 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min

Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(mi	n)R.T.
1 I 2 T	BROMOCHLOROMETHANE FREON 115	1.000	1.000	0.0 NA	101	0.00	3.23
3 T	FREON 152A	0.476	0.438	8.0	88		1.63
4 T	CHLORODIFLUOROMETHANE	0.242	0.233	3.7	96	0.00	1.64
5 T	CHLOROTRIFLUOROETHENE		1.136		93	0.00	1.65
6 T	DICHLORODIFLUOROMETHANE				108	0.00	1.67
7 T	PROPYLENE	0.656	2.776 0.472	28.0	77	0.00	1.65
8 T	1-CHLORO-1,1-DIFLUOROETHA		1.987		104	0.00	1.70
9 T	FREON 114		2.411	-21.9	117	0.00	1.74
10 T	CHLOROMETHANE	0.259	2.411 0.261	-0.8	107	0.00	1.71
11 T	VINYL CHLORIDE	0.836	1.015	-21.4	116	0.00	1.77
12 t	1,3-BUTADIENE	0.713	0.721	-1.1	109	0.00	1.81
13 T	N-BUTANE	1.297	0.721 1.247	3.9	102	0.00	1.82
14 T	BROMOMETHANE	0.748	0.883	-18.0	119	0.00	1.88
15 T	CHLOROETHANE	0.453	0.542 2.062	-19.6	120	0.00	1.93
16 T	DICHLOROFLUOROMETHANE	1.763	2.062	-17.0	114	0.00	1.96
17 T	ACETONITRILE	0.804	0.761	5.3	102	0.00	2.02
18 T	ACROLEIN	0.422	0.438	-3.8	113	0.00	2.06
19 T	FREON 123	1.903	2.312	-21.5	122	0.00	2.07
20 T	FREON 123A	1.185	1.343 2.554 2.102	-13.3	112	0.00	2.09
21 T	TRICHLOROFLUOROMETHANE ISOPROPYL ALCOHOL	2.196	2.554	-16.3	109	0.00	2.16
22 T	ISOPROPYL ALCOHOL				119	0.00	2.17
23 T	ACETONE		0.512	11.9	114	0.00	2.10
24 T	PENTANE	0.890	0.891	-0.1	102	0.00	2.27
25 T	IODOMETHANE	2.012	2.480	-23.3	117	0.00	2.33
26 T	1,1-DICHLOROETHYLENE	0.867	0.974	-12.3	119	0.00	2.36
27 T	CARBON DISULFIDE	2.159	0.974 2.692 0.480	-24.7	119	0.00	2.50
28 T	ETHANOL		0.480	5.3	104	0.00	1.96
29 T	BROMOETHENE	0.797	0.925 0.633	-16.1	115	0.00	2.03
30 T	ACRYLONITRILE	0.719	0.633	12.0	104	0.00	2.24
31 T	METHYLENE CHLORIDE		0.887		121	0.00	2.40
32 T	3-CHLOROPROPENE	0.412	0.467 1.572	-13.3	113	0.00	2.44
33 T	FREON 113	1.313	1.572	-19.7	114	0.00	2.49
34 T	TRANS-1,2-DICHLOROETHENE		1.025		117	0.00	2.72
35 T	TERTIARY BUTYL ALCOHOL	2.131	2.130	0.0	99	0.00	2.37
36 t	METHYL TERTIARY BUTYL ETH	2.581	2.481		94	0.00	2.82
37 T	TETRAHYDROFURAN	0.400	0.427	-6.7	99	0.00	3.51
38 T	HEXANE	1.647	1.473	10.6	92	0.00	3.28
39 Т	VINYL ACETATE	0.244	0.243	0.4	97	0.00	2.86
40 T	1,1-DICHLOROETHANE	1.615	1.571	2.7		0.00	2.79
41 T	METHYL ETHYL KETONE	0.444	0.442	0.5	96	0.00	2.96
42 T	CIS-1,2-DICHLOROETHENE	0.930	0.956	-2.8	99	0.00	3.15

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## **Continuing Calibration Summary**

Job Number: JE5018 Sample: V7W440-CC405 SESINJPB SESI Consulting Engineers Lab FileID: Account: 7W12379.D **Project:** Ossining Investigation, 34 State Street, Ossining, NY 43 DIISOPROPYL ETHER 0.456 0.424 7.0 93 0.00 3.28 44 Т ETHYL ACETATE 0.316 0.303 4.1 91 0.00 3.29 45 Т 1.850 1.737 6.1 90 0.00 3.27 METHYL ACRYLATE Т 1.828 1.974 103 0.00 46 CHLOROFORM -8.0 3.30 47 Т 2,4-DIMETHYLPENTANE 1.821 1.651 9.3 89 0.00 3.78 1,1,1-TRICHLOROETHANE 48 Т 1.960 2.015 -2.899 0.00 3.87 49 Т CARBON TETRACHLORIDE 1.944 2.059 -5.9 94 0.00 4.28 Т 1.400 97 0.00 50 1,2-DICHLOROETHANE 1.368 -2.3 3.70 0.00 51 t BENZENE 2.671 2.673 -0.1 99 4.17 0.00 52 1,4-DIFLUOROBENZENE 1.000 1.000 0.0 103 4.49 Ι 53 Т 0.236 0.240 100 0.00 4.38 CYCLOHEXANE -1.7Т 54 2,3-DIMETHYLPENTANE 0.124 0.119 4.0 97 0.00 4.63 0.254 Т 0.261 100 0.00 55 TRICHLOROETHENE -2.8 5.06 56 Т 1,2-DICHLOROPROPANE 0.217 0.204 6.0 93 0.00 4.83 57 Т DIBROMOMETHANE 0.239 0.235 1.7 103 0.00 4.79 58 Т 0.461 0.420 8.9 0.00 4.95 ETHYL ACRYLATE 88 0.405 0.433 0.00 59 Т BROMODICHLOROMETHANE -6.9101 5.01 60 Т 2,2,4-TRIMETHYLPENTANE 0.962 0.872 9.4 90 0.00 5.15 61 Т 1,4-DIOXANE 0.142 0.135 4.9 98 0.00 5.08 62 Т HEPTANE 0.338 0.284 16.0 0.00 5.47 84 Т 0.201 0.00 63 METHYL METHACRYLATE 0.217 7.4 96 5.36 64 Т METHYL ISOBUTYL KETONE 0.202 0.175 13.4 91 0.00 6.09 96 65 Т CIS-1,3-DICHLOROPROPENE 0.340 0.342 -0.6 0.00 5.99 Т TOLUENE 2.4 66 0.707 0.690 99 0.00 7.19 Т 67 1,3-DICHLOROPROPANE 0.330 0.348 101 0.00 7.25 -5.5Т 0.313 68 TRANS-1,3-DICHLOROPROPENE 0.319 1.9 93 0.00 6.66 69 Т 1,1,2-TRICHLOROETHANE 0.194 0.201 -3.6 102 0.00 6.82 70 Т 2-HEXANONE 0.315 0.244 22.5 90 0.00 7.75 71 Т ETHYL METHACRYLATE 0.378 0.350 7.4 96 0.00 7.89 72 Т 0.268 0.268 100 0.00 TETRACHLOROETHENE 0.0 8.91 73 Т 0.408 0.422 0.00 DIBROMOCHLOROMETHANE -3.498 7.72 0.356 0.374 74 Т 1,2-DIBROMOETHANE -5.199 0.00 8.06 75 Т OCTANE 0.479 0.402 16.1 85 0.00 9.05 1.000 1.000 0.0 104 0.00 10.03 76 I CHLOROBENZENE-D5 0.320 0.325 98 0.00 10.12 77 Т -1.6 1,1,1,2-TETRACHLOROETHANE 78 Т CHLOROBENZENE 0.582 0.600 -3.1 100 0.00 10.11 79 t ETHYLBENZENE 0.985 0.953 3.2 99 0.00 10.99 0.00 80 0.772 0.776 101 11.42 t M, P-XYLENE -0.50.00 81 t O-XYLENE 0.775 0.783 -1.0 102 12.35 82 Т STYRENE 0.555 0.576 -3.8 97 0.00 12.14 83 Т NONANE 0.533 0.458 14.1 86 0.00 13.47 84 Т 0.383 0.422 -10.2 103 0.00 BROMOFORM 11.23 0.516 0.573 107 0.00 85 Т 1,1,2,2-TETRACHLOROETHANE -11.012.36 86 Т 1,2,3-TRICHLOROPROPANE 0.412 0.449 -9.0103 0.00 12.64 87 S 4-BROMOFLUOROBENZENE 0.726 0.775 -6.7 111 0.00 13.39 88 Т ISOPROPYLBENZENE 0.296 0.300 -1.498 0.00 13.86 -4.0 89 0.552 0.574 0.00 13.72 Т BROMOBENZENE 101 90 Т 0.269 0.279 -3.797 0.00 14.86 2-CHLOROTOLUENE 97 91 Т N-PROPYLBENZENE 0.300 0.312 -4.00.00 15.20 92 1.077 -3.5 0.00 Т 1.115 100 15.64 4-ETHYLTOLUENE 93 Т 0.906 0.940 101 0.00 15.91 1,3,5-TRIMETHYLBENZENE -3.8Т 94 ALPHA-METHYLSTYRENE 0.463 0.491 -6.0100 0.00 16.22 95 Т TERT-BUTYLBENZENE 0.217 0.230 -6.0 103 0.00 16.53 0.00 96 Т 1,2,4-TRIMETHYLBENZENE 0.914 0.987 -8.0 105 16.54 97 Т 0.810 12.2 81 0.00 16.63 BENZYL CHLORIDE 0.711 98 Т M-DICHLOROBENZENE 0.624 0.690 -10.6 106 0.00 16.60 99 0.00 Т P-DICHLOROBENZENE 0.607 0.671 -10.5107 16.69 100 T O-DICHLOROBENZENE 0.589 0.646 -9.7 108 0.00 17.01

Conting Job Numb Account: Project:	uing Calibration Summary Der: JE5018 SESINJPB SESI Consulting Eng Ossining Investigation, 34 State	ineers	ng, NY	Sample: Lab FileID:		W440-CC405 12379.D	Page 3 of 3
101 T	SEC-BUTYLBENZENE	0.270	0.293	-8.5	103	0.00	16.84
102 T	1,2,3-TRIMETHYLBENZENE	0.916	0.967	-5.6	103	0.00	16.95
103 T	P-ISOPROPYLTOLUENE	0.300	0.324	-8.0	104	0.00	17.03
104 T	N-BUTYLBENZENE	0.293	0.316	-7.8	102	0.00	17.40
105 T	HEXACHLOROETHANE	0.349	0.365	-4.6	96	0.00	17.57
106 T	HEXACHLOROBUTADIENE	0.438	0.536	-22.4	118	0.00	18.63
107 T	1,2,4-TRICHLOROBENZENE	0.503	0.587	-16.7	104	0.00	18.32
108 T	NAPHTHALENE	1.117	1.190	-6.5	96	0.00	18.37
109 I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	101	0.00	3.23
110	TVHC as equiv Pentane	4.246	4.158	2.1	99	0.00	2.27

SPCC's out = 0 CCC's out = 0

<sup>(#) =</sup> Out of Range SPCC's out = 0 CCC's 7w11240.D M7W405.M Tue Feb 04 21:54:52 2025

Run Sequence Report

Job Number: JE5018
Account: SESINJPB SESI Consulting Engineers

Project: Ossining Investigation, 34 State Street, Ossining, NY

<b>Run ID:</b> V5W2144		Method: TO-15		Instrument ID: GCMS5W		
Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID		
V5W2144-BFB	5W55993.D	01/08/25 23:56	n/a	BFB Tune		
V5W2144-IC2144	5W55994.D	01/09/25 00:36	n/a	Initial cal 0.04		
V5W2144-IC2144	5W55995.D	01/09/25 01:16	n/a	Initial cal 0.1		
V5W2144-IC2144	5W55996.D	01/09/25 01:59	n/a	Initial cal 0.2		
V5W2144-IC2144	5W56001.D	01/09/25 05:39	n/a	Initial cal 5		
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	n/a	Initial cal 10		
V5W2144-IC2144	5W56003.D	01/09/25 07:03	n/a	Initial cal 20		
V5W2144-IC2144	5W56004.D	01/09/25 07:49	n/a	Initial cal 40		
V5W2144-IC2144	5W56005.D	01/09/25 08:36	n/a	Initial cal 50		
V5W2144-IC2144	5W56013.D	01/09/25 15:02	n/a	Initial cal 0.5		
V5W2144-ICV2144	5W56014.D	01/09/25 15:42	n/a	Initial cal verification 10		

# Run Sequence Report Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

<b>Run ID:</b> V5W2168		Method: TO-15		Instrument ID: GCMS5W
Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2168-BFB	5W56584.D	02/03/25 09:46	n/a	BFB Tune
V5W2168-CC2144	5W56585.D	02/03/25 10:27	n/a	Continuing cal 10
V5W2168-BS	5W56586.D	02/03/25 11:12	n/a	Blank Spike
V5W2168-BSD	5W56587.D	02/03/25 11:53	n/a	Blank Spike Duplicate
V5W2168-MB	5W56590.D	02/03/25 14:32	n/a	Method Blank
JE4785-5	5W56591.D	02/03/25 15:19	n/a	(used for QC only; not part of job JE5018)
JE4785-5DUP	5W56592.D	02/03/25 16:06	n/a	Duplicate
ZZZZZZ	5W56593.D	02/03/25 16:53	n/a	(unrelated sample)
ZZZZZZ	5W56594.D	02/03/25 17:40	n/a	(unrelated sample)
ZZZZZZ	5W56595.D	02/03/25 18:27	n/a	(unrelated sample)
ZZZZZZ	5W56596.D	02/03/25 19:13	n/a	(unrelated sample)
ZZZZZZ	5W56597.D	02/03/25 20:00	n/a	(unrelated sample)
ZZZZZZ	5W56598.D	02/03/25 20:42	n/a	(unrelated sample)
ZZZZZZ	5W56599.D	02/03/25 21:23	n/a	(unrelated sample)
ZZZZZZ	5W56600.D	02/03/25 22:05	n/a	(unrelated sample)
ZZZZZZ	5W56601.D	02/03/25 22:46	n/a	(unrelated sample)
ZZZZZZ	5W56602.D	02/03/25 23:28	n/a	(unrelated sample)
ZZZZZZ	5W56603.D	02/04/25 00:09	n/a	(unrelated sample)
JE5018-4	5W56604.D	02/04/25 00:57	n/a	IA-1
ZZZZZZ	5W56605.D	02/04/25 01:44	n/a	(unrelated sample)
ZZZZZZ	5W56606.D	02/04/25 02:31	n/a	(unrelated sample)
ZZZZZZ	5W56607.D	02/04/25 03:12	n/a	(unrelated sample)
ZZZZZZ	5W56608.D	02/04/25 03:53	n/a	(unrelated sample)
ZZZZZZ	5W56609.D	02/04/25 04:35	n/a	(unrelated sample)
ZZZZZZ	5W56610.D	02/04/25 05:16	n/a	(unrelated sample)
ZZZZZZ	5W56611.D	02/04/25 05:57	n/a	(unrelated sample)
ZZZZZZ	5W56612.D	02/04/25 06:41	n/a	(unrelated sample)
ZZZZZZ	5W56613.D	02/04/25 07:24	n/a	(unrelated sample)
V5W2168-SCC	5W56615.D	02/04/25 08:51	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JE5018
Account: SESINJPB SESI Consulting Engineers

Project: Ossining Investigation, 34 State Street, Ossining, NY

<b>Run ID:</b> V7W405		Method: TO-15		Instrument ID: GCMS7W
Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W405-BFB	7W11232.D	12/28/24 08:40	n/a	BFB Tune
V7W405-IC405	7W11233.D	12/28/24 09:16	n/a	Initial cal 0.04
V7W405-IC405	7W11234.D	12/28/24 09:53	n/a	Initial cal 0.10
V7W405-IC405	7W11235.D	12/28/24 10:32	n/a	Initial cal 0.20
V7W405-IC405	7W11237.D	12/28/24 11:51	n/a	Initial cal 0.50
V7W405-IC405	7W11238.D	12/28/24 12:34	n/a	Initial cal 5
V7W405-ICC405	7W11240.D	12/28/24 13:47	n/a	Initial cal 10
V7W405-IC405	7W11241.D	12/28/24 14:25	n/a	Initial cal 20
V7W405-IC405	7W11242.D	12/28/24 15:08	n/a	Initial cal 40
V7W405-IC405	7W11243.D	12/28/24 15:52	n/a	Initial cal 50
V7W405-ICV405	7W11247.D	12/28/24 18:36	n/a	Initial cal verification 10

# Run Sequence Report Job Number: JE5018

Account: SESINJPB SESI Consulting Engineers

Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

<b>Run ID:</b> V7W411		Method: TO-15		Instrument ID: GCMS7W
Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W411-BFB	7W11430.D	01/03/25 19:07	n/a	BFB Tune
V7W411-CC405	7W11431.D	01/03/25 19:45	n/a	Continuing cal 10
V7W411-BS	7W11432.D	01/03/25 20:22	n/a	Blank Spike
V7W411-BSD	7W11433.D	01/03/25 20:59	n/a	Blank Spike Duplicate
V7W411-MB	7W11435.D	01/03/25 22:27	n/a	Method Blank
ZZZZZZ	7W11436.D	01/03/25 23:05	n/a	(unrelated sample)
V7W411-SCC	7W11438.D	01/04/25 00:32	n/a	Summa Cleaning Certification
JE3199-1	7W11441.D	01/04/25 02:44	n/a	(used for QC only; not part of job JE5018)
JE3199-1DUP	7W11442.D	01/04/25 03:32	n/a	Duplicate
ZZZZZZ	7W11443.D	01/04/25 04:19	n/a	(unrelated sample)
ZZZZZZ	7W11444.D	01/04/25 05:16	n/a	(unrelated sample)
ZZZZZZ	7W11445.D	01/04/25 06:02	n/a	(unrelated sample)
ZZZZZZ	7W11446.D	01/04/25 06:50	n/a	(unrelated sample)
ZZZZZZ	7W11447.D	01/04/25 07:38	n/a	(unrelated sample)
ZZZZZZ	7W11448.D	01/04/25 08:25	n/a	(unrelated sample)
ZZZZZZ	7W11449.D	01/04/25 09:14	n/a	(unrelated sample)
ZZZZZZ	7W11450.D	01/04/25 10:00	n/a	(unrelated sample)
ZZZZZZ	7W11451.D	01/04/25 10:47	n/a	(unrelated sample)
ZZZZZZ	7W11452.D	01/04/25 11:44	n/a	(unrelated sample)
ZZZZZZ	7W11453.D	01/04/25 12:33	n/a	(unrelated sample)
ZZZZZZ	7W11454.D	01/04/25 13:22	n/a	(unrelated sample)
ZZZZZZ	7W11455.D	01/04/25 14:10	n/a	(unrelated sample)
ZZZZZZ	7W11456.D	01/04/25 14:59	n/a	(unrelated sample)
ZZZZZZ	7W11457.D	01/04/25 15:47	n/a	(unrelated sample)
ZZZZZZ	7W11458.D	01/04/25 16:33	n/a	(unrelated sample)
ZZZZZZ	7W11459.D	01/04/25 17:17	n/a	(unrelated sample)
ZZZZZZ	7W11460.D	01/04/25 18:02	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE5018
Account: SESINJPB SESI Consulting Engineers

Ossining Investigation, 34 State Street, Ossining, NY **Project:** 

<b>Run ID:</b> V7W440		Method: TO-15		Instrument ID: GCMS7W
Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W440-BFB	7W12377.D	02/04/25 08:46	n/a	BFB Tune
V7W440-CC405	7W12379.D	02/04/25 10:09	n/a	Continuing cal 10
V7W440-BS	7W12380.D	02/04/25 10:47	n/a	Blank Spike
V7W440-BSD	7W12382.D	02/04/25 12:07	n/a	Blank Spike Duplicate
V7W440-MB	7W12384.D	02/04/25 13:42	n/a	Method Blank
ZZZZZZ	7W12385.D	02/04/25 14:27	n/a	(unrelated sample)
JE5018-1	7W12386.D	02/04/25 15:12	n/a	SV-1
JE5018-1DUP	7W12387.D	02/04/25 15:57	n/a	Duplicate
JE5018-2	7W12388.D	02/04/25 16:42	n/a	SV-2
JE5018-3	7W12389.D	02/04/25 17:27	n/a	SSSV-1
ZZZZZZ	7W12392.D	02/04/25 19:21	n/a	(unrelated sample)
ZZZZZZ	7W12393.D	02/04/25 19:59	n/a	(unrelated sample)
ZZZZZZ	7W12394.D	02/04/25 20:39	n/a	(unrelated sample)
ZZZZZZ	7W12397.D	02/04/25 22:43	n/a	(unrelated sample)
ZZZZZZ	7W12399.D	02/05/25 00:05	n/a	(unrelated sample)
ZZZZZZ	7W12400.D	02/05/25 00:50	n/a	(unrelated sample)
ZZZZZZ	7W12401.D	02/05/25 01:31	n/a	(unrelated sample)
ZZZZZZ	7W12402.D	02/05/25 02:10	n/a	(unrelated sample)
ZZZZZZ	7W12403.D	02/05/25 02:48	n/a	(unrelated sample)
ZZZZZZ	7W12404.D	02/05/25 03:26	n/a	(unrelated sample)
ZZZZZZ	7W12405.D	02/05/25 04:04	n/a	(unrelated sample)
ZZZZZZ	7W12406.D	02/05/25 04:42	n/a	(unrelated sample)
ZZZZZZ	7W12407.D	02/05/25 05:20	n/a	(unrelated sample)
JE5018-1	7W12408.D	02/05/25 06:01	n/a	SV-1
JE5018-2	7W12409.D	02/05/25 06:40	n/a	SV-2
ZZZZZZ	7W12411.D	02/05/25 08:02	n/a	(unrelated sample)
ZZZZZZ	7W12412.D	02/05/25 08:43	n/a	(unrelated sample)





MS Volatiles

Dayton, NJ

Raw Data

#### Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\02-05-2025\V7W440\

Data File : 7w12386.D

Inst : MS7W

Acq On : 4 Feb 2025 3:12 pm

Operator : williamc

Sample : je5018-1

Misc : MS89321, v7w440, 400, , , , 1 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 05 11:28:09 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via: Initial Calibration

Internal Standards		Compound	R.T.	QIon	Response	Conc Units De	v(Min)
1   BROMOCHLOROMETHANE   3.226   128   129721   10.00 PPBV   0.00   76   CHLOROBENZENE   4.492   114   672165   10.00 PPBV   0.00   76   CHLOROBENZENE   50   10.032   117   620307   10.00 PPBV   0.00   109   BROMOCHLOROMETHANE   A   3.226   128   129721   10.00 PPBV   0.00   109   BROMOCHLOROMETHANE   A   3.226   128   129721   10.00 PPBV   0.00   109   BROMOCHLOROMETHANE   A   3.226   128   129721   10.00 PPBV   0.00   120	Inte	rnal Standards					
System Monitoring Compounds   R7	1)	BROMOCHLOROMETHANE	3.226	128	129721	10.00 PPBV	0.00
System Monitoring Compounds   R7	52)	1,4-DIFLUOROBENZENE	4.492	114	672165	10.00 PPBV	
System Monitoring Compounds   R7	76)	CHLOROBENZENE-D5	10.032	117	620307	10.00 PPBV	0.00
System Monitoring Compounds   R7	109)	BROMOCHLOROMETHANE (A)	3.226	128	129721	10.00 PPBV	0.00
Target Compounds 6) DICHLORODIFLUOROMETHANE 6) DICHLORODIFLUOROMETHANE 7) PROPYLENE 1.666 85 12243 0.3785 PPBV # 93 7) PROPYLENE 1.647 41 17507 2.0566 PPBV 89 13) N-BUTANE 1.824 43 31208 1.8550 PPBV 97 17) ACETONITRILE 2.026 41 3542 0.3397 PPBV # 93 21) TRICHLOROFLUOROMETHANE 2.155 101 13852 0.4863 PPBV 89 22) ISOPROPYL ALCOHOL 2.177 45 22819 0.9495 PPBV # 82 23) ACETONE 2.271 45 22819 0.9495 PPBV # 82 23) ACETONE 2.271 42 20828 1.8043 PPBV 95 27) CARBON DISULFIDE 2.492 76 47315 1.6892 PPBV # 10 28) ETHANOL 1.962 45 47776 7.2623 PPBV 99 31) METHYLENE CHLORIDE 2.396 84 11325 1.1030 PPBV 85 35) TERTIARY BUTYL ALCOHOL 2.383 59 25910 0.9375 PPBV 93 37) TERTIARY BUTYL ALCOHOL 2.383 59 25910 0.9375 PPBV 93 38) HEXANE 3.277 57 21247 0.9945 PPBV 87 41) METHYL ETHYL KETONE 2.959 72 32152 5.5788 PPBV 72 44) ETHYL ACETATE 3.287 61 8297 2.0270 PPBV # 10 51) BENZENE 4.171 78 43378 1.2521 PPBV 98 53) CYCLOHEXANE 4.171 78 43378 1.2521 PPBV 98 53) CYCLOHEXANE 4.171 78 43378 1.2521 PPBV 98 53) CYCLOHEXANE 4.171 78 43378 1.2521 PPBV 98 53) CYCLOHEXANE 5.061 9.5 5054 0.2958 PPBV 92 60) 2.2,4-TRIMETHYLPENTANE 5.061 9.5 5054 0.2958 PPBV 92 60) 2.2,4-TRIMETHYLPENTANE 5.162 71 986 0.1183 PPBV 92 60) 2.2,2-TRICHLOROETHENE 5.061 95 5054 0.2958 PPBV 92 60) DLENCAMPE 5.177 57 1.040 0.1708 PPBV 95 60) CYCLOHEXANE 5.178 79 1.040 0.1708 PPBV 95 60) CYCLOHEXANE 7.772 58 1.040 0.1708 PPBV 95 60) CYCLOHEXANE 7.772 58 1.040 0.1708 PPBV 95 60) CYCLOHEXANE 7.772 58 1.040 0.1708 PPBV 95 60) CYCLOHEXANE 7.772 58 1.040 0.1708 PPBV 95 60) CYCLOHEXANE 7.772 58 1.040 0.1708 PPBV 95 60) CYCLOHEXANE 7.772 58 1.040 0.1708 PPBV 95 610 0.2-HEXANONE 7.772 58 1.040 0.01148 PPBV 99 620 2.2-HEXANONE 7.772 58 1.040 0.01708 PPBV 95 621 TETRACHLOROETHENE 6.106 68 111.370 91 608095 12.6968 PPBV 90 630 M,P-XYLENE 11.370 91 608095 12.6968 PPBV 90 640 METHYL ISOBUTYL KETONE 11.370 91 608095 12.6968 PPBV 90 681 0-XYLENE 11.370 91 608095 12.6968 PPBV 90 681 0-XYLENE 11.370 91 608095 12.6968 PPBV 90 683 ISOFROPYLBENZENE 11.370 91 608095 12.6968 PPBV 95 681 10-XYLENE 11.3	,	(,					
Target Compounds 6) DICHLORODIFLUOROMETHANE 1.666 85 12243 0.3785 PPBV # 93 7) PROPYLENE 1.647 41 17507 2.0566 PPBV 89 13) N-BUTANE 1.824 43 31208 1.8550 PPBV 89 717) ACETONITRILE 2.026 41 3542 0.3397 PPBV # 93 21) TRICHLOROFLUOROMETHANE 2.155 101 13852 0.4863 PPBV 89 22) ISOPROPYL ALCOHOL 2.177 45 22819 0.9495 PPBV 82 22) ISOPROPYL ALCOHOL 2.177 45 22819 0.9495 PPBV # 82 23) ACETONE 2.100 58 718325 95.3077 PPBV 97 70 24) PENTANE 2.271 42 20828 1.8043 PPBV 95 27) CARBON DISULFIDE 2.492 76 47315 1.6892 PPBV # 10 28) ETHANOL 1.962 45 47776 7.2623 PPBV 89 31) METHYLENE CHLORIDE 2.396 84 11325 1.1030 PPBV 85 335) TERTIARY BUTYL ALCOHOL 2.383 59 25910 0.9375 PPBV 85 38) HEXANE 3.277 57 21247 0.9945 PPBV 85 38) HEXANE 3.277 57 21247 0.9945 PPBV 87 44) ETHYL KETONE 2.959 72 32152 5.5788 PPBV 72 44) ETHYL ACETATE 3.287 61 8297 2.0270 PPBV # 15 53) CYCLOHEXANE 4.373 84 3378 1.2521 PPBV 98 530 CYCLOHEXANE 4.373 84 3875 0.2440 PPBV 95 60 2, 2, 4-TRIMETHYLPENTANE 4.627 71 986 0.1183 PPBV 92 64) 2, 3-DIMETHYLPENTANE 5.061 95 5054 0.2958 PPBV 92 64) METHYL ISOBUTYL KETONE 5.061 95 5054 0.2958 PPBV 92 64) METHYL ISOBUTYL KETONE 5.061 95 5054 0.2958 PPBV 92 64) METHYL ISOBUTYL KETONE 5.061 95 5054 0.2958 PPBV 96 60 2, 2, 4-TRIMETHYLPENTANE 5.152 57 1040 0.1708 PPBV \$5 66 TOLUENE 7.187 91 533260 11.2277 PPBV 96 60 1.2440 PPBV 95 66 TOLUENE 7.187 91 533260 11.2277 PPBV 98 72 11.00 70 2-HEXANONE 7.772 58 13020 0.6149 PPBV 85 72 TETRACHOROETHENE 7.187 91 533260 11.2277 PPBV 90 98 90 90 90 90 90 90 90 90 90 90 90 90 90	Syst	em Monitoring Compounds					
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	87)	4-BROMOFLUOROBENZENE	13.383	95	472233	10.49 PPBV	0.00
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	Taro	et Compounds				0	value
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	6)	DICHLORODIFIJIOROMETHANE	1.666	85	12243	0.3785 PPBV	# 93
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	7)	PROPYLENE	1.647	41	17507	2.0566 PPBV	89
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	13)	N-BUTANE	1.824	43	31208	1.8550 PPBV	97
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	17)	ACETONITRILE	2.026	41	3542	0.3397 PPBV	# 93
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	21)	TRICHLOROFI, JOROMETHANE	2.155	101	13852	0.4863 PPBV	89
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	22)	ISOPROPYL ALCOHOL	2.177	45	22819	0.9495 PPBV	# 82
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	23)	ACETONE	2 100	58	718325	95 3077 PPBV	70
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	24)	PENTANE	2.271	42	20828	1.8043 PPBV	95
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	27)	CARBON DISULFIDE	2.492	76	47315	1.6892 PPBV	# 10
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	28)	ETHANOL	1.962	4.5	47776	7.2623 PPBV	99
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	31)	METHYLENE CHLORIDE	2.396	84	11325	1.1030 PPBV	85
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	35)	TERTIARY BUTYL ALCOHOL	2.383	59	25910	0.9375 PPBV	93
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	37)	TETRAHYDROFURAN	3.528	72	965	0.1860 PPBV	85
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	38)	HEXANE	3.277	57	21247	0.9945 PPBV	87
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	41)	METHYL ETHYL KETONE	2.959	72	32152	5.5788 PPBV	72
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	44)	ETHYL ACETATE	3.287	61	8297	2.0270 PPBV	# 1
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	51)	BENZENE	4.171	78	43378	1.2521 PPBV	98
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	53)	CYCLOHEXANE	4.373	84	3875	0.2440 PPBV	92
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	54)	2,3-DIMETHYLPENTANE	4.627	71	986	0.1183 PPBV	# 74
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	55)	TRICHLOROETHENE	5.061	95	5054	0.2958 PPBV	92
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	60)	2,2,4-TRIMETHYLPENTANE	5.152	57	11040	0.1708 PPBV	# 54
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	62)	HEPTANE	5.470	43	19383	0.8533 PPBV	92
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	64)	METHYL ISOBUTYL KETONE	6.106	58	11133	0.8210 PPBV	95
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	66)	TOLUENE	7.187	91	533260	11.2277 PPBV	100
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	70)	2-HEXANONE	7.772	58	13020	0.6149 PPBV	85
75) OCTANE 9.055 43 23030 0.7156 PPBV 92 79) ETHYLBENZENE 10.984 91 192232 3.1464 PPBV 99 80) M,P-XYLENE 11.370 91 608095 12.6968 PPBV 60 81) O-XYLENE 12.341 91 218458 4.5416 PPBV 98 83) NONANE 13.460 43 23773 0.7195 PPBV 97 88) ISOPROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	72)	TETRACHLOROETHENE	8.904	164	236584	13.1468 PPBV	98
91) N-PROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	75)	OCTANE	9 055	43	23030	0.7156 PPBV	92
91) N-PROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	79)	ETHYLBENZENE	10.984	91	192232	3.1464 PPBV	99
91) N-PROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	80)	M,P-XYLENE	11.370	91	608095	12.6968 PPBV	60
91) N-PROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	81)	O-XYLENE	12.341	91	218458	4.5416 PPBV	98
91) N-PROPYLBENZENE 13.849 120 6197 0.3372 PPBV 92 91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	83)	NONANE	13.460	43	23773	0.7195 PPBV	97
91) N-PROPYLBENZENE 15.193 120 15922 0.8548 PPBV 95	88)	ISOPROPYLBENZENE	13.849	120	6197	0.3372 PPBV	92
92) 4-ETHYLTOLUENE 15.630 105 78461 1.1745 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.907 105 49619 0.8826 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.534 105 167361 2.9512 PPBV # 35 101) SEC-BUTYLBENZENE 16.836 134 2168 0.1293 PPBV 94 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 33997 0.5985 PPBV 96 103) P-ISOPROPYLTOLUENE 17.029 134 1979 0.1065 PPBV 84 108) NAPHTHALENE 18.376 128 9326 0.1346 PPBV 95	91)	N-PROPYLBENZENE	15.193	120	15922	0.8548 PPBV	95
93) 1,3,5-TRIMETHYLBENZENE 15.907 105 49619 0.8826 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.534 105 167361 2.9512 PPBV # 35 101) SEC-BUTYLBENZENE 16.836 134 2168 0.1293 PPBV 94 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 33997 0.5985 PPBV 96 103) P-ISOPROPYLTOLUENE 17.029 134 1979 0.1065 PPBV 84 108) NAPHTHALENE 18.376 128 9326 0.1346 PPBV 95	92)	4-ETHYLTOLUENE	15.630	105	78461	1.1745 PPBV	
96) 1,2,4-TRIMETHYLBENZENE 16.534 105 167361 2.9512 PPBV # 35 101) SEC-BUTYLBENZENE 16.836 134 2168 0.1293 PPBV 94 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 33997 0.5985 PPBV 96 103) P-ISOPROPYLTOLUENE 17.029 134 1979 0.1065 PPBV 84 108) NAPHTHALENE 18.376 128 9326 0.1346 PPBV 95	93)	1,3,5-TRIMETHYLBENZENE	15.907	105	49619	0.8826 PPBV	
101) SEC-BUTYLBENZENE       16.836       134       2168       0.1293 PPBV       94         102) 1,2,3-TRIMETHYLBENZENE       16.955       105       33997       0.5985 PPBV       96         103) P-ISOPROPYLTOLUENE       17.029       134       1979       0.1065 PPBV       84         108) NAPHTHALENE       18.376       128       9326       0.1346 PPBV       95	96)	1,2,4-TRIMETHYLBENZENE	16.534	105	167361	2.9512 PPBV	
102) 1,2,3-TRIMETHYLBENZENE       16.955       105       33997       0.5985 PPBV       96         103) P-ISOPROPYLTOLUENE       17.029       134       1979       0.1065 PPBV       84         108) NAPHTHALENE       18.376       128       9326       0.1346 PPBV       95	101)	SEC-BUTYLBENZENE	16.836	134	2168	0.1293 PPBV	94
103) P-ISOPROPYLTOLUENE       17.029       134       1979       0.1065 PPBV       84         108) NAPHTHALENE       18.376       128       9326       0.1346 PPBV       95	102)	1,2,3-TRIMETHYLBENZENE	16.955	105	33997	0.5985 PPBV	96
108) NAPHTHALENE 18.376 128 9326 0.1346 PPBV 95	103)	P-ISOPROPYLTOLUENE	17.029	134	1979	0.1065 PPBV	84
	108)	NAPHTHALENE	18.376	128	9326	0.1346 PPBV	95

<sup>(#) =</sup> qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\02-05-2025\V7W440\

Data File: 7w12386.D

4 Feb 2025 Acq On 3:12 pm : williamc Operator

: MS7W : je5018-1 Inst Sample

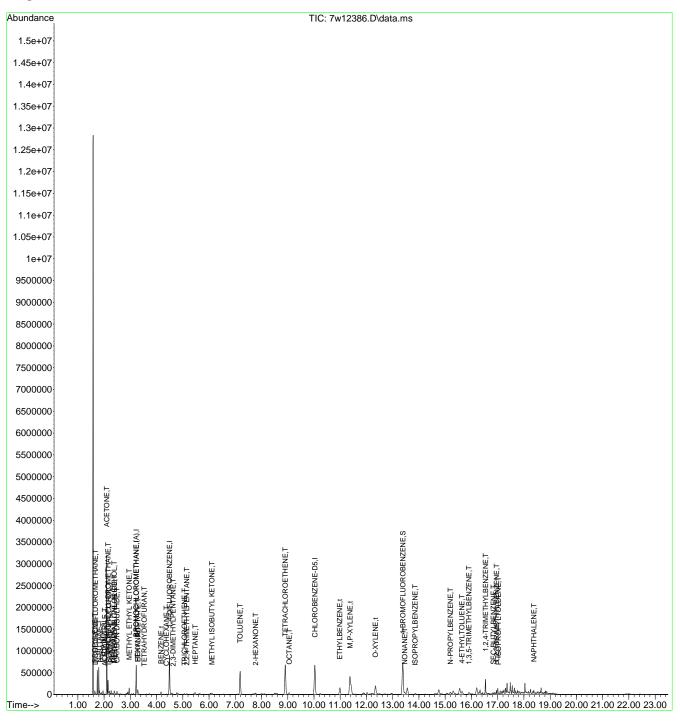
Misc : MS89321, v7w440, 400, , , , 1 : 3 ALS Vial Sample Multiplier: 1

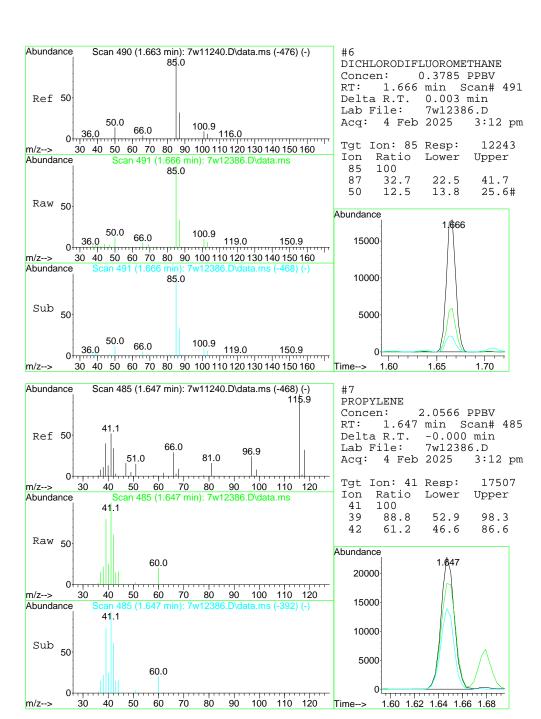
Quant Time: Feb 05 11:28:09 2025

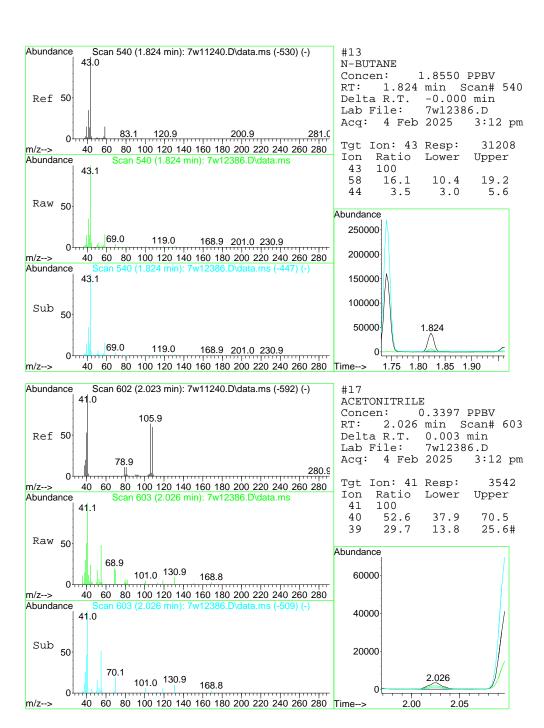
Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

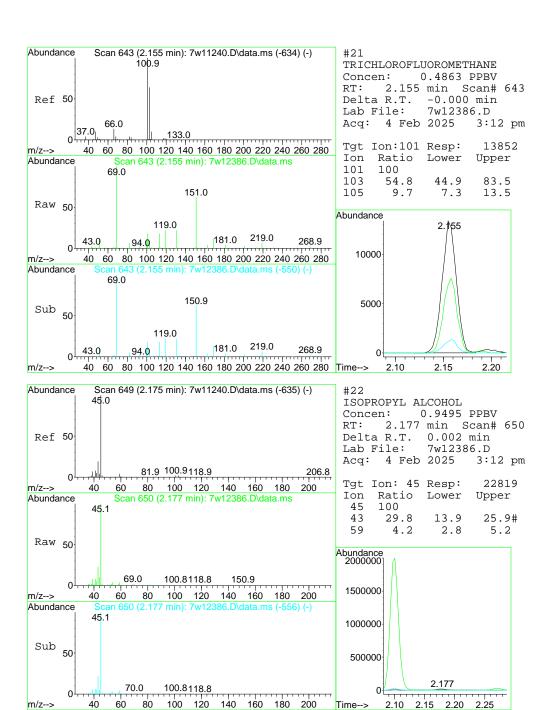
Response via : Initial Calibration

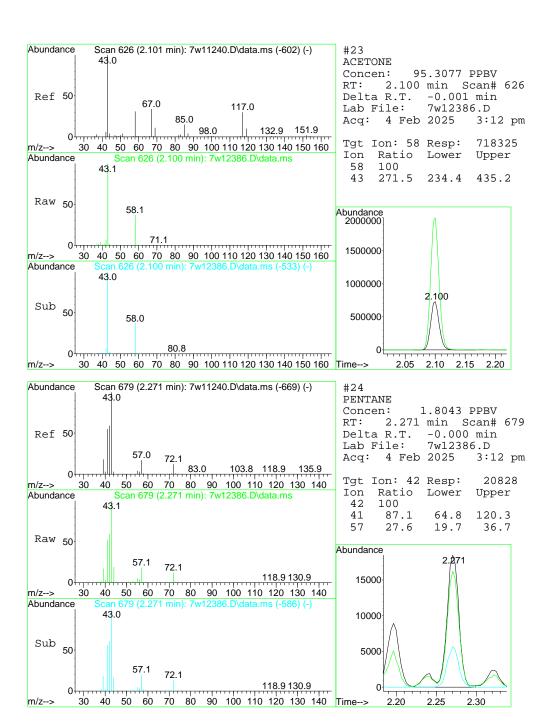


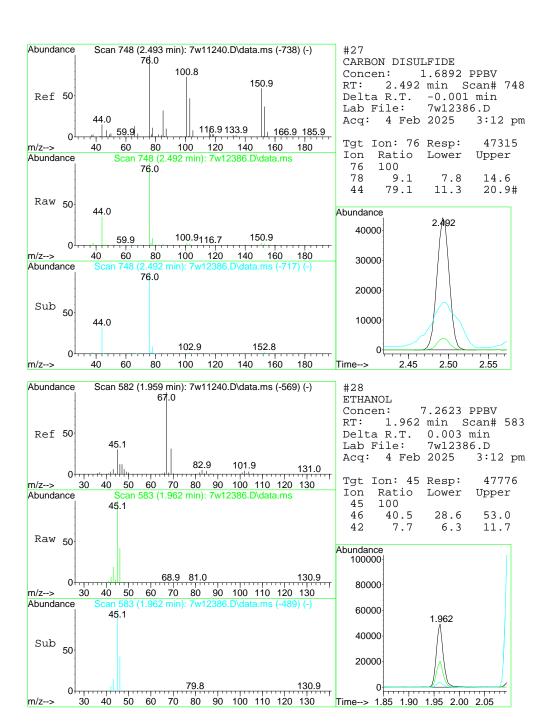


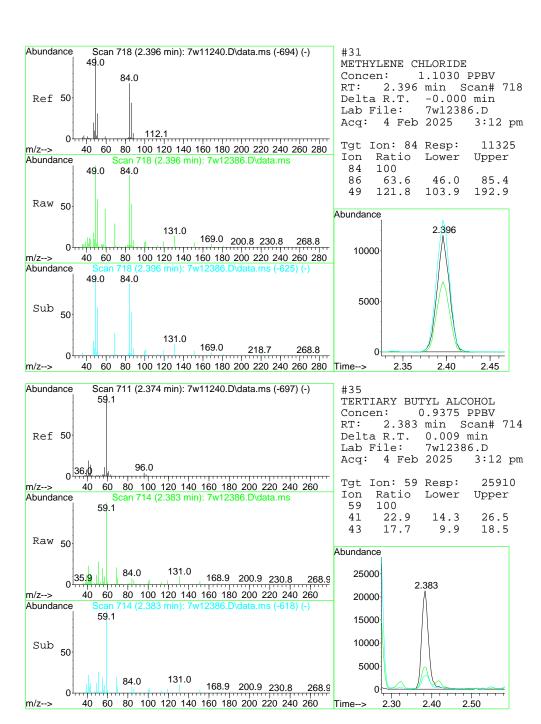


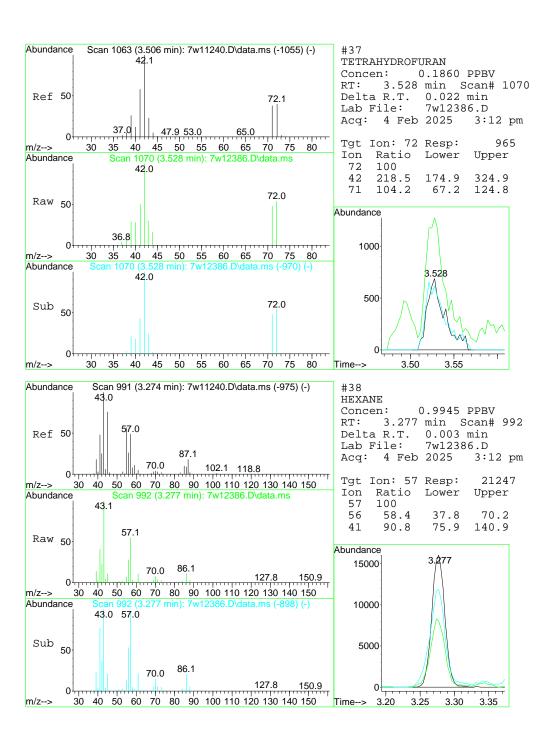
JE5018

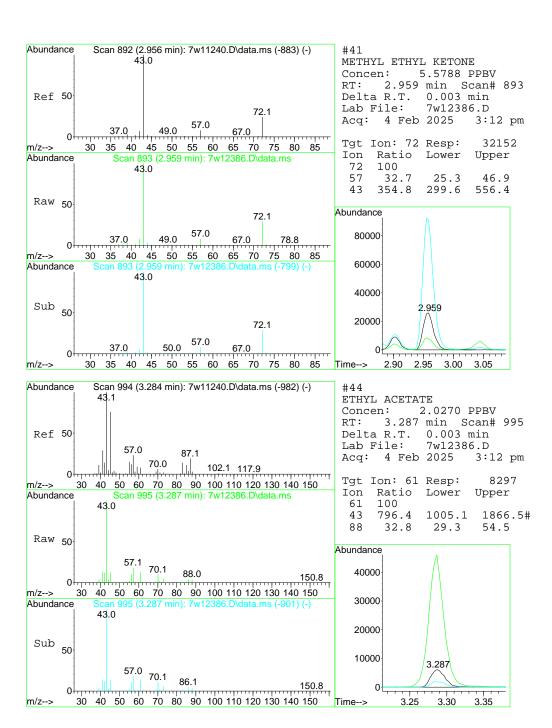


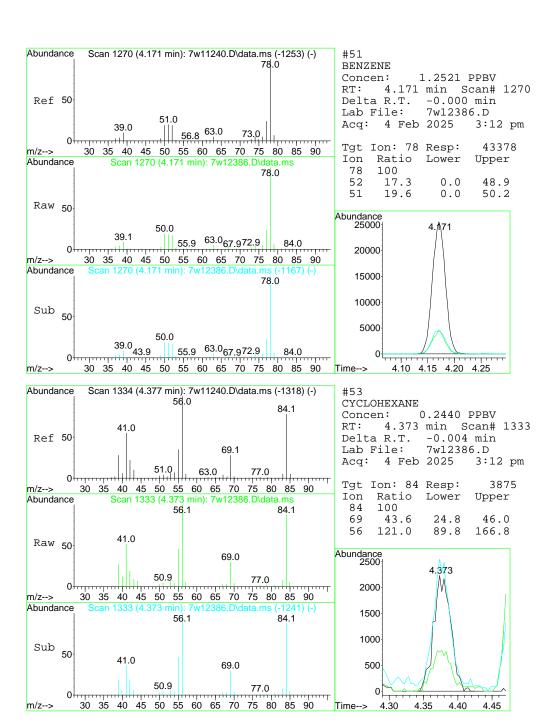


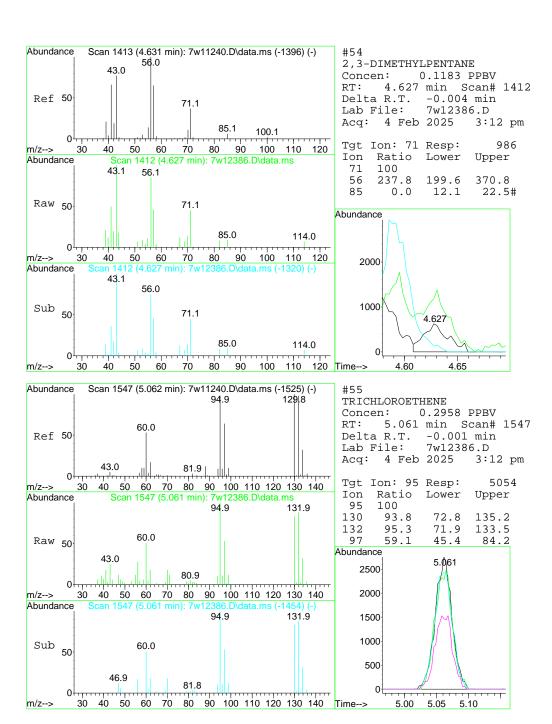


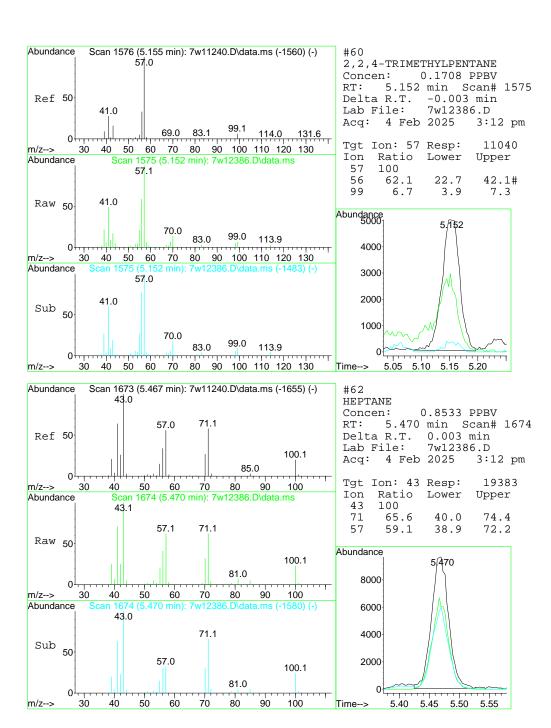




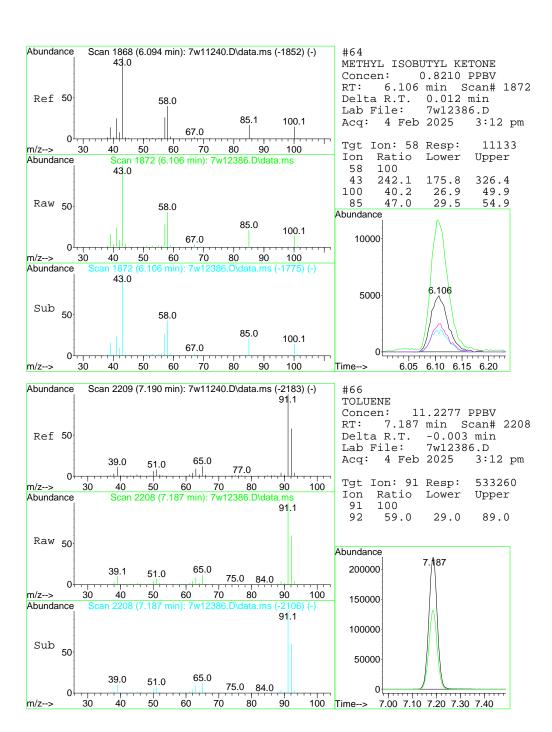




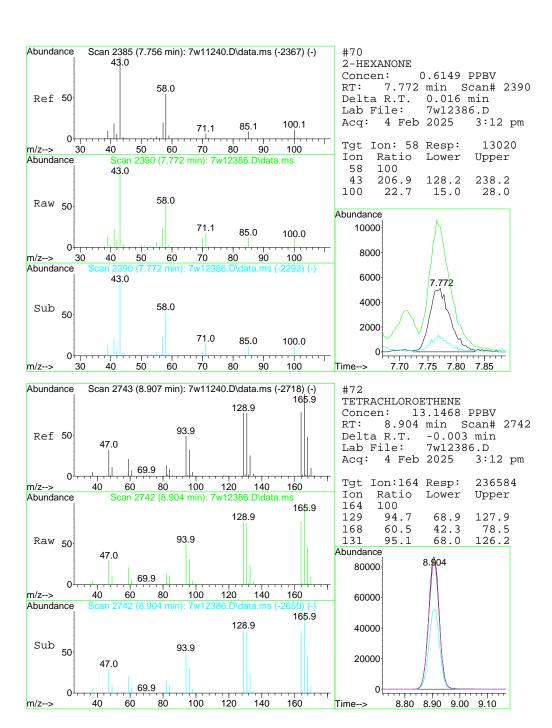


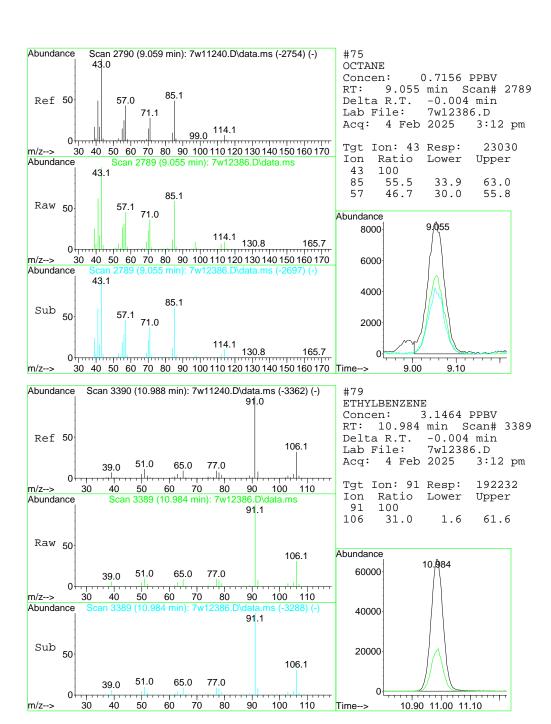


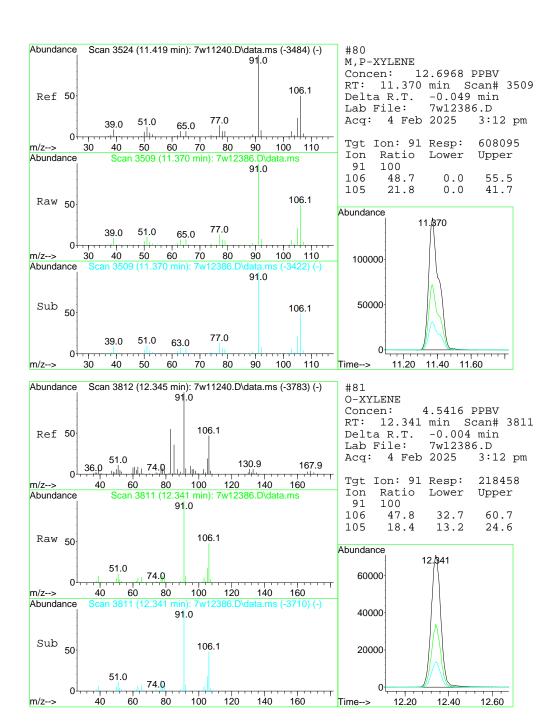
JE5018

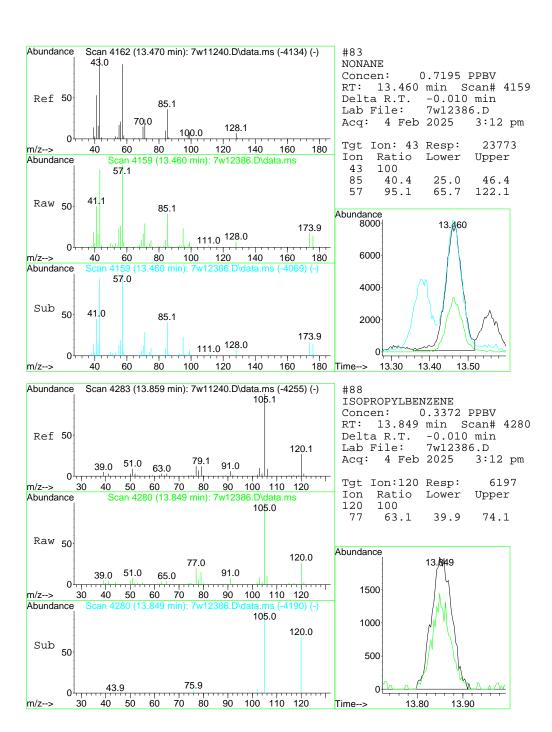


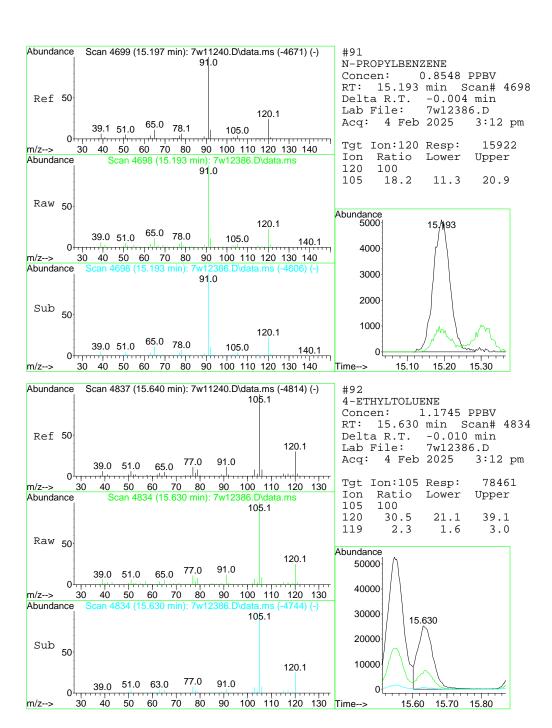


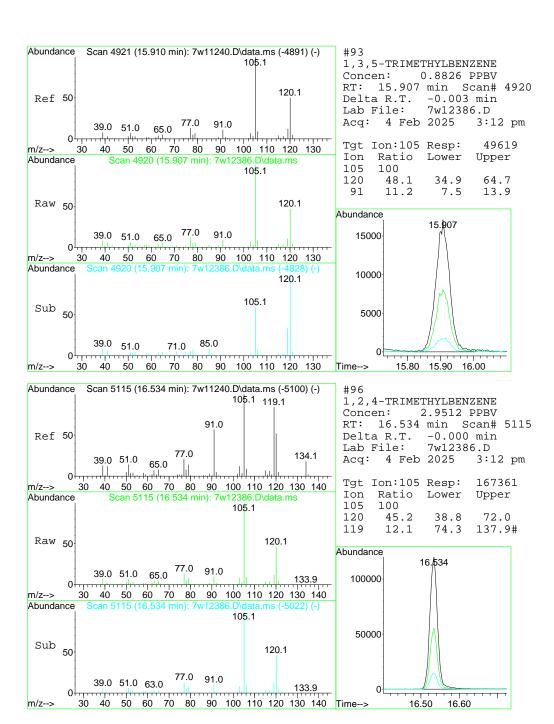


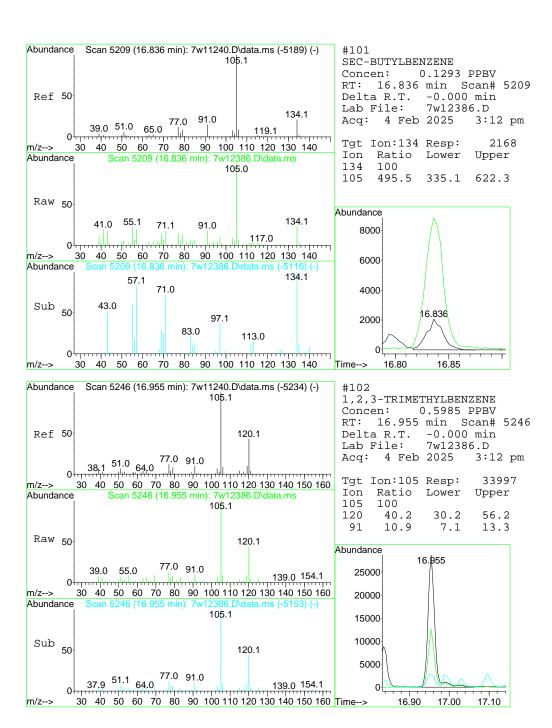


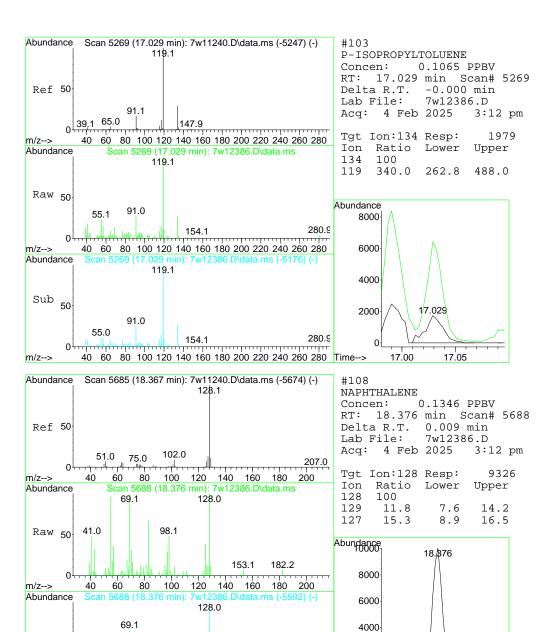












Sub 50

m/z-->

41.0

98.0

100

182.2

180

153.1

140 160

2000

Time-->

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\020525\v7w440\

Data File : 7w12408.D

Inst : MS7W

Acq On : 5 Feb 2020 Operator : williamc Sample : je5018-1 Misc : MS89321,v7w440,100,,,,1 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 05 16:50:20 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via: Initial Calibration

Compound	R.T.	QIon	Response	Conc Units Dev	v(Min)
Internal Standards  1) BROMOCHLOROMETHANE 52) 1,4-DIFLUOROBENZENE 76) CHLOROBENZENE-D5			121441 627001		
76) CHLOROBENZENE-D5	10.029	117	595153	10.00 PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	121441	10.00 PPBV	0.00
System Monitoring Compounds 87) 4-BROMOFLUOROBENZENE	13.382	95	454647	10.53 PPBV	0.00
Target Compounds				Q	value
6) DICHLORODIFLUOROMETHANE	1.666	85	3824	0.1263 PPBV	# 92
7) PROPYLENE	1.647	41	6140	0.7704 PPBV 0.5458 PPBV	89
7) PROPYLENE 13) N-BUTANE 17) ACETONITRILE	1.823	43	8597	0.5458 PPBV	# 94
17) ACETONITRILE	2.026	41	991m	0.1015 PPBV 0.1602 PPBV	
21) TRICHLOROFLUOROMETHANE 22) ISOPROPYL ALCOHOL 23) ACETONE 24) PENTANE	2 1 5 5	101	4271	0.1602 PPBV	84
22) ISOPROPYL ALCOHOL	2.187	45	6713	0.2984 PPBV	# 83
23) ACETONE	2.103	58	211797	30.0173 PPBV	67
24) PENTANE	2.270	42	5859	0.5422 PPBV	99
22) ISOPROPYL ALCOHOL 23) ACETONE 24) PENTANE 27) CARBON DISULFIDE 28) ETHANOL	2.492	76	12539	0.4782 PPBV	# 76
28) ETHANOL	1.965	45	14486	2.3521 PPBV	99
31) METHYLENE CHLORIDE	2.399	84	4103	0.4269 PPBV	85
35) TERTIARY BUTYL ALCOHOL	2.393	59	7131	0.2756 PPBV	# 75
37) TETRAHYDROFURAN	3.524	72	503	0.1036 PPBV	89
38) HEXANE	3.280	57	6134	0.3067 PPBV	88
39) VINYL ACETATE	2.859	86	375	0.1264 PPBV	# 12
28) ETHANOL 31) METHYLENE CHLORIDE 35) TERTIARY BUTYL ALCOHOL 37) TETRAHYDROFURAN 38) HEXANE 39) VINYL ACETATE 41) METHYL ETHYL KETONE 44) ETHYL ACETATE 51) BENZENE 55) TRICHLOROETHENE	2.962	72	9193	1.7039 PPBV	79
44) ETHYL ACETATE	3.293	61	2359	0.6156 PPBV	# 1
51) BENZENE	4.174	78	12828	0.3955 PPBV	98
55) TRICHLOROETHENE	5.058	95	1456	0.0914 PPBV	97
62) HEPTANE	5.473	43	5898	0.2784 PPBV	97
64) METHYL ISOBUTYL KETONE	6.116	58	3108	0.2457 PPBV	99
51) BENZENE 55) TRICHLOROETHENE 62) HEPTANE 64) METHYL ISOBUTYL KETONE 66) TOLUENE	7.187	91	150955	3.4073 PPBV	100
70) 2-HEXANONE	7.788	58	3495	0.1769 PPBV	89
72) TETRACHLOROETHENE	8.904	164	68400	4.0747 PPBV	97
75) OCTANE	8.904 9.055	43	7003	0.2333 PPBV	99
19) EIHIDENZENE	10.984	91	53108 170923	0.9060 PPBV 3.7196 PPBV	100
80) M,P-XYLENE	11.370	91	170923	3.7196 PPBV	61
81) O-XYLENE	12.344	91	60280	1.3062 PPBV	99
83) NONANE	13.463	43	6849	0.2161 PPBV	93
91) N-PROPYLBENZENE	15.186	120	4133	0.2313 PPBV	97
92) 4-ETHYLTOLUENE	15.633	105	21166	0.3302 PPBV 0.2271 PPBV	99
93) 1,3,5-TRIMETHYLBENZENE	15.910	105	12250	0.2271 PPBV	97
90) 1,2,4-TRIMETHYLBENZENE	16.533	105	42748	0.7857 PPBV	# 35
80) M,P-XYLENE 81) O-XYLENE 83) NONANE 91) N-PROPYLBENZENE 92) 4-ETHYLTOLUENE 93) 1,3,5-TRIMETHYLBENZENE 96) 1,2,4-TRIMETHYLBENZENE 102) 1,2,3-TRIMETHYLBENZENE	16.955	T02	8619	U.1581 PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\020525\v7w440\

Data File: 7w12408.D

5 Feb 2025 6:01 am Acq On

Operator : williamc

: MS7W : je5018-1 Inst Sample

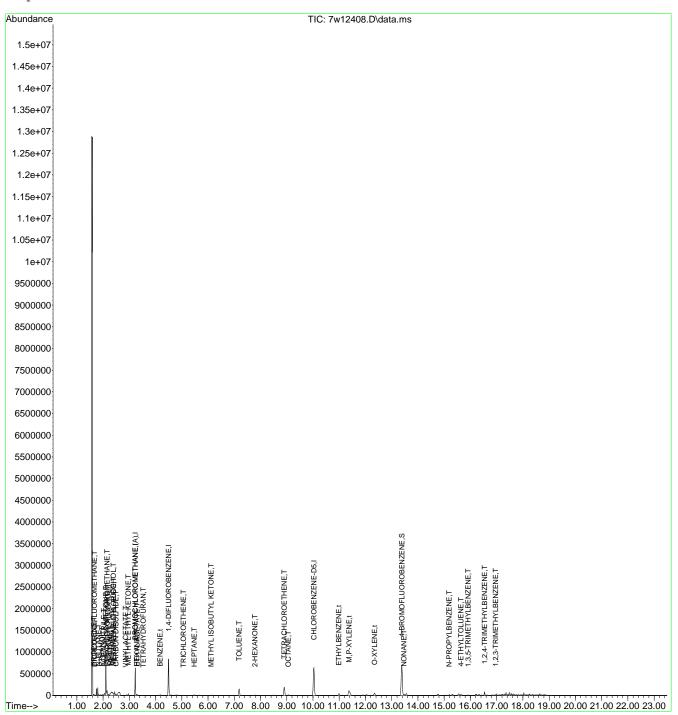
Misc : MS89321, v7w440, 100, , , , 1 ALS Vial : 24 Sample Multiplier: 1

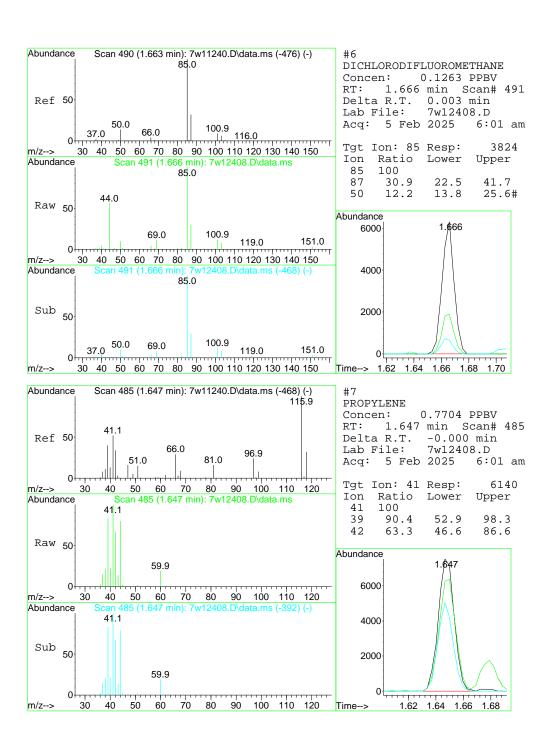
Quant Time: Feb 05 16:50:20 2025

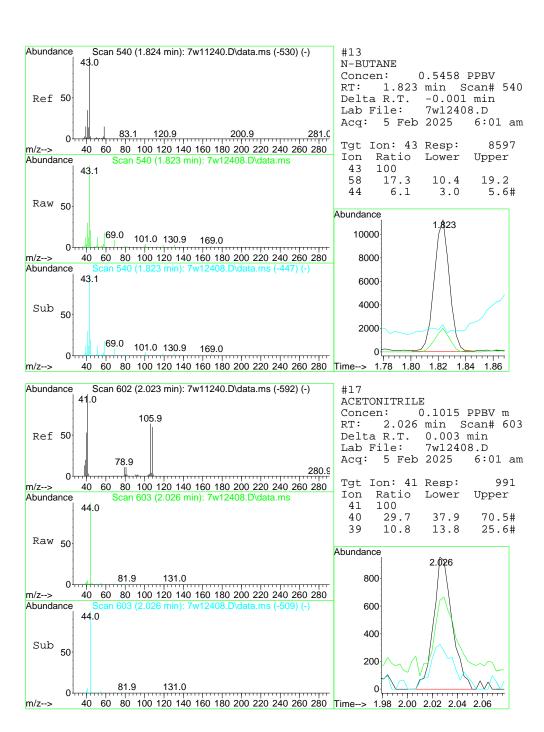
Quant Method: C:\msdchem\1\methods\M7W405.M

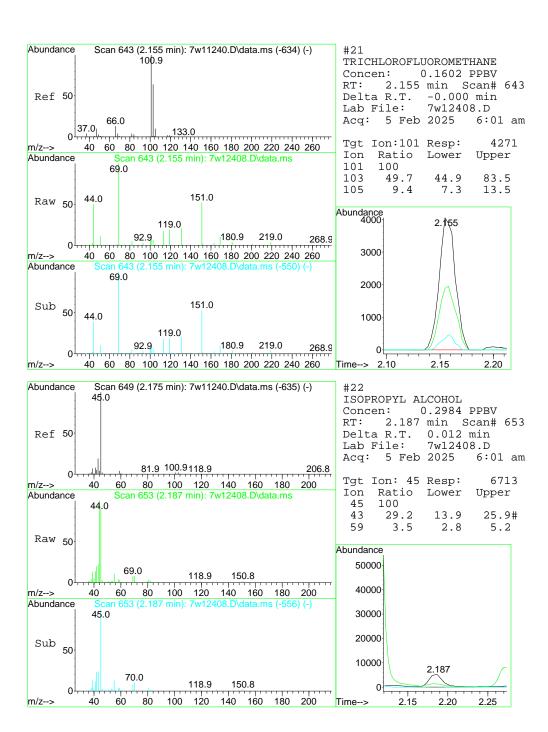
Quant Title : T015 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

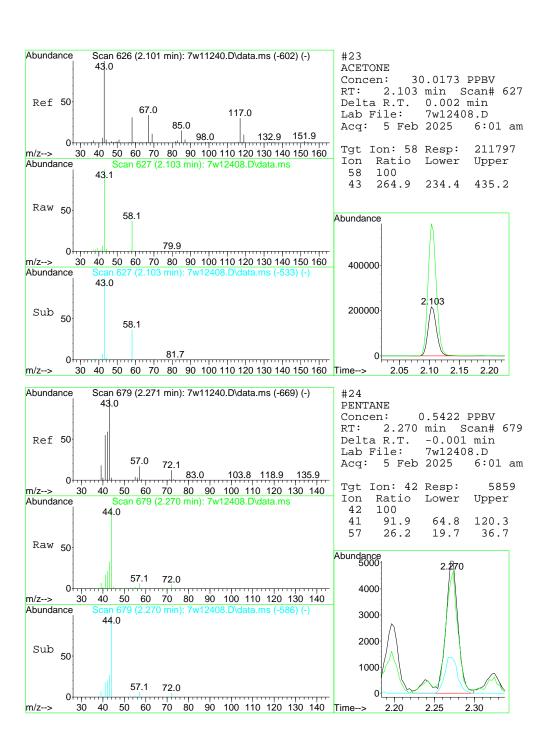
Response via : Initial Calibration

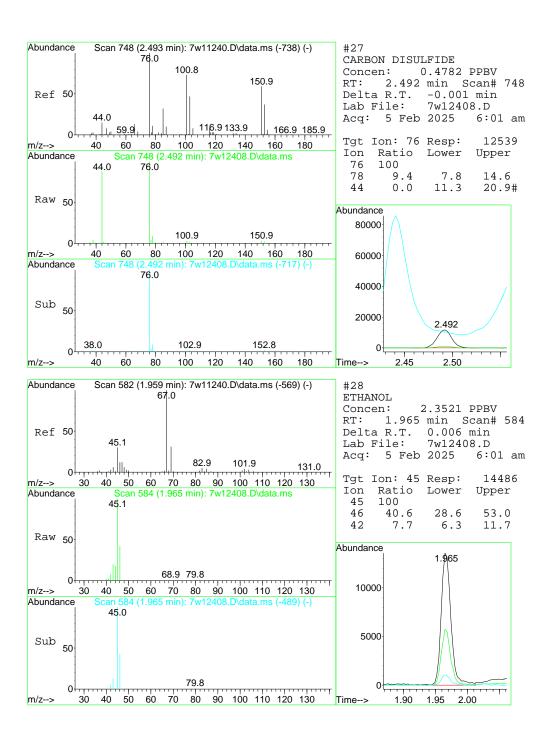


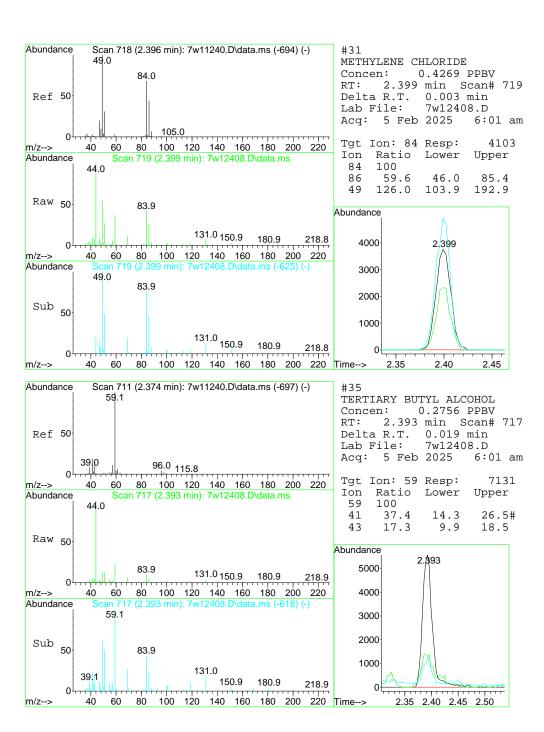


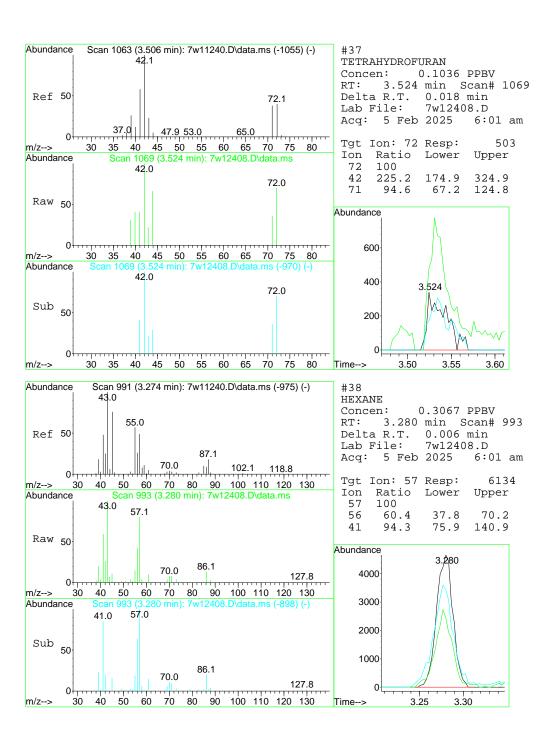


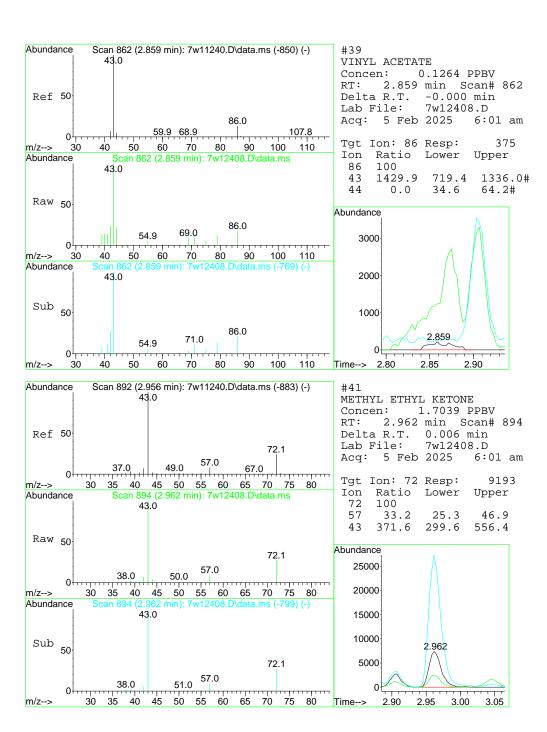


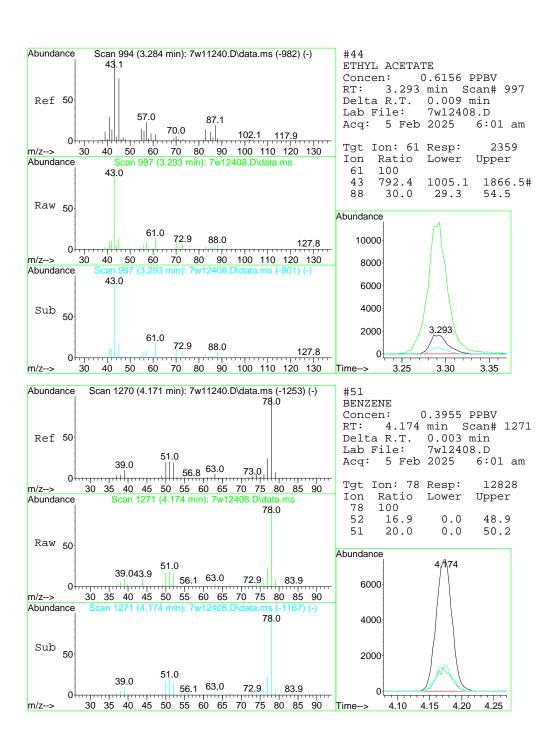


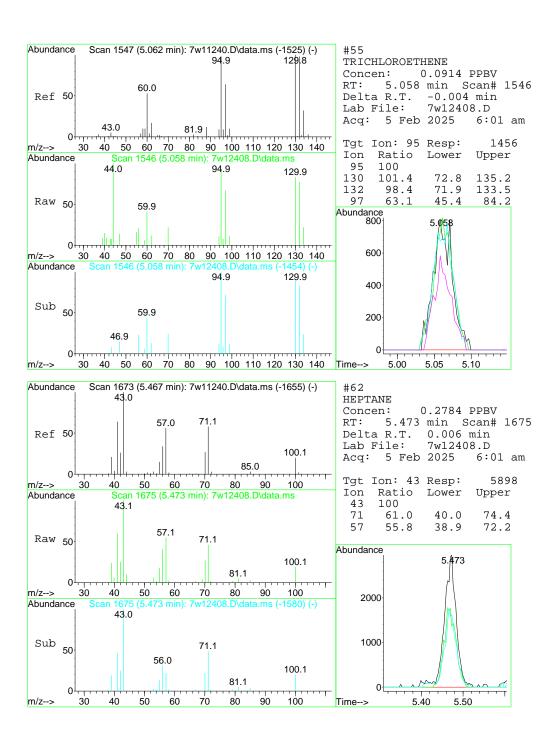


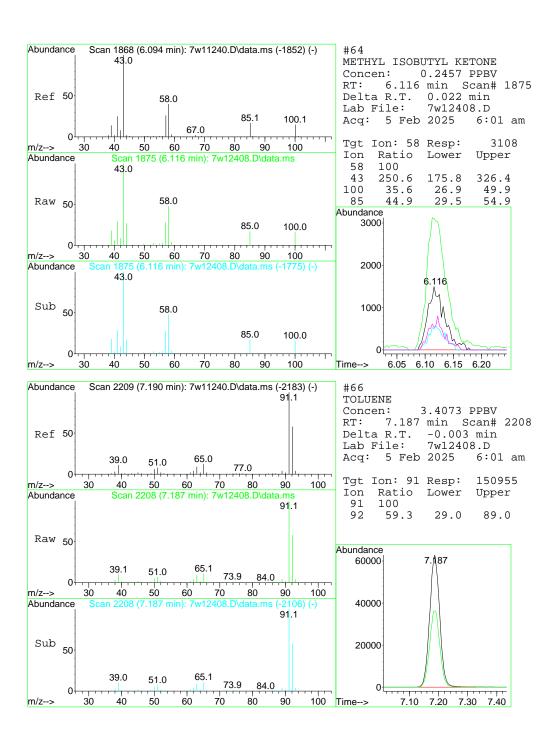


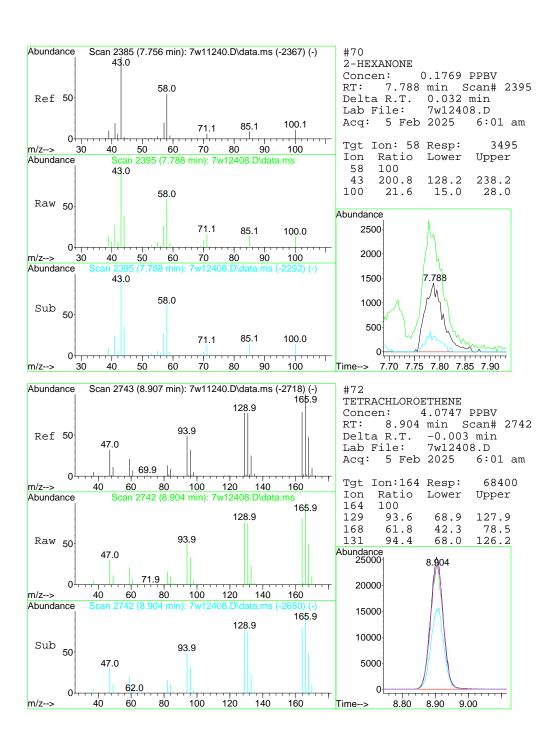


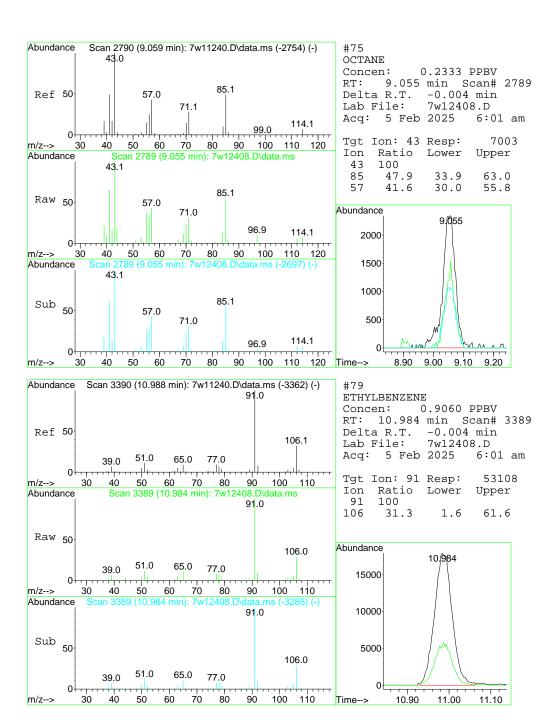


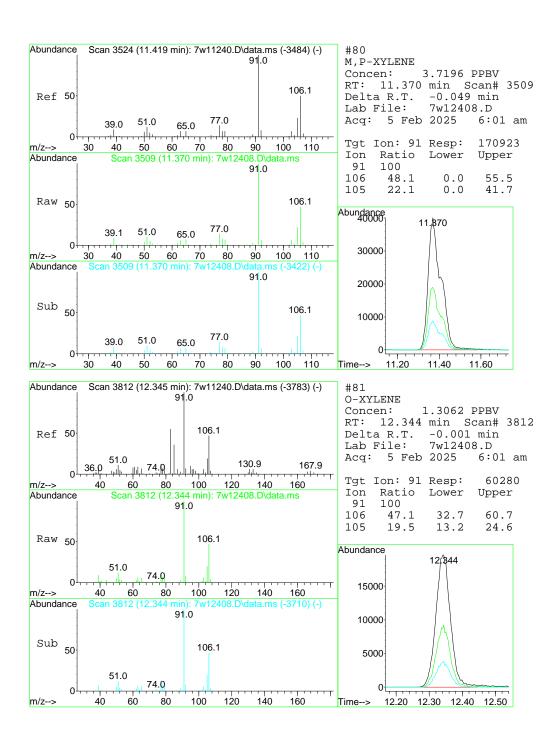


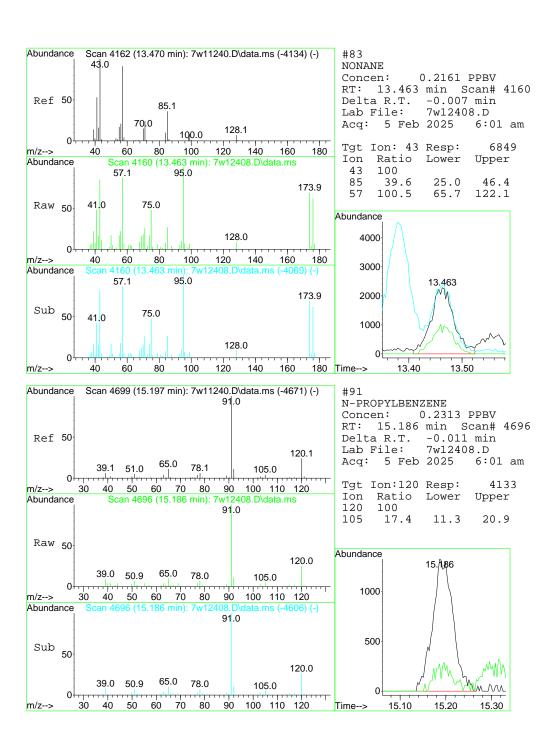


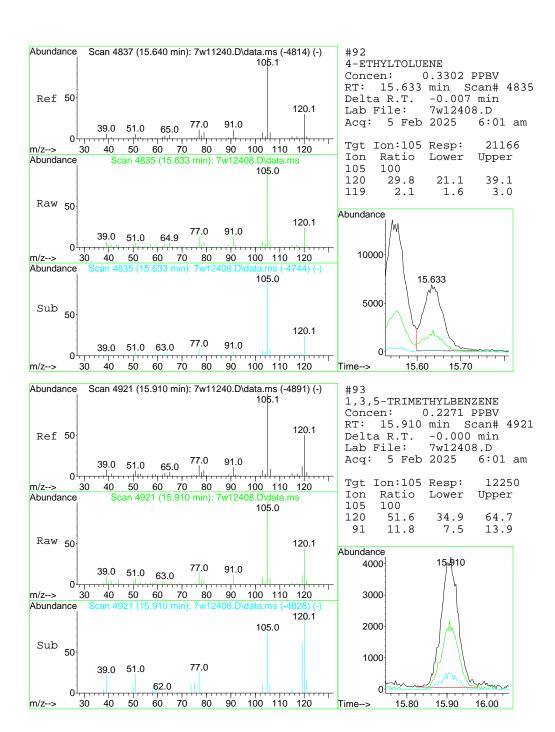


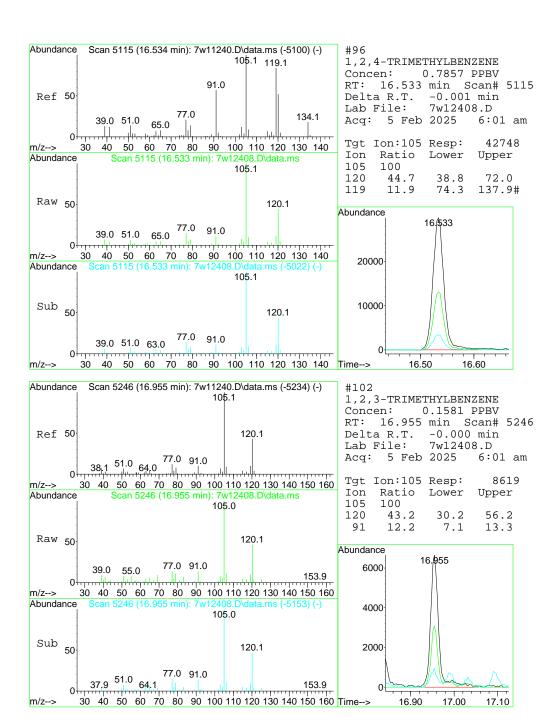












## **Manual Integration Approval Summary**

Sample Number: JE5018-1 Method: TO-15

Lab FileID:7W12408.DAnalyst approved:02/05/25 12:35Kristel ValladolidInjection Time:02/05/25 06:01Supervisor approved:02/05/25 13:37Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Acetonitrile	75-05-8		2.03	Missed peak

## Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\020525\v7w440\

Data File: 7w12408.D

5 Feb 2025 Acq On 6:01 am

Operator : williamc

: MS7W : je5018-1 Inst. Sample

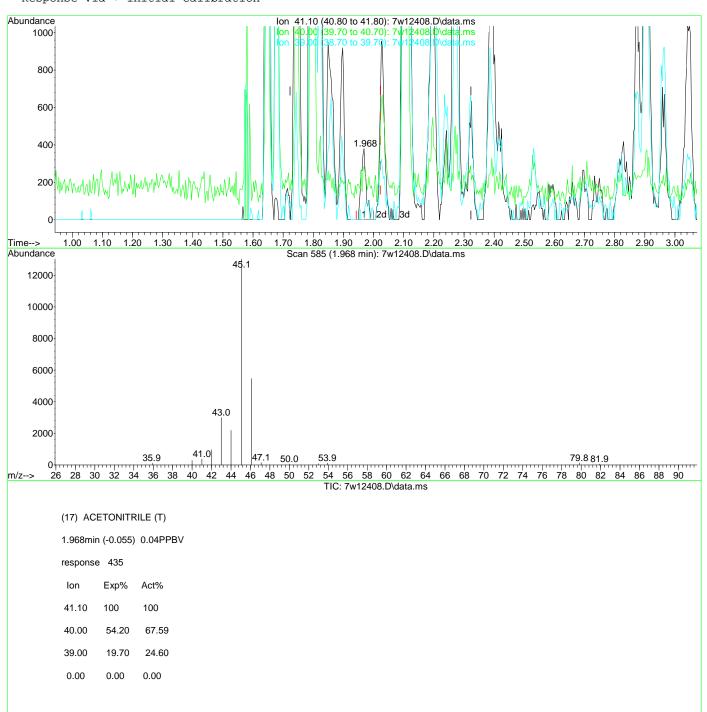
Misc : MS89321, v7w440, 100, , , , 1 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 05 14:48:54 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration



M7W405.M Wed Feb 05 16:46:25 2025

Page: 1

## Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\02-05-2025\V7W440\

Data File: 7w12388.D

: 4 Feb 2025 4:42 pm Acq On

Inst : MS7W

Acq On . 1 100 2010
Operator : williamc
Sample : je5018-2
Misc : MS89321,v7w440,400,,,,1 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 05 12:18:17 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via: Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units De	v ( M	in)
Interr	 nal Standards						
		3.232	128	131484	10.00 PPBV		0.00
52) 1	.4-DIFLUOROBENZENE	4.499	114	689857	10.00 PPBV		0.00
76) (	CHLOROBENZENE-D5	10.035	117	641832	10.00 PPBV		0.00
109) F	BROMOCHLOROMETHANE L,4-DIFLUOROBENZENE CHLOROBENZENE-D5 BROMOCHLOROMETHANE (A)	3.232	128	641832 131479	10.00 PPBV		0.00
System Monitoring Compounds 87) 4-BROMOFLUOROBENZENE 13.383 95 491009 10.54 PPBV							
87) 4	1-BROMOFLUOROBENZENE	13.383	95	491009	10.54 PPBV	0	.00
	Compounds				0-	val	
		1 666	85	12770			ue 94
7) L	DICHLORODIFLUOROMETHANE	1.000	41	207247	0.3895 PPBV 46.0507 PPBV	#	88
10\ c	PROPILENE	1.04/	41	1207	0.4105 PPBV		98
10) (	DICHLORODIFLUOROMETHANE PROPYLENE CHLOROMETHANE N-BUTANE	1.708	5∠ 42	1397 465642	27.3061 PPBV		98 95
10 \ 7	N-BUTANE ACROLEIN	2.068	43	403042	0 207E DDD1		92
10) F	ACKOPETN	2.000	101	16206	0.30/3 PPBV		97
21) I	FRICHLOROFLUOROMETHANE ISOPROPYL ALCOHOL ACETONE PENTANE CARBON DISULFIDE	2.104	TOT	10290	0.3875 PPBV 0.5644 PPBV 1.3571 PPBV		97
22) 1	LSOPROPYL ALCOHOL	2.18/	45	33057	1.35/1 PPBV		93
23) F	ACETONE	2.106	58	621214	81.31/8 PPBV		93
24) E	PENTANE	2.280	42	390970	33.415/ PPBV		96
27) (	ZENTANE CARBON DISULFIDE ETHANOL METHYLENE CHLORIDE PERTIARY BUTYL ALCOHOL HEXANE	2.499	/6	35481	1.249/ PPBV	#	76
28) E	THANOL	1.968	45	28773	4.3151 PPBV		99
31) N	METHYLENE CHLORIDE	2.405	84	10507	1.0096 PPBV		91
35) T	TERTIARY BUTYL ALCOHOL	2.389	59	52468	1.8730 PPBV	#	67
38) F	1EXANE	3.283	5/	299488	81.3178 PPBV 81.3178 PPBV 33.4157 PPBV 1.2497 PPBV 4.3151 PPBV 1.0096 PPBV 1.8730 PPBV 13.8302 PPBV	#	77
41) N	HEXANE  METHYL ETHYL KETONE  A 4-DIMETHYLPENTANE  BENZENE  CYCLOHEXANE  A 3-DIMETHYLPENTANE  FRICHLOROETHENE  A 2 , 2 , 4-TRIMETHYLPENTANE	2.965	72	17013	2.9124 PPBV		70
47) 2	2,4-DIMETHYLPENTANE	3.794	57	9315	0.3891 PPBV		94
51) E	SENZENE	4.1/4	/8	40866	1.163/ PPBV		91
53) (	CYCLOHEXANE	4.383	84	9299	0.5705 PPBV	#	25
54) 2	2,3-DIMETHYLPENTANE	4.634	71	10394	1.2146 PPBV	#	78
55) I	TRICHLOROETHENE	5.068	95	3051	0.1740 PPBV		95
60) 2	2,2,4-TRIMETHYLPENTANE	5.158	57	19088	0.2877 PPBV	#	16
62) E	HEPTANE	5.473	43	73059	3.1339 PPBV		92
64) N	HEPTANE METHYL ISOBUTYL KETONE	6.113	58	73059 2530 224155 4085 12629	0.1818 PPBV		84
66) T	TOLUENE TETRACHLOROETHENE	7.190	91	224155	4.5985 PPBV		100
72) 1	TETRACHLOROETHENE	8.910	164	4085	0.2212 PPBV		97
/5) C	CTANE	9.051	43	12629	0.3823 PPBV		98
	ETHYLBENZENE	10.990 11.370	91	46556 127479	0.7364 PPBV		97
	1, P-XYLENE	11.370	91	127479	2.5724 PPBV		61
,	D-XYLENE	12.350	91	44499 4606	0.8941 PPBV		94
83) N	IONANE	13.466	43	4606	0.1347 PPBV		89
91) N	N-PROPYLBENZENE	15.193	120	2306	0.1197 PPBV		80
92) 4	1-ETHYLTOLUENE	15.640	105	14002	0.2026 PPBV		99
93) 1	L,3,5-TRIMETHYLBENZENE	15.907	105	8472	0.1456 PPBV		96
96) 1	L, 2, 4-TRIMETHYLBENZENE	16.534	105	30877	0.5262 PPBV		36
102) 1	NOMANE 1-PROPYLBENZENE 1-ETHYLTOLUENE 1,3,5-TRIMETHYLBENZENE 1,2,4-TRIMETHYLBENZENE L,2,3-TRIMETHYLBENZENE	16.958	105	6475	0.1102 PPBV	#	97

<sup>(#) =</sup> qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\02-05-2025\V7W440\

Data File: 7w12388.D

4 Feb 2025 4:42 pm Acq On

: williamc Operator

: MS7W : je5018-2 Inst Sample

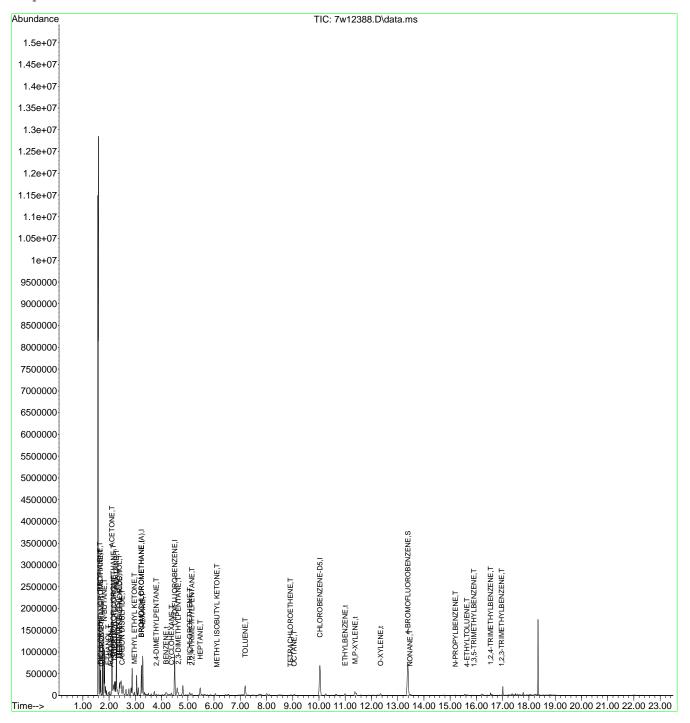
Misc : MS89321, v7w440, 400, , , , 1 ALS Vial Sample Multiplier: 1

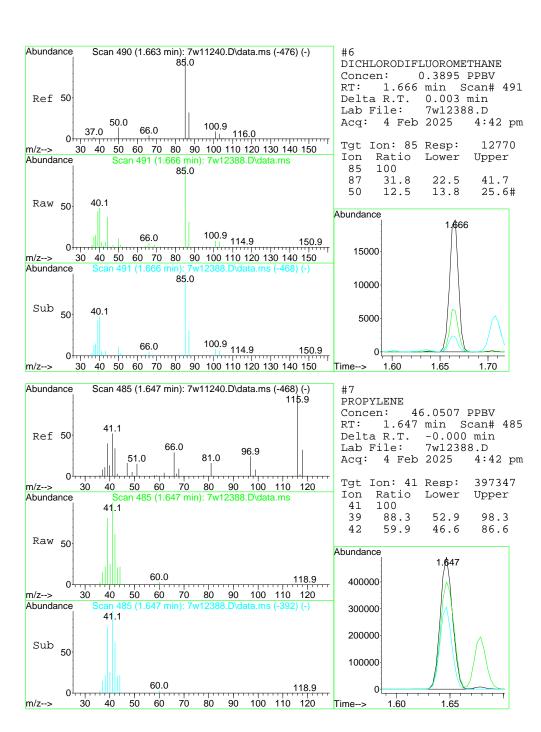
Quant Time: Feb 05 12:18:17 2025

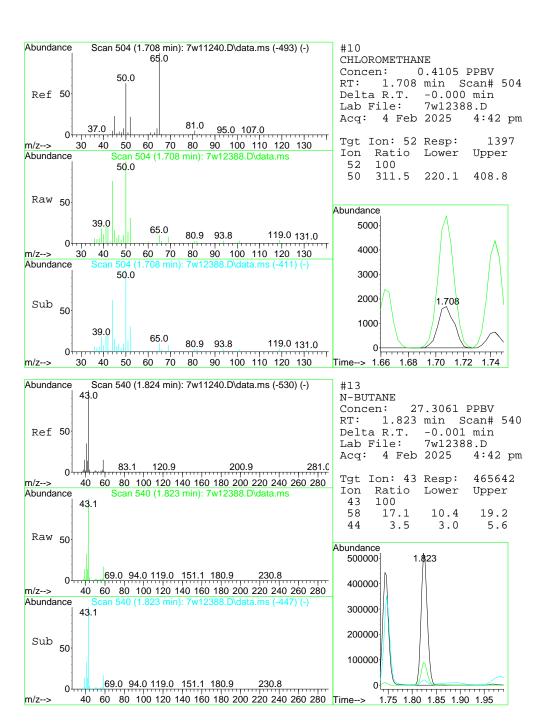
Quant Method : C:\msdchem\1\methods\M7W405.M

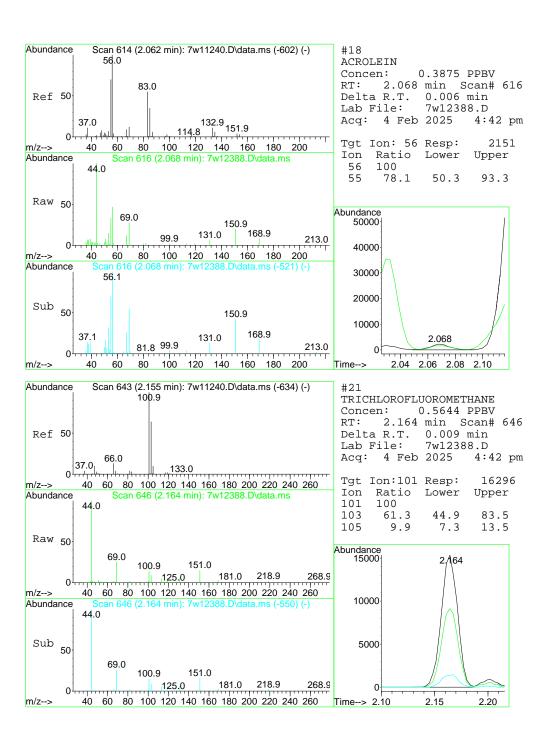
Quant Title : T015 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

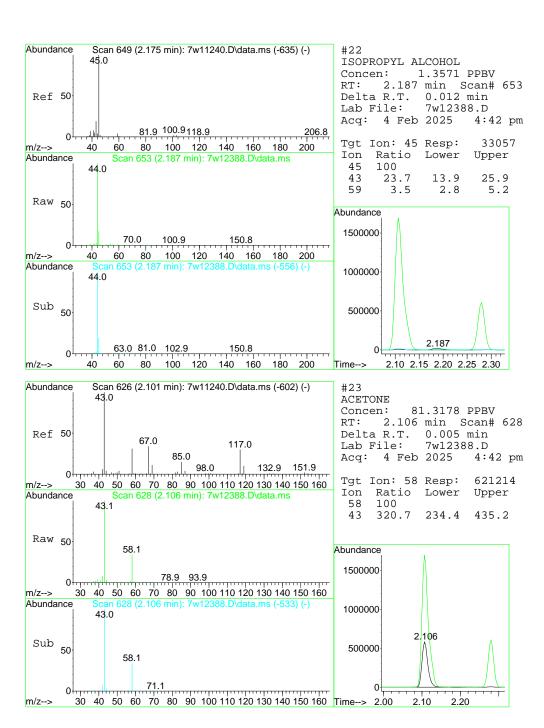
Response via : Initial Calibration

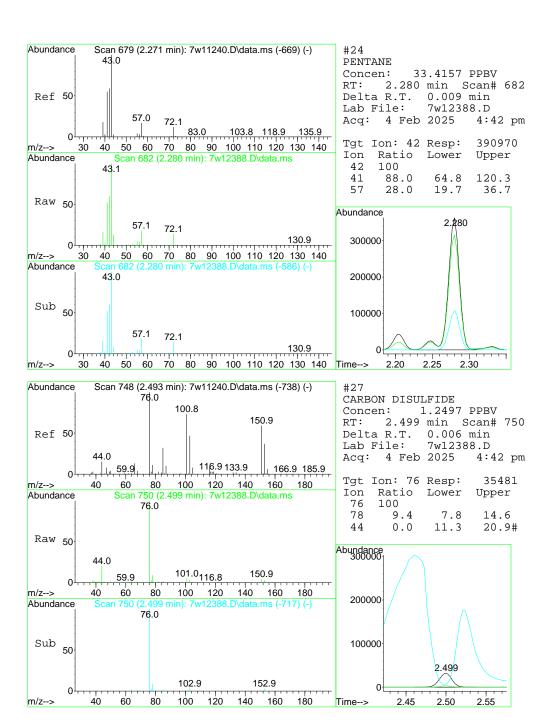


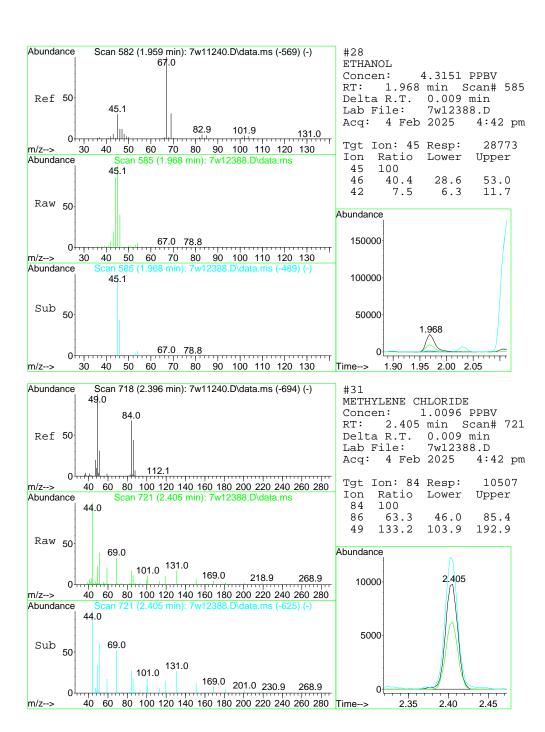


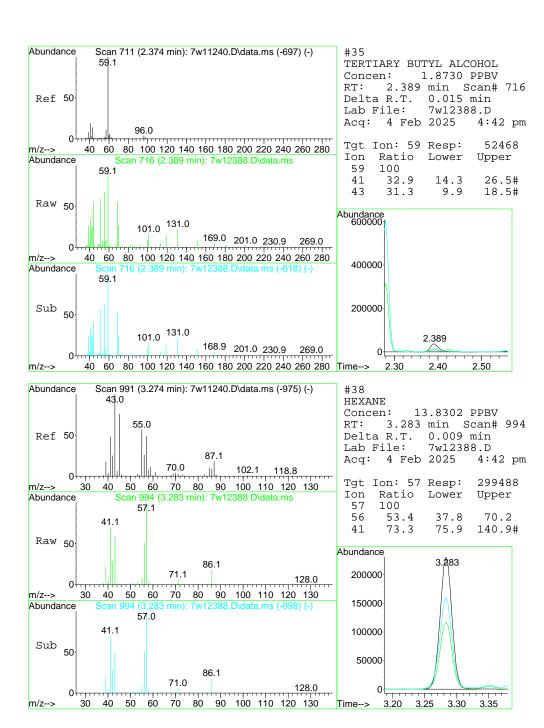


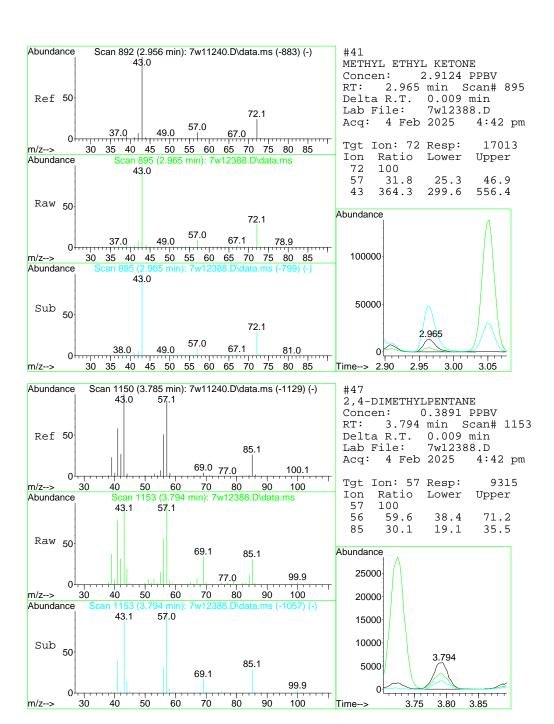


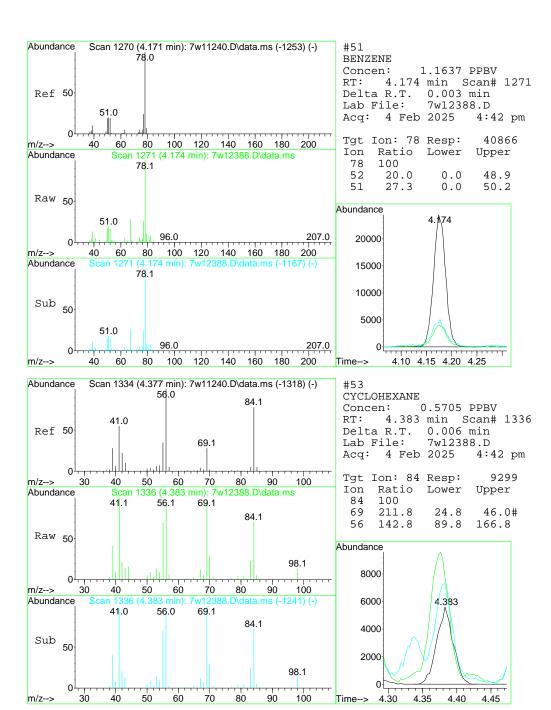


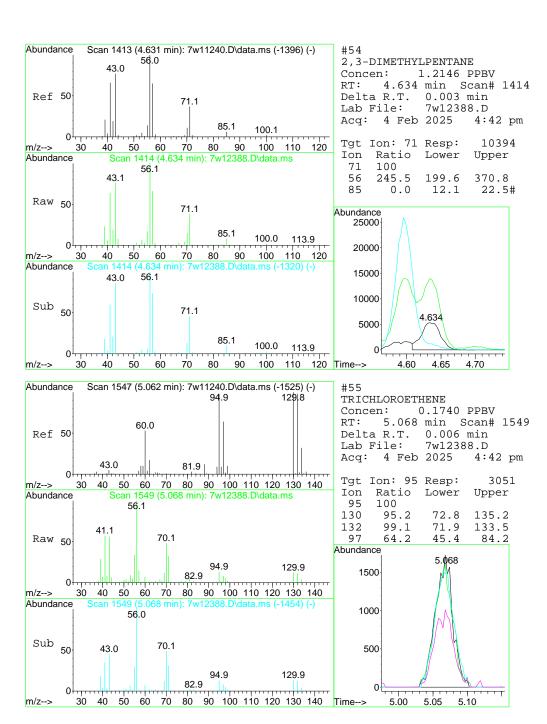


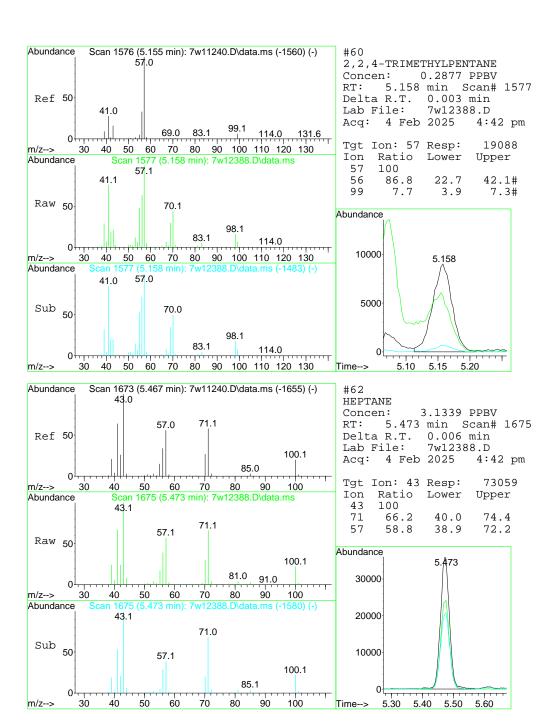


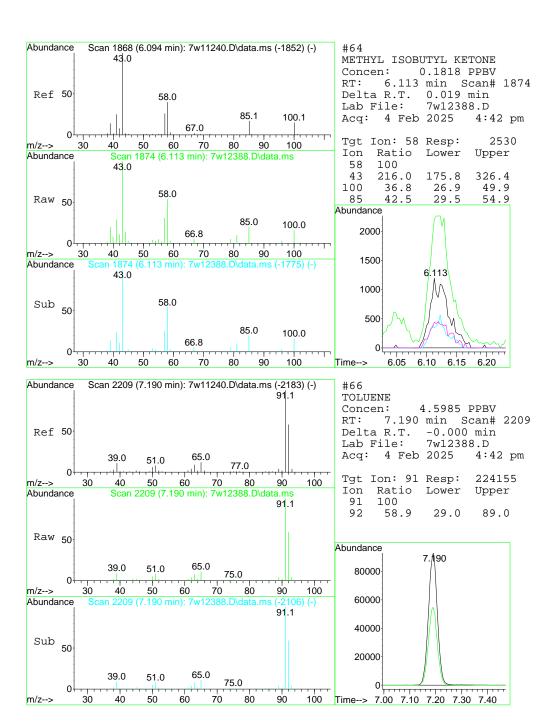


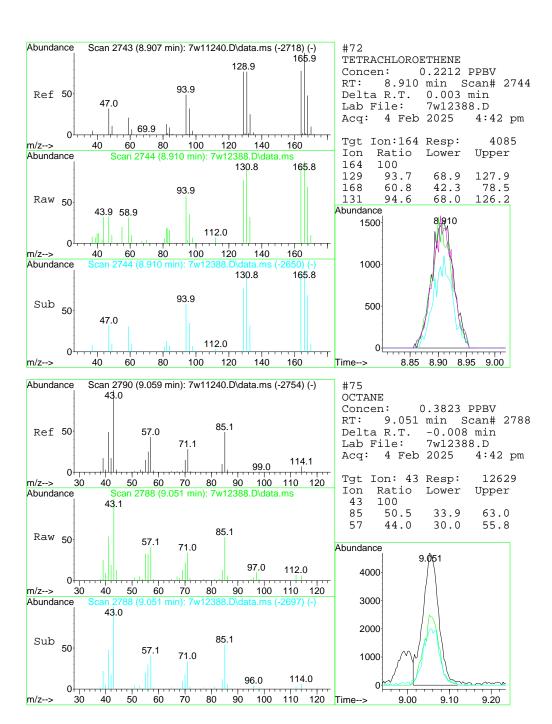


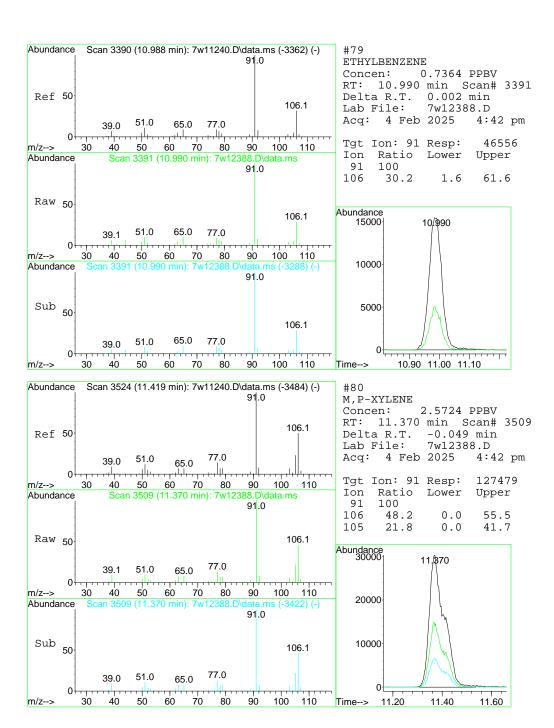


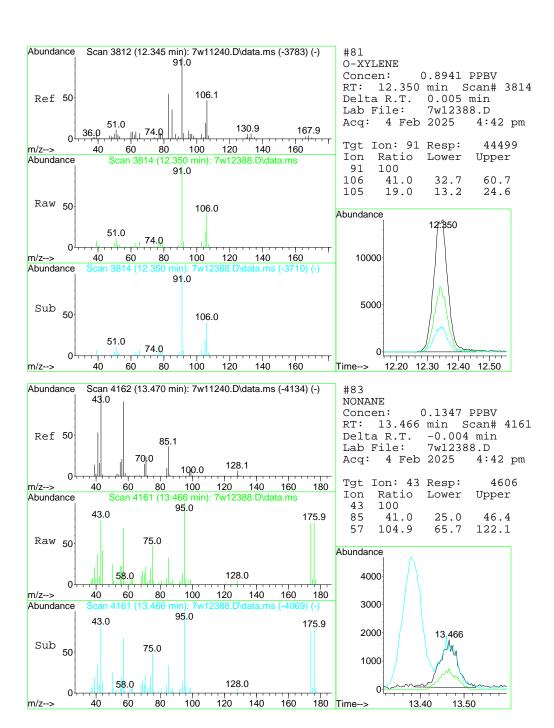


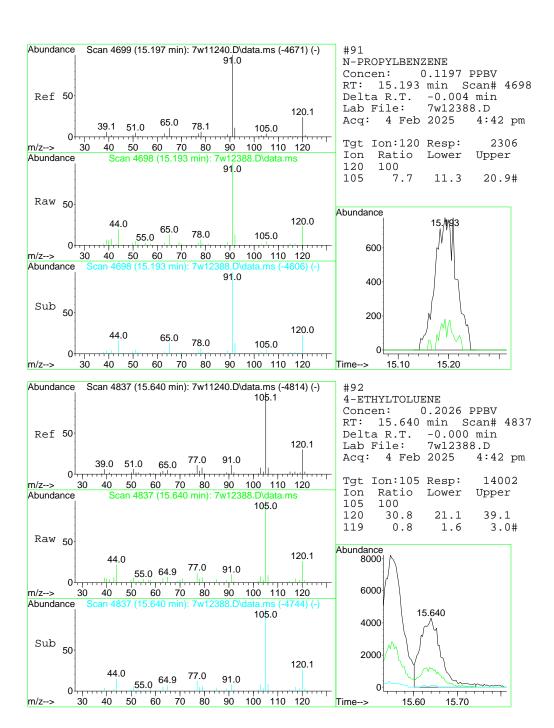


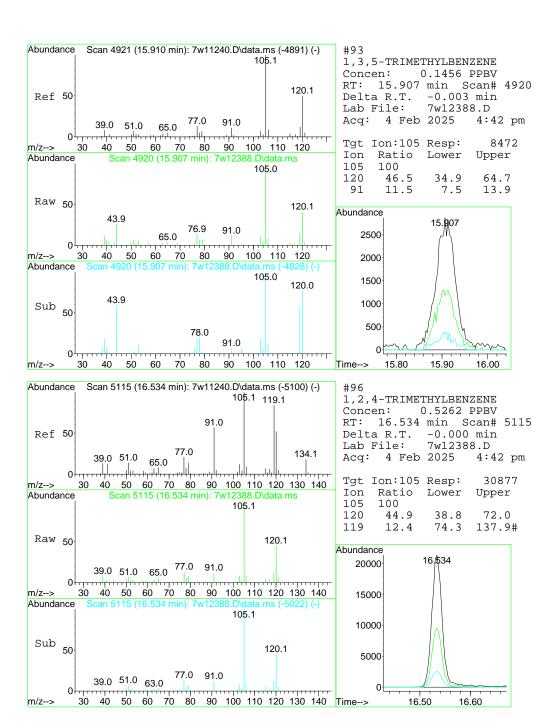


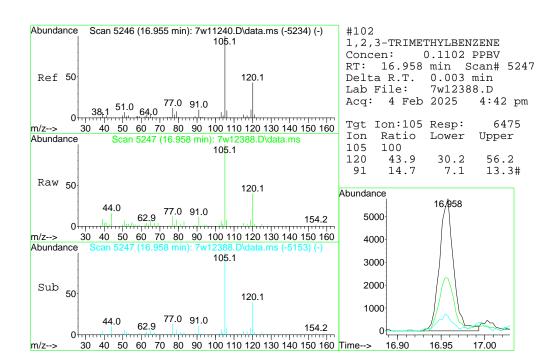












Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\020525\v7w440\

Data File : 7w12409.D

: 5 Feb 2025 6:40 am Acq On

Inst : MS7W

Acq On : 5 Feb 2025 6.40 am
Operator : williamc
Sample : je5018-2
Misc : MS89321, v7w440,100,,,,1 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 05 17:00:04 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units De	v(Min)
Internal Standards 1) BROMOCHLOROMETHANE 52) 1,4-DIFLUOROBENZENE 76) CHLOROBENZENE-D5 109) BROMOCHLOROMETHANE (A)	4.492 10.032	114 117	124920 644531	10.00 PPBV	0.00
System Monitoring Compounds 87) 4-BROMOFLUOROBENZENE	13.379	95	459882	10.51 PPBV	0.00
Target Compounds 6) DICHLORODIFLUOROMETHANE 7) PROPYLENE 10) CHLOROMETHANE 13) N-BUTANE 17) ACETONITRILE 18) ACROLEIN 21) TRICHLOROFLUOROMETHANE 22) ISOPROPYL ALCOHOL 23) ACETONE 24) PENTANE 27) CARBON DISULFIDE 28) ETHANOL 31) METHYLENE CHLORIDE 35) TERTIARY BUTYL ALCOHOL 38) HEXANE 41) METHYL ETHYL KETONE 44) ETHYL ACETATE 47) 2,4-DIMETHYLPENTANE 51) BENZENE 53) CYCLOHEXANE 54) 2,3-DIMETHYLPENTANE 55) TRICHLOROETHENE 62) HEPTANE	1.669 1.647 1.711 1.823 2.029 2.068 2.158 2.200 2.103 2.270 2.492 1.971 2.396 2.415 3.277 2.975 3.302 3.788 4.174 4.376 4.627 5.061 5.473 7.183	41 52 43 41 561 45 58 42 76 45 57 78 47 91 164 491	143840 477 169577 2529 720 5037 8589 195377 118247 10782 8397 4198 18257 83986 4656	0.1284 PPBV 17.5464 PPBV 0.1475 PPBV 0.1475 PPBV 10.4668 PPBV 0.2519 PPBV 0.1365 PPBV 0.1365 PPBV 0.3711 PPBV 26.9190 PPBV 10.6375 PPBV 0.3997 PPBV 1.3255 PPBV 0.4246 PPBV 0.6860 PPBV 4.0822 PPBV 0.8389 PPBV 0.2392 PPBV 0.1174 PPBV 0.3495 PPBV 0.1805 PPBV 0.1805 PPBV 0.1805 PPBV 0.4787 PPBV 0.0519 PPBV 0.9236 PPBV 1.3493 PPBV 0.1683 PPBV 0.1988 PPBV	# 99 # 35 89 94 98 99 74 82 96 # 98 90 # 79 84 # 97 28 98 99 99 98 99 99 99 99 99 9
81) O-XYLENE 96) 1,2,4-TRIMETHYLBENZENE	12.341 16.537	91	11851		97

<sup>(#)</sup> = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\020525\v7w440\

Data File: 7w12409.D

5 Feb 2025 Acq On 6:40 am

Operator : williamc

: je5018-2 : MS7W  ${\tt Sample}$ Inst

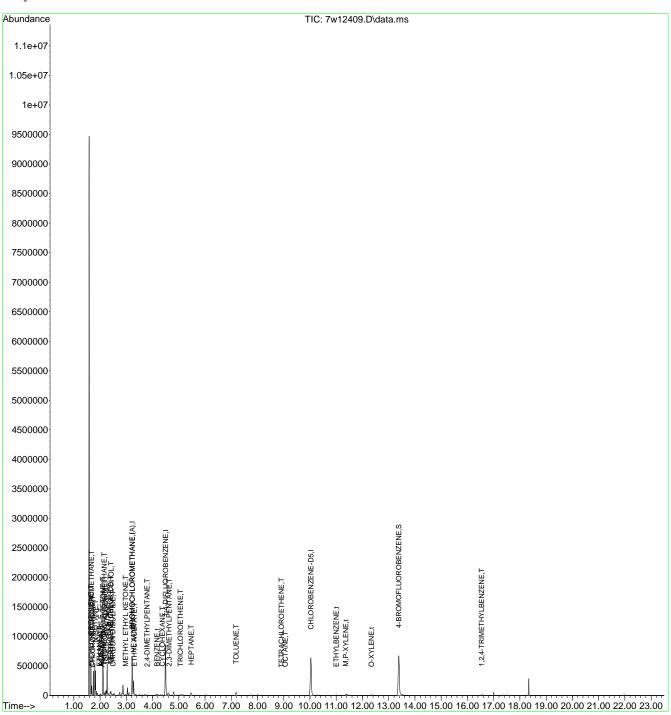
Misc : MS89321, v7w440, 100, , , , 1 Sample Multiplier: 1 ALS Vial : 5

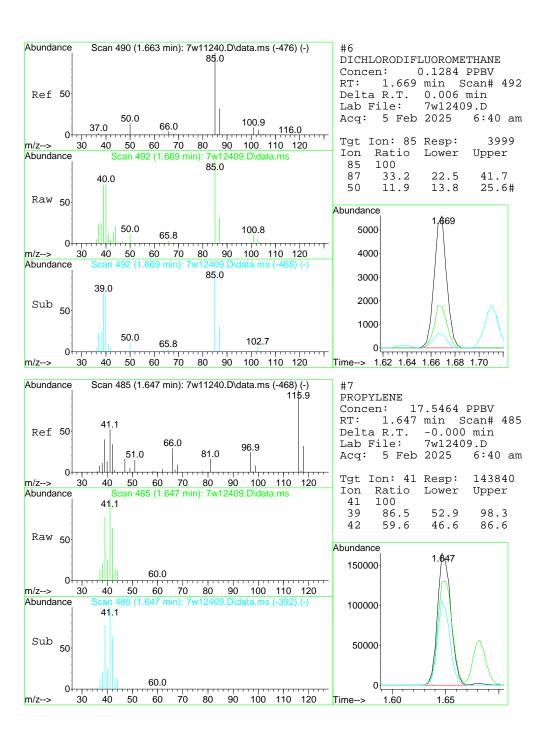
Quant Time: Feb 05 17:00:04 2025

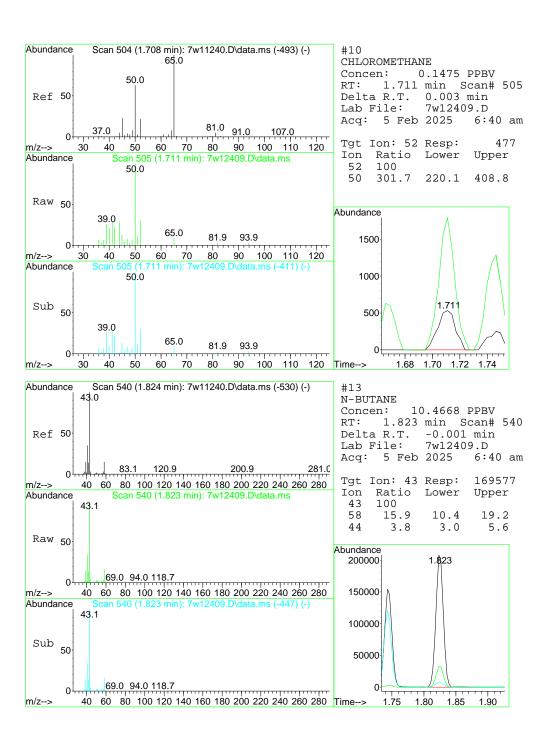
Quant Method : C:\msdchem\1\methods\M7W405.M

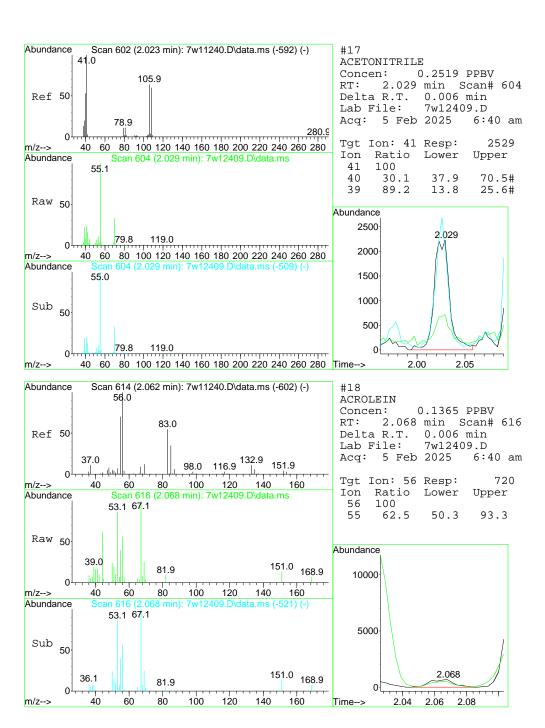
Quant Title : T015 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

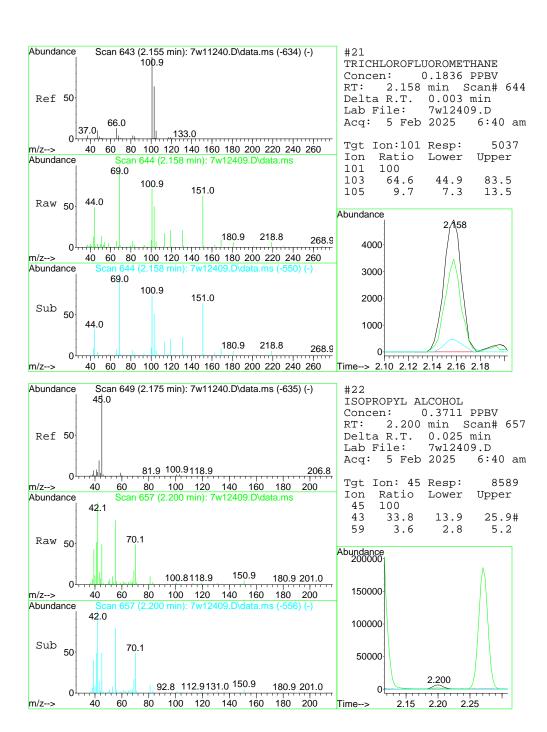
Response via : Initial Calibration

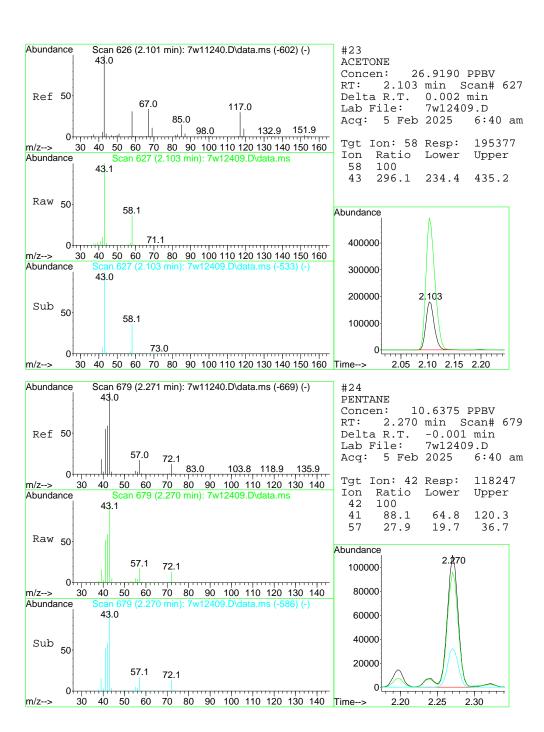


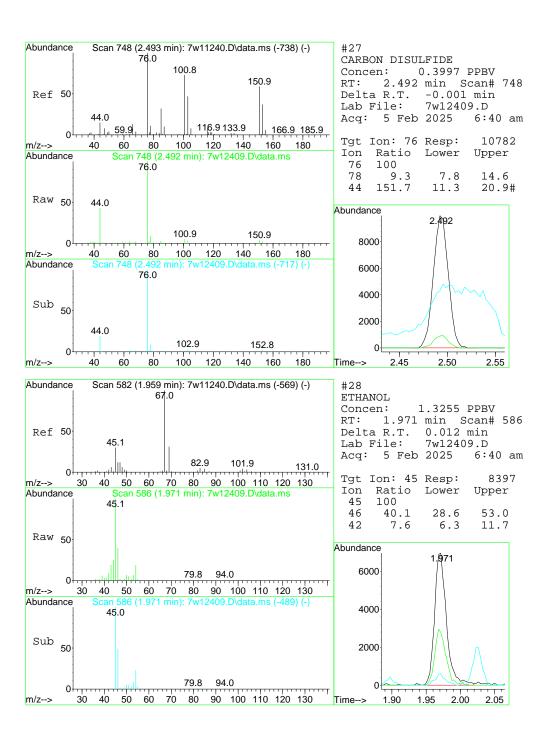


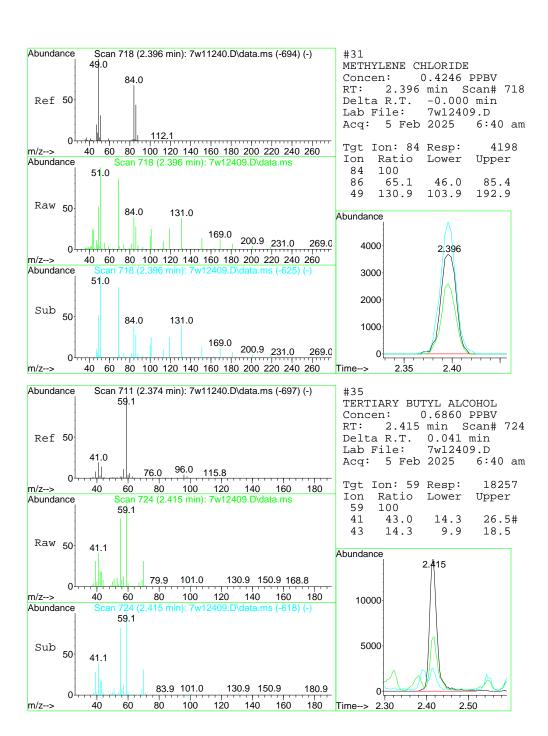


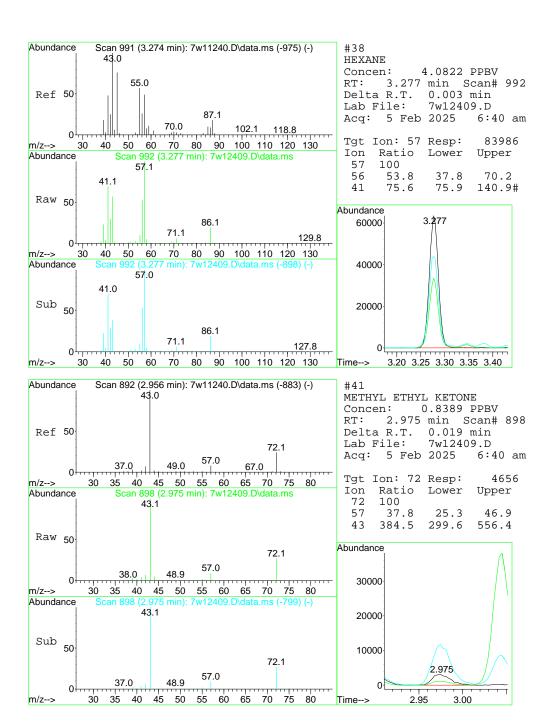


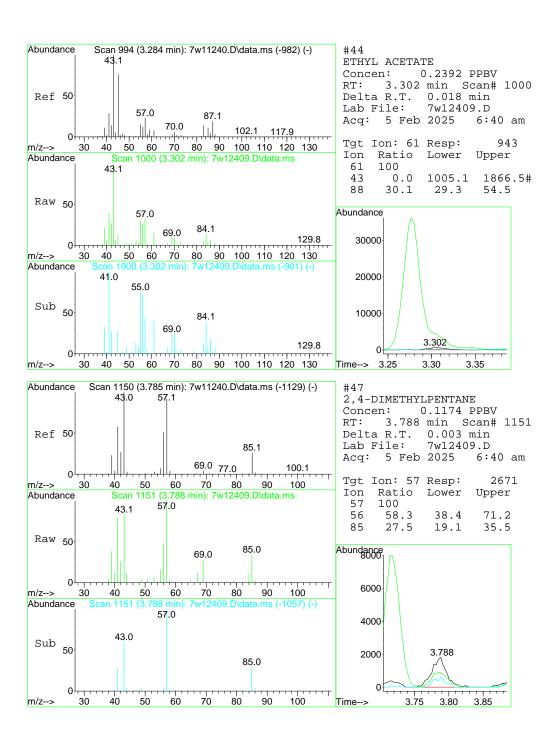


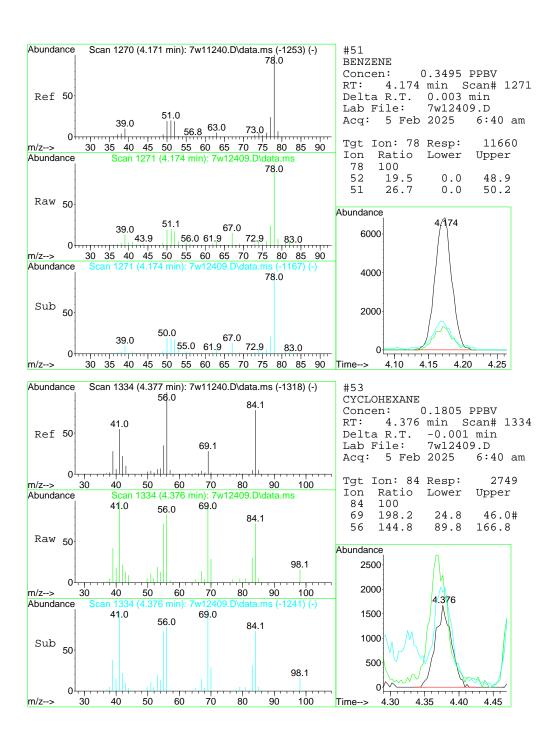


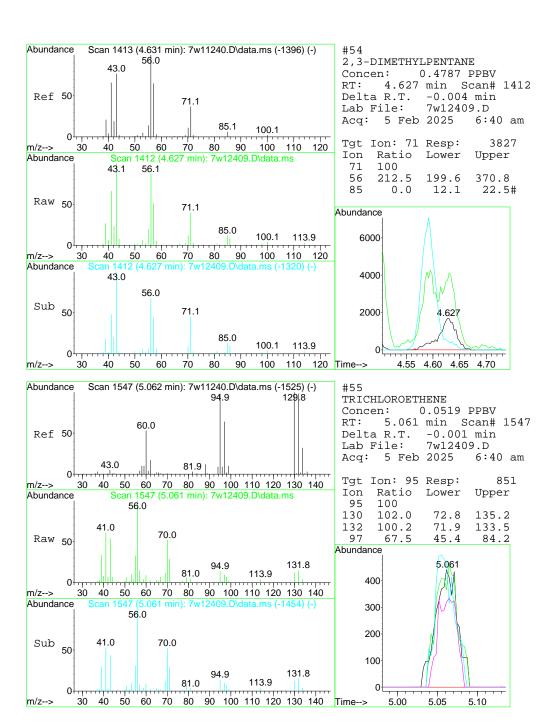


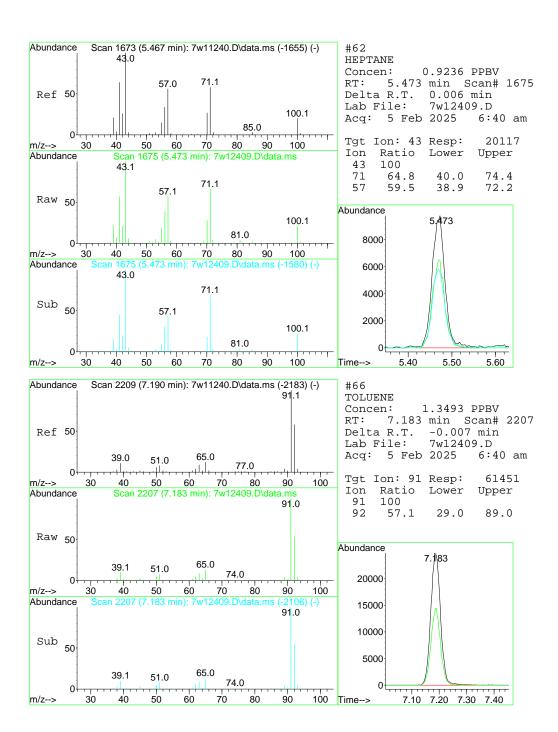


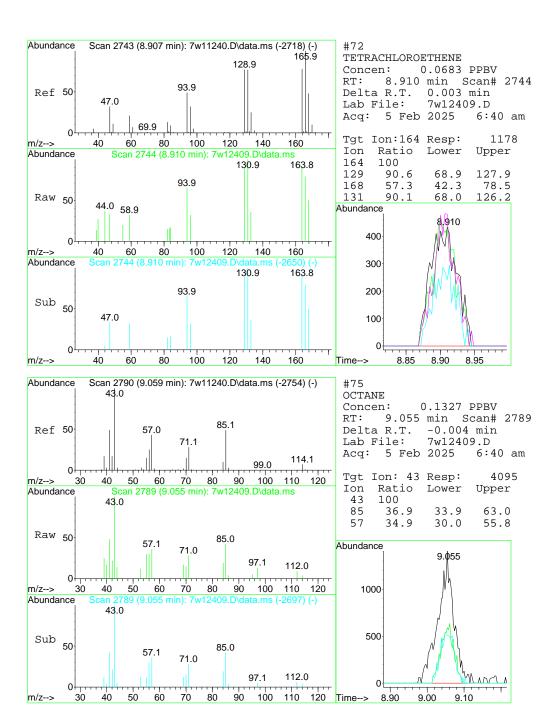


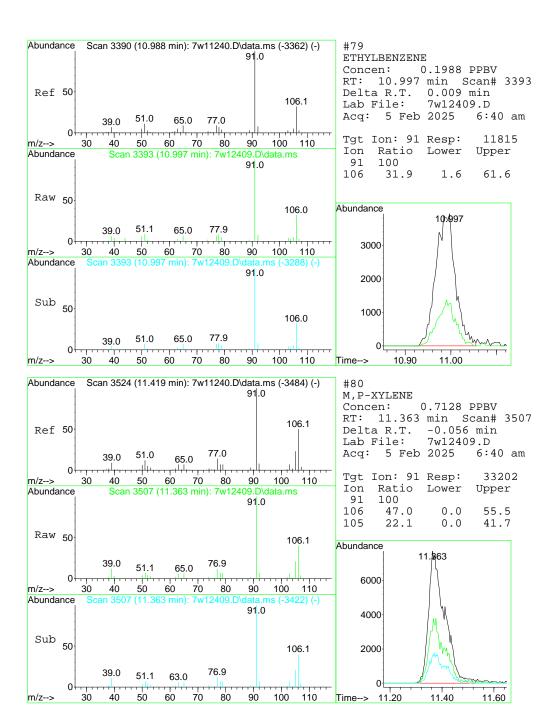


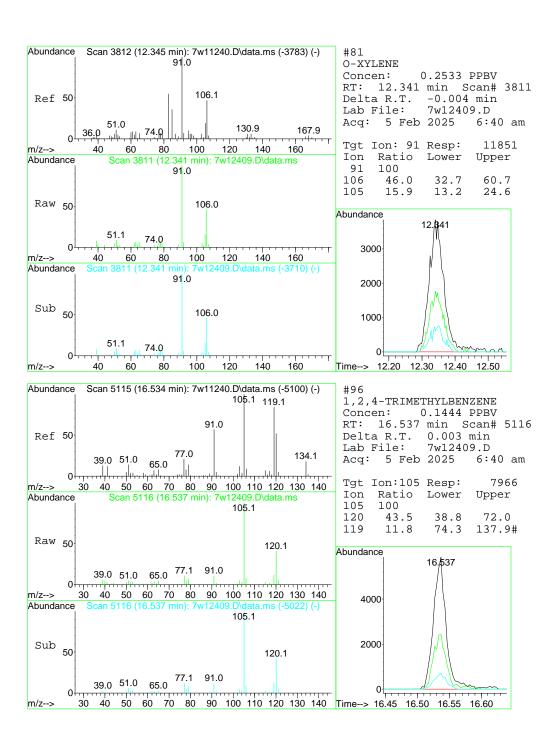












Data Path: X:\Dayton VOA GCMS\michaellab\02-05-2025\V7W440\

Data File: 7w12389.D

Compound

Inst : MS7W

Acq On : 4 Feb 2025 5:27 pm
Operator : williamc
Sample : je5018-3
Misc : MS89321,v7w440,400,,,,1 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 05 12:25:50 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration

R.T. QIon Response Conc Units Dev(Min) Internal Standards 1) BROMOCHLOROMETHANE 3.225 128 130932 52) 1,4-DIFLUOROBENZENE 4.492 114 676418 76) CHLOROBENZENE-D5 10.029 117 614444 10.00 PPBV 0.00 10.00 PPBV 0.00 10.00 PPBV 0.00 109) BROMOCHLOROMETHANE (A) 3.225 128 130932 10.00 PPBV 0.00 System Monitoring Compounds 13.382 95 469246 10.53 PPBV 0.00 87) 4-BROMOFLUOROBENZENE Target Compounds Ovalue Qva.

1.624 65 3298 0.5289 PPBV

1.666 85 12694 0.3888 PPBV #

1.708 52 848 0.2502 PPBV

1.823 43 25122 1.4794 PPBV #

2.158 101 7119 0.2476 PPBV

2.184 45 3644 0.1502 PPBV # 3) FREON 152A 6) DICHLORODIFLUOROMETHANE 10) CHLOROMETHANE 91 1.4794 PPBV # 0.2476 PPBV 13) N-BUTANE 21) TRICHLOROFLUOROMETHANE 22) ISOPROPYL ALCOHOL 68 2.100 58 109763 14.4287 PPBV 2.270 42 7539 0.6471 PPBV 1.965 45 4628 0.6970 PPBV 23) ACETONE 76 24) PENTANE
28) ETHANOL
31) METHYLENE CHLORIDE
32,396
34,4750
35) TERTIARY BUTYL ALCOHOL
23,93
39, VINYL ACETATE
32,806
32,80
37,700
37,700
37,700
37,700
38) HEXANE
39) VINYL ACETATE
20,856
30,000
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40,000 24) PENTANE 94 90 71 78 78 50 95 66) TOLUENE
70) 2-HEXANONE
72) TETRACHLOROETHENE
75) OCTANE
79) ETHYLBENZENE
8.904 164 2724
9.055 43 6044 0.1866 PPBV
79) ETHYLBENZENE
10.984 91 50204 0.8296 PPBV
80) M,P-XYLENE
11.370 91 189484 3.9941 PPBV
81) O-XYLENE
12.344 91 66105 1.3874 PPBV
83) NONANE
13.469 43 8656 0.2645 PPBV
91) N-PROPYLBENZENE
15.193 120 5871 0.3182 PPBV
92) 4-ETHYLTOLUENE
15.636 105 45555 0.6884 PPBV
93) 1,3,5-TRIMETHYLBENZENE
15.906 105 24608 0.4419 PPBV
96) 1,2,4-TRIMETHYLBENZENE
16.533 105 121077 2.1554 PPBV ‡
102) 1,2,3-TRIMETHYLBENZENE
16.955 105 25710 0.4569 PPBV ‡
104) N-BUTYLBENZENE
17.386 134 4866 0.2705 PPBV ‡ 99 81 97 98 61

(#) = qualifier out of range (m) = manual integration (+) = signals summed

96 98

35

97

37

2.1554 PPBV #

0.4569 PPBV

0.2705 PPBV # 0.1035 PPBV #

104) N-BUTYLBENZENE

108) NAPHTHALENE

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\02-05-2025\V7W440\

Data File: 7w12389.D

4 Feb 2025 Acq On

5:27 pm Operator : williamc

: je5018-3 : MS7W Inst Sample

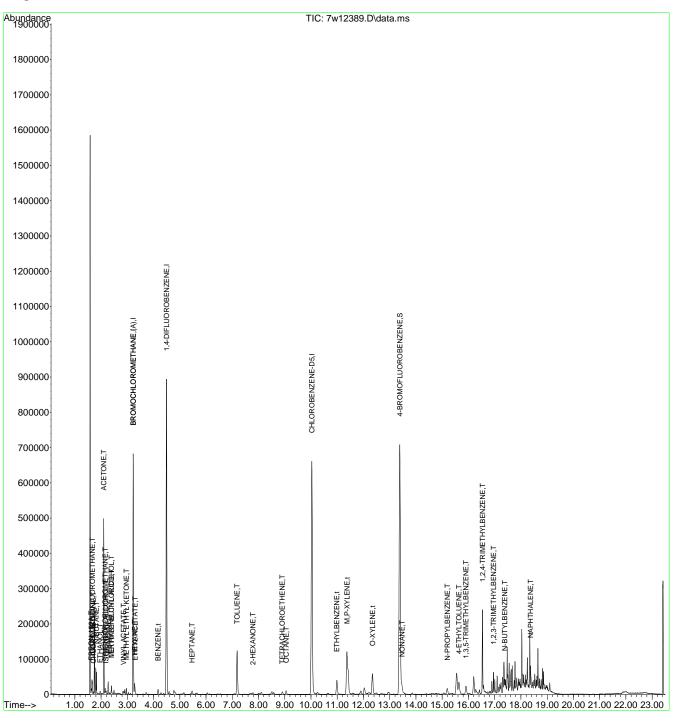
Misc : MS89321, v7w440, 400, , , , 1 Sample Multiplier: 1 ALS Vial : 6

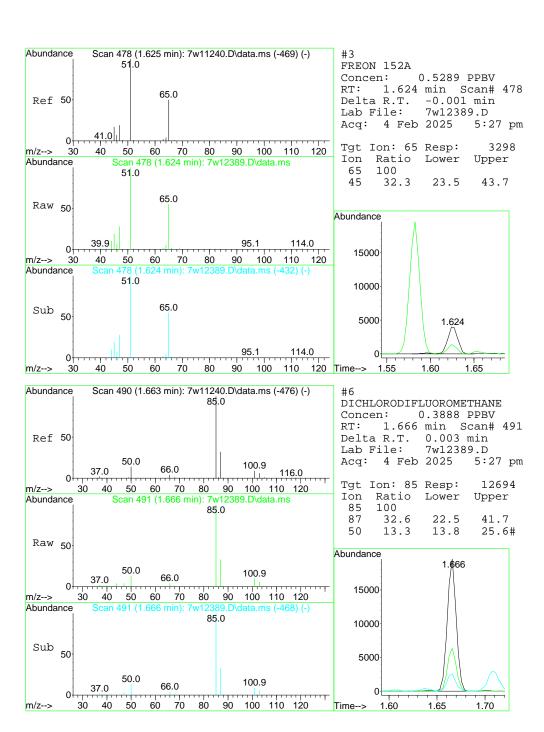
Quant Time: Feb 05 12:25:50 2025

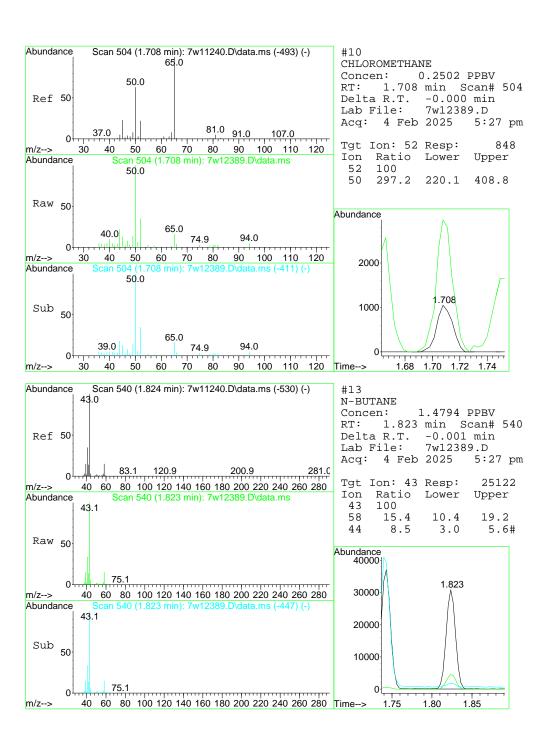
Quant Method: C:\msdchem\1\methods\M7W405.M

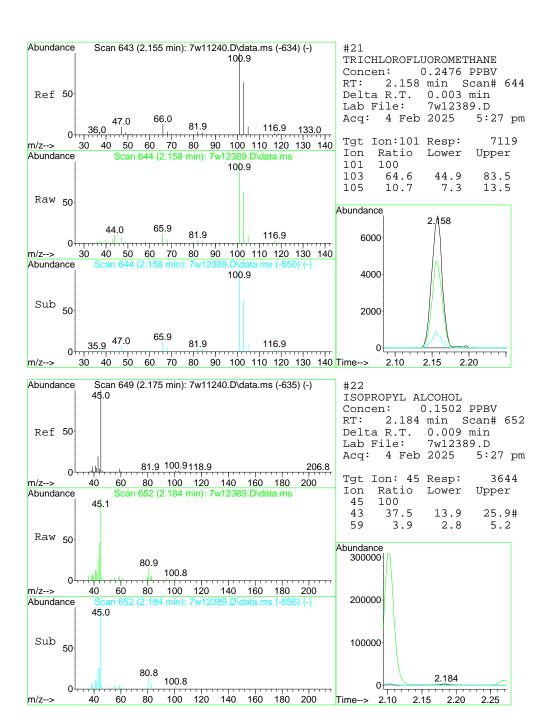
Quant Title : T015 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

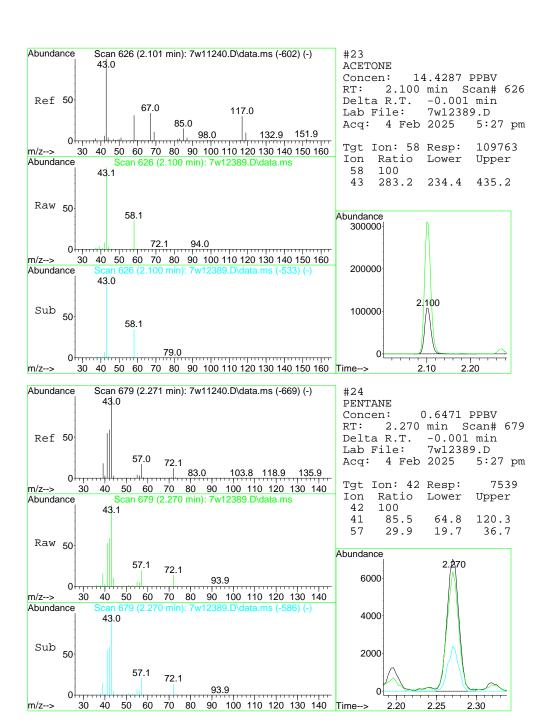
Response via : Initial Calibration

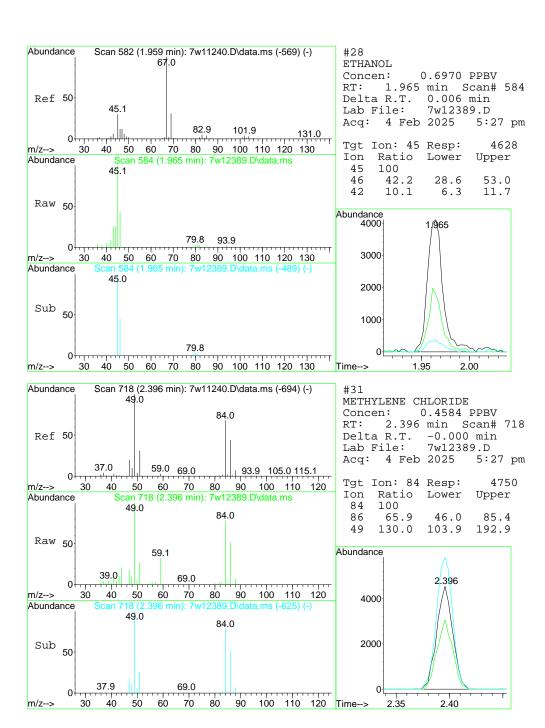


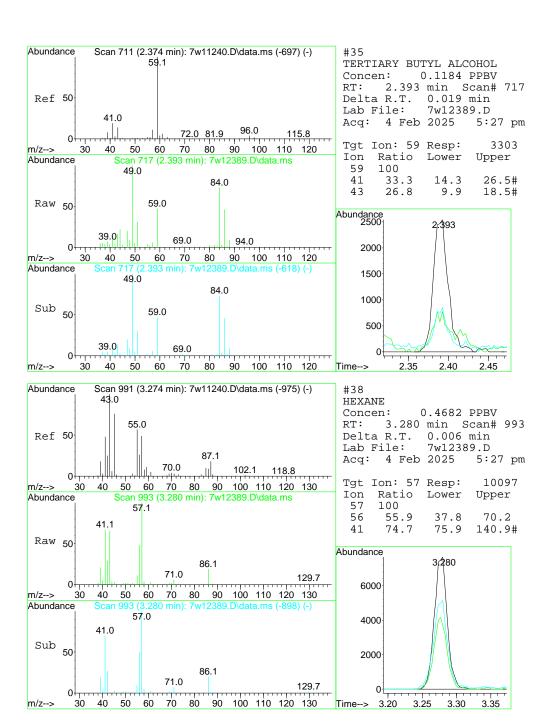


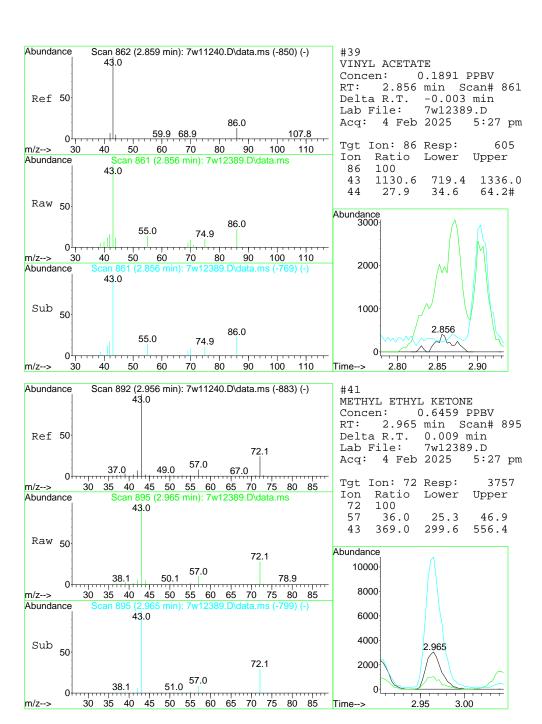


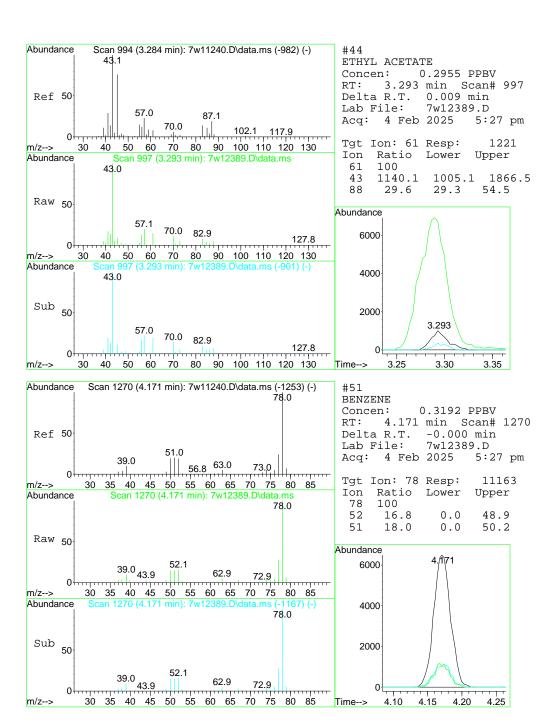


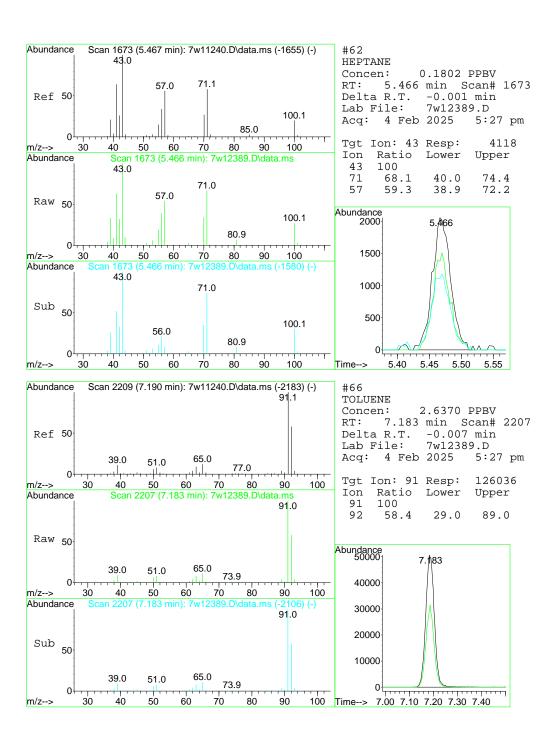


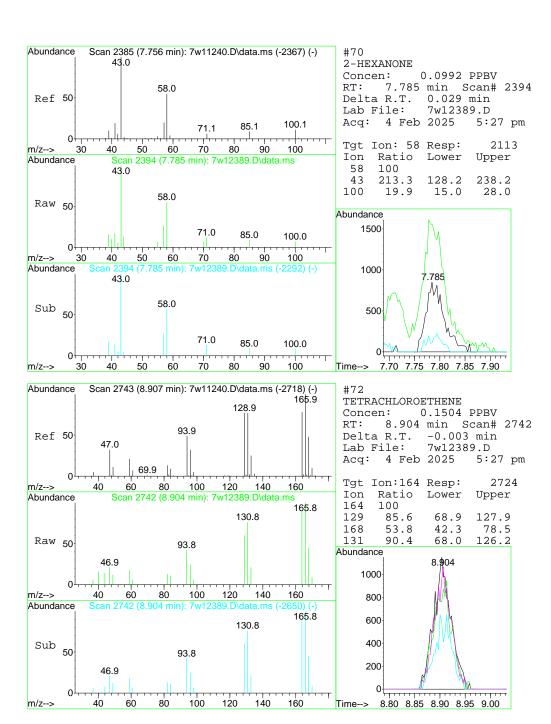


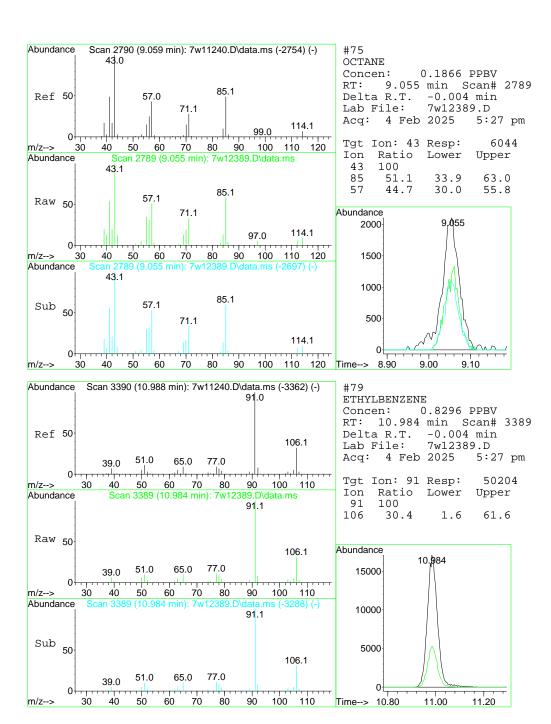


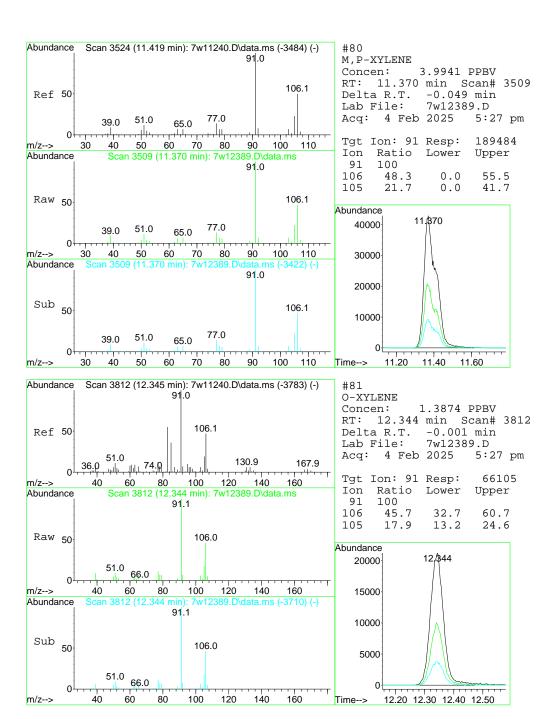


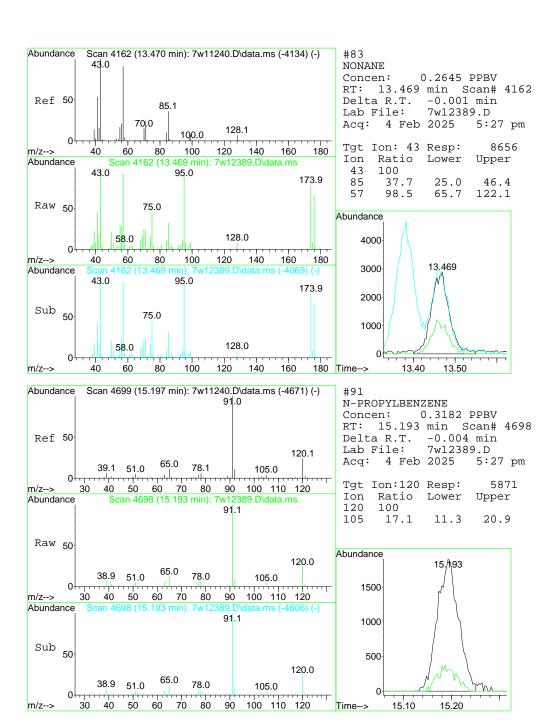


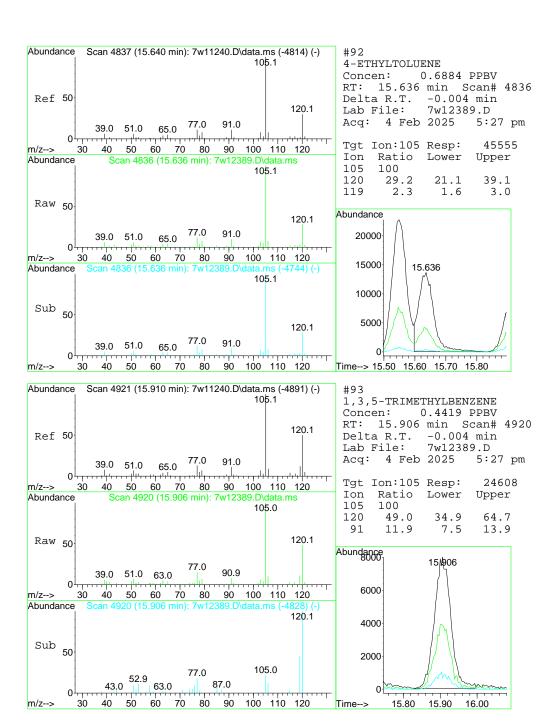


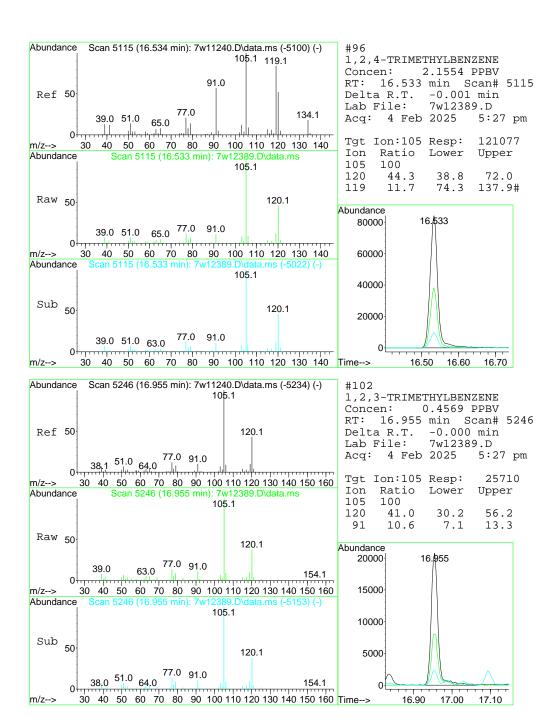


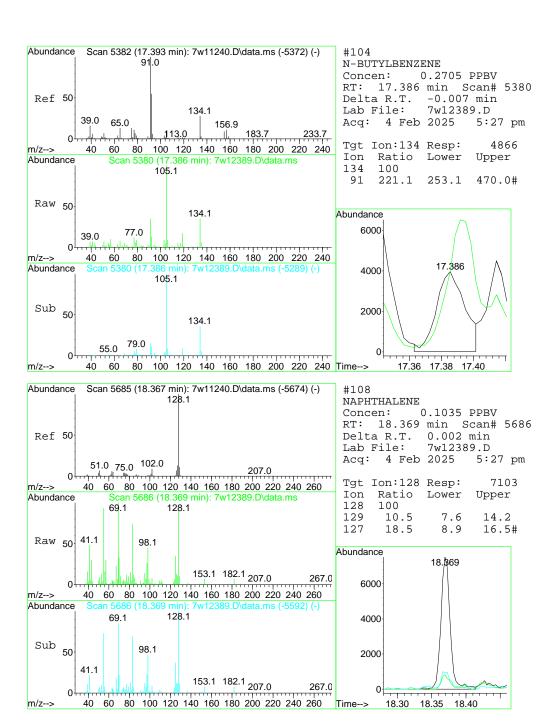












Data Path : X:\Dayton VOA GCMS\luckyc\04 Feb 2025\v5w2168\

Data File : 5w56604.D

: 4 Feb 2025 12:57 am Acq On

Inst : GCMS5W

Acq On : 4 FED 2020
Operator : williamc
Sample : je5018-4
Misc : MS89321,V5W2168,500,,,,1 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 05 03:06:04 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units De	v(Min)
Internal Standards  1) BROMOCHLOROMETHANE 51) 1,4-DIFLUOROBENZENE 70) CHLOROBENZENE-D5 109) BROMOCHLOROMETHANE (A)	9.810 15.328	114 82	320498 1483042 697297 320498	10.00 PPBV 10.00 PPBV	-0.01 -0.01
System Monitoring Compounds 85) 4-BROMOFLUOROBENZENE Spiked Amount 10.000					
23) ACETONE 24) PENTANE	3.558 3.631 3.748 4.041 4.910 5.038 4.812 5.204 4.445 5.565 7.681 7.112 7.755 9.541 9.376 10.667 12.955 16.203 16.907	67 85 52 43 101 45 58 42 45 84 57 72 61 117 78 57 2106 106		0.9453 PPBV 0.4217 PPBV 0.6767 PPBV 0.5322 PPBV 1.6976 PPBV 0.3849 PPBV 1.1012 PPBV 3.3895 PPBV 0.7029 PPBV 2.5894 PPBV 0.3911 PPBV 0.3916 PPBV 0.2237 PPBV 1.7588 PPBV 0.0986 PPBV 0.3355 PPBV 0.1086 PPBV 0.3544 PPBV 0.3544 PPBV 0.2669 PPBV 0.2669 PPBV	90 99 94 99 97 94 58 95 97 98 61 85 99 81 98 86 99
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	17118	0.1332 PPBV	# 40

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path: X:\Dayton VOA GCMS\luckyc\04 Feb 2025\v5w2168\

Data File: 5w56604.D

4 Feb 2025 12:57 am Acq On

Operator : williamc

: je5018-4 : GCMS5W Inst Sample

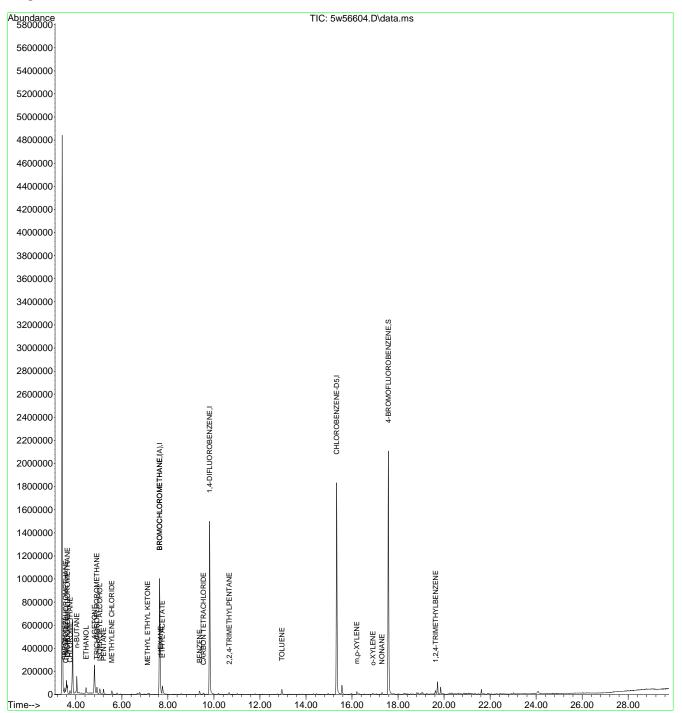
Misc : MS89321,V5W2168,500,,,,1 Sample Multiplier: 1 ALS Vial : 1

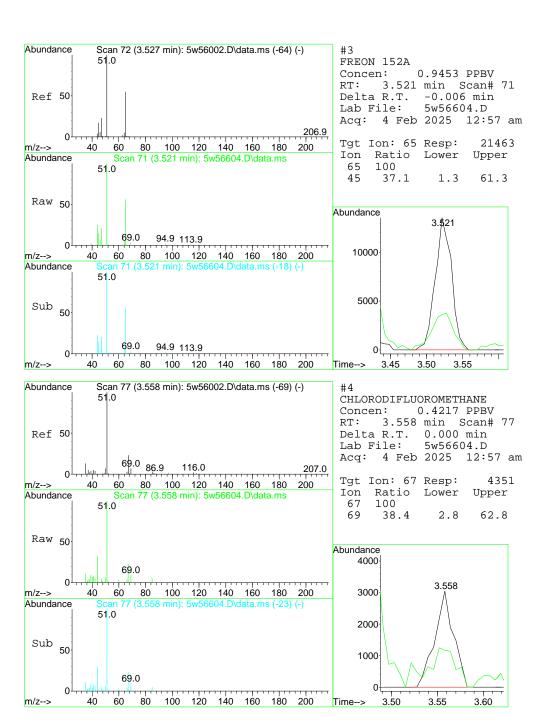
Quant Time: Feb 05 03:06:04 2025

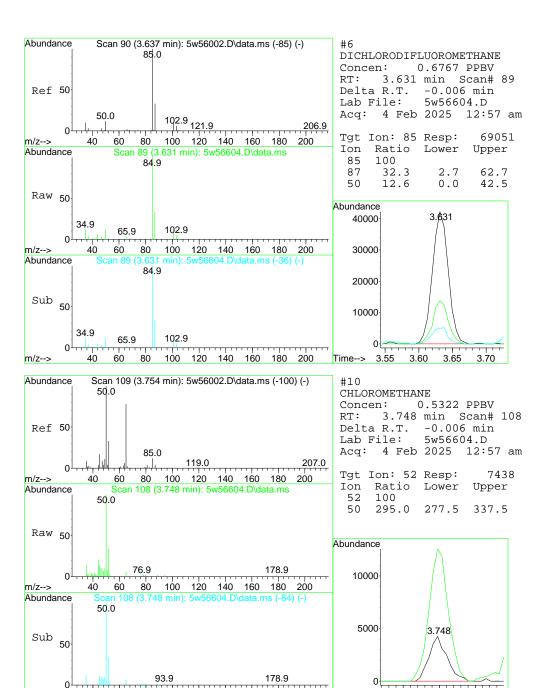
Quant Method: C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025

Response via : Initial Calibration







m/z-->

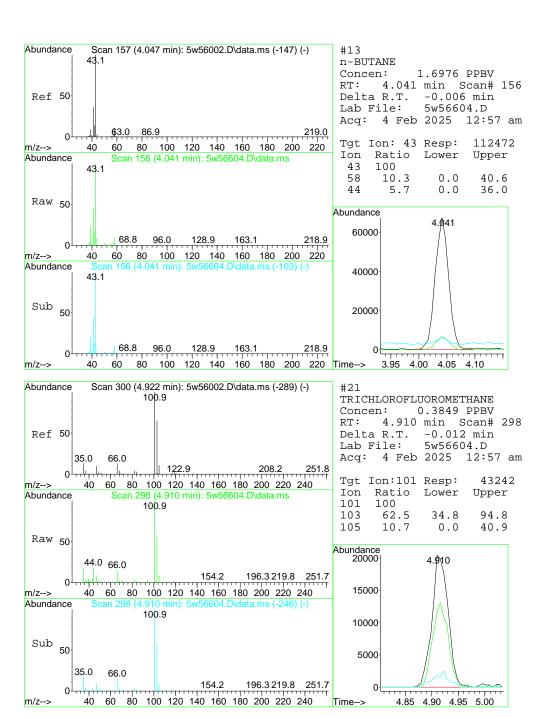
140 160 180

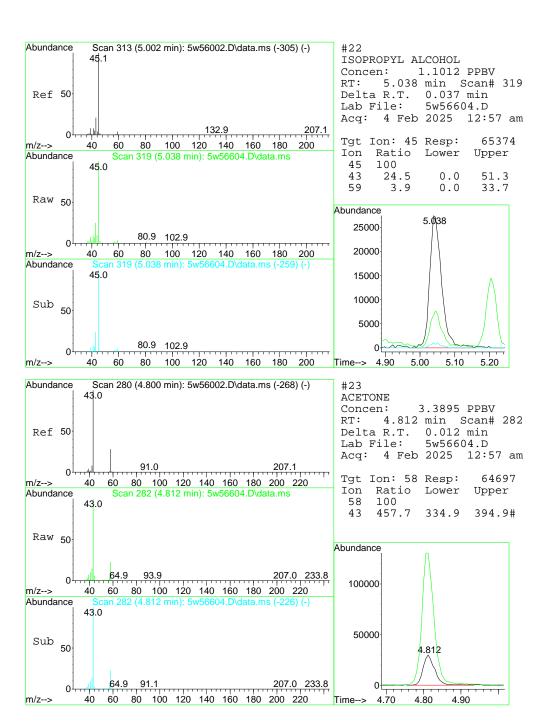
3.70

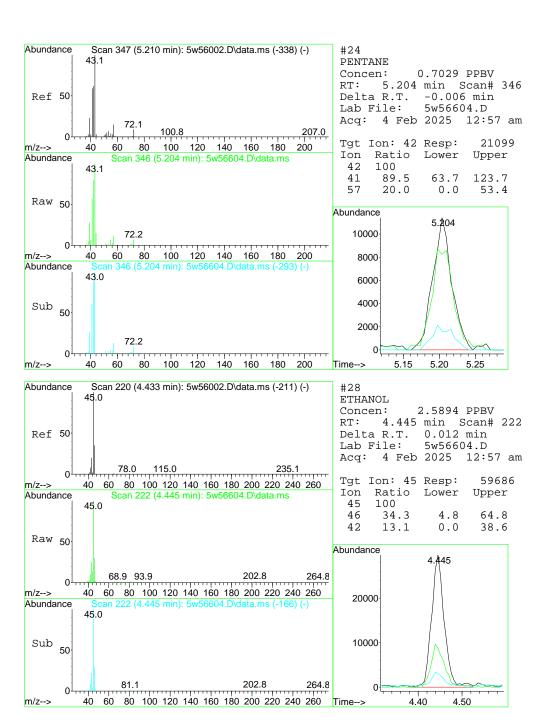
Time-->

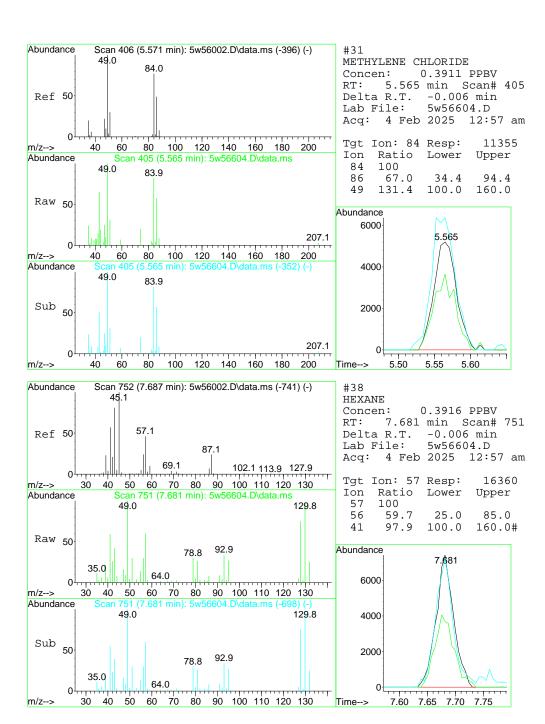
3.80

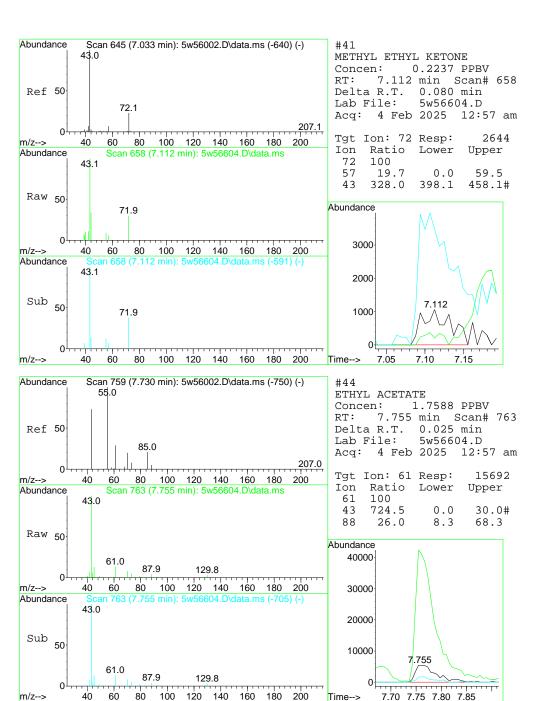
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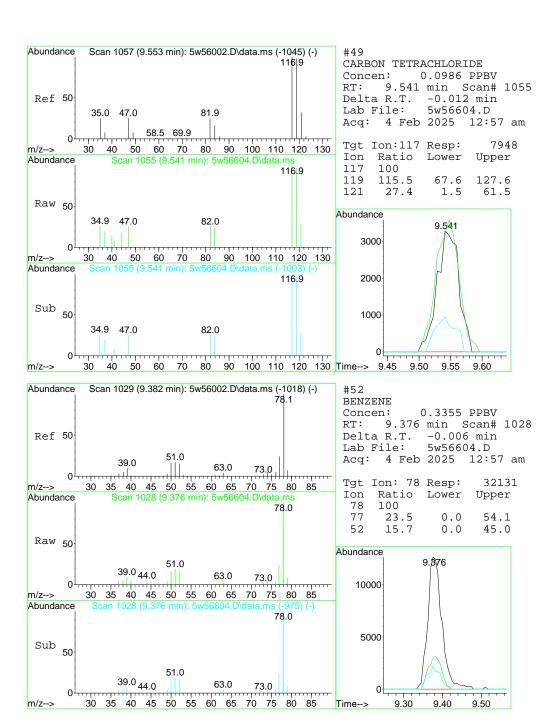


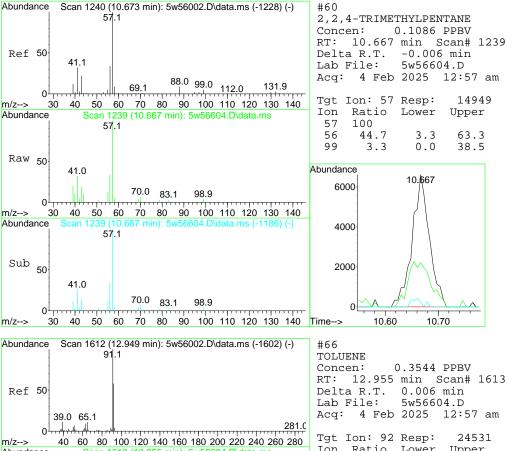


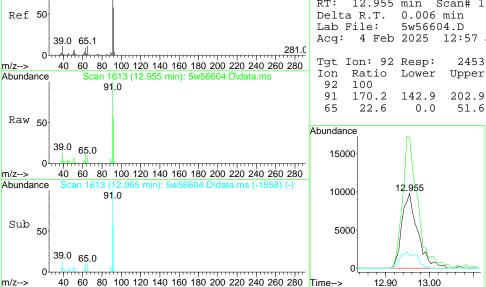


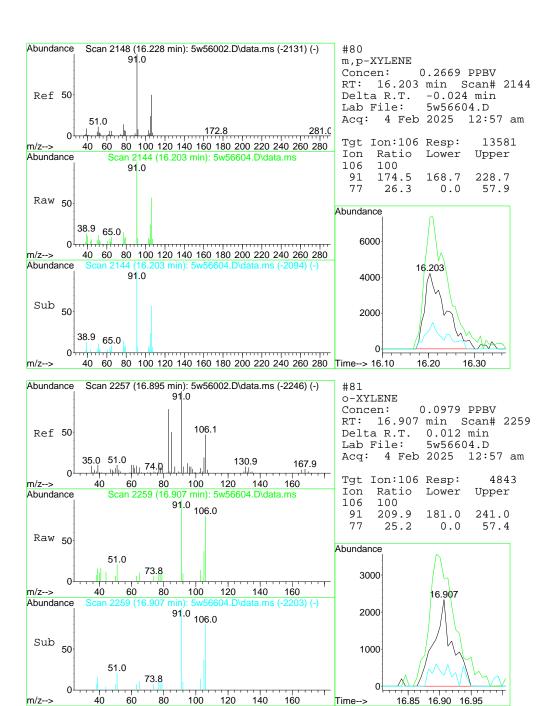


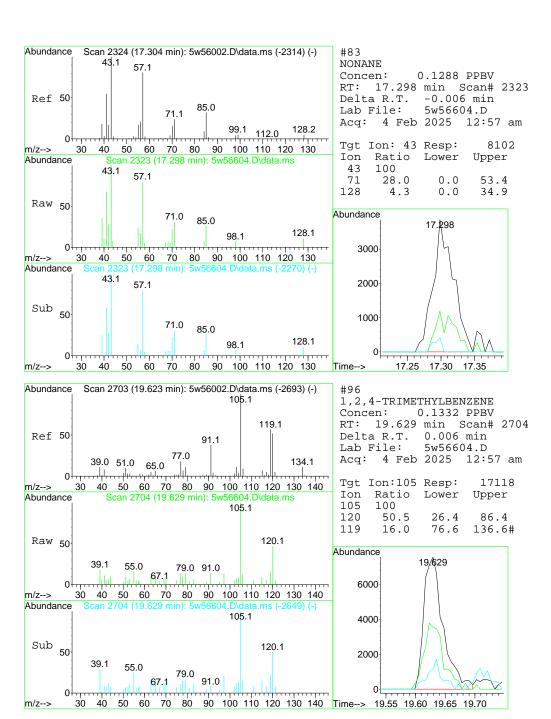












Data Path : X:\Dayton VOA GCMS\luckyc\04 Feb 2025\v5w2168\

Data File : 5w56590.D

: 3 Feb 2025 2:32 pm Acq On

Operator : williamc Sample : mb Inst : GCMS5W

Sample : mb
Misc : MS89211,V5W2168,,,,,1 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 04 05:56:47 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc U	nits D	ev(Min)
Internal Standards  1) BROMOCHLOROMETHANE  51) 1,4-DIFLUOROBENZENE  70) CHLOROBENZENE-D5  109) BROMOCHLOROMETHANE (A)	7.638 9.810 15.328 7.638	128 114 82 128	417935 1907615 861807 417935	10.00 10.00 10.00	PPBV PPBV	-0.01 -0.01 -0.01 #-0.01
System Monitoring Compounds 85) 4-BROMOFLUOROBENZENE Spiked Amount 10.000	17.574 Range 65		1134798	11.18		-0.01
Target Compounds						Qvalue 

(#) = qualifier out of range (m) = manual integration (+) = signals summed

M5w2144.M Tue Feb 04 08:52:09 2025

Page: 1

Data Path: X:\Dayton VOA GCMS\luckyc\04 Feb 2025\v5w2168\

Data File : 5w56590.D

: 3 Feb 2025 Acq On 2:32 pm

Operator : williamc

: mb : GCMS5W Inst Sample

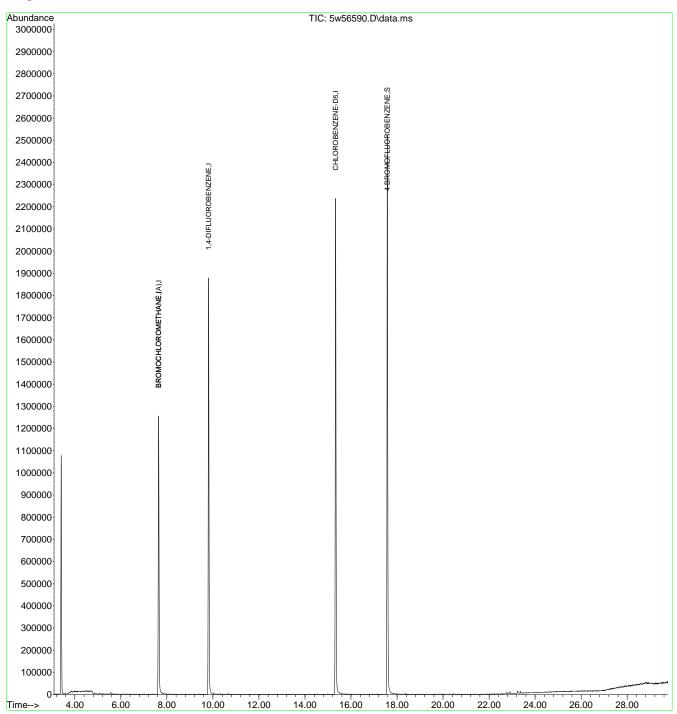
Misc : MS89211,V5W2168,,,,,1 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 04 05:56:47 2025

Quant Method: C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025

Response via : Initial Calibration



Data Path : X:\Dayton VOA GCMS\kristelv\020425\v7w440\

Data File : 7w12384.D

1:42 pm

Inst : MS7W

Acq On : 4 Feb 2025 1:42 pm Operator : williamc Sample : mb Misc : MS89163,v7w440,,,,,1 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 04 21:56:19 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via: Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards 1) BROMOCHLOROMETHANE 52) 1,4-DIFLUOROBENZENE 76) CHLOROBENZENE-D5 109) BROMOCHLOROMETHANE (A)	3.229 4.492 10.032 3.229	128 114 117 128	137644 715948 763042 137644	10.00 PPBV 10.00 PPBV 10.00 PPBV 10.00 PPBV	0.00
System Monitoring Compounds 87) 4-BROMOFLUOROBENZENE Target Compounds	13.379	95	455379	8.22 PPBV	0.00 Ovalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : X:\Dayton VOA GCMS\kristelv\020425\v7w440\

Data File: 7w12384.D

: 4 Feb 2025 Acq On 1:42 pm

Operator : williamc

: mb : MS7W Inst Sample

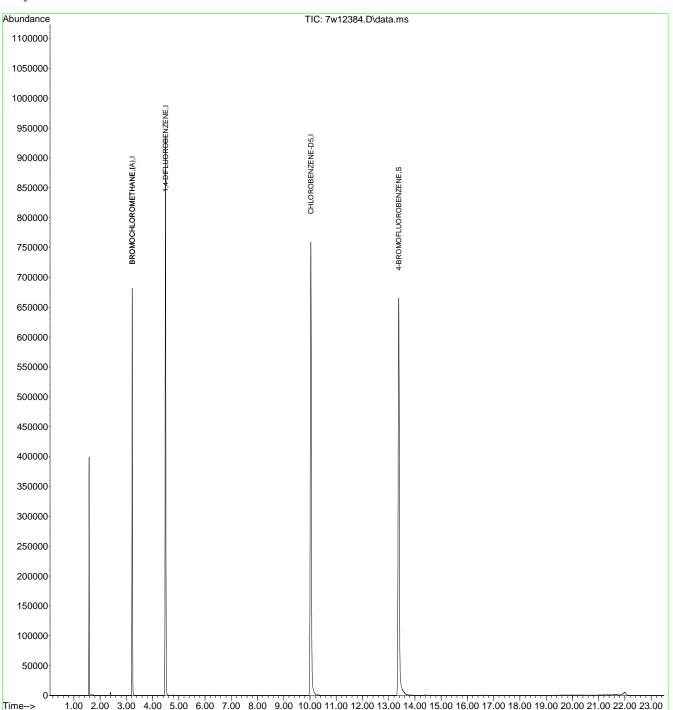
Misc : MS89163, v7w440,,,,,1 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 04 21:56:19 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration



 $\label{eq:decomposition} {\tt Data Path : G:\Dayton\MSAIR\Done\2025\January\06 Jan 2024\v7w411\Label{eq:decomposition}} \\$ 

Data File : 7w11435.D

: 3 Jan 2025 10:27 pm Acq On

Operator : benk Sample : mb

Misc : MS88474, v7w411,,,,,1 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 06 18:42:10 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Uni	its D	ev(Min)
1) BROMOCHLOROMETHANE 52) 1,4-DIFLUOROBENZENE 76) CHLOROBENZENE-D5 109) BROMOCHLOROMETHANE (A)	3.226 4.493 10.033 3.226	128 114 117 128	141575 696296 650532 141575	10.00 H 10.00 H 10.00 H 10.00 H	PPBV PPBV	0.00 0.00 0.00 0.00
System Monitoring Compounds 87) 4-BROMOFLUOROBENZENE	13.380	95	469921	9.96 I	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : 7w11435.D

: 3 Jan 2025 10:27 pm Acq On

Operator : benk : mb Sample

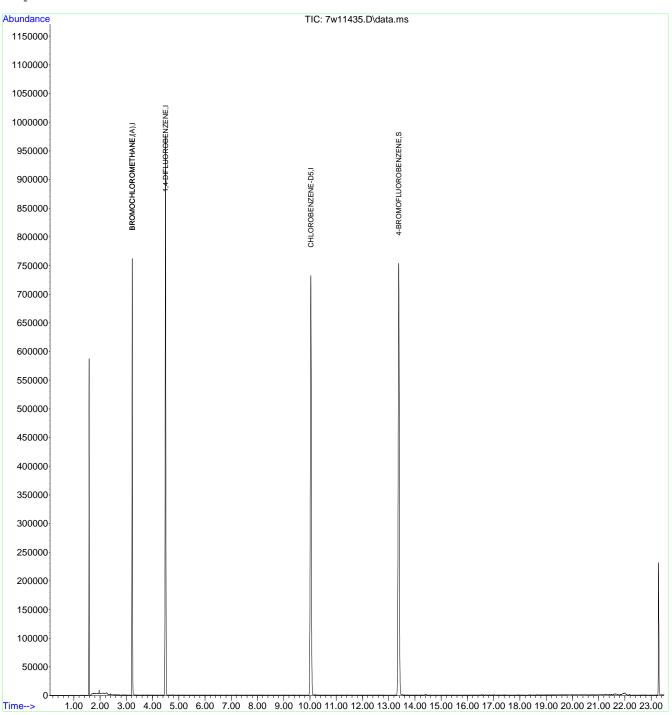
: MS88474, v7w411,,,,,1 Misc ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 06 18:42:10 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration



Data Path : X:\Dayton VOA GCMS\luckyc\04 Feb 2025\v5w2168\

Data File : 5w56586.D

Inst : GCMS5W

Acq On : 3 Feb 2025 11:12 am
Operator : williamc
Sample : bs
Misc : MS89211,V5W2168,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 05:55:39 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 51) 70)	rnal Standards BROMOCHLOROMETHANE 1,4-DIFLUOROBENZENE CHLOROBENZENE-D5 BROMOCHLOROMETHANE (A)		128 114 82 128	438558 1949555 1004072 438558		0.00
85)	em Monitoring Compounds 4-BROMOFLUOROBENZENE iked Amount 10.000	17.580 Range 65	95 - 128	1308793 Recove	11.07 PPBV ery = 110.	
	et Compounds					Qvalue
,	FREON 152A	3.527 3.558	65	320116 166977	10.3038 PP	
	CHLORODIFLUOROMETHANE CHLOROTRIFLUOROETHENE	3.558	116	100011	11.02/111	
6)	DICHLORODIFLUOROMETHANE	3.631	85	1703417	12.1988 PP	BV 98
7)	PROPYLENE	3.576	41	382725	10.8948 PP	BV 97
8)	1-CHLORO-1,1-DIFLUOROE	3.735	65	1570367	11.0618 PP	BV 99
9)	CHLOROTRIFLUOROETHENE DICHLORODIFLUOROMETHANE PROPYLENE 1-CHLORO-1,1-DIFLUOROE FREON 114 CHLOROMETHANE VINYL CHLORIDE 1,3-BUTADIENE n-BUTANE BROMOMETHANE CHLOROETHANE DICHLOROFLUOROMETHANE	3.821	85	1916396	10.5406 PP	BV 96
10)	CHLOROMETHANE VINYL CHLORIDE	3.754	52 62	164618 564712	8.6071 PP	BV 91 BV 100
12)	1,3-BUTADIENE	4 004	54	367439	8 4848 PP	BV 85
13)	n-BUTANE	4.041	43	755332	8.3314 PP	BV 97
14)	BROMOMETHANE	4.206	94	647442	9.3080 PP	BV 99
15)	CHLOROETHANE	4.329	64	238585	8.1617 PP	BV 96
16)	DICHLOROFLUOROMETHANE ACETONITRILE ACROLEIN FREON 123 FREON 123A	4.396	67	1321490	9.3290 PP	BV 99
1/)	ACETONITRILE ACPOLETN	4.592	41 56	401853 193317	7.0305 PP 8 3041 DD	BV 97 BV 98
19)	FREON 123	4.708	83	1401018	9.1553 PP	BV 98
20)	FREON 123A	4.751	117	858583	9.1553 PP 9.9485 PP 12.4430 PP 11.4036 PP 7.6686 PP 9.6288 PP	BV 97
21)	TRICHLOROFLUOROMETHANE	4.916	101	1912871	12.4430 PP	BV 100
22)	ISOPROPYL ALCOHOL ACETONE	4.996	45	926403	11.4036 PP	BV 97
	ACETONE	4.794	58	200294	7.6686 PP	BV # 69 BV 99
	PENTANE IODOMETHANE	5.204	142	393490 1462601	7.6686 PP 9.6288 PP 12.0704 PP 11.0415 PP 10.8588 PP 7.7846 PP 9.1278 PP 9.6660 PP 9.9954 PP	BV 99 BV 94
26)	1,1-DICHLOROETHYLENE	5.454	96	445863	11.0415 PP	BV 94
27)	CARBON DISULFIDE	5.828	76	1227424	10.8588 PP	BV 98
28)	ETHANOL BROMOETHENE ACRYLONITRILE	4.427	45	245538	7.7846 PP	BV 99
29)	BROMOETHENE	4.592	106	601289	9.1278 PP	BV 94
30) 21)	ACKITONILKITE	5.1/3 5.56/	5∠ Q /I	2368/3 2071/17	9.6660 PP	BV 98 BV 97
32)	3-CHIOROPROPENE	5.668	76	195171	11.2224 PP	BV 96
33)	BROMOETHENE ACRYLONITRILE METHYLENE CHLORIDE 3-CHLOROPROPENE FREON 113	5.791	151	753343	10.0418 PP	BV 87
34)	BROMOETHENE ACRYLONITRILE METHYLENE CHLORIDE 3-CHLOROPROPENE FREON 113 TRANS-1,2-DICHLOROETHY TERTIARY BUTYL ALCOHOL METHYL TERTIARY BUTYL TETRAHYDROFURAN HEXANE VINYL ACETATE 1,1-DICHLOROETHANE METHYL ETHYL KETONE	6.421	96	464113	10.9570 PP	BV 93
35)	TERTIARY BUTYL ALCOHOL	5.516	59	719357	10.5160 PP	BV 99
36)	METHYL TERTIARY BUTYL	0.684	73	1150394	11.4336 PP 11.9988 PP	BV 98 BV 98
38)	HEXANE	7 681	7 <u>2</u> 5 7	597994	10 4615 PP	BV 99
39)	VINYL ACETATE	6.776	86	82214	12.7211 PP	BV 98
40)	1,1-DICHLOROETHANE	6.623	63	758552	10.4977 PP	BV 98
/		,	. –	170110	12.0010 11	
	cis-1,2-DICHLOROETHYLENE		96	501003	10.8822 PP	
	DIISOPROPYL ETHER ETHYL ACETATE	7.687 7.724	59 61	182817 138538	10.6965 PP 11.3477 PP	
	METHYL ACEIATE	7.724	55	775222	11.3477 PP 11.3854 PP	
,	CHLOROFORM	7.785	83	1096992	11.3676 PP	
	2,4-DIMETHYLPENTANE	8.642	57	681313	11.0654 PP	BV 99
	1,1,1-TRICHLOROETHANE	8.850	97	1179216	11.8002 PP	
49)	CARBON TETRACHLORIDE	9.541	117	1340002	12.1546 PP	BV 99

M5w2144.M Tue Feb 04 08:50:32 2025

Page: 1

Data Path : X:\Dayton VOA GCMS\luckyc\04 Feb 2025\v5w2168\

Data File : 5w56586.D

Inst : GCMS5W

Acq On : 3 Feb 2025 11:12 am
Operator : williamc
Sample : bs
Misc : MS89211,V5W2168,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 05:55:39 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025 Response via : Initial Calibration

	Compound				Conc Units Dev(Min)
	1,2-DICHLOROETHANE	8.581		688503	
	BENZENE	9.376		1054050	10 0000 00000
	CYCLOHEXANE	9.676	84	531349	10.8133 PPBV 97
	2,3-DIMETHYLPENTANE	9.975		265864	10.5379 PPBV 98
	TRICHLOROETHYLENE	10.630			10.6681 PPBV 96
	1,2-DICHLOROPROPANE	10.342		716540 484081	9.5649 PPBV 95
	DIBROMOMETHANE	10.318		584096	
	ETHYL ACRYLATE	10.391	55	584096 945607	11.3961 PPBV 99
	BROMODICHLOROMETHANE	10.587		1304431	10.9820 PPBV 99
	2,2,4-TRIMETHYLPENTANE	10.667		1304431 1903855 344587 720483	10.5188 PPBV 100
	1,4-DIOXANE	10.648	88	344587	11.5800 PPBV # 78
62)	HEPTANE	11.009		720483	10.9084 PPBV 99
	METHYL METHACRYLATE	10.917		481629	12.0957 PPBV 98
	METHYL ISOBUTYL KETONE	11.768	58	374204	10.8572 PPBV 91
65)	cis-1,3-DICHLOROPROPENE	11.713	75	894889	11.4768 PPBV 98
	TOLUENE	12.942	92	996419	10.9491 PPBV 99
	1,3-DICHLOROPROPANE	12.991		836364	11.0120 PPBV # 100
	trans-1,3-DICHLOROPROPENE	12.392	75		10.9871 PPBV 99
	1,1,2-TRICHLOROETHANE	12.594			
	2-HEXANONE	13.340	58	586518 550667 833697	12.2446 PPBV 94
	ETHYL METHACRYLATE	13.371		833697	12.2325 PPBV 99
	TETRACHLOROETHYLENE	14.454		693246	9.7924 PPBV 86
	DIBROMOCHLOROMETHANE	13.493	129	1547022	12.4686 PPBV 99
	1,2-DIBROMOETHANE	13.811		1205330	13.0518 PPBV 99
	OCTANE	14.313		1063866	12.0882 PPBV 98
77)	1,1,1,2-TETRACHLOROETHANE	15.377		963432	11.5327 PPBV 97
	CHLOROBENZENE	15.390	112	1510473	10.9331 PPBV 99
79)	ETHYLBENZENE	15.946		2345980	12.8285 PPBV 99
	m,p-XYLENE	16.197	106	1842428	25.1450 PPBV 100
	O-XYLENE	16.888		913534	12.8196 PPBV 100
	STYRENE	16.742		1422400	13.6919 PPBV 99
83)	NONANE	17.298	43	1148730	12.6852 PPBV 100
84)	BROMOFORM	16.277	173	1294508 1612978	10.6724 PPBV 98
86)	1,1,2,2-TETRACHLOROETHANE	16.894	83	1612978	11.8570 PPBV 100
87)	1,2,3-TRICHLOROPROPANE	17.084		1044340	11.1986 PPBV 95
88)	ISOPROPYLBENZENE	17.800	105	2653827	12.1647 PPBV 99
89)	BROMOBENZENE	17.892	77	1264753	11.3009 PPBV 94
90)	2-CHLOROTOLUENE	18.534	126	750379	12.4517 PPBV 100
91)	n-PROPYLBENZENE	18.626	120	750379 758299	13.0504 PPBV 99
92)	4-ETHYLTOLUENE	18.870	105	2705162	13.0899 PPBV 98
93)	1,3,5-TRIMETHYLBENZENE	18.999	105	2224555	13.0890 PPBV 98
94)	ALPHA-METHYLSTYRENE	19.244	118	1184593	13.0110 PPBV 99
95)	tert-BUTYLBENZENE	19.605	134	527920	12.6636 PPBV 95
96)	1,2,4-TRIMETHYLBENZENE	19.617	105	2434640	13.1545 PPBV 98
97)	m-DICHLOROBENZENE	19.806	146	2434640 1735403 2279628	11.2844 PPBV 99
98)	BENZYL CHLORIDE	19.800	91	2279628	12.5905 PPBV 99
99)	p-DICHLOROBENZENE	19.910	146	1725226 630813	11.9304 PPBV 99
100)	sec-BUTYLBENZENE	20.008	134	630813	12.6578 PPBV 99
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	2405815	13.2110 PPBV # 98
	p-ISOPROPYLTOLUENE	20.253	134	747025	12.6357 PPBV 95
	o-DICHLOROBENZENE	20.394	146	1626144	11.5817 PPBV 99
104)	n-BUTYLBENZENE	20.846	134	719922	12.8627 PPBV 94
105)	HEXACHLOROETHANE	21.311	117	1369422	13.6640 PPBV # 86
106)	HEXACHLOROBUTADIENE	23.355	225	1080897	7.9941 PPBV 98
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1286647	9.8696 PPBV 95
	NAPHTHALENE	22.878	128	4010575	14.2837 PPBV 99
110)	TVHC as equiv Pentane	5.204	TIC	2619739	10.2009 PPBV 100

Data Path : X:\Dayton VOA GCMS\luckyc\04 Feb 2025\v5w2168\

Data File : 5w56586.D

Inst : GCMS5W

Acq On : 3 Feb 2025 11:12 am
Operator : williamc
Sample : bs
Misc : MS89211,V5W2168,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 05:55:39 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025

Response via : Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : X:\Dayton VOA GCMS\luckyc\04 Feb 2025\v5w2168\

Data File: 5w56586.D

3 Feb 2025 Acq On 11:12 am

: williamc Operator

: bs : GCMS5W Sample Inst

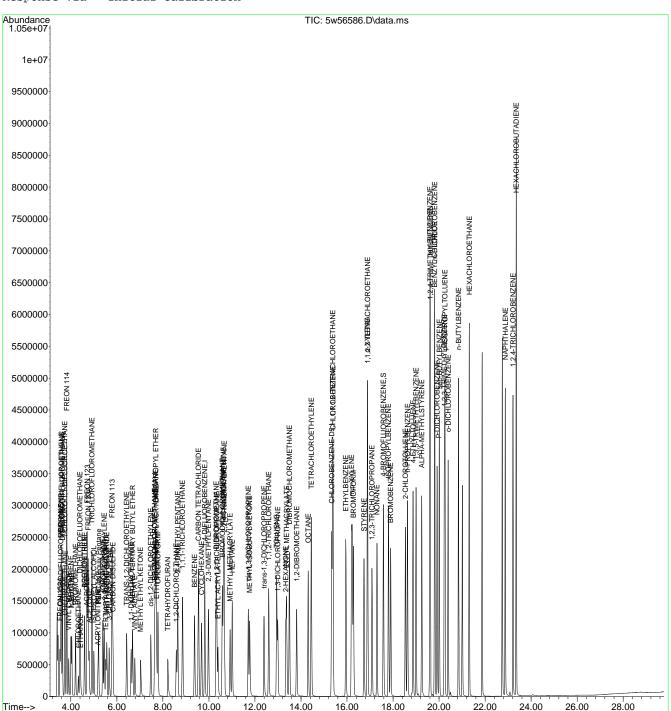
Misc : MS89211,V5W2168,,,,,1 Sample Multiplier: 1 ALS Vial : 2

Quant Time: Feb 04 05:55:39 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025

Response via : Initial Calibration



M5w2144.M Tue Feb 04 08:50:33 2025

Data Path : X:\Dayton VOA GCMS\luckyc\04 Feb 2025\v5w2168\

Data File : 5w56587.D

Inst : GCMS5W

Acq On : 3 Feb 2025 11:53 am
Operator : williamc
Sample : bsd
Misc : MS89211,V5W2168,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 05:55:51 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025 Response via : Initial Calibration

Compound	R.T.	QIon		Conc Units De	1) V£	Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.645	128	462957	10.00 PPBV		
51) 1,4-DIFLUOROBENZENE	9.816	114	2042550	10.00 PPBV		0.00
1) BROMOCHLOROMETHANE 51) 1,4-DIFLUOROBENZENE 70) CHLOROBENZENE-D5 109) BROMOCHLOROMETHANE (A)	15.335	82	1064778	10.00 PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.645	128	462957	10.00 PPBV	#	0.00
System Monitoring Compounds	15 500	0.5	1250145	10 04 5557		0 00
85) 4-BROMOFLUOROBENZENE			1372145	10.94 PPBV	) (	0.00
Spiked Amount 10.000	Range 65	- 128	Recove	= 109.40	) も	
Target Compounds 3) FREON 152A 4) CHLORODIFLUOROMETHANE 5) CHLOROTRIFLUOROMETHANE 6) DICHLORODIFLUOROMETHANE 7) PROPYLENE 8) 1-CHLORO-1,1-DIFLUOROE 9) FREON 114 10) CHLOROMETHANE 11) VINYL CHLORIDE 12) 1,3-BUTADIENE 13) n-BUTANE 14) BROMOMETHANE 15) CHLOROETHANE 16) DICHLOROFLUOROMETHANE	2 501	65	210054	0 6050 555	įva:	lue
3) FREUN 152A	3.521	65	318054	9.69/9 PPB\	,	97 97
4) CHLORODIFLUOROMETHANE	3.558	116	169250	11.3500 PPBV	7	97
5) CHLOROTRIFLUOROETHENE	3.304 2.621	7.1.0	1707000	11.3300 PPBV	7	96
7) DDODVI FNF	3.031	41	1707090	10 5225 7007	7	99
8) 1_CHI.OPO_1 1_DIFILIOPOF	3.370	65	1566407	10.3233 FFBV	7	98
9) FREON 114	3 821	85	1925834	10.4324 FFBV	7	97
10) CHLOROMETHANE	3.021	52	169625	8 4015 PPBV	7 ±	85
11) VINYL CHLORIDE	3.907	62	570975	8.3608 PPBV	7	99
12) 1,3-BUTADIENE	4.005	54	376743	8.2412 PPBV	J	87
13) n-BUTANE	4.041	43	769862	8.0441 PPBV	J	97
14) BROMOMETHANE	4.206	94	651038	8.8664 PPBV	J	98
15) CHLOROETHANE	4.329	64	237298	7.6899 PPBV	I	96
16) DICHLOROFLUOROMETHANE 17) ACETONITRILE 18) ACROLEIN 19) FREON 123	4.396	67	1333867	8.9201 PPBV	I	99
17) ACETONITRILE	4.592	41	417800	7.5152 PPBV	7	98
18) ACROLEIN	4.690	56	194505	7.9148 PPBV	7	98
19) FREON 123	4.708	83	1403911	8.6907 PPBV	7	97
20) FREON 123A	4./51	ΤΤ/	860241	9.4424 PPB\	/	79
21) TRICHLOROFLUOROMETHANE 22) ISOPROPYL ALCOHOL 23) ACETONE 24) PENTANE 25) IODOMETHANE 26) 1,1-DICHLOROETHYLENE 27) CARBON DISULFIDE 28) ETHANOL 29) BROMOETHENE 30) ACRYLONITRILE 31) METHYLENE CHLORIDE 32) 3-CHLOROPROPENE 33) FREON 113	4.916	101	1928407	9.4424 PPBV 11.8830 PPBV 10.5642 PPBV	7	99
22) ISOPROPYL ALCOHOL	5.002	45	905956	10.5642 PPBV	<i>!</i>	100
23) ACETONE	4.794	58	207077	7.5105 PPBV	7 #	77
24) PENTANE	5.204	142	1400070	9.3182 PPB\	7	100
25) IUDUMETHANE	5.393	142	1498272	11./131 PPB\	7	94 93
27) CARRON DIGHTETE	5.434	76	1260454	10.7020 PPDV	7	98
28) FTHANOI.	1.020 4.427	45	246927	7 4161 DDBI	7	99
29) BROMOETHENE	4 592	106	610415	8 7780 DDBI	7	94
30) ACRYLONITRILE	5.173	52	243941	9.4298 PPBV	7	99
31) METHYLENE CHLORIDE	5.565	84	403210	9.6132 PPBV	7	98
32) 3-CHLOROPROPENE	5.669	76	204626	11.1460 PPBV	J	95
31) METHYLENE CHLORIDE 32) 3-CHLOROPROPENE 33) FREON 113 34) TRANS-1,2-DICHLOROETHY 35) TERTIARY BUTYL ALCOHOL 36) METHYL TERTIARY BUTYL 37) TETRAHYDROFURAN 38) HEXANE 39) VINYL ACETATE 40) 1,1-DICHLOROETHANE	5.791	151	779522	9.8431 PPBV	I	
34) TRANS-1,2-DICHLOROETHY	. 6.427	96	482989	10.8016 PPBV	I	93
35) TERTIARY BUTYL ALCOHOL	5.516	59	737327	10.2107 PPBV	7	9.8
36) METHYL TERTIARY BUTYL	. 6.684	73	1196861	11.2685 PPBV 11.6020 PPBV	7	98
37) TETRAHYDROFURAN	8.220	72	195720	11.6020 PPBV	7	100
38) HEXANE	7.681	57	607794	10.0726 PPBV	7	98
39) VINYL ACETATE	6.782	86	82699	12.1218 PPBV	7	96
40) 1,1-DICHLOROETHANE	6.623	63	783386	10.2700 PPBV	7	99
41) MEIUIT FIUIT VEIONE	1.021	/ 4	2014/9	11.0000 PPBV	/	88
42) cis-1,2-DICHLOROETHYLENE		96	511101	10.5164 PPBV		94
43) DIISOPROPYL ETHER	7.694		183917	10.1937 PPBV		94
44) ETHYL ACETATE	7.724		135850	10.5411 PPBV		93
45) METHYL ACRYLATE 46) CHLOROFORM	7.712	55 92	799876	11.1283 PPBV		99
46) CHLOROFORM 47) 2,4-DIMETHYLPENTANE	7.785 8.642	83 57	1121120	11.0053 PPBV 10.7181 PPBV		100 99
48) 1,1,1-TRICHLOROETHANE	8.856	97	696648 1207853	10.7161 PPBV		98
49) CARBON TETRACHLORIDE	9.547	117	1407501	12.0940 PPBV		99
, 0	2.517	'		UJIU IIDV		, ,

M5w2144.M Tue Feb 04 08:50:36 2025

Data Path : X:\Dayton VOA GCMS\luckyc\04 Feb 2025\v5w2168\

Data File : 5w56587.D

Inst : GCMS5W

Acq On : 3 Feb 2025 11:53 am
Operator : williamc
Sample : bsd
Misc : MS89211,V5W2168,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 05:55:51 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025 Response via : Initial Calibration

	Compound				Conc Units Dev(Min)
	1,2-DICHLOROETHANE	8.581		702703	
	BENZENE	9.376		1394966	
	CYCLOHEXANE	9.676		551727	
	2,3-DIMETHYLPENTANE	9.982		273412	10.3436 PPBV 98
	TRICHLOROETHYLENE	10.636			
	1,2-DICHLOROPROPANE	10.342		734299 504402	9.5127 PPBV 96
	DIBROMOMETHANE	10.318		$C \cap \Gamma \land \cap C$	7 0000 DDDII 01
	ETHYL ACRYLATE	10.391	55	965397	11.1049 PPBV 100
	BROMODICHLOROMETHANE	10.587		1337617	10.7487 PPBV 99
	2,2,4-TRIMETHYLPENTANE	10.667		1946466	10.2646 PPBV 99
	1,4-DIOXANE	10.648	88	342201	10.9762 PPBV # 80
62)	HEPTANE	11.015	43	733118	10.5943 PPBV 99
	METHYL METHACRYLATE	10.924	69	485746	11.6437 PPBV 99
	METHYL ISOBUTYL KETONE	11.774		385557	
65)	cis-1,3-DICHLOROPROPENE	11.713		924684	11.3190 PPBV 99
	TOLUENE	12.943	92	1027009 861280	10.7714 PPBV 100
	1,3-DICHLOROPROPANE	12.991		861280	10.8238 PPBV # 100
	trans-1,3-DICHLOROPROPENE	12.392	75	846340	10.7171 PPBV 99
	1,1,2-TRICHLOROETHANE	12.594		602231	10.7676 PPBV 100
	2-HEXANONE	13.340		558642	11.7137 PPBV 94
	ETHYL METHACRYLATE	13.377	69	839910	11.6210 PPBV 100
	TETRACHLOROETHYLENE	14.454	164	705490	9.3972 PPBV 86
	DIBROMOCHLOROMETHANE	13.493		1581785	12.0220 PPBV 99
	1,2-DIBROMOETHANE	13.811	107	1228612	12.5454 PPBV 100
	OCTANE	14.313	43	1085223	11.6278 PPBV 99
77)	1,1,1,2-TETRACHLOROETHANE	15.377	131	989974	11.1748 PPBV 96
	CHLOROBENZENE	15.396	112	1548934	10.5723 PPBV 98
79)	ETHYLBENZENE	15.946		2394698	
	m,p-XYLENE	16.222	106	1881837	24.2186 PPBV 98
	O-XYLENE	16.888		932272	12.3366 PPBV 99
82)	STYRENE	16.742	104	1451177	13.1725 PPBV 98
83)	NONANE	17.298	43	1158781	12.0666 PPBV 99
84)	BROMOFORM	16.277	173	1324949	10.3006 PPBV 99
86)	1,1,2,2-TETRACHLOROETHANE	16.895	83	1324949 1651884 1062949	11.4507 PPBV 100
87)	1,2,3-TRICHLOROPROPANE	17.084	75	1062949	10.7483 PPBV 94
88)	ISOPROPYLBENZENE	17.800	105	2729898	11.8000 PPBV 98
89)	BROMOBENZENE	17.898	77	1299839	10.9522 PPBV 93
90)	2-CHLOROTOLUENE	18.534	126	776911	12.1570 PPBV 98
91)	n-PROPYLBENZENE	18.626	120	776911 790685	12.8319 PPBV 99
92)	4-ETHYLTOLUENE	18.871	105	2755319	12.5725 PPBV 98
93)	1,3,5-TRIMETHYLBENZENE	18.999	105	2306997	12.8002 PPBV 98
94)	ALPHA-METHYLSTYRENE	19.244	118	1210497	12.5375 PPBV 97
95)	tert-BUTYLBENZENE	19.605	134	539459	12.2026 PPBV 94
96)	1,2,4-TRIMETHYLBENZENE	19.617	105	2520565	12.8423 PPBV 99
97)	m-DICHLOROBENZENE	19.807	146	1779392	10.9108 PPBV 99
98)	BENZYL CHLORIDE	19.800	91	2328275	12.1260 PPBV 98
99)	p-DICHLOROBENZENE	19.911	146	1753894 651443	11.4371 PPBV 99
100)	sec-BUTYLBENZENE	20.008	134	651443	
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	2461680	12.7470 PPBV # 99
	p-ISOPROPYLTOLUENE	20.253	134	760627	12.1323 PPBV 95
103)	o-DICHLOROBENZENE	20.394	146	1662025	11.1624 PPBV 99
104)	n-BUTYLBENZENE	20.847	134	748762	12.6153 PPBV 95
105)	HEXACHLOROETHANE	21.312	117	1420217	13.3629 PPBV # 86
106)	HEXACHLOROBUTADIENE	23.361	225	1132688	7.8995 PPBV 99
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1349008	9.7580 PPBV 95
	NAPHTHALENE	22.878	128	4171792	14.0108 PPBV 99
110)	TVHC as equiv Pentane	5.204	TIC	2694299	9.9383 PPBV 100

Data Path : X:\Dayton VOA GCMS\luckyc\04 Feb 2025\v5w2168\

Data File : 5w56587.D

Inst : GCMS5W

Acq On : 3 Feb 2025 11:53 am
Operator : williamc
Sample : bsd
Misc : MS89211,V5W2168,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 05:55:51 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025

Response via : Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path: X:\Dayton VOA GCMS\luckyc\04 Feb 2025\v5w2168\

Data File: 5w56587.D

3 Feb 2025 11:53 am Acq On

: williamc Operator

: bsd : GCMS5W Inst Sample

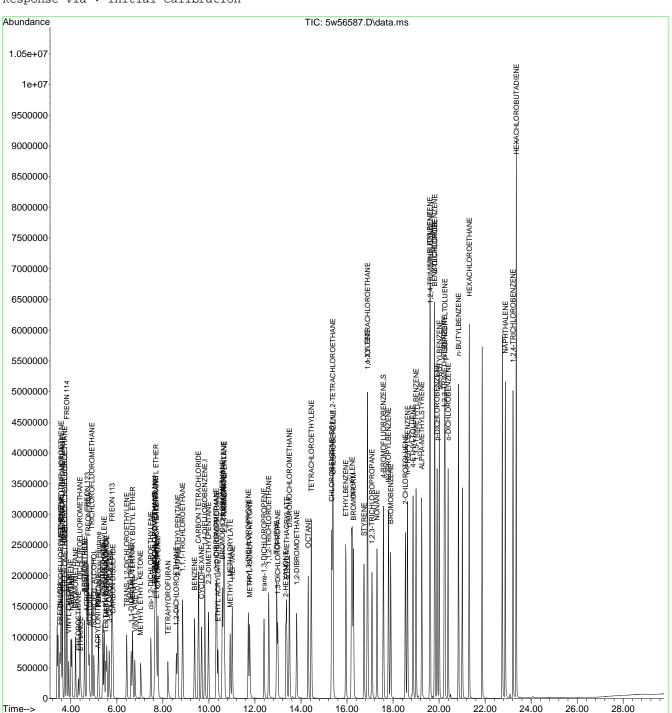
Misc : MS89211,V5W2168,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 05:55:51 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025

Response via : Initial Calibration



M5w2144.M Tue Feb 04 08:50:37 2025

Data Path : X:\Dayton VOA GCMS\kristelv\020425\v7w440\

Data File : 7w12380.D

Inst : MS7W

Acq On : 4 Feb 2025 10:47 am
Operator : williamc
Sample : bs
Misc : MS89217, v7w440,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 21:55:04 2025

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units Dev(Min)		
Internal Standards						
1) BROMOCHLOROMETHANE 52) 1,4-DIFLUOROBENZENE 76) CHLOROBENZENE-D5	3.229	128	133316	10.00 PPBV	0.00	
52) 1,4-DIFLUOROBENZENE	4.495	114	688411	10.00 PPBV	0.00	
76) CHLOROBENZENE-D5	10.032	117	639219	10.00 PPBV	0.00	
109) BROMOCHLOROMETHANE (A)	3.229	128	688411 639219 133316	10.00 PPBV	0.00	
System Monitoring Compounds						
76) CHLOROBENZENE-D5 109) BROMOCHLOROMETHANE (A)  System Monitoring Compounds 87) 4-BROMOFLUOROBENZENE  Target Compounds 3) FREON 152A 4) CHLORODIFLUOROMETHANE 5) CHLOROTRIFLUOROMETHANE 6) DICHLORODIFLUOROMETHANE 7) PROPYLENE 8) 1-CHLORO-1,1-DIFLUOROE 9) FREON 114 10) CHLOROMETHANE 11) VINYL CHLORIDE 12) 1,3-BUTADIENE 13) N-BUTANE 14) BROMOMETHANE 15) CHLOROFLUOROMETHANE 16) DICHLOROFLUOROMETHANE 17) ACETONITRILE 18) ACROLEIN 19) FREON 123 20) FREON 123A 21) TRICHLOROFLUOROMETHANE 22) ISOPROPYL ALCOHOL 23) ACETONE 24) PENTANE 25) IODOMETHANE 26) 1,1-DICHLOROFTHYLENE 27) CARBON DISULFIDE 28) ETHANOL	13.386	95	496384	10.70 PPBV	0.00	
Target Compounds				Qv	<i>r</i> alue	
3) FREON 152A	1.627	65	63185	9.9525 PPBV	97	
4) CHLORODIFLUOROMETHANE	1.640	67	32887	10.2041 PPBV	100	
5) CHLOROTRIFLUOROETHENE	1.653	116	160346	10.3284 PPBV	84	
6) DICHLORODIFLUOROMETHANE	1.666	85	389411	11.7151 PPBV	98	
7) PROPYLENE	1.650	41	69996	8.0007 PPBV	99	
8) 1-CHLORO-1,1-DIFLUOROE	1.705	65	286646	11.6433 PPBV	96	
9) FREON 114	1.740	85	341766	12.9620 PPBV	98	
10) CHLOROMETHANE	1.711	52	34731	10.0649 PPBV	97	
11) VINYL CHLORIDE	1.772	62	140321	12.5846 PPBV	99	
12) 1.3-BUTADIENE	1.811	54	104435	10.9924 PPBV	91	
13) N-BUTANE	1.827	43	176980	10.2358 PPBV	98	
14) BROMOMETHANE	1.885	94	123346	12.3737 PPBV	99	
15) CHLOROETHANE	1.933	64	73057	12.1072 PPBV	93	
16) DICHLOROFLUOROMETHANE	1.959	67	288087	12.2556 PPBV	97	
17) ACETONITRILE	2.026	41	103251	9.6361 PPBV	97	
18) ACROLEIN	2.065	56	60405	10.7334 PPBV	98	
19) FREON 123	2.078	83	317162	12.5031 PPBV	97	
20) FREON 123A	2.094	117	193237	12.2352 PPBV	99	
21) TRICHLOROFLUOROMETHANE	2.161	101	347851	11.8830 PPBV	99	
22) ISOPROPYL ALCOHOL	2.177	45	284879	11.5347 PPBV	97	
23) ACETONE	2.103	58	66588	8.5967 PPBV	68	
24) PENTANE	2.274	42	129109	10.8831 PPBV	95	
25) IODOMETHANE	2.335	142	354318	13.2072 PPBV	97	
26) 1.1-DICHLOROETHYLENE	2.361	96	133030	11.5083 PPBV	91	
27) CARBON DISULFIDE	2.496	76	379455	13.1816 PPBV	95	
28) ETHANOL	1.962	45	64689	9.5681 PPBV	99	
29) BROMOETHENE	2.033	106	130011	12.2421 PPBV	99	
30) ACRYLONITRILE	2.245	52	91122	9.5049 PPBV	99	
31) METHYLENE CHLORIDE	2.399	84	114244	10.8269 PPBV	# 73	
32) 3-CHLOROPROPENE	2.441	76	62495	11.3846 PPBV	# 60	
33) FREON 113	2.496	151	224096	12.8038 PPBV	97	
34) TRANS-1,2-DICHLOROETHENE	2.721	96	146038	12.1358 PPBV	91	
35) TERTIARY BUTYL ALCOHOL	2.373	59	257828	9.0772 PPBV	96	
36) METHYL TERTIARY BUTYL	2.827	73	359767	10.4549 PPBV	97	
37) TETRAHYDROFURAN	3.508	72	60847	11.4107 PPBV	83	
38) HEXANE	3.280	57	208467	9.4946 PPBV	97	
20) FREON 123A 21) TRICHLOROFLUOROMETHANE 22) ISOPROPYL ALCOHOL 23) ACETONE 24) PENTANE 25) IODOMETHANE 26) 1,1-DICHLOROETHYLENE 27) CARBON DISULFIDE 28) ETHANOL 29) BROMOETHENE 30) ACRYLONITRILE 31) METHYLENE CHLORIDE 32) 3-CHLOROPROPENE 33) FREON 113 34) TRANS-1,2-DICHLOROETHENE 35) TERTIARY BUTYL ALCOHOL 36) METHYL TERTIARY BUTYL 37) TETRAHYDROFURAN 38) HEXANE 39) VINYL ACETATE 40) 1,1-DICHLOROETHANE 41) METHYL ETHYL KETONE	2.862	86	33520	10.2918 PPBV	72	
40) 1.1-DICHLOROETHANE	2.795	63	224562	10.4296 PPRV	98	
41) METHYL ETHYL KETONE	2.959	72	64389	10.8711 PPBV	78	
42) CIS-1,2-DICHLOROETHENE	3.155	96	137083	11.0598 PPBV	95	
43) DIISOPROPYL ETHER	3.283	59	61033	10.0374 PPBV	87	
44) ETHYL ACETATE	3.287	61	44546	10.5891 PPBV	86	
45) METHYL ACRYLATE	3.274	55	253742	10.2865 PPBV		
46) CHLOROFORM	3.299	83	284825	11.6888 PPBV	π 97	
47) 2,4-DIMETHYLPENTANE	3.788	57	239671	9.8729 PPBV	98	
48) 1,1,1-TRICHLOROETHANE	3.865	97	291378	11.1508 PPBV	99	
49) CARBON TETRACHLORIDE	4.283	117	297281	11.4711 PPBV	99	
50) 1,2-DICHLOROETHANE	3.704	62	204909	11.4711 PPBV	99	
JU, I,Z DICHLORUEIRANE	5.704	02	ムしマクリク	TI.ZOI/ FEDV	של	

Data Path : X:\Dayton VOA GCMS\kristelv\020425\v7w440\

Data File : 7w12380.D

Inst : MS7W

Acq On : 4 Feb 2025 10:47 am
Operator : williamc
Sample : bs
Misc : MS89217, v7w440,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 21:55:04 2025

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

STATE   STAT		Compound	R.T.	QIon	Response	Conc Units Dev(Min)
1.0   1.0	51)	BENZENE	4.174	 78	396659	11.1405 PPBV 95
1.   1.   1.   1.   1.   1.   1.   1.	53)	CYCLOHEXANE	4.380	84	178171	10.9546 PPBV 91
STATICHLOROETHENE	54)	2,3-DIMETHYLPENTANE	4.634	71	90032	10.5431 PPBV 89
56   1,2-DICHLOROPROPANE	55)	TRICHLOROETHENE	5.065	95	191424	10.9391 PPBV 97
STATE	56)	1,2-DICHLOROPROPANE	4.830	63	148231	9.9291 PPBV 97
Second   S	57)	DIBROMOMETHANE	4.794	174	170718	10.3827 PPBV 98
S90   BROMODICHLOROMETHANE   5.010   83   313059   11.2222 PPBV   100   100   12.4 **TRINETHYLPENTANE   5.158   57   650343   9.8244 PPBV   100   611   1.4 **DIOXANE   5.077   88   98379   10.0826 PPBV   93   93   94   95   94   95   95   95   95   95	58)	ETHYL ACRYLATE	4.949	55	312171	9.8412 PPBV 99
60) 2,2,4-TRIMETHYLPENTANE 5.158 57 650343 9.224 PPBV 100 101 1,4-DIOXANE 5.077 88 98379 10.0826 PPBV 93 62) HEPTANE 5.470 43 218407 9.3882 PPBV 91 63) METHYL METHACRYLATE 5.367 69 151410 10.1268 PPBV 91 65) CIS-1,3-DICHLOROPROPENE 5.994 75 253968 10.8629 PPBV 92 66) TOLUME 7.190 91 503712 10.3553 PPBV 100 67) 1,3-DICHLOROPROPENE 7.190 91 503712 10.3553 PPBV 100 67) 1,3-DICHLOROPROPENE 6.663 75 221877 10.0952 PPBV 92 10.11 1.24 1.25 1.25 1.25 1.25 1.25 1.25 1.25 1.25	59)	BROMODICHLOROMETHANE	5.010	83	313059	11.2292 PPBV 100
62) HEPTANE 5.077 88 98379 10.0826 PBBV 93 62) HEPTANE 5.470 43 218407 9.3882 PBBV 91 63) METHYL ISOBUTYL KETONE 6.093 58 130946 9.4283 PBBV 89 64) METHYL ISOBUTYL KETONE 6.093 58 130946 9.4283 PBBV 91 65) CIS-1,3-DICHLOROPROPENE 7.190 91 503712 10.3553 PBBV 100 66) TOLUENE 7.190 91 503712 10.3553 PBBV 100 67) 1,3-DICHLOROPROPENE 6.663 75 221877 10.0952 PBBV 92 66) TOLUENE 7.248 76 254079 11.1841 PBBV 100 68) TRANS-1,3-DICHLOROPROPENE 6.663 75 221877 10.0952 PBBV 92 69) 1,1,2-TRICHLOROETHANE 7.756 58 179338 8.2692 PBBV 91 70 2-HEXANONE 7.756 58 179338 8.2692 PBBV 91 71 ETHYL METHACRYLATE 7.891 69 254070 9.7742 PBBV 97 71 ETHYL METHACRYLATE 7.891 69 254070 9.7742 PBBV 97 72 TETRACHLOROETHANE 7.701 129 304868 10.8524 PBBV 97 73 DIROMOCHLOROEMENE 8.058 107 283887 11.5979 PBBV 97 74 1,2-DIROMOCHLOROETHANE 7.720 129 304868 10.8524 PBBV 97 75 0CTANE 9.058 43 303340 9.2029 PBBV 90 77 1,1,1,2-TETRACHLOROETHANE 10.125 131 228854 11.2019 PBBV 98 78 CHLOROBENZENE 10.987 91 686235 10.8996 PBBV 98 78 CHLOROBENZENE 10.987 91 686235 10.8996 PBBV 98 80 M,P-XYLENE 11.418 91 1082945 21.9424 PBBV 98 81 0-XYLENE 12.347 91 555957 11.2161 PBBV 98 81 0-XYLENE 12.347 91 555957 11.2161 PBBV 99 82 STYRENE 12.347 91 555957 11.2161 PBBV 99 86 1,2,2.3-TRICHLOROPROPANE 12.360 83 405291 12.2861 PBBV 99 86 1,2,2.3-TRICHLOROPROPANE 12.360 83 405291 12.2861 PBBV 99 86 1,2,2.3-TRICHLOROPROPANE 12.360 83 405291 12.2861 PBBV 99 86 1,2,2.3-TRICHLOROPROPANE 12.643 75 308545 11.7239 PBBV 100 90 2-CHLOROTOLUENE 15.643 105 795431 11.5545 PBBV 99 91 10.900 2-CHLOROTOLUENE 15.643 105 795431 11.5545 PBBV 99 91 10.900 2-CHLORODENZENE 13.862 120 206699 10.9153 PBBV 99 91 10.900 2-CHLORODENZENE 15.643 105 795431 11.5545 PBBV 99 91 10.900 2-CHLORODENZENE 15.643 105 795431 11.5545 PBBV 99 91 10.900 2-CHLORODENZENE 15.643 105 795431 11.5545 PBBV 99 91 10.900 2-CHLORODENZENE 15.643 105 795431 11.5545 PBBV 99 91 10.900 2-CHLORODENZENE 15.643 105 795431 11.5545 PBBV 99 91 10.900 2-CHLORODENZENE 15.643 105 795431 11.5545 PBBV 99 91 10.900 2-CHLORODENZENE 15.643 105	60)	2,2,4-TRIMETHYLPENTANE	5.158	57	650343	9.8244 PPBV 100
63) METHYL METHACRYLATE 5.470 43 218407 9.3882 PPBV 91 63) METHYL ISOBUTYL KETONE 6.093 58 130946 9.4283 PPBV 91 65 CIS-1,3-DICHLOROPROPENE 7.190 91 503712 10.3553 PPBV 91 67 1,3-DICHLOROPROPENE 7.248 76 254079 11.1841 PPBV 100 67 1,3-DICHLOROPROPENE 6.663 75 221877 10.9552 PPBV 92 69 1,1,2-TRICHLOROPROPENE 6.663 75 221877 10.9552 PPBV 92 69 1,1,2-TRICHLOROFTHANE 6.820 83 149159 11.1554 PPBV 98 70 2-IEXAMONE 7.756 58 179338 8.2692 PPBV 91 71 ETHYL METHACRYLATE 7.891 69 254079 11.1854 PPBV 98 71 ETHYL METHACRYLATE 7.891 69 254070 9.7742 PPBV 93 72 TETRACHLOROFTHANE 8.807 164 200647 10.8867 PPBV 97 73 DIBROMOCHLOROMETHANE 7.720 129 304868 10.8824 PPBV 97 74 1,2-DIBROMOCHLOROMETHANE 8.058 107 283887 11.5979 PPBV 93 77 1,1,1,2-TETRACHLOROFTHANE 10.125 131 228854 11.2019 PPBV 98 77 1,1,1,2-TETRACHLOROFTHANE 10.125 131 228854 11.2019 PPBV 98 78 11.151 PPBV 98 79 ETHYLBENZENE 10.987 91 686235 10.896 PPBV 99 80 M,P-XYLENE 11.418 91 1082945 10.8996 PPBV 98 81 0-XYLENE 11.418 91 1082945 10.8996 PPBV 99 82 STYRENE 12.347 91 555957 11.2161 PPBV 98 81 0-XYLENE 12.347 91 555957 11.2161 PPBV 98 81 10.2,2-TETRACHLOROFTANE 12.360 83 405291 12.2861 PPBV 99 86 1,2,2-TETRACHLOROFTANE 12.360 83 405291 12.2861 PPBV 99 86 1,2,2-TETRACHLOROFTANE 13.469 43 325162 9.5503 PPBV 99 86 1,2,2-TETRACHLOROFTANE 12.360 83 405291 12.2861 PPBV 99 99 16 PPBV 99 16 PPBV 99 17 PPBV 99 17 PPBV 99 18 PPBV 99 18 PPBV 99 18 PPBV 99 18 PPBV 99 18 PPBV 99 18 PPBV 99 18 PPBV 99 18 PPBV 99 18 PPBV 99 18 PPBV 99 18 PPBV 99 18 PPBV 99 18 PPBV 99 18 PPBV 99 19 PPBV 99 18 PPBV 99 18 PPBV 99 18 PPBV 99 19 PPB	61)	1,4-DIOXANE	5.077	88	98379	10.0826 PPBV 93
63) METHYL ISOBUTYL KETONE 64) METHYL ISOBUTYL KETONE 65) CIS-1,3-DICHLOROPROPENE 7,190 91 65) CIS-1,3-DICHLOROPROPENE 7,190 91 50; 1,3-DICHLOROPROPENE 7,248 76 62,4079 11,1841 PPBV 100 68) TRANS-1,3-DICHLOROPROPENE 6,663 75 221877 10,0952 PPBV 92 69) 1,1,2-TRICHLOROFROPENE 6,663 75 221877 10,0952 PPBV 98 70) 2-HEXANONE 7,756 58 179338 8,2692 PPBV 99 71 12 TETRACHLOROETHANE 7,765 7,756 7,891 7	62)	HEPTANE	5.470	43	218407	9.3882 PPBV 91
64) METHYL ISOBUTYL KETONE 65) CIS-1,3-DICHLOROPROPENE 65) CIS-1,3-DICHLOROPROPENE 7.190 66) TOLUENE 7.190 67) 1,3-DICHLOROPROPENE 7.248 76 254079 11.1841 PPBV 100 68) TRANS-1,3-DICHLOROPROPENE 6.663 75 221877 10.0952 PPBV 92 69) 1,1,2-TRICHLOROFETHANE 6.820 83 149159 11.1554 PPBV 98 70) 2-HEXAMONE 7.756 58 179338 8.2692 PPBV 91 71) ETHYL METHACRYLATE 7.891 69 254070 9.7742 PPBV 93 72) DIBROMOCHLOROMETHANE 8.097 73) DIBROMOCHLOROMETHANE 7.720 129 304868 10.8854 PPBV 97 74) 1,2-DIBROMOETHANE 8.058 107 73 283887 11.5979 PPBV 100 75) OCTANE 9.058 43 303340 9.2029 PPBV 93 77) 1,1,1,2-TETRACHLOROETHANE 10.105 112 228854 11.2019 PPBV 98 87) ETHYLBENZENE 10.987 99 ETHYLBENZENE 10.987 91 686235 10.8896 PPBV 98 81) O-XYLENE 12.347 91 555957 11.2161 PPBV 98 82) STYRENE 12.135 104 413141 11.6377 PPBV 98 84) BROMOFORM 11.225 173 293535 11.9784 PPBV 99 86) 1,2,3-TRICHLOROPROPANE 12.643 17,2,2-TETRACHLOROETHANE 12.643 18.649 19.750 2661 19.720 277 2861 2861 287 287 287 287 288 287 298 298 299 298 299 299 290 290 290 290 290 290 290 290	63)	METHYL METHACRYLATE	5.367	69	151410	10.1268 PPBV 89
66) TOLUENE 7.190 91 503712 10.3553 PPBV 92 67) 1,3-DICHLOROPROPANE 7.248 76 254079 11.1841 PPBV 100 68) TRANS-1,3-DICHLOROPROPENE 6.663 75 221877 10.0952 PPBV 92 69) 1,1,2-TRICHLOROETHANE 6.820 83 149159 11.1554 PPBV 98 70) 2-HEXANONE 7.891 69 254070 9.7742 PPBV 93 71) ETHYL METHACRYLATE 7.891 69 254070 9.7742 PPBV 93 72) TETRACHLOROETHENE 8.907 164 200647 10.8867 PPBV 97 73) DIBROMOCHLOROMETHANE 7.720 129 304868 10.8524 PPBV 99 74) 1,2-DIBROMOCHLOROETHANE 8.058 107 283887 11.5979 PPBV 100 75) OCTANE 9.058 43 303340 9.2029 PPBV 93 77) 1,1,1,2-TETRACHLOROETHANE 10.125 131 228854 11.2019 PPBV 98 78) CHLOROBENZENE 10.106 112 420716 11.3106 PPBV 98 78) ETHYLBENZENE 10.987 91 686235 10.8996 PPBV 99 80) M,P-XYLENE 11.418 91 1082945 21.9424 PPBV 98 81) O-XYLENE 12.347 91 555597 11.2161 PPBV 99 82) STYRENE 12.135 104 413141 11.6377 PPBV 99 83) NONANE 13.469 43 303545 11.5979 PPBV 100 84) BROMOFORM 11.225 173 293535 11.9784 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 405291 12.2861 PPBV 99 86) 1,2,3-TRICHLOROPROPANE 12.643 75 308545 11.739 PPBV 100 88) ISOPROPYLBENZENE 13.862 120 206699 10.9153 PPBV 99 86) 1,2,3-TRICHLOROPROPANE 13.723 73 389858 11.0789 PPBV 100 90) 2-CLILOROTOLUENE 14.852 126 187412 10.8795 PPBV 100 91) N-PROPYLBENZENE 15.964 105 795431 11.5545 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 670427 11.5721 PPBV 98 94) ALPHA-METHYLSTYRENE 16.537 10.9092 PPBV 98 95) TERT-BUTYLBENZENE 16.637 105 698690 11.9157 PPBV 98 96) 1,2,4-TRICHLOROENE 16.657 91 480245 9.2807 PPBV 98 96) 1,2,4-TRICHLORDENE 16.657 91 480245 9.2807 PPBV 98 96) 1,2,4-TRICHLURENE 16.691 146 473797 11.5721 PPBV 98 97) BENZYL CHLORIDE 16.657 105 698690 11.9167 PPBV 98 98) M-DICHLOROBENZENE 16.657 105 698690 11.9177 PPBV 98 99 PDICHLOROBENZENE 16.657 105 698690 11.9177 PPBV 98 99 PDICHLOROBENZENE 16.657 105 698690 11.9177 PPBV 98 91 L2,4-TRICHLURENZENE 16.537 105 698690 11.9177 PPBV 98 91 L2,4-TRICHLURENZENE 16.637 105 698690 11.9177 PPBV 98 91 DICHLOROBENZENE 16.691 146 473797 11.5721 PPBV 98 91 DICHLOROBENZENE 16.692 134 223174 11.9493	64)	METHYL ISOBUTYL KETONE	6.093	58	130946	9.4283 PPBV 91
67) 1.3 -DICHLOROPROPANE 7. 248 76 254079 11.1841 PBEV 100 68) TRANS-1,3 -DICHLOROPROPENE 6.663 75 221877 10.0952 PBEV 92 69) 1.1,2 -TRICHLOROCETHANE 6.820 83 149159 11.1554 PBEV 98 70) 2 -HEXANONE 7.756 58 179338 8.2692 PBEV 91 71) ETHYL METHACRYLATE 7.891 69 254070 9.7742 PBEV 93 72) TETRACHLOROCETHENE 8.907 164 200647 10.8867 PBEV 97 73) DIBROMOCHLOROMETHANE 7.720 129 304868 10.8524 PBEV 97 74) 1,2 -DIBROMOCHLOROMETHANE 8.058 107 283887 11.5979 PBEV 100 75) OCTANE 9.058 43 303340 9.2029 PBEV 93 77) 1,1,1,2 -TETRACHLOROETHANE 10.125 131 228854 11.2019 PBEV 98 78) ETHYLBENZENE 10.105 112 420716 11.3106 PBEV 98 79) ETHYLBENZENE 10.987 91 686235 10.8996 PBEV 99 80) M.PXYLENE 11.418 91 1082945 21.9424 PBEV 98 81) O-XYLENE 11.418 91 1082945 21.9424 PBEV 98 82) STYRENE 12.347 91 555957 11.2161 PBEV 98 83) NONANE 13.469 43 325162 9.5503 PBEV 94 84) BROMOFORM 11.225 173 293535 11.9784 PBEV 99 84) BROMOFORM 11.225 173 293535 11.9784 PBEV 99 85) 1,1,2,2 -TETRACHLOROETHANE 12.360 83 405291 12.2861 PBEV 99 86) 1,2,3 -TRICHLOROPROPANE 12.360 83 405291 12.2861 PBEV 99 86) 1,2,3 -TRICHLOROPROPANE 13.862 120 206699 10.9153 PBEV 94 88) ISOPROPYLBENZENE 13.862 120 206699 10.9153 PBEV 95 88) ISOPROPYLBENZENE 13.862 120 206699 10.9153 PBEV 95 89) BROMOBENZENE 13.862 120 206699 11.2678 PBEV 100 90) 2-CHLOROTOLUENE 15.963 105 670427 11.5742 PBEV 98 91) A-PROPYLBENZENE 15.913 105 670427 11.5742 PBEV 98 93) 1,3,5 -TRIMETHYLBENZENE 16.537 10.60699 11.9951 PPBV 98 94) ALPHA-METHYLSTYRENE 16.530 134 165250 11.9177 PBEV 98 95) TERT-BUTYLEENZENE 16.530 134 165250 11.9177 PBEV 98 96) 1,2,4 -TRIMETHYLBENZENE 16.530 134 165250 11.9177 PBEV 98 97) BENZYL CHLORIDE 16.697 91 480245 9.2807 PBEV 98 98) P-DICHLOROBENZENE 16.598 166 4473972 12.2176 PBEV 100 100) O-DICHLOROBENZENE 16.598 166 4473972 12.2176 PBEV 100 101) SCE-BUTYLBENZENE 16.598 166 4473972 12.2176 PBEV 100 102) 1,2,4 -TRIMETHYLBENZENE 16.598 166 4473972 12.2176 PBEV 100 101) SCE-BUTYLBENZENE 16.598 166 4473972 12.2176 PBEV 100 102) 1,2,3 -TRIMETHYLBENZENE 16.595 105 678289 11.587	65)	CIS-1,3-DICHLOROPROPENE	5.994	75	253968	10.8629 PPBV 92
68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 69) 1,1,2-TRICHLOROPROPENE 6,663 75 221877 10.0952 PPBV 92 69) 1,1,2-TRICHLOROETHANE 7,756 58 179338 8.2692 PPBV 91 71) ETHYL METHACRYLATE 7,891 69 254070 9.7742 PPBV 93 72) TETRACHLOROETHANE 7,720 129 304868 10.8524 PPBV 97 73) DIBROMOCHLOROMETHANE 7,720 129 304868 10.8524 PPBV 99 74) 1,2-DIBROMOCHHANE 9,058 43 30340 9.2029 PPBV 91 75) OCTANE 9,058 43 30340 9.2029 PPBV 93 77) 1,1,1,2-TETRACHLOROETHANE 10.105 112 420716 11.3106 PPBV 98 78) CHLOROBENZENE 10.106 112 420716 11.3106 PPBV 98 81) O-XYLENE 11.418 91 1082945 21.9424 PPBV 98 81) O-XYLENE 11.418 91 1082945 21.9424 PPBV 99 82) STYRENE 12.135 104 413141 11.6377 PPBV 99 83) NONANE 13.469 43 325162 9.5503 PPBV 94 84) BROMOFORM 11.225 173 293535 11.9784 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.264 37 5308545 11.7239 PPBV 100 88) ISOPROPYLBENZENE 13.862 120 206699 10.9153 PPBV 99 86) 1,2,3-TRICHLOROPROPANE 12.643 75 308545 11.7239 PPBV 100 90 2-CHLOROTOLUENE 13.862 120 206699 10.9153 PPBV 99 89) BROMOBENZENE 13.723 77 389858 11.0440 PPBV 100 90) 2-CHLOROTOLUENE 15.643 105 795431 11.5545 PPBV 99 91) N-PROPYLBENZENE 15.196 120 216266 11.2678 PPBV 100 91) N-PROPYLBENZENE 15.643 105 795431 11.5545 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 16.537 105 670427 11.5721 PPBV 98 94) ALPHA-METHYLSTYRENE 16.537 105 698690 11.9576 PPBV 98 95) TETR-BUTYLBENZENE 16.657 91 480245 9.2807 PPBV 98 95) TETR-BUTYLBENZENE 16.657 91 480245 9.2807 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.6598 146 46332 11.7493 PPBV 100 101) SEC-BUTYLBENZENE 16.691 146 473972 12.2176 PPBV 100 101) SEC-BUTYLBENZENE 16.691 146 473972 12.2176 PPBV 98 104) N-BUTYLBENZENE 16.691 146 473972 12.2176 PPBV 98 105 TETR-BUTYLBENZENE 16.691 146 473972 12.2176 PPBV 98 106 1,2,4-TRIMETHYLBENZENE 16.692 134 22773 11.8894 PPBV 98 106 1,2,4-TRIMETHYLBENZENE 16.693 134 165250 11.9177 PPBV 98 107 BENZYL CHLORIDE 17.092 134 22773 11.8894 PPBV 98 108 N-BUTYLBENZENE 16.691 146 473972 12.2176 PPBV 100 101) SEC-BUTYLBENZENE 16.691 146 473972 12.2176 PPBV 100 101) SEC-BUTYLBENZ	66)	TOLUENE	7.190	91	503/12	10.3553 PPBV 100
1, 2-TRICHLOROFIANE   0.803   75   22187   10.0992 PPBV   98   99   11, 2-TRICHLOROFHANE   7.756   58   179338   8.2692 PPBV   98   70   2-HEXANONE   7.756   58   179338   8.2692 PPBV   91   71   ETHYL METHACRYLATE   7.891   69   254070   9.7742 PPBV   93   72   TETRACHLOROFHENE   8.907   164   200647   10.8867 PPBV   97   73   DIBROMOCHLOROMETHANE   8.907   164   200647   10.8867 PPBV   99   77   11, 12-DIBROMOETHANE   8.058   107   283887   11.5979 PPBV   100   75   0CTANE   9.058   43   303340   9.2029 PBBV   93   77   1, 1, 1, 2-TETRACHLOROFTHANE   10.125   131   228854   11.2019 PPBV   98   78   CHLOROBENZENE   10.125   131   228854   11.2019 PPBV   98   79   ETHYLBENZENE   10.987   91   686235   10.8996 PPBV   99   79   ETHYLBENZENE   11.418   91   1082945   21.9424 PPBV   98   79   2747818   12.135   104   413141   11.6377 PPBV   99   79   79   79   79   79   79   7	60)	TRANC 1 2 DIGILODODODENE	7.240	7 G	254079	11.1041 PPBV 100
70) 2-HEXANONE 7.756 58 179338 8.2692 PPBV 91 71) ETHYL METHACRYLATE 7.891 69 254070 9.7742 PBBV 93 72) TETRACHLOROETHANE 7.720 129 304868 10.8524 PPBV 97 73) DIBROMOCHLOROMETHANE 7.720 129 304868 10.8524 PPBV 99 74) 1,2-DIBROMOCHLAROE 8.058 107 283887 11.5579 PPBV 100 75) OCTANE 9.058 43 303340 9.2029 PPBV 98 77) 1,1,1,2-TETRACHLOROETHANE 10.125 131 228854 11.2019 PPBV 98 78) CHLOROBENZENE 10.106 112 420716 11.3106 PPBV 98 79) ETHYLBENZENE 10.987 91 686235 10.8996 PPBV 98 80) M,P-XYLENE 11.418 91 1082945 21.9424 PPBV 98 81) O-XYLENE 12.347 91 555957 11.2161 PPBV 98 83) NONANE 12.347 91 555957 11.2161 PPBV 99 84) STYRENE 12.135 104 413141 11.6377 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 405291 12.2861 PPBV 99 86) 1,2,3-TRICHLOROPROPANE 12.643 75 308545 11.7239 PPBV 100 88) ISOPROPYLBENZENE 13.862 120 206699 10.9153 PPBV 95 89) BROMOBENZENE 13.862 120 206699 10.9153 PPBV 100 90) 2-CHLOROTOLUENE 15.196 120 216266 11.2678 PPBV 100 91) N-PROPYLBENZENE 15.196 120 216266 11.2678 PPBV 100 91) N-PROPYLBENZENE 15.643 105 795431 11.5545 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 670427 11.5721 PPBV 98 94) ALPHA-METHYLSTYRENE 16.537 105 698690 11.9551 PPBV 98 95) TETR-BUTYLBENZENE 16.537 105 698690 11.9561 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 698690 11.9561 PPBV 98 97) BENZYL CHLORODE 16.6627 91 480245 9.2807 PPBV 98 98) M-DICHLOROBENZENE 16.537 105 698690 11.9561 PPBV 98 98) M-DICHLOROBENZENE 16.537 105 698690 11.9561 PPBV 98 99) P-DICHLOROBENZENE 16.6627 91 480245 9.2807 PPBV 98 91) P-DICHLOROBENZENE 16.6627 91 480245 9.2807 PPBV 98 92) A-STRIMETHYLBENZENE 16.537 105 678289 11.9479 PPBV 100 101) SEC-BUTYLBENZENE 16.6595 105 678289 11.5849 PPBV 100 102) 1,2,3-TRIMETHYLBENZENE 16.537 105 678289 11.9549 PPBV 100 101) SEC-BUTYLBENZENE 16.691 146 473972 12.2176 PPBV 98 104) N-BUTYLBENZENE 16.695 105 678289 11.5876 PPBV 98 105 HEXACHLOROBENZENE 17.392 134 223174 11.9250 PPBV 98 106) HEXACHLOROBENZENE 17.392 134 223174 11.9250 PPBV 98 106) HEXACHLOROBENZENE 18.318 180 418828 13.0185 PPBV 99 106) HEXACHLOROBE	60)	1 1 2 TRICHLOROPROPENE	6 020	02	2210// 1/0150	10.0952 PPBV 92
71) ETHYL METHACRYLATE 7.891 69 254070 9.7742 PPBV 93 72) TETRACHLOROETHENE 8.907 164 200647 10.8867 PPBV 97 73) DIBROMOCHLOROMETHANE 7.720 129 304868 10.8567 PPBV 97 74) 1,2-DIBROMOCHANE 8.058 107 283887 11.5979 PPBV 100 75) OCTANE 9.058 43 303340 9.2029 PPBV 93 77) 1,1,2-TETRACHLOROETHANE 10.125 131 228854 11.2019 PPBV 98 78 CHLOROBENZENE 10.106 112 420716 11.3106 PPBV 98 78 CHLOROBENZENE 10.987 91 686235 10.8996 PPBV 98 80) M,P-XYLENE 11.418 91 1082945 21.9424 PPBV 99 81 00.00 0.00 0.00 0.00 0.00 0.00 0.00	701	1,1,2-IKICHLOROEIHANE 2_UFYANONE	7 756	ο 3 5 Q	170220	9 2692 DDD77 90
72) TETRACHLOROETHENE 8.907 164 200647 10.8867 PPBV 97 73) DIBROMOCHLOROMETHANE 7.720 129 304868 10.8524 PPBV 99 74) 1,2-DIBROMOETHANE 8.058 107 283887 11.5979 PPBV 100 75) OCTANE 9.058 43 303340 9.2029 PPBV 93 77) 1,1,1,2-TETRACHLOROETHANE 10.125 131 228854 11.2019 PPBV 98 78) CHLOROBENZENE 10.106 112 420716 11.3106 PPBV 98 78) ETHYLBENZENE 10.987 91 686235 10.8996 PPBV 99 80) M,P-XYLENE 11.418 91 1082945 21.9424 PPBV 98 81) O-XYLENE 12.347 91 555957 11.2161 PPBV 99 82) STYRENE 12.135 104 413141 11.6377 PPBV 99 83) NONANE 13.469 43 325162 9.5503 PPBV 99 84) BROMOFORM 11.225 173 293535 11.9784 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 405291 12.2861 PPBV 99 86) 1,2,3-TRICHLOROPROPANE 12.643 75 308545 11.7239 PPBV 100 88) ISOPROPYLBENZENE 13.862 120 206699 10.9153 PPBV 95 89) BROMOBENZENE 13.723 77 389858 11.9784 PPBV 99 90) 2-CHLOROTOLUENE 14.852 126 187412 10.8795 PPBV 100 91) N-PROPYLBENZENE 15.196 120 216266 11.2678 PPBV 100 92) 4-ETHYLTOLUENE 15.643 105 795431 11.5545 PPBV 99 93) 1,3,5-TRIMETHYLDENZENE 15.196 120 216266 11.2678 PPBV 100 92) 4-ETHYLTOLUENE 15.643 105 795431 11.5545 PPBV 98 94) ALPHA-METHYLDENZENE 15.643 105 795431 11.5545 PPBV 98 95) TERT-BUTYLBENZENE 16.530 134 165250 11.9177 PPBV 98 96) 1,2,4-TRIMETHYLDENZENE 16.537 105 698690 11.9561 PPBV 98 97) BENZYL CHORDE 16.627 91 480245 11.9177 PPBV 98 98) M-DICHLOROBENZENE 16.530 134 165250 11.9177 PPBV 98 98) M-DICHLOROBENZENE 16.650 134 165250 11.9177 PPBV 98 98) M-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 100) O-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 101) SEC-BUTYLBENZENE 16.695 105 678289 11.9561 PPBV 98 103) P-JSOROPYLBENZENE 16.695 105 678289 11.9561 PPBV 98 104) N-BUTYLBENZENE 16.697 134 223734 11.9925 PPBV 100 102) 1,2,3-TRIMETHYLBENZENE 16.537 105 698690 11.9561 PPBV 98 104) N-BUTYLBENZENE 16.697 134 223734 11.9925 PPBV 90 105) HEXACHLOROBENZENE 16.697 134 223734 11.9925 PPBV 90 106) HEXACHLOROBENZENE 17.392 134 223174 11.99250 PPBV 90 106) HEXACHLOROBENZENE 18.386 128 840419 11.7199 PPBV 90 107) 1,2,4-TRICHLOROB	70)	ETHVI METHACRVIATE	7.730	69	254070	9 7742 DDRV 93
73) DIBROMOCHLOROMETHANE 7.720 129 304868 10.8524 PPBV 99 74) 1,2-DIBROMOCHLOROMETHANE 8.058 107 283887 11.5979 PPBV 100 750 CCTANE 9.058 43 303340 9.2029 PPBV 93 77) 1,1,1,2-TETRACHLOROETHANE 10.125 131 228854 11.2019 PPBV 98 78 CHLOROBENZENE 10.106 112 420716 11.3106 PPBV 98 79 ETHYLBENZENE 10.987 91 686235 10.8996 PPBV 99 80) M,P-XYLENE 11.418 91 1082945 21.9424 PPBV 98 81) O-XYLENE 12.347 91 555957 11.2161 PPBV 99 82) STYRENE 12.347 91 555957 11.2161 PPBV 99 832) STYRENE 12.345 104 413141 11.6377 PPBV 99 84) BROMOFORM 13.469 43 325162 9.5503 PPBV 94 84) BROMOFORM 11.225 173 293535 11.9784 PPBV 99 86) 1,2,2-TETRACHLOROETHANE 12.360 83 405291 12.2861 PPBV 99 86) 1,2,3-TRICHLOROPROPANE 12.643 75 308545 11.7239 PPBV 100 88) ISOPROPYLBENZENE 13.862 120 206699 10.9153 PPBV 95 89) BROMOBENZENE 13.862 120 206699 10.9153 PPBV 95 99 100 2-CHLOROTOLUENE 14.852 1266 187412 10.8795 PPBV 100 90) 2-CHLOROTOLUENE 14.852 1266 187412 10.8795 PPBV 100 91) N-PROPYLBENZENE 15.196 120 216266 11.2678 PPBV 99 93 1,3,5-TRIMETHYLDENZENE 15.913 105 670427 11.5721 PPBV 99 93 1,3,5-TRIMETHYLDENZENE 16.215 118 331669 11.2097 PPBV 98 95) TERT-BUTYLBENZENE 16.537 105 698690 11.9153 PPBV 98 95) TERT-BUTYLBENZENE 16.593 146 448322 11.7493 PPBV 100 99 P-DICHLOROBENZENE 16.657 91 480245 9.2807 PPBV 98 97) BENZYL CHLORIDE 16.627 91 480245 9.2807 PPBV 98 97) BENZYL CHLORIDE 16.657 91 480245 9.2807 PPBV 98 99 91 CHLOROBENZENE 16.598 146 468322 11.7493 PPBV 100 100 0-DICHLOROBENZENE 16.695 146 449744 11.9493 PPBV 100 101 SEC-BUTYLBENZENE 16.695 146 449744 11.9493 PPBV 100 101 SEC-BUTYLBENZENE 16.695 134 227739 11.8894 PPBV 98 103) P-ISOPROPYLTOLUENE 17.392 134 223174 11.9250 PPBV 98 105 (6) HEXACHLOROBENZENE 17.392 134 223174 11.9250 PPBV 98 105 (6) HEXACHLOROBENZENE 17.392 134 223174 11.9250 PPBV 98 105 (6) HEXACHLOROBENZENE 17.392 134 223174 11.9250 PPBV 98 105 (6) HEXACHLOROBENZENE 18.388 80419 11.7699 PPBV 90 100 107) 1,2,4-TRICHLORDENZENE 18.388 80419 11.7699 PPBV 90 100 107) 1,2,4-TRICHLORDENZENE 18.388 80419 11.7699 PPBV 90 100 100 0-DICHL	72)	TETRACHI.OROETHENE	8 907	164	200647	10 8867 DDBV 97
74) 1,2-DIBROMOETHANE 8.058 107 283887 11.5979 PPBV 100 75) OCTANE 9.058 43 303340 9.2029 PPBV 93 77) 1,1,2-TETRACHLOROETHANE 10.125 131 228854 11.2019 PPBV 98 78) CHLOROBENZENE 10.106 112 420716 11.3106 PPBV 98 78) ETHYLBENZENE 10.987 91 686235 10.8996 PPBV 98 80) M,P-XYLENE 11.418 91 1082945 21.9424 PPBV 98 81) O-XYLENE 12.347 91 5555957 11.2161 PPBV 99 82) STYRENE 12.135 104 413141 11.6377 PPBV 99 83) NONANE 13.469 43 325162 9.5503 PPBV 94 84) BROMOFORM 11.225 173 293535 11.9784 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.643 75 308545 11.7239 PPBV 99 86) 1,2,3-TRICHLOROPROPANE 12.643 75 308545 11.7239 PPBV 99 88) ISOPROPYLBENZENE 13.862 120 206699 10.9153 PPBV 95 89) BROMOBENZENE 13.862 120 206699 10.9153 PPBV 95 89) BROMOBENZENE 13.852 126 187412 10.8795 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 187412 10.8795 PPBV 100 91) N-PROPYLBENZENE 15.196 120 216266 11.2678 PPBV 100 92) 4-ETHYLTOLUENE 15.643 105 795431 11.5545 PPBV 99 93) 1,3,5-TERMETHYLBENZENE 15.643 105 795431 11.5545 PPBV 99 94) ALPHA-METHYLSTYRENE 16.537 105 670427 11.5721 PPBV 98 94) ALPHA-METHYLSTYRENE 16.537 105 698690 11.99561 PPBV 98 95) TERT-BUTYLBENZENE 16.537 105 698690 11.99561 PPBV 98 96) 1,2,4-TERMETHYLBENZENE 16.537 105 698690 11.99561 PPBV 98 97) BENZYL CHLORIDE 16.627 91 480245 9.2807 PPBV 98 98) M-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 98 99) M-DICHLOROBENZENE 16.695 105 678289 11.5876 PPBV 98 99) M-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 98 101) SEC-BUTYLBENZENE 16.839 134 226749 11.5876 PPBV 98 102) 1,2,3-TERMETHYLBENZENE 16.839 134 226749 11.5876 PPBV 98 103) P-ISOPROPYLTOLUENE 17.029 134 227739 11.8894 PPBV 100 101) SEC-BUTYLBENZENE 16.895 105 678289 11.5876 PPBV 98 104) N-BUTYLBENZENE 16.830 225 373605 13.3440 PPBV 99 105) HEXACHLOROBENZENE 17.029 134 227739 11.8894 PPBV 90 106) HEXACHLOROBENZENE 18.630 225 373605 13.3440 PPBV 90 107) 1,2,4-TRICHLOROBENZENE 18.630 225 373605 13.3440 PPBV 90 106) HEXACHLOROBENZENE 18.366 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 100) TVHC as equiv	73)	DIBROMOCHLOROMETHANE	7.720	129	304868	10.8524 PPBV 99
75) OCTANE 9.058 43 303340 9.2029 PPBV 93 77) 1,1,1,2-TETRACHLOROETHANE 10.125 131 228854 11.2019 PPBV 98 78) CHLOROBENZENE 10.106 112 420716 11.3106 PPBV 98 79) ETHYLBENZENE 10.987 91 686235 10.8996 PPBV 99 80) M,P-XYLENE 11.418 91 1082945 21.9424 PPBV 98 81) O-XYLENE 12.347 91 555957 11.2161 PPBV 99 82) STYRENE 12.135 104 41.3141 11.6377 PPBV 99 83) NONANE 13.469 43 325162 9.5503 PPBV 94 84) BROMOFORM 11.225 173 293535 11.9784 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 405291 12.2861 PPBV 99 86) 1,2,3-TRICHLOROPROPANE 12.643 75 308545 11.7239 PPBV 100 88) ISOPROPYLBENZENE 13.862 120 206699 10.9153 PPBV 95 89) BROMOBENZENE 13.723 77 389858 11.0440 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 187412 10.8795 PPBV 100 91) N-PROPYLBENZENE 15.196 120 216266 11.2678 PPBV 100 92) 4-ETHYLTOLUENE 15.643 105 795431 11.5545 PPBV 100 92) 4-ETHYLTOLUENE 15.643 105 795431 11.5545 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 670427 11.5751 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 331669 11.2097 PPBV 98 95) TERT-BUTYLBENZENE 16.530 134 165250 11.9177 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.657 105 698690 11.9561 PPBV 98 97) BENZYL CHLORIDE 16.627 91 480245 9.2807 PPBV 98 97) BENZYL CHLOROBENZENE 16.658 146 468322 11.7493 PPBV 100 100) O-DICHLOROBENZENE 16.659 146 449744 11.9493 PPBV 100 101) SEC-BUTYLBENZENE 16.659 146 473972 12.2176 PPBV 98 103) P-ISOPROPYLTOLUENE 17.009 146 449744 11.9493 PPBV 100 101) SEC-BUTYLBENZENE 16.659 134 223774 11.9561 PPBV 98 103) P-ISOPROPYLTOLUENE 17.029 134 223774 11.9493 PPBV 100 101) SEC-BUTYLBENZENE 16.659 105 678289 11.5876 PPBV 98 103) P-ISOPROPYLTOLUENE 17.029 134 223774 11.9493 PPBV 90 105) HEXACHLOROBENZENE 17.099 146 449744 11.9493 PPBV 90 106) HEXACHLOROBENZENE 17.099 136 223774 11.9250 PPBV 98 107) HEXACHLOROBENZENE 18.630 225 373605 13.3440 PPBV 90 108) NAPHTHALENE 18.860 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 18.860 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 18.861 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 18.861 18.861 18.861 18.861 19.961 PPBV 99 110) TVHC as equiv Penta	74)	1.2-DIBROMOETHANE	8.058	107	283887	11.5979 PPBV 100
77) 1,1,1,2-TETRACHLOROETHANE 10.125 131 228854 11.2019 PPBV 98 78) CHLOROBENZENE 10.106 112 420716 11.3106 PPBV 98 79) ETHYLBENZENE 10.987 91 686235 10.8996 PPBV 99 80) M,P-XYLENE 11.418 91 1082945 21.9424 PPBV 98 81) O-XYLENE 12.347 91 555957 11.2161 PPBV 99 82) STYRENE 12.135 104 413141 11.6377 PPBV 99 83) NONANE 13.469 43 325162 9.5503 PPBV 94 84) BROMOFORM 11.225 173 293535 11.9784 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 405291 12.2861 PPBV 99 86) 1,2,3-TRICHLOROPROPANE 12.643 75 308545 11.7239 PPBV 100 88) ISOPROPYLBENZENE 13.862 120 206699 10.9153 PPBV 95 89) BROMOBENZENE 13.723 77 389858 11.0440 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 187412 10.8795 PPBV 100 91) N-PROPYLBENZENE 15.196 120 216266 11.2678 PPBV 100 92) 4-ETHYLTOLUENE 15.643 105 795431 11.5741 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 670427 11.5721 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 331669 11.2097 PPBV 98 95) TERT-BUTYLBENZENE 16.537 105 698690 11.9177 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 698690 11.9177 PPBV 98 97) BENZYL CHLORIDE 16.627 91 480245 9.2807 PPBV 98 98) M-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 101) SEC-BUTYLBENZENE 16.695 105 678289 11.5876 PPBV 100 102) 1,2,3-TRIMETHYLBENZENE 16.839 134 228646 11.949 PPBV 98 103) P-ISOPROPYLTOLUENE 17.099 146 449744 11.9493 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 228739 11.8889 PPBV 100 102) 1,2,3-TRIMETHYLBENZENE 16.839 134 228749 PPBV 98 103) P-ISOPROPYLTOLUENE 17.099 146 449744 11.9493 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 228739 11.8894 PPBV 98 104) N-BUTYLBENZENE 16.839 134 228739 11.8894 PPBV 98 105) HEXACHLOROBENZENE 17.092 134 227739 11.8894 PPBV 98 106) HEXACHLOROBENZENE 18.630 225 373605 13.3440 PPBV 98 107) 1,2,4-TRICHLOROBENZENE 18.630 225 373605 13.3440 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99	75)	OCTANE	9.058	43	303340	9.2029 PPBV 93
78) CHLOROBENZENE 10.106 112 420716 11.3106 PPBV 98 79) ETHYLBENZENE 10.987 91 686235 10.8996 PPBV 99 80) M, P-XYLENE 11.418 91 1082945 21.9424 PPBV 98 81) O-XYLENE 12.347 91 555957 11.2161 PPBV 99 82) STYRENE 12.135 104 413141 11.6377 PPBV 99 83) NONANE 13.469 43 325162 9.5503 PPBV 94 84) BROMOFORM 11.225 173 293535 11.9784 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 405291 12.2861 PPBV 99 86) 1,2,3-TRICHLOROPROPANE 12.643 75 308545 11.7239 PPBV 100 88) ISOPROPYLBENZENE 13.862 120 206699 10.9153 PPBV 95 89) BROMOBENZENE 13.723 77 389858 11.0440 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 187412 10.8795 PPBV 100 91) N-PROPYLBENZENE 15.196 120 216266 11.2678 PPBV 100 92) 4-ETHYLTOLUENE 15.643 105 795431 11.5545 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 670427 11.5721 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 331669 11.2097 PPBV 98 95) TERT-BUTYLBENZENE 16.530 134 165250 11.9177 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.530 134 165250 11.9177 PPBV 98 97) BENZYL CHLORIDE 16.627 91 480245 9.2807 PPBV 98 98 M-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 102) 1,2,3-TRIMETHYLBENZENE 16.839 134 208646 12.0749 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 228646 12.0749 PPBV 98 103) P-ISOPROPYLICUENE 17.009 146 449744 11.9493 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 228646 12.0749 PPBV 98 103) P-ISOPROPYLTOLUENE 17.029 134 223174 11.9250 PPBV 98 104) N-BUTYLBENZENE 16.839 134 228646 12.0749 PPBV 98 105) HEXACHLOROBENZENE 17.392 134 223174 11.9250 PPBV 98 106) HEXACHLOROBENZENE 17.392 134 223174 11.9250 PPBV 98 107) HEXACHLOROBENZENE 17.392 134 223174 11.9250 PPBV 98 106) HEXACHLOROBENZENE 17.392 134 223174 11.9250 PPBV 98 107) NAPHTHALEEE 18.630 225 373605 13.3440 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.630 225 373605 13.3440 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 418828 13.0185 PPBV 99 108) NAPHTHALEEE 18.366 128 840419 11.7699 PPBV 99	77)	1,1,1,2-TETRACHLOROETHANE	10.125	131	228854	11.2019 PPBV 98
Thylbenzene	78)	CHLOROBENZENE	10.106	112	420716	11.3106 PPBV 98
80) M,P-XYLENE 11.418 91 1082945 21.9424 PPBV 98 81) O-XYLENE 12.347 91 555957 11.2161 PPBV 99 82) STYRENE 12.135 104 413141 11.6377 PPBV 99 83) NONANE 13.469 43 325162 9.5503 PPBV 94 84) BROMOFORM 11.225 173 293535 11.9784 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 405291 12.2861 PPBV 99 86) 1,2,3-TRICHLOROPROPANE 12.643 75 308545 11.7239 PPBV 100 88) ISOPROPYLBENZENE 13.862 120 206699 10.9153 PPBV 95 89) BROMOBENZENE 13.862 120 206699 10.9153 PPBV 95 89) BROMOBENZENE 13.723 77 389858 11.0440 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 187412 10.8795 PPBV 100 91) N-PROPYLBENZENE 15.196 120 216266 11.2678 PPBV 100 92) 4-ETHYLTOLUENE 15.643 105 795431 11.5545 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.643 105 795431 11.5721 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 331669 11.2097 PPBV 98 95) TERT-BUTYLBENZENE 16.537 105 670427 11.5721 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 698690 11.9177 PPBV 98 97) BENZYL CHLORIDE 16.627 91 480245 9.2807 PPBV 100 99) P-DICHLOROBENZENE 16.598 146 468322 11.7493 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 98 98 M-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 98 100 100 O-DICHLOROBENZENE 16.839 134 208646 12.0749 PPBV 100 101 SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 98 103) P-ISOPROPYLTOLUENE 17.029 134 227739 11.8894 PPBV 98 103) P-ISOPROPYLTOLUENE 17.029 134 227739 11.8894 PPBV 98 104) N-BUTYLBENZENE 16.839 134 228646 12.0749 PPBV 98 104) N-BUTYLBENZENE 17.392 134 223174 11.9250 PPBV 98 104) N-BUTYLBENZENE 17.392 134 223174 11.9250 PPBV 98 104) N-BUTYLBENZENE 17.392 134 223174 11.9250 PPBV 98 105) HEXACHLOROBENZENE 17.392 134 223174 11.9250 PPBV 98 105) HEXACHLOROBENZENE 17.392 134 223174 11.9250 PPBV 99 106) HEXACHLOROBENZENE 17.392 134 223174 11.9250 PPBV 99 106) HEXACHLOROBENZENE 18.386 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 28.2274 TIC 617537 10.9092 PPBV 100	79)	ETHYLBENZENE	10.987	91	686235	10.8996 PPBV 99
81) O-XYLENE	80)	M,P-XYLENE	11.418	91	1082945	21.9424 PPBV 98
82) STYRENE	81)	O-XYLENE	12.347	91	555957	11.2161 PPBV 99
83) NOMANE 84) BROMOFORM 11.225 173 293535 11.9784 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 405291 12.2861 PPBV 99 86) 1,2,3-TRICHLOROPROPANE 12.643 75 308545 11.7239 PPBV 100 88) ISOPROPYLBENZENE 13.862 120 206699 10.9153 PPBV 95 89) BROMOBENZENE 13.723 77 389858 11.0440 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 187412 10.8795 PPBV 100 91) N-PROPYLBENZENE 15.196 120 216266 11.2678 PPBV 100 92) 4-ETHYLTOLUENE 15.643 105 795431 11.5545 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 670427 11.5721 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 331669 11.2097 PPBV 98 95) TERT-BUTYLBENZENE 16.530 134 165250 11.9177 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 698690 11.9561 PPBV 98 97) BENZYL CHLORIDE 16.627 91 480245 9.2807 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 468322 11.7493 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 100) O-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 101) SEC-BUTYLBENZENE 16.695 105 678289 11.5876 PPBV 100 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 678289 11.5876 PPBV 98 103) P-ISOPROPYLTOLUENE 17.029 134 227739 11.8894 PPBV 98 104) N-BUTYLBENZENE 16.955 105 678289 11.8894 PPBV 98 105) HEXACHLOROBETHENE 17.029 134 223174 11.9250 PPBV 98 106) HEXACHLOROBETHENE 17.572 117 261169 11.7139 PPBV 96 106) HEXACHLOROBETHENE 18.630 225 373605 13.3440 PPBV 96 107) 1,2,4-TRICHLOROBENZENE 18.318 180 418828 13.0185 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 418828 13.0185 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 100) TVHC as equiv Pentane 2.274 TIC 617537 10.9092 PPBV 100	82)	STYRENE	12.135	104	413141	11.6377 PPBV 99
84) BROMOFORM 11.225 173 293535 11.9784 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 405291 12.2861 PPBV 99 86) 1,2,3-TRICHLOROPROPANE 12.643 75 308545 11.7239 PPBV 100 88) ISOPROPYLBENZENE 13.862 120 206699 10.9153 PPBV 95 89) BROMOBENZENE 13.723 77 389858 11.0440 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 187412 10.8795 PPBV 100 91) N-PROPYLBENZENE 15.196 120 216266 11.2678 PPBV 100 92) 4-ETHYLTOLUENE 15.643 105 795431 11.5545 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 670427 11.5721 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 331669 11.2097 PPBV 98 95) TERT-BUTYLBENZENE 16.530 134 165250 11.9177 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.530 134 165250 11.9177 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 698690 11.9561 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 468322 11.7493 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 100) O-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 98 103) P-ISOPROPYLTOLUENE 17.009 146 449744 11.9493 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 98 103) P-ISOPROPYLTOLUENE 17.029 134 227739 11.8894 PPBV 98 104) N-BUTYLBENZENE 16.855 105 678289 11.5876 PPBV 98 105) HEXACHLOROBUTADIENE 17.572 117 261169 11.7139 PPBV 96 106) HEXACHLOROBUTADIENE 18.630 225 373605 13.3440 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 418828 13.0185 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 22774 TIC 617537 10.9092 PPBV 100	83)	NONANE	13.469	43	325162	9.5503 PPBV 94
85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 405291 12.2861 PPBV 99 86) 1,2,3-TRICHLOROPROPANE 12.643 75 308545 11.7239 PPBV 100 88) ISOPROPYLBENZENE 13.862 120 206699 10.9153 PPBV 95 89) BROMOBENZENE 13.723 77 389858 11.0440 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 187412 10.8795 PPBV 100 91) N-PROPYLBENZENE 15.196 120 216266 11.2678 PPBV 100 92) 4-ETHYLTOLUENE 15.643 105 795431 11.5545 PPBV 99 31,3,5-TRIMETHYLBENZENE 15.913 105 670427 11.5721 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 331669 11.2097 PPBV 98 95) TERT-BUTYLBENZENE 16.530 134 165250 11.9177 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 698690 11.9561 PPBV 98 97) BENZYL CHLORIDE 16.6627 91 480245 9.2807 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 468322 11.7493 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 101) 1,2,3-TRIMETHYLBENZENE 16.955 105 678289 11.5876 PPBV 98 103) P-ISOPROPYLTOLUENE 17.029 134 227739 11.8894 PPBV 98 104) N-BUTYLBENZENE 17.392 134 223174 11.9250 PPBV 98 104) N-BUTYLBENZENE 17.392 134 223174 11.9250 PPBV 98 105) HEXACHLOROBENZENE 17.572 117 266169 11.7139 PPBV 96 106) HEXACHLOROBUTADIENE 18.366 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 100) TVHC as equiv Pentane 2.274 TIC 617537 10.9092 PPBV 100	84)	BROMOFORM	11.225	173	293535	11.9784 PPBV 99
86) 1,2,3-TRICHLOROPROPANE 12.643 75 308545 11.7239 PPBV 100 88) ISOPROPYLBENZENE 13.862 120 206699 10.9153 PPBV 95 89) BROMOBENZENE 13.723 77 389858 11.0440 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 187412 10.8795 PPBV 100 91) N-PROPYLBENZENE 15.196 120 216266 11.2678 PPBV 100 92) 4-ETHYLTOLUENE 15.643 105 795431 11.5545 PPBV 99 3) 1,3,5-TRIMETHYLBENZENE 15.913 105 670427 11.5721 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 331669 11.2097 PPBV 98 95) TERT-BUTYLBENZENE 16.530 134 165250 11.9177 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.530 134 165250 11.9177 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 698690 11.9561 PPBV 98 97) BENZYL CHLORIDE 16.627 91 480245 9.2807 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 468322 11.7493 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 678289 11.5876 PPBV 98 103) P-ISOPROPYLTOLUENE 17.029 134 227739 11.8894 PPBV 98 104) N-BUTYLBENZENE 16.955 105 678289 11.5876 PPBV 98 104) N-BUTYLBENZENE 17.392 134 223174 11.9250 PPBV 98 105 HEXACHLOROETHANE 17.572 177 261169 11.7139 PPBV 96 106) HEXACHLOROETHANE 17.572 177 261169 11.7139 PPBV 96 106) HEXACHLOROBENZENE 18.318 180 418828 13.0185 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 2.2774 TIC 617537 10.9092 PPBV 100	85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	405291	12.2861 PPBV 99
88) ISOPROPYLBENZENE 13.862 120 206699 10.9153 PPBV 95 89) BROMOBENZENE 13.723 77 389858 11.0440 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 187412 10.8795 PPBV 100 91) N-PROPYLBENZENE 15.196 120 216266 11.2678 PPBV 100 92) 4-ETHYLTOLUENE 15.643 105 795431 11.5545 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 670427 11.5721 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 331669 11.2097 PPBV 98 95) TERT-BUTYLBENZENE 16.530 134 165250 11.9177 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 698690 11.9561 PPBV 98 97) BENZYL CHLORIDE 16.627 91 480245 9.2807 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 468322 11.7493 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 678289 11.5876 PPBV 98 103) P-ISOPROPYLTOLUENE 17.029 134 227739 11.8894 PPBV 98 104) N-BUTYLBENZENE 17.392 134 223174 11.9250 PPBV 98 105) HEXACHLOROBENZENE 17.392 134 223174 11.9250 PPBV 98 106) HEXACHLOROBUTADIENE 18.630 225 373605 13.3440 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 418828 13.0185 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 100) TVHC as equiv Pentane 2.274 TIC 617537 10.9092 PPBV 100	86)	1,2,3-TRICHLOROPROPANE	12.643	75	308545	11.7239 PPBV 100
89) BROMOBENZENE 13.723 77 389858 11.0440 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 187412 10.8795 PPBV 100 91) N-PROPYLBENZENE 15.196 120 216266 11.2678 PPBV 100 92) 4-ETHYLTOLUENE 15.643 105 795431 11.5545 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 670427 11.5721 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 331669 11.2097 PPBV 98 95) TERT-BUTYLBENZENE 16.530 134 165250 11.9177 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 698690 11.9561 PPBV 98 97) BENZYL CHLORIDE 16.627 91 480245 9.2807 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 468322 11.7493 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 100) O-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 100) O-DICHLOROBENZENE 16.839 134 208646 12.0749 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 678289 11.5876 PPBV 98 103) P-ISOPROPYLTOLUENE 17.029 134 227739 11.8894 PPBV 98 104) N-BUTYLBENZENE 17.392 134 223174 11.9250 PPBV 98 105) HEXACHLOROBENZENE 17.572 117 261169 11.7139 PPBV 96 106) HEXACHLOROBUTADIENE 18.630 225 373605 13.3440 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 418828 13.0185 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 100) TVHC as equiv Pentane 2.274 TIC 617537 10.9092 PPBV 100	88)	ISOPROPYLBENZENE	13.862	120	206699	10.9153 PPBV 95
91) Z-CHLOROTOLUENE 14.852 126 187412 10.8795 PPBV 100 91) N-PROPYLBENZENE 15.196 120 216266 11.2678 PPBV 100 92) 4-ETHYLTOLUENE 15.643 105 795431 11.5545 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 670427 11.5721 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 331669 11.2097 PPBV 98 95) TERT-BUTYLBENZENE 16.530 134 165250 11.9177 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 698690 11.9561 PPBV 98 97) BENZYL CHLORIDE 16.627 91 480245 9.2807 PPBV 98 98 M-DICHLOROBENZENE 16.598 146 468322 11.7493 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 100) O-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 101) SEC-BUTYLBENZENE 16.955 105 678289 11.5876 PPBV 98 103) P-ISOPROPYLTOLUENE 17.009 134 227739 11.8894 PPBV 98 104) N-BUTYLBENZENE 17.392 134 223174 11.9250 PPBV 98 105) HEXACHLOROBETHANE 17.572 117 261169 11.7139 PPBV 96 106) HEXACHLOROBUTADIENE 18.630 225 373605 13.3440 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 110) TVHC as equiv Pentane 2.274 TIC 617537 10.9092 PPBV 100	89)	BROMOBENZENE	13.723	100	389858	11.0440 PPBV 100
91) N-PROPYLBENZENE 15.196 120 210206 11.2678 PPBV 100 92) 4-ETHYLTOLUENE 15.643 105 795431 11.5545 PPBV 99 93 1,3,5-TRIMETHYLBENZENE 15.913 105 670427 11.5721 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 331669 11.2097 PPBV 98 95) TERT-BUTYLBENZENE 16.530 134 165250 11.9177 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 698690 11.9561 PPBV 98 97) BENZYL CHLORIDE 16.627 91 480245 9.2807 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 468322 11.7493 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 100) O-DICHLOROBENZENE 17.009 146 449744 11.9493 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 678289 11.5876 PPBV 98 103) P-ISOPROPYLTOLUENE 17.029 134 227739 11.8894 PPBV 98 104) N-BUTYLBENZENE 17.392 134 223174 11.9250 PPBV 98 104) N-BUTYLBENZENE 17.392 134 223174 11.9250 PPBV 98 105) HEXACHLOROBETANE 17.572 117 261169 11.7139 PPBV 96 106) HEXACHLOROBUTADIENE 18.630 225 373605 13.3440 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 418828 13.0185 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 110) TVHC as equiv Pentane 2.274 TIC 617537 10.9092 PPBV 100	90)	Z-CHLOROTOLUENE	14.852	126	187412	10.8795 PPBV 100
93) 1,3,5-TRIMETHYLBENZENE 15.913 105 670427 11.5721 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 331669 11.2097 PPBV 98 95) TERT-BUTYLBENZENE 16.530 134 165250 11.9177 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 698690 11.9561 PPBV 98 97) BENZYL CHLORIDE 16.627 91 480245 9.2807 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 468322 11.7493 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 100) O-DICHLOROBENZENE 17.009 146 449744 11.9493 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 102) 1,2,3-TRIMETHYLBENZENE 16.839 134 208646 12.0749 PPBV 100 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 678289 11.5876 PPBV 98 103) P-ISOPROPYLTOLUENE 17.029 134 227739 11.8894 PPBV 98 104) N-BUTYLBENZENE 17.392 134 223174 11.9250 PPBV 94 105) HEXACHLOROBETHANE 17.572 117 261169 11.7139 PPBV 96 106) HEXACHLOROBUTADIENE 18.630 225 373605 13.3440 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 418828 13.0185 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 110) TVHC as equiv Pentane 2.274 TIC 617537 10.9092 PPBV 100	91)	N-PROPYLBENZENE	15.196	105	Z10Z00	11.20/8 PPBV 100
94) ALPHA-METHYLSTYRENE 16.215 118 331669 11.2097 PPBV 98 95) TERT-BUTYLBENZENE 16.530 134 165250 11.9177 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 698690 11.9561 PPBV 98 97) BENZYL CHLORIDE 16.627 91 480245 9.2807 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 468322 11.7493 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 100) O-DICHLOROBENZENE 16.691 146 449744 11.9493 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 678289 11.5876 PPBV 98 103) P-ISOPROPYLTOLUENE 17.029 134 227739 11.8894 PPBV 98 104) N-BUTYLBENZENE 17.392 134 223174 11.9250 PPBV 98 105) HEXACHLOROBETANE 17.572 117 261169 11.7139 PPBV 96 106) HEXACHLOROBUTADIENE 18.630 225 373605 13.3440 PPBV 90 107) 1,2,4-TRICHLOROBENZENE 18.318 180 418828 13.0185 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 110) TVHC as equiv Pentane 2.274 TIC 617537 10.9092 PPBV 100	92)	1 2 F TO IMPULIATE DENIZENE	15.043	105	795431 670437	11.5545 PPBV 99
95 TERT-BUTYLBENZENE 16.530 134 165250 11.9177 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 698690 11.9561 PPBV 98 97) BENZYL CHLORIDE 16.627 91 480245 9.2807 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 468322 11.7493 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 100) O-DICHLOROBENZENE 17.009 146 449744 11.9493 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 678289 11.5876 PPBV 98 103) P-ISOPROPYLTOLUENE 17.029 134 227739 11.8894 PPBV 98 104) N-BUTYLBENZENE 17.392 134 223174 11.9250 PPBV 94 105) HEXACHLOROBETHANE 17.572 117 261169 11.7139 PPBV 96 106) HEXACHLOROBUTADIENE 18.630 225 373605 13.3440 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.318 180 418828 13.0185 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 110) TVHC as equiv Pentane 2.274 TIC 617537 10.9092 PPBV 100	93)	T, S, S-IKIMEINILDENZENE	16 215	110	221660	11.3721 PPBV 90
96) 1,2,4-TRIMETHYLBENZENE 16.537 105 698690 11.9561 PPBV 98 97) BENZYL CHLORIDE 16.627 91 480245 9.2807 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 468322 11.7493 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 100) O-DICHLOROBENZENE 17.009 146 449744 11.9493 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 678289 11.5876 PPBV 98 103) P-ISOPROPYLTOLUENE 17.029 134 227739 11.8894 PPBV 98 104) N-BUTYLBENZENE 17.392 134 223174 11.9250 PPBV 98 105) HEXACHLOROBETHANE 17.572 117 261169 11.7139 PPBV 96 106) HEXACHLOROBUTADIENE 18.630 225 373605 13.3440 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 418828 13.0185 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 110) TVHC as equiv Pentane 2.274 TIC 617537 10.9092 PPBV 100	95)	TERT-RUTYLBENZENE	16 530	134	165250	11 9177 DDRV 98
97) BENZYL CHLORIDE 16.627 91 480245 9.2807 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 468322 11.7493 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 100) O-DICHLOROBENZENE 17.009 146 449744 11.9493 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 678289 11.5876 PPBV 98 103) P-ISOPROPYLTOLUENE 17.029 134 227739 11.8894 PPBV 98 104) N-BUTYLBENZENE 17.392 134 223174 11.9250 PPBV 94 105) HEXACHLOROBETHANE 17.572 117 261169 11.7139 PPBV 96 106) HEXACHLOROBUTADIENE 18.630 225 373605 13.3440 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 418828 13.0185 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 110) TVHC as equiv Pentane 2.274 TIC 617537 10.9092 PPBV 100	96)	1.2.4-TRIMETHYLBENZENE	16.537	105	698690	11.9561 PPBV 98
98) M-DICHLOROBENZENE 16.598 146 468322 11.7493 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 100) O-DICHLOROBENZENE 17.009 146 449744 11.9493 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 678289 11.5876 PPBV 98 103) P-ISOPROPYLTOLUENE 17.029 134 227739 11.8894 PPBV 98 104) N-BUTYLBENZENE 17.392 134 223174 11.9250 PPBV 94 105) HEXACHLOROBETHANE 17.572 117 261169 11.7139 PPBV 96 106) HEXACHLOROBUTADIENE 18.630 225 373605 13.3440 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 418828 13.0185 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 110) TVHC as equiv Pentane 2.274 TIC 617537 10.9092 PPBV 100	97)	BENZYL CHLORIDE	16.627	91	480245	9.2807 PPBV 98
99) P-DICHLOROBENZENE 16.691 146 473972 12.2176 PPBV 100 100) O-DICHLOROBENZENE 17.009 146 449744 11.9493 PPBV 100 101) SEC-BUTYLBENZENE 16.839 134 208646 12.0749 PPBV 100 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 678289 11.5876 PPBV 98 103) P-ISOPROPYLTOLUENE 17.029 134 227739 11.8894 PPBV 98 104) N-BUTYLBENZENE 17.392 134 223174 11.9250 PPBV 94 105) HEXACHLOROBETHANE 17.572 117 261169 11.7139 PPBV 96 106) HEXACHLOROBUTADIENE 18.630 225 373605 13.3440 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 418828 13.0185 PPBV 99 108) NAPHTHALENE 18.366 128 840419 11.7699 PPBV 99 110) TVHC as equiv Pentane 2.274 TIC 617537 10.9092 PPBV 100	98)	M-DICHLOROBENZENE	16.598	146	468322	11.7493 PPBV 100
100)       O-DICHLOROBENZENE       17.009       146       449744       11.9493       PPBV       100         101)       SEC-BUTYLBENZENE       16.839       134       208646       12.0749       PPBV       100         102)       1,2,3-TRIMETHYLBENZENE       16.955       105       678289       11.5876       PPBV       98         103)       P-ISOPROPYLTOLUENE       17.029       134       227739       11.8894       PPBV       98         104)       N-BUTYLBENZENE       17.392       134       223174       11.9250       PPBV       94         105)       HEXACHLOROBETHANE       17.572       117       261169       11.7139       PPBV       96         106)       HEXACHLOROBUTADIENE       18.630       225       373605       13.3440       PPBV       100         107)       1,2,4-TRICHLOROBENZENE       18.318       180       418828       13.0185       PPBV       99         108)       NAPHTHALENE       18.366       128       840419       11.7699       PPBV       99         110)       TVHC as equiv Pentane       2.274       TIC       617537       10.9092       PPBV       100	99)	P-DICHLOROBENZENE	16.691	146	473972	12.2176 PPBV 100
101) SEC-BUTYLBENZENE       16.839       134       208646       12.0749 PPBV       100         102) 1,2,3-TRIMETHYLBENZENE       16.955       105       678289       11.5876 PPBV       98         103) P-ISOPROPYLTOLUENE       17.029       134       227739       11.8894 PPBV       98         104) N-BUTYLBENZENE       17.392       134       223174       11.9250 PPBV       94         105) HEXACHLOROETHANE       17.572       117       261169       11.7139 PPBV       96         106) HEXACHLOROBUTADIENE       18.630       225       373605       13.3440 PPBV       100         107) 1,2,4-TRICHLOROBENZENE       18.318       180       418828       13.0185 PPBV       99         108) NAPHTHALENE       18.366       128       840419       11.7699 PPBV       99         110) TVHC as equiv Pentane       2.274       TIC       617537       10.9092 PPBV       100	100)	O-DICHLOROBENZENE	17.009	146	449744	11.9493 PPBV 100
102)       1,2,3-TRIMETHYLBENZENE       16.955       105       678289       11.5876       PPBV       98         103)       P-ISOPROPYLTOLUENE       17.029       134       227739       11.8894       PPBV       98         104)       N-BUTYLBENZENE       17.392       134       223174       11.9250       PPBV       94         105)       HEXACHLOROETHANE       17.572       117       261169       11.7139       PPBV       96         106)       HEXACHLOROBUTADIENE       18.630       225       373605       13.3440       PPBV       100         107)       1,2,4-TRICHLOROBENZENE       18.318       180       418828       13.0185       PPBV       99         108)       NAPHTHALENE       18.366       128       840419       11.7699       PPBV       99         110)       TVHC as equiv Pentane       2.274       TIC       617537       10.9092       PPBV       100	101)	SEC-BUTYLBENZENE	16.839	134	208646	12.0749 PPBV 100
103) P-ISOPROPYLTOLUENE       17.029       134       227739       11.8894 PPBV       98         104) N-BUTYLBENZENE       17.392       134       223174       11.9250 PPBV       94         105) HEXACHLOROETHANE       17.572       117       261169       11.7139 PPBV       96         106) HEXACHLOROBUTADIENE       18.630       225       373605       13.3440 PPBV       100         107) 1,2,4-TRICHLOROBENZENE       18.318       180       418828       13.0185 PPBV       99         108) NAPHTHALENE       18.366       128       840419       11.7699 PPBV       99         110) TVHC as equiv Pentane       2.274       TIC       617537       10.9092 PPBV       100	102)	1,2,3-TRIMETHYLBENZENE	16.955	105	678289	11.5876 PPBV 98
104) N-BUTYLBENZENE       17.392       134       223174       11.9250 PPBV       94         105) HEXACHLOROETHANE       17.572       117       261169       11.7139 PPBV       96         106) HEXACHLOROBUTADIENE       18.630       225       373605       13.3440 PPBV       100         107) 1,2,4-TRICHLOROBENZENE       18.318       180       418828       13.0185 PPBV       99         108) NAPHTHALENE       18.366       128       840419       11.7699 PPBV       99         110) TVHC as equiv Pentane       2.274       TIC       617537       10.9092 PPBV       100	103)	P-ISOPROPYLTOLUENE	17.029	134	227739	11.8894 PPBV 98
105) HEXACHLOROETHANE       17.572       117       261169       11.7139       PPBV       96         106) HEXACHLOROBUTADIENE       18.630       225       373605       13.3440       PPBV       100         107) 1,2,4-TRICHLOROBENZENE       18.318       180       418828       13.0185       PPBV       99         108) NAPHTHALENE       18.366       128       840419       11.7699       PPBV       99         110) TVHC as equiv Pentane       2.274       TIC       617537       10.9092       PPBV       100	104)	N-BUTYLBENZENE	17.392	134	223174	11.9250 PPBV 94
106) HEXACHLOROBUTADIENE       18.630       225       373605       13.3440 PPBV       100         107) 1,2,4-TRICHLOROBENZENE       18.318       180       418828       13.0185 PPBV       99         108) NAPHTHALENE       18.366       128       840419       11.7699 PPBV       99         110) TVHC as equiv Pentane       2.274       TIC       617537       10.9092 PPBV       100	105)	HEXACHLOROETHANE	17.572	117	261169	11.7139 PPBV 96
107) 1,2,4-TRICHLOROBENZENE       18.318       180       418828       13.0185 PPBV       99         108) NAPHTHALENE       18.366       128       840419       11.7699 PPBV       99         110) TVHC as equiv Pentane       2.274       TIC       617537       10.9092 PPBV       100	106)	HEXACHLOROBUTADIENE	18.630	225	373605	13.3440 PPBV 100
108) NAPHTHALENE       18.366       128       840419       11.7699       PPBV       99         110) TVHC as equiv Pentane       2.274       TIC       617537       10.9092       PPBV       100	107)	1,2,4-TRICHLOROBENZENE	18.318	180	418828	13.0185 PPBV 99
110) TVHC as equiv Pentane 2.274 TIC 617537 10.9092 PPBV 100	108)	NAPHTHALENE	18.366	128	840419	11.7699 PPBV 99
	TT0)	TVHC as equiv Pentane	2.274	TIC	61/53/	10.9092 PPBV 100

Data Path : X:\Dayton VOA GCMS\kristelv\020425\v7w440\

Data File : 7w12380.D

Inst : MS7W

Acq On : 4 Feb 2025 10:47 am
Operator : williamc
Sample : bs
Misc : MS89217, v7w440,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 21:55:04 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via: Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min) (#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed) Quantitation Report

Data Path : X:\Dayton VOA GCMS\kristelv\020425\v7w440\

Data File: 7w12380.D

4 Feb 2025 10:47 am Acq On

: williamc Operator

: bs : MS7W Sample Inst

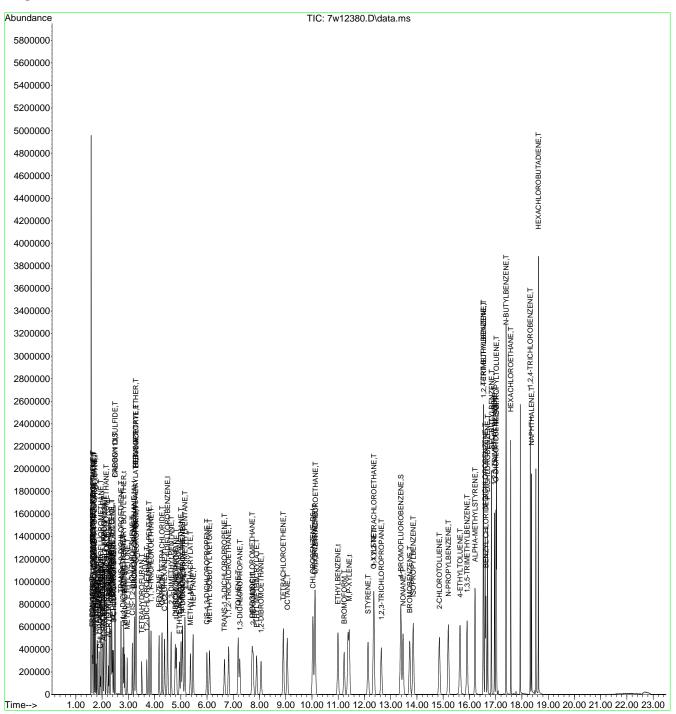
Misc : MS89217, v7w440,,,,,1 Sample Multiplier: 1 ALS Vial : 2

Quant Time: Feb 04 21:55:04 2025

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration



Data Path : X:\Dayton VOA GCMS\kristelv\020425\v7w440\

Data File : 7w12382.D

Acq On : 4 Feb 2025 12:07 pm Operator : williamc Sample : bsd Sample Inst : MS7W

Misc : MS89217, v7w440,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 21:55:29 2025

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via: Initial Calibration

near-onde via initial calibrat	. 011				
Compound	R.T.	QIon	Response	Conc Units Dev	(Min)
Internal Standards					
1) BROMOCHLOROMETHANE 52) 1,4-DIFLUOROBENZENE 76) CHLOROBENZENE-D5 109) BROMOCHLOROMETHANE (A)	3.225	128	137111	10.00 PPBV	0.00
52) 1.4-DIFLUOROBENZENE	4.492	114	703798	10.00 PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	654900	10.00 PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.225	128	137111	10.00 PPBV	0.00
System Monitoring Compounds	13.383				
87) 4-BROMOFLUOROBENZENE	13.383	95	509939	10.73 PPBV	0.00
Target Compounds				Oz	alue
2) FDFON 152N	1.627	65	65035	0 0603 DDD11	9.7
3) FREON 152A 4) CHLORODIFLUOROMETHANE	1.640	67	34107	10.2897 PPBV	99
5) CHLOROTRIFLUOROETHENE	1.650	116	167417	10.4854 PPBV	84
6) DICHLORODIFLUOROMETHANE	1.666	85	406475	11.8900 PPBV	97
7) PROPYLENE	1.647	41	72296	8.0349 PPBV	100
8) 1-CHLORO-1,1-DIFLUOROE	1.705	65	286843	11.3288 PPBV	95
9) FREON 114	1.737	85	351931	12.9781 PPBV	99
10) CHLOROMETHANE	1.711	52	36543	10.2969 PPBV	97
11) VINYL CHLORIDE	1.769	62	139089	12.1288 PPBV	99
12) 1,3-BUTADIENE	1.808	54	102023	10.4413 PPBV	92
13) N-BUTANE	1.824	43	177943	10.0067 PPBV	97
14) BROMOMETHANE	1.885	94	123600	12.0560 PPBV	99
15) CHLOROETHANE	1.933	64	72629	11.7032 PPBV	95
16) DICHLOROFLUOROMETHANE	1.955	67	290230	12.0050 PPBV	97
4) CHLORODIFLUOROMETHANE 5) CHLOROTRIFLUOROMETHANE 6) DICHLORODIFLUOROMETHANE 7) PROPYLENE 8) 1-CHLORO-1,1-DIFLUOROE 9) FREON 114 10) CHLOROMETHANE 11) VINYL CHLORIDE 12) 1,3-BUTADIENE 13) N-BUTANE 14) BROMOMETHANE 15) CHLOROETHANE 16) DICHLOROFLUOROMETHANE 17) ACETONITRILE 18) ACROLEIN 19) FREON 123 20) FREON 123A 21) TRICHLOROFLUOROMETHANE	2.023	41	103988	9.4363 PPBV	97
18) ACROLEIN	2.062	56	59669	10.3091 PPBV	98
19) FREUN 123	2.078	117	320304	12.509/ PPBV	97
20) FREUN 123A	2.094	11 / 101	190/23 255221	12.III2 PPBV	98 100
21) FREON 125A 21) TRICHLOROFLUOROMETHANE 22) ISOPROPYL ALCOHOL 23) ACETONE 24) PENTANE	2.130	101	333331 272527	11.8026 PPBV 10.7709 PPBV 8.6161 PPBV 10.2207 PPBV	98
22) ISOPROPIL ALCOHOL 23) ACETONE	2 100	58	68638	8 6161 DDRV	76
24) DENTANE	2.100	42	124702	10.2207 PPBV	95
24) PENTANE 25) IODOMETHANE	2.332	142	363474	13.1735 PPBV	96
26) 1.1-DICHLOROETHYLENE	2.361	96	363474 135998	11.4394 PPBV	89
25) IODOMETHANE 26) 1,1-DICHLOROETHYLENE 27) CARBON DISULFIDE 28) ETHANOL 29) BROMOETHENE 30) ACRYLONITRILE 31) METHYLENE CHLORIDE	2.492	76	363474 135998 378070	12.7700 PPBV	94
28) ETHANOL	1.962	45	65182	9.3742 PPBV	98
29) BROMOETHENE	2.033	106	128759	11.7886 PPBV	99
30) ACRYLONITRILE	2.242	52	91057	9.2352 PPBV	97
31) METHYLENE CHLORIDE	2.396	84	125095	11.5271 PPBV	86
37) 3-('HLORODRODENE	) 4 X X	/ h	6/11/5		/ /
33) FREON 113 34) TRANS-1,2-DICHLOROETHENE 35) TERTIARY BUTYL ALCOHOL 36) METHYL TERTIARY BUTYL 37) TETRAHYDROFURAN 38) HEXANE 39) VINYL ACETATE 40) 1,1-DICHLOROETHANE 41) METHYL ETHYL KETONE	2.492	151	223630	12.4235 PPBV	97
34) TRANS-1,2-DICHLOROETHENE	2.717	96	136806	11.0540 PPBV	92
35) TERTIARY BUTYL ALCOHOL	2.373	59	280784	9.6118 PPBV	98
36) METHYL TERTIARY BUTYL	2.827	73	368493	10.4120 PPBV	97
37) TETRAHYDROFURAN	3.505	72	62243	11.3494 PPBV	82
38) HEXANE	3.277	57	213753	9.4659 PPBV	96
39) VINYL ACETATE	2.862	86	34427	10.2/// PPBV	69
40) I,I-DICHLOROETHANE	2.791	63 73	229101	10.3459 PPBV	99
41) METHYL ETHYL KETONE 42) CIS-1,2-DICHLOROETHENE	2.955 3.152	72 96	65503 139121	10.7531 PPBV 10.9136 PPBV	78 95
	3.280	59		10.9130 PPBV	85
43) DIISOPROPYL ETHER 44) ETHYL ACETATE	3.287	61	62801 45013	10.0423 PPBV 10.4040 PPBV	86
45) METHYL ACRYLATE	3.274	55	255017	10.4040 PPBV	
46) CHLOROFORM	3.299	83	290763	11.6022 PPBV	96
47) 2,4-DIMETHYLPENTANE	3.785	57	243277	9.7441 PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.865	97	296427	11.0300 PPBV	98
49) CARBON TETRACHLORIDE	4.283	117	301404	11.3083 PPBV	100
50) 1,2-DICHLOROETHANE	3.701	62	207326	11.0496 PPBV	99

Data Path : X:\Dayton VOA GCMS\kristelv\020425\v7w440\

Data File : 7w12382.D

Inst : MS7W

Acq On : 4 Feb 2025 12:07 pm
Operator : williamc
Sample : bsd
Misc : MS89217, v7w440,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 21:55:29 2025

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

STOCK   STATE		Compound				Conc Units Dev(Min	)
61) 1,4-DIOXANE 5.074 88 99399 9.9644 PPBV 93 62) HEPTANE 5.470 43 220714 9.2800 PPBV 91 63) METHYL METHACRYLATE 5.367 69 153749 10.0584 PPBV 89 64) METHYL ISOBUTYL KETONE 6.094 58 132134 9.3059 PPBV 91 65) CIS-1,3-DICHLOROPROPENE 5.991 75 258232 10.8038 PPBV 92 66) TOLUENE 7.187 91 513222 10.3201 PPBV 100 67) 1,3-DICHLOROPROPANE 7.248 76 256776 11.0557 PPBV 100 68) TRANS-1,3-DICHLOROPROPENE 6.663 75 224329 9.9836 PPBV 92 69) 1,1,2-TRICHLOROETHANE 6.820 83 150260 10.9921 PPBV 99 70) 2-HEXANONE 7.756 58 182181 8.2166 PPBV 91 71) ETHYL METHACRYLATE 7.888 69 258431 9.7246 PPBV 93 72) TETRACHLOROETHANE 8.907 164 206481 10.9583 PPBV 97 73) DIBROMOCHLOROMETHANE 7.720 129 308813 10.7525 PPBV 97 74) 1,2-DIBROMOETHANE 8.058 107 287339 11.4823 PPBV 100 75) OCTANE 9.058 43 306680 9.1008 PPBV 92 77) 1,1,1,2-TETRACHLOROETHANE 10.122 131 230635 11.0187 PPBV 98	51)	BENZENE	4 171	 78	402462	10 9906 PPRV	95
61) 1,4-DIOXANE 5.074 88 99399 9.9644 PPBV 93 62) HEPTANE 5.470 43 220714 9.2800 PPBV 91 63) METHYL METHACRYLATE 5.367 69 153749 10.0584 PPBV 89 64) METHYL ISOBUTYL KETONE 6.094 58 132134 9.3059 PPBV 91 65) CIS-1,3-DICHLOROPROPENE 5.991 75 258232 10.8038 PPBV 92 66) TOLUENE 7.187 91 513222 10.3201 PPBV 100 67) 1,3-DICHLOROPROPANE 7.248 76 256776 11.0557 PPBV 100 68) TRANS-1,3-DICHLOROPROPENE 6.663 75 224329 9.9836 PPBV 92 69) 1,1,2-TRICHLOROETHANE 6.820 83 150260 10.9921 PPBV 99 70) 2-HEXANONE 7.756 58 182181 8.2166 PPBV 91 71) ETHYL METHACRYLATE 7.888 69 258431 9.7246 PPBV 93 72) TETRACHLOROETHANE 8.907 164 206481 10.9583 PPBV 97 73) DIBROMOCHLOROMETHANE 7.720 129 308813 10.7525 PPBV 97 74) 1,2-DIBROMOETHANE 8.058 107 287339 11.4823 PPBV 100 75) OCTANE 9.058 43 306680 9.1008 PPBV 92 77) 1,1,1,2-TETRACHLOROETHANE 10.122 131 230635 11.0187 PPBV 98	53)	CYCLOHEXANE	4.380	84	180078	10.8297 PPBV	
61) 1,4-DIOXANE 5.074 88 99399 9.9644 PPBV 93 62) HEPTANE 5.470 43 220714 9.2800 PPBV 91 63) METHYL METHACRYLATE 5.367 69 153749 10.0584 PPBV 89 64) METHYL ISOBUTYL KETONE 6.094 58 132134 9.3059 PPBV 91 65) CIS-1,3-DICHLOROPROPENE 5.991 75 258232 10.8038 PPBV 92 66) TOLUENE 7.187 91 513222 10.3201 PPBV 100 67) 1,3-DICHLOROPROPANE 7.248 76 256776 11.0557 PPBV 100 68) TRANS-1,3-DICHLOROPROPENE 6.663 75 224329 9.9836 PPBV 92 69) 1,1,2-TRICHLOROETHANE 6.820 83 150260 10.9921 PPBV 99 70) 2-HEXANONE 7.756 58 182181 8.2166 PPBV 91 71) ETHYL METHACRYLATE 7.888 69 258431 9.7246 PPBV 93 72) TETRACHLOROETHANE 8.907 164 206481 10.9583 PPBV 97 73) DIBROMOCHLOROMETHANE 7.720 129 308813 10.7525 PPBV 97 74) 1,2-DIBROMOETHANE 8.058 107 287339 11.4823 PPBV 100 75) OCTANE 9.058 43 306680 9.1008 PPBV 92 77) 1,1,1,2-TETRACHLOROETHANE 10.122 131 230635 11.0187 PPBV 98	54)	2,3-DIMETHYLPENTANE	4.631	71	91452	10.4753 PPBV	
61) 1,4-DIOXANE 5.074 88 99399 9.9644 PPBV 93 62) HEPTANE 5.470 43 220714 9.2800 PPBV 91 63) METHYL METHACRYLATE 5.367 69 153749 10.0584 PPBV 89 64) METHYL ISOBUTYL KETONE 6.094 58 132134 9.3059 PPBV 91 65) CIS-1,3-DICHLOROPROPENE 5.991 75 258232 10.8038 PPBV 92 66) TOLUENE 7.187 91 513222 10.3201 PPBV 100 67) 1,3-DICHLOROPROPANE 7.248 76 256776 11.0557 PPBV 100 68) TRANS-1,3-DICHLOROPROPENE 6.663 75 224329 9.9836 PPBV 92 69) 1,1,2-TRICHLOROETHANE 6.820 83 150260 10.9921 PPBV 99 70) 2-HEXANONE 7.756 58 182181 8.2166 PPBV 91 71) ETHYL METHACRYLATE 7.888 69 258431 9.7246 PPBV 93 72) TETRACHLOROETHANE 8.907 164 206481 10.9583 PPBV 97 73) DIBROMOCHLOROMETHANE 7.720 129 308813 10.7525 PPBV 97 74) 1,2-DIBROMOETHANE 8.058 107 287339 11.4823 PPBV 100 75) OCTANE 9.058 43 306680 9.1008 PPBV 92 77) 1,1,1,2-TETRACHLOROETHANE 10.122 131 230635 11.0187 PPBV 98	55)	TRICHLOROETHENE	5.061	95	193671	10.8255 PPBV	
61) 1,4-DIOXANE 5.074 88 99399 9.9644 PPBV 93 62) HEPTANE 5.470 43 220714 9.2800 PPBV 91 63) METHYL METHACRYLATE 5.367 69 153749 10.0584 PPBV 89 64) METHYL ISOBUTYL KETONE 6.094 58 132134 9.3059 PPBV 91 65) CIS-1,3-DICHLOROPROPENE 5.991 75 258232 10.8038 PPBV 92 66) TOLUENE 7.187 91 513222 10.3201 PPBV 100 67) 1,3-DICHLOROPROPANE 7.248 76 256776 11.0557 PPBV 100 68) TRANS-1,3-DICHLOROPROPENE 6.663 75 224329 9.9836 PPBV 92 69) 1,1,2-TRICHLOROETHANE 6.820 83 150260 10.9921 PPBV 99 70) 2-HEXANONE 7.756 58 182181 8.2166 PPBV 91 71) ETHYL METHACRYLATE 7.888 69 258431 9.7246 PPBV 93 72) TETRACHLOROETHANE 8.907 164 206481 10.9583 PPBV 97 73) DIBROMOCHLOROMETHANE 7.720 129 308813 10.7525 PPBV 97 74) 1,2-DIBROMOETHANE 8.058 107 287339 11.4823 PPBV 100 75) OCTANE 9.058 43 306680 9.1008 PPBV 92 77) 1,1,1,2-TETRACHLOROETHANE 10.122 131 230635 11.0187 PPBV 98	56)	1,2-DICHLOROPROPANE	4.830	63	149374	9.7869 PPBV	97
61) 1,4-DIOXANE 5.074 88 99399 9.9644 PPBV 93 62) HEPTANE 5.470 43 220714 9.2800 PPBV 91 63) METHYL METHACRYLATE 5.367 69 153749 10.0584 PPBV 89 64) METHYL ISOBUTYL KETONE 6.094 58 132134 9.3059 PPBV 91 65) CIS-1,3-DICHLOROPROPENE 5.991 75 258232 10.8038 PPBV 92 66) TOLUENE 7.187 91 513222 10.3201 PPBV 100 67) 1,3-DICHLOROPROPANE 7.248 76 256776 11.0557 PPBV 100 68) TRANS-1,3-DICHLOROPROPENE 6.663 75 224329 9.9836 PPBV 92 69) 1,1,2-TRICHLOROETHANE 6.820 83 150260 10.9921 PPBV 99 70) 2-HEXANONE 7.756 58 182181 8.2166 PPBV 91 71) ETHYL METHACRYLATE 7.888 69 258431 9.7246 PPBV 93 72) TETRACHLOROETHANE 8.907 164 206481 10.9583 PPBV 97 73) DIBROMOCHLOROMETHANE 7.720 129 308813 10.7525 PPBV 97 74) 1,2-DIBROMOETHANE 8.058 107 287339 11.4823 PPBV 100 75) OCTANE 9.058 43 306680 9.1008 PPBV 92 77) 1,1,1,2-TETRACHLOROETHANE 10.122 131 230635 11.0187 PPBV 98			4.788	174	172313	10.2506 PPBV	98
61) 1,4-DIOXANE 5.074 88 99399 9.9644 PPBV 93 62) HEPTANE 5.470 43 220714 9.2800 PPBV 91 63) METHYL METHACRYLATE 5.367 69 153749 10.0584 PPBV 89 64) METHYL ISOBUTYL KETONE 6.094 58 132134 9.3059 PPBV 91 65) CIS-1,3-DICHLOROPROPENE 5.991 75 258232 10.8038 PPBV 92 66) TOLUENE 7.187 91 513222 10.3201 PPBV 100 67) 1,3-DICHLOROPROPANE 7.248 76 256776 11.0557 PPBV 100 68) TRANS-1,3-DICHLOROPROPENE 6.663 75 224329 9.9836 PPBV 92 69) 1,1,2-TRICHLOROETHANE 6.820 83 150260 10.9921 PPBV 99 70) 2-HEXANONE 7.756 58 182181 8.2166 PPBV 91 71) ETHYL METHACRYLATE 7.888 69 258431 9.7246 PPBV 93 72) TETRACHLOROETHANE 8.907 164 206481 10.9583 PPBV 97 73) DIBROMOCHLOROMETHANE 7.720 129 308813 10.7525 PPBV 97 74) 1,2-DIBROMOETHANE 8.058 107 287339 11.4823 PPBV 100 75) OCTANE 9.058 43 306680 9.1008 PPBV 92 77) 1,1,1,2-TETRACHLOROETHANE 10.122 131 230635 11.0187 PPBV 98	58)	ETHYL ACRYLATE	4.946	55	315953	9.7426 PPBV	99
61) 1,4-DIOXANE 5.074 88 99399 9.9644 PPBV 93 62) HEPTANE 5.470 43 220714 9.2800 PPBV 91 63) METHYL METHACRYLATE 5.367 69 153749 10.0584 PPBV 89 64) METHYL ISOBUTYL KETONE 6.094 58 132134 9.3059 PPBV 91 65) CIS-1,3-DICHLOROPROPENE 5.991 75 258232 10.8038 PPBV 92 66) TOLUENE 7.187 91 513222 10.3201 PPBV 100 67) 1,3-DICHLOROPROPANE 7.248 76 256776 11.0557 PPBV 100 68) TRANS-1,3-DICHLOROPROPENE 6.663 75 224329 9.9836 PPBV 92 69) 1,1,2-TRICHLOROETHANE 6.820 83 150260 10.9921 PPBV 99 70) 2-HEXANONE 7.756 58 182181 8.2166 PPBV 91 71) ETHYL METHACRYLATE 7.888 69 258431 9.7246 PPBV 93 72) TETRACHLOROETHANE 8.907 164 206481 10.9583 PPBV 97 73) DIBROMOCHLOROMETHANE 7.720 129 308813 10.7525 PPBV 97 74) 1,2-DIBROMOETHANE 8.058 107 287339 11.4823 PPBV 100 75) OCTANE 9.058 43 306680 9.1008 PPBV 92 77) 1,1,1,2-TETRACHLOROETHANE 10.122 131 230635 11.0187 PPBV 98	59)	BROMODICHLOROMETHANE	5.007	83	318573	11.1772 PPBV	99
61) 1,4-DIOXANE	60)	2,2,4-TRIMETHYLPENTANE	5.155	57	660984	9.7668 PPBV	99
63) METHYL METHACRYLATE			5.074	88	99399	9.9644 PPBV	93
64) METHYL ISOBUTYL KETONE 6.094 58 132134 9.3059 PPBV 99 65) CIS-1,3-DICHLOROPROPENE 7.187 91 513222 10.3031 PPBV 92 66) TOLUENE 7.187 91 513222 10.3201 PPBV 100 67) 1,3-DICHLOROPROPENE 7.248 76 256776 11.0557 PPBV 100 68) TRANS-1,3-DICHLOROPROPENE 6.663 75 224329 9.3836 PPBV 92 69) 1,1,2-TRICHLOROETHANE 6.820 83 150260 10.9921 PPBV 99 70) 2-HEXANONE 7.756 58 182181 8.2166 PPBV 91 71) ETHYL METHACRYLATE 7.888 69 258431 9.7246 PPBV 93 72) TETRACHLOROETHANE 8.907 164 206481 10.9583 PPBV 97 73) DIBROMOCHLOROMETHANE 7.720 129 308813 10.7525 PPBV 99 74) 1,2-DIBROMOETHANE 8.058 107 287339 11.4823 PPBV 97 73) DIBROMOCHLOROETHANE 10.122 131 230635 11.0187 PPBV 98 74) 1,1,2-TETRACHLOROETHANE 10.102 131 230635 11.0187 PPBV 98 78) CHLOROBENZENE 10.106 112 427241 11.2110 PPBV 98 79) ETHYLBENZENE 10.987 19 695494 11.0762 PPBV 99 80) M,P-XYLENE 11.415 91 1097231 21.6996 PPBV 97 81) O-XYLENE 12.347 91 562494 11.0762 PPBV 99 83) NONANE 12.247 91 562494 11.0762 PPBV 99 84) BROMOFORM 84) BROMOFORM 13.69 43 328457 9.4161 PPBV 98 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 409021 12.1023 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 409021 12.1023 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 13.858 120 209395 10.7929 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 13.858 120 209395 10.7929 PPBV 99 89 BROMOFORM 13.858 120 209395 10.7929 PPBV 99 93 NORANE 13.69 43 328457 9.4161 PPBV 98 86 12,3-TRICHLOROPROPANE 12.643 75 313260 11.6180 PPBV 99 93 1,3,5-TRIMETHYLBENZENE 15.96 120 217891 11.8806 PPBV 99 93 1,3,5-TRIMETHYLBENZENE 16.657 91 484680 9.1422 PPBV 98 96) 1.2,4-TRIMETHYLBENZENE 16.657 91 484680 9.1422 PPBV 98 97) BENZYL CHLORIDE 16.657 91 484680 9.1422 PPBV 98 98 10 O-DICHLOROBENZENE 16.658 146 471489 11.5456 PPBV 98 99 10 O-DICHLOROBENZENE 16.657 91 484680 9.1422 PPBV 98 99 10 D-DICHLOROBENZENE 16.657 91 484680 9.1422 PPBV 98 91 12.4-TRIMETHYLBENZENE 16.658 146 471489 11.5456 PPBV 98 91 12.4-TRIMETHYLBENZENE 16.658 146 471489 11.5456 PPBV 98 91 1.2,4-TRIMETHYLBENZENE 16.658 134 40493 11.3449 PPBV 98 100 1.2,2-TETRACHLOROETHANE 17.052 11.058058	62)	HEPTANE	5.470	43	220714	9.2800 PPBV	91
65) CIS-1,3-DICHLOROPROPENE 65) CIS-1,3-DICHLOROPROPENE 67) 1,3-DICHLOROPROPENE 7.187 68) TRANS-1,3-DICHLOROPROPENE 69) 1,1,2-TETRACHLOROFHANE 77,720 78) DIBROMOCHLOROMETHANE 77,720 79) TRANS-1,1,1,2-TETRACHLOROFHANE 79) TRANS-1,1,1,2-TETRACHLOROFHANE 79) TRANS-1,1,1,2-TETRACHLOROFHANE 79) TRANS-1,1,1,2-TETRACHLOROFHANE 79) TRANS-1,1,1,2-TETRACHLOROFHANE 79) TRANS-1,1,1,2-TETRACHLOROFHANE 79) TRANS-1,1,1,2-TETRACHLOROFHANE 79) TRANS-1,1,1,2-TETRACHLOROFHANE 79) TRANS-1,1,1,2-TETRACHLOROFHANE 79) TRANS-1,1,1,2-TETRACHLOROFHANE 79) TRANS-1,1,1,2-TETRACHLOROFHANE 79) TRANS-1,1,1,1,2-TETRACHLOROFHANE 79) TRANS-1,1,1,1,2-TETRACHLOROFHANE 79) TRANS-1,1,1,1,2-TETRACHLOROFHANE 79) TRANS-1,1,1,1,2-TETRACHLOROFHANE 70, TRANS-1,1,1,1,2-TETRACHLOROFHANE 70, TRANS-1,1,1,1,2-TETRACHLOROFHANE 70, TRANS-1,1,1,1,1,2-TETRACHLOROFHANE 70, TRANS-1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	63)	METHYL METHACRYLATE	5.367	69	153749	10.0584 PPBV	89
C1S-1,3-DICHLOROPROPENE	64)	METHYL ISOBUTYL KETONE	6.094	58	132134	9.3059 PPBV	91
67) 1.3-DICHLOROPROPANE 7.248 76 256776 11.0557 PPEV 100 68) TRANS-1,3-DICHLOROPROPENE 6.663 75 224329 9.9836 PPEV 92 69) 1.1,2-TRICHLOROETHANE 7.756 58 182181 8.2166 PPEV 92 70) 2-HEXANONE 7.756 58 182181 8.2166 PPEV 91 71) ETHYL METHACRYLATE 7.888 69 258431 9.7246 PPEV 93 72) TETRACHLOROETHENE 8.907 164 206481 10.9583 PPEV 97 73) DIBROMOCHLOROMETHANE 7.720 129 308813 10.7525 PPEV 99 74) 1,2-DIBROMOCHLOROMETHANE 8.058 107 287339 11.4823 PPEV 100 75) OCTANE 9.058 43 306680 9.1008 PPEV 92 77) 1,1,1,2-TETRACHLOROETHANE 10.122 131 230635 11.0187 PPEV 98 78) CHURCOBENZENE 10.987 91 695436 10.7813 PPEV 97 81) O-XYLENE 11.415 91 1097231 21.6996 PPEV 97 82) STYRENE 11.415 91 1097231 21.6996 PPEV 97 83) NONANE 13.469 43 328457 9.4161 PPEV 94 84) BROMOFORM 11.222 173 295566 11.7725 PPEV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 409021 12.1023 PPEV 99 86) 1,2,3-TRICHLOROPROPANE 12.643 75 313260 11.6180 PPEV 100 90) 2-CHLOROTOLUENE 13.858 120 209395 10.7929 PPEV 97 88) BROMOBENZENE 13.858 120 209395 10.7929 PPEV 99 92 4-ETHYLIDENZENE 15.196 120 217891 11.0806 PPEV 99 92 14-ETHYLIDUENE 15.640 105 806644 11.4369 PPEV 99 93 1,3,5-TRIBETHYLBENZENE 16.530 134 166903 11.7487 PPEV 98 94) ALPHA-METHYLSTYRENE 16.515 105 806644 11.4369 PPEV 99 95) TERT-BUTYLBENZENE 16.530 134 166903 11.7487 PPEV 98 96) 1,2,4-TRIBETHYLBENZENE 16.530 134 166903 11.7487 PPEV 98 97) BENZYL CHLORODEN 16.627 91 484680 9.1422 PPEV 98 98) PROMOBENZENE 16.530 134 166903 11.7487 PPEV 98 99 13, 1,5-TRIBETHYLBENZENE 16.530 134 166903 11.7487 PPEV 98 99 12,4-TRIPTLYBENZENE 16.530 134 166903 11.7487 PPEV 98 91 1.2,4-TRIBETHYLBENZENE 16.530 134 16690 91.422 PPEV 98 91 1.2,4-TRIBETHYLBENZENE 16.530 134 16690 91.422 PPEV 98 91 1.3,5-TRIBETHYLBENZENE 16.530 134 166903 11.7487 PPEV 98 91 1.3,5-TRIBETHYLBENZENE 16.530 134 166903 11.7487 PPEV 98 91 1.2,4-TRIBETHYLBENZENE 16.530 134 166903 11.7487 PPEV 98 91 1.2,4-TRIBETHYLBENZENE 16.595 105 685444 11.4299 PPEV 98 91 1.2,4-TRIBETHYLBENZENE 16.595 105 685444 11.4299 PPEV 98 100) O-DICHLOROBENZENE 16.691 146 485098 12.20	65)	CIS-1,3-DICHLOROPROPENE	5.991	75	258232	10.8038 PPBV	92
68) TRANS-1,3-DICHLOROPROPENE 68) 1,1,2-TRICHLOROPROPENE 6,663 75 224329 9,9836 PPBV 92 69) 1,1,2-TRICHLOROETHANE 7,756 58 182181 8,2166 PPBV 91 71) ETHYL METHACRYLATE 7,888 69 258431 9,7246 PPBV 93 72) TETRACHLOROETHANE 7,720 129 308813 10,7525 PPBV 97 73) DIBROMOCHLOROMETHANE 7,720 129 308813 10,7525 PPBV 99 74) 1,2-DIBROMOCHANE 8.058 107 287339 11,4823 PPBV 100 75) OCTANE 9,058 43 306680 9,1008 PPBV 92 77) 1,1,1,2-TETRACHLOROETHANE 10,122 131 230635 11,0187 PPBV 98 78) CHLOROBENZENE 10,106 112 427241 11,2110 PPBV 98 79) ETHYLBENZENE 10,987 91 695436 10,7813 PPBV 99 80) M,P-XYLENE 11,415 91 1097231 21,6996 PPBV 97 81) O-XYLENE 12,347 91 562494 11,0762 PPBV 100 82) STYRENE 12,138 104 420070 11,5495 PPBV 99 83) NONANE 13,469 43 328457 9,4161 PPBV 98 84) BROMOFORM 11,222 173 295566 11,725 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12,360 83 409021 12,1023 PPBV 98 86) 1,2,3-TRICHLOROPROPANE 12,643 75 313260 11,6180 PPBV 100 91) N-PROPYLBENZENE 13,783 77 395444 10,9340 PPBV 100 92) C-CHLOROTOLUENE 14,852 126 18840 10,700 PPBV 100 93) BROMOBENZENE 15,640 105 806644 11,4369 PPBV 99 92) 4-ETHYLIDURE 15,640 105 806644 11,4369 PPBV 99 93) 1,3,5-TRIBETHYLBENZENE 15,913 105 679318 11,0486 PPBV 99 94) ALPHA-METHYLSTYRENE 16,537 105 708272 11,8299 PPBV 98 95) TETR-CHLOROGENZENE 16,537 105 708272 11,8299 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16,537 105 708272 11,8299 PPBV 98 97) BENZYL CHLORIDE 16,637 104 84680 9,1422 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16,537 105 708272 11,8299 PPBV 98 97) DEICHLOROBENZENE 16,537 105 708272 11,8299 PPBV 98 98) DECOMBENZENE 16,691 146 485098 12,2050 PPBV 99 99) P-DICHLOROBENZENE 16,537 105 685444 11,4369 PPBV 98 99) P-DICHLOROBENZENE 16,537 105 685444 11,4369 PPBV 98 91) T-SOPROPYLBENZENE 16,537 105 708272 11,8299 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16,537 105 708272 11,8299 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16,537 105 708272 11,8299 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16,537 105 708272 11,8299 PPBV 98 9100) O-DICHLOROBENZENE 16,595 105 685444 11,4294 PPBV 98 100) P-DICHLOROBENZENE 16,595 105 685444	66)	TOLUENE  1 2 DIGII ODODDODANE	7.18/	91	513222	10.3201 PPBV	100
Color	60)	T, 3-DICHLOROPROPANE	7.240	7 G	250//0	11.055/ PPBV	T00
70) 2-HEXANONE 7.756 58 182181 8.2166 PPBV 91 71) ETHYL METHACRYLATE 7.888 69 258431 9.7246 PPBV 93 72) TETRACHLOROETHENE 8.907 164 206481 19.7246 PPBV 93 73) DIBROMOCHLOROMETHANE 7.720 129 308813 10.7525 PPBV 99 74) 1,2-DIBROMOETHANE 8.058 107 287339 11.4823 PPBV 97 75) OCTANE 9.058 43 306680 9.1008 PPBV 92 77) 1,1,1,2-TETRACHLOROETHANE 10.122 131 230635 11.0187 PPBV 98 78) ETHYLBENZENE 10.106 112 427241 11.2110 PPBV 98 79) ETHYLBENZENE 10.987 91 695436 10.7813 PPBV 99 80) M,P-XYLENE 11.415 91 1097231 21.6996 PPBV 97 81) O-XYLENE 12.347 91 562494 11.210762 PPBV 100 82) STYRENE 12.138 104 420070 11.5495 PPBV 99 83) NONANE 13.469 43 328457 9.4161 PPBV 94 84) BROMOFORM 11.222 173 295566 11.7725 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 409021 12.1023 PPBV 98 86) 1,2,3-TRICHLOROPROPANE 12.643 75 313260 11.6180 PPBV 98 86) 1,2,3-TRICHLOROPROPANE 13.858 120 209395 10.7929 PPBV 95 88) ISOPROPYLBENZENE 13.858 120 209395 10.7929 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 188840 10.7000 PPBV 100 91) N-PROPYLBENZENE 15.196 120 217891 11.0806 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.640 105 806644 10.448 PPBV 99 94) ALPHA-METHYLSTYRENE 16.537 105 679318 11.4448 PPBV 98 95) TETR-BUTYLBENZENE 16.537 105 679318 11.4448 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 679318 11.4448 PPBV 98 97) BENZYL CHLORIDE 16.657 91 484680 9.1422 PPBV 98 98) M-DICHLOROBENZENE 16.530 134 166903 11.7887 PPBV 98 99) P-DICHLOROBENZENE 16.657 105 708272 11.8299 PPBV 98 99) P-DICHLOROBENZENE 16.658 146 471489 11.5456 PPBV 100 101) SEC-BUTYLBENZENE 16.657 105 708272 11.8299 PPBV 98 99) P-DICHLOROBENZENE 16.659 146 485098 12.2050 PPBV 98 910 1,2,4-TRIMETHYLBENZENE 16.537 105 685444 11.4294 PPBV 98 910 100 O-DICHLOROBENZENE 16.537 105 708272 11.8299 PPBV 98 910 1-SOPROPYLBENZENE 16.537 105 708272 11.8299 PPBV 98 920 1-SOPROPYLBENZENE 16.537 105 708272 11.8299 PPBV 98 930 1,3,5-TRIMETHYLBENZENE 16.537 105 708272 11.8299 PPBV 98 940 1-SOPROPYLBENZENE 16.537 105 708272 11.8299 PPBV 98 95) TETR-BUTYLBENZENE 16.537 105 708272 11.8299 PPBV 98 960 1,2,4-TRI	60)	1 1 2 TRICHLOROPROPENE	6.003	02	150260	10 0021 DDDV	92
71) ETHYL METHACRYLATE 7.888 69 254831 9.7246 PPBV 93 72) TETRACHLOROETHENE 8.907 164 206481 10.9583 PPBV 97 73) DIBROMOCHLOROMETHANE 7.720 129 308813 10.7525 PPBV 99 74) 1,2-DIBROMOCHTANE 8.058 107 287339 11.4823 PPBV 100 75) OCTANE 9.058 43 306680 9.1008 PPBV 92 77) 1,1,2-TETRACHLOROETHANE 10.122 131 230635 11.0187 PPBV 98 78) CHLOROBENZENE 10.106 112 427241 11.2110 PPBV 98 79) ETHYLBENZENE 10.987 91 695436 10.7813 PPBV 99 80) M,P-XYLENE 11.415 91 1097231 21.6996 PPBV 97 81) O-XYLENE 12.347 91 562494 11.0762 PPBV 100 82) STYRENE 12.347 91 562494 11.0762 PPBV 100 82) STYRENE 12.347 91 562494 11.0762 PPBV 99 84) BROMOFORM 11.222 173 295566 11.7725 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 409021 12.1023 PPBV 98 86) 1,2,3-TRICHLOROETHANE 12.360 83 409021 12.1023 PPBV 98 86) 1,2,3-TRICHLOROETHANE 12.643 75 313260 11.6180 PPBV 100 88) ISOPROPYLBENZENE 13.783 77 395444 10.9340 PPBV 100 88) ISOPROPYLBENZENE 13.873 77 395444 10.9340 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 188840 10.7000 PPBV 100 91) N-PROPYLBENZENE 15.96 120 217891 11.0806 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.961 120 217891 11.0806 PPBV 99 94) ALPHA-METHYLSTYRENE 16.530 134 166903 11.7487 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.530 134 166903 11.7487 PPBV 98 97) BENZYL CHLORIDE 16.627 91 484680 9.1422 PPBV 98 98) M-DICHLOROBENZENE 16.537 105 708272 11.8299 PPBV 98 99 DPDICHLOROBENZENE 16.621 118 334977 11.0504 PPBV 98 99 DPDICHLOROBENZENE 16.627 91 484680 9.1422 PPBV 98 99 DPDICHLOROBENZENE 16.627 91 484680 9.1422 PPBV 98 99 DPDICHLOROBENZENE 16.627 91 484680 9.1422 PPBV 98 91 DO -DICHLOROBENZENE 16.627 91 48680 9.1422 PPBV 98 91 DO -DICHLOROBENZENE 16.627 91 48680 9.1422 PPBV 98 91 DO -DICHLOROBENZENE 17.099 146 454952 11.7898 PPBV 98 91 DICHLOROBENZENE 17.099 146 454952 11.7898 PPBV 98 91 DICHLOROBENZENE 16.627 91 48680 9.1422 PPBV 98 91 DICHLOROBENZENE 16.627 91 48680 9.1422 PPBV 98 91 DICHLOROBENZENE 17.099 146 454952 11.7898 PPBV 98 91 DICHLOROBENZENE 17.099 146 454952 11.7898 PPBV 98 91 DICHLOROBENZENE 17.099 146 454952 11.7898 PPBV 98 91	701	1,1,2-IRICHLOROEIHANE 2_UFYNONE	7 756	ο 3 5 Q	190200	9 2166 DDDV	99
72) TETRACHLOROETHENE 8.907 164 206481 10.9583 PPBV 97 73) DIBROMOCHLOROMETHANE 7.720 129 308813 10.7525 PPBV 99 74) 1,2-DIBROMOETHANE 8.058 107 287339 11.4823 PPBV 100 75) OCTANE 9.058 43 306680 9.1008 PPBV 92 77) 1,1,1,2-TETRACHLOROETHANE 10.122 131 230635 11.0187 PPBV 98 78) CHLOROBENZENE 10.987 91 695436 10.7813 PPBV 99 80) M,P-XYLENE 11.415 91 1097231 21.6996 PPBV 92 81) O-XYLENE 12.347 91 562494 11.0762 PPBV 100 82) STYRENE 12.138 104 420070 11.5495 PPBV 99 83) NONANE 13.469 43 328457 9.4161 PPBV 98 84) BROMOFORM 11.222 173 295566 11.7725 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 409021 12.1023 PPBV 98 86) 1,2,3-TRICHLOROPROPANE 12.663 75 313260 11.6180 PPBV 100 88) ISOPROPYLBENZENE 13.858 120 209395 10.7929 PPBV 95 89) BROMOBENIZENE 13.858 120 209395 10.7929 PPBV 95 89) BROMOENDENE 13.723 77 395444 10.9340 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 188840 10.7000 PPBV 100 91) N-PROPYLBENZENE 15.196 120 217891 11.0806 PPBV 99 92) 4-ETHYLIDLUENE 15.640 105 806644 11.4369 PPBV 99 93) 1,3,5-TRIMETHYLIBENZENE 15.196 120 217891 11.0806 PPBV 99 93) 1,3,5-TRIMETHYLIBENZENE 16.537 105 679318 11.4448 PPBV 98 94) ALPHA-METHYLISTYRENE 16.537 105 679318 11.4448 PPBV 98 95) TETR-BUTYLBENZENE 16.650 134 166903 11.7487 PPBV 98 96) 1,2,4-TRIMETHYLIBENZENE 16.530 134 166903 11.7487 PPBV 98 97) BENZYL CHLOROIDE 16.627 91 484680 91.122 PPBV 98 98) M-DICHLOROBENZENE 16.650 134 166903 11.7487 PPBV 98 99) P-DICHLOROBENZENE 16.650 134 166903 11.7487 PPBV 98 99) P-DICHLOROBENZENE 16.650 134 166903 11.7487 PPBV 98 9100 O-DICHLOROBENZENE 16.650 134 166903 11.7487 PPBV 98 9101 1,2,4-TRIMETHYLBENZENE 16.537 105 68544 11.4294 PPBV 98 9101 1,2,3-TRIMETHYLBENZENE 16.651 146 879515 11.8608 PPBV 99 910 P-DICHLOROBENZENE 16.657 105 685444 11.4294 PPBV 98 1001 1,2,3-TRIMETHYLBENZENE 16.651 134 209974 11.8608 PPBV 98 1001 1,2,3-TRIMETHYLBENZENE 16.651 134 209974 11.8608 PPBV 98 1001 1,2,3-TRIMETHYLBENZENE 16.555 105 685444 11.4294 PPBV 98 1001 1,2,4-TRIMETHYLBENZENE 16.550 385663 13.4449 PPBV 98 1003 P-ISOPROPYLTOLUENE 17.395 134 275155			7.730	69	258431	9 7246 DDBV	93
73) DIBROMOCHLOROMETHANE 7.720 129 308813 10.7525 PPBV 99 74 1,2-DIBROMOCHLOROMETHANE 8.058 107 287339 11.4823 PPBV 100 75) OCTANE 9.058 43 306680 9.1008 PPBV 92 77) 1,1,1,2-TETRACHLOROETHANE 10.122 131 230635 11.0187 PPBV 98 78) CHLOROBENZENE 10.987 91 695436 10.7813 PPBV 98 78) CHLOROBENZENE 10.987 91 695436 10.7813 PPBV 98 80 M,P-XYLENE 11.415 91 1097231 21.6996 PPBV 97 81) O-XYLENE 12.347 91 562494 11.0762 PPBV 100 82) STYRENE 12.347 91 562494 11.0762 PPBV 100 82) STYRENE 12.348 104 420070 11.5495 PPBV 99 83) NONANE 13.469 43 328457 9.4161 PPBV 94 84) BROMOFORM 11.222 173 295566 11.7725 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 409021 12.1023 PPBV 98 86) 1,2,3-TRICHLOROPROPANE 12.643 75 313260 11.6180 PPBV 100 88) ISOPROPYLBENZENE 13.858 120 209395 10.7929 PPBV 95 89) BROMOBENZENE 13.858 120 209395 10.7929 PPBV 95 99 99 30 2-CHLOROTOLURENE 14.852 126 188840 10.7000 PPBV 100 90 2-CHLOROTOLURE 14.852 126 188840 10.7000 PPBV 100 91 N-PROPYLBENZENE 15.196 120 217891 11.0806 PPBV 99 93 1,3,5-TRIMETHYLBENZENE 15.913 105 679318 11.4448 PPBV 99 93 1,7,3,5-TRIMETHYLBENZENE 15.196 120 217891 11.0806 PPBV 99 95) TERT-BUTYLBENZENE 16.537 105 679318 11.4448 PPBV 98 96 1,2,4-TRIMETHYLBENZENE 16.537 105 708272 11.8299 PPBV 98 97 BENZYL CHLORIDE 16.627 91 484680 9.1422 PPBV 98 99 100 O-DICHLOROBENZENE 16.537 105 708272 11.8299 PPBV 98 99 100 D-DICHLOROBENZENE 16.659 146 471489 11.5456 PPBV 98 99 100 O-DICHLOROBENZENE 16.659 146 471489 11.5456 PPBV 98 99 100 O-DICHLOROBENZENE 16.636 134 209974 11.8608 PPBV 98 100 101 SEC-BUTYLBENZENE 16.636 134 209974 11.8608 PPBV 98 100 101 SEC-BUTYLBENZENE 16.636 134 209974 11.8608 PPBV 98 100 101 SEC-BUTYLBENZENE 16.636 134 209974 11.8608 PPBV 98 100 101 SEC-BUTYLBENZENE 16.636 134 209974 11.8608 PPBV 98 100 101 SEC-BUTYLBENZENE 16.636 134 209974 11.8608 PPBV 98 100 101 SEC-BUTYLBENZENE 16.636 134 209974 11.8608 PPBV 98 100 101 SEC-BUTYLBENZENE 16.636 134 209974 11.8608 PPBV 98 100 101 SEC-BUTYLBENZENE 16.636 128 874180M 11.5805 PPBV 100 100 TVHC as equiv Pentane 2.274 TIC 590358 1			8 907	164	206481	10 9583 DDBV	97
74) 1,2-DIBROMOETHANE 8.058 107 287339 11.4823 PPBV 100 75) OCTANE 9.058 43 306680 9.1008 PPBV 92 77) 1,1,1,2-TETRACHLOROETHANE 10.122 131 230635 11.0187 PPBV 98 78) CHLOROBENZENE 10.987 91 695436 10.7813 PPBV 98 79) ETHYLBENZENE 10.987 91 695436 10.7813 PPBV 99 80) M,P-XYLENE 11.415 91 1097231 21.6996 PPBV 99 81) O-XYLENE 12.347 91 562494 11.0762 PPBV 100 82) STYRENE 12.138 104 420070 11.5495 PPBV 99 83) NONANE 13.469 43 328457 9.4161 PPBV 98 84) BROMOFORM 11.222 173 295566 11.7725 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 409021 12.1023 PPBV 98 86) 1,2,3-TRICHLOROPROPANE 12.643 75 313260 11.6180 PPBV 100 88) ISOPROPYLBENZENE 13.858 120 209395 10.7929 PPBV 95 89) BROMOBENZENE 13.723 77 395444 10.9340 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 188840 10.7000 PPBV 100 91) N-PROPYLBENZENE 15.196 120 217891 11.0806 PPBV 99 92) 4-ETHYLTOLUENE 15.640 105 806644 11.4369 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 679318 11.4448 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 16.530 134 166903 11.7487 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 334977 11.0504 PPBV 99 95) TERT-BUTYLBENZENE 16.537 105 708272 11.8299 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 708272 11.8299 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 708272 11.8299 PPBV 98 97) BENZYL CHLORIDE 16.627 91 484680 9.1422 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 471489 11.5456 PPBV 99 99 PDICHLOROBENZENE 16.6591 146 485098 12.2050 PPBV 99 100) O-DICHLOROBENZENE 16.661 146 485098 12.2050 PPBV 99 100) 10.2,3-TRIMETHYLBENZENE 16.955 105 685444 11.4294 PPBV 98 103) PISOPROPYLTOLUENE 17.032 134 230824 11.7619 PPBV 98 103) PISOPROPYLTOLUENE 17.032 134 230824 11.7619 PPBV 98 104) N-BUTYLBENZENE 16.955 105 685643 13.4449 PPBV 98 105) HEXACHLOROBENZENE 17.092 146 454952 11.7983 PPBV 100 101) SEC-BUTYLBENZENE 16.955 105 685644 11.4294 PPBV 98 104) N-BUTYLBENZENE 17.092 146 595515 118.658 PPBV 95 105) HEXACHLOROBENZENE 18.318 180 440430 13.3622 PPBV 98 106) HEXACHLOROBENZENE 18.318 180 440430 13.3622 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 100 107			7.720	129	308813	10.7525 PPBV	99
75) OCTANE  9.058 43 306680 9.1008 PPBV 92  77) 1,1,1,2-TETRACHLOROETHANE 10.122 131 230635 11.0187 PPBV 98  78) CHLOROBENZENE 10.106 112 427241 11.2110 PPBV 98  79) ETHYLBENZENE 10.987 91 695436 10.7813 PPBV 99  80) M,P-XYLENE 11.415 91 1097231 21.6996 PPBV 97  81) O-XYLENE 12.347 91 562494 11.0762 PPBV 100  82) STYRENE 12.138 104 420070 11.5495 PPBV 99  83) NONANE 12.138 104 420070 11.5495 PPBV 99  84) BROMOFORM 11.222 173 295566 11.7725 PPBV 99  85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 409021 12.1023 PPBV 98  86) 1,2,3-TRICHLOROPROPANE 12.643 75 313260 11.6180 PPBV 100  88) ISOPROPYLBENZENE 13.858 120 209395 10.7929 PPBV 95  89) BROMOBENZENE 13.723 77 395444 10.9340 PPBV 100  90) 2-CHLOROTOLUENE 14.852 126 188840 10.7000 PPBV 100  91) N-PROPYLBENZENE 15.196 120 217891 11.0806 PPBV 99  92) 4-ETHYLTOLUENE 15.640 105 806644 11.4369 PPBV 99  93) 1,3,5-TRIMETHYLBENZENE 15.913 105 679318 11.448 PPBV 98  94) ALPHA-METHYLSTYRENE 16.215 118 334977 11.0504 PPBV 99  95) TERT-BUTYLBENZENE 16.530 134 166903 11.7487 PPBV 98  96) 1,2,4-TRIMETHYLBENZENE 16.530 134 166903 11.7487 PPBV 98  97) BENZYL CHLORIDE 16.627 91 484680 9.1422 PPBV 98  98) M-DICHLOROBENZENE 16.530 134 166903 11.7487 PPBV 98  99) P-DICHLOROBENZENE 16.659 105 685444 11.5456 PPBV 98  99) P-DICHLOROBENZENE 16.659 146 471489 11.5456 PPBV 98  99) P-DICHLOROBENZENE 16.659 146 485952 11.7983 PPBV 98  90) D-DICHLOROBENZENE 16.658 146 471489 11.5456 PPBV 98  100) O-DICHLOROBENZENE 16.659 134 209974 11.8608 PPBV 98  101) SEC-BUTYLBENZENE 16.655 105 685444 11.4294 PPBV 98  102) 1,2,3-TRIMETHYLBENZENE 16.658 134 209974 11.8608 PPBV 98  103) P-ISOPROPYLTOLUENE 17.032 134 230824 11.7619 PPBV 98  104) N-BUTYLBENZENE 16.655 105 685444 11.4294 PPBV 98  105) HEXACHLOROBENZENE 16.830 225 385663 13.4449 PPBV 98  106) HEXACHLOROBENZENE 18.360 225 385663 13.4449 PPBV 98  107) 1,2,4-TRICHLOROBENZENE 18.366 128 847180m 11.5805 PPBV  108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV  109) 100 TVHC as equiv Pentane 2.274 TIC 590358 10.1404 PPBV 100	74)	1.2-DIBROMOETHANE	8.058	107	287339	11.4823 PPBV	100
77) 1,1,1,2-TETRACHLOROETHANE 10.122 131 230635 11.0187 PPBV 98 78) CHLOROBENZENE 10.106 112 427241 11.2110 PPBV 98 79) ETHYLBENZENE 10.987 91 695436 10.7813 PPBV 99 80) M,P-XYLENE 11.415 91 1097231 21.6996 PPBV 97 81) O-XYLENE 12.347 91 562494 11.0762 PPBV 100 82) STYRENE 12.138 104 420070 11.5495 PPBV 99 83) NONANE 13.469 43 328457 9.4161 PPBV 94 84) BROMOFORM 11.222 173 295566 11.7725 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 409021 12.1023 PPBV 98 86) 1,2,3-TRICHLOROPROPANE 12.643 75 313260 11.6180 PPBV 100 88) ISOPROPYLBENZENE 13.858 120 209395 10.7929 PPBV 95 89) BROMOBENZENE 13.723 77 395444 10.9340 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 188840 10.7000 PPBV 100 91) N-PROPYLBENZENE 15.196 120 217891 11.0866 PPBV 99 92) 4-ETHYLTOLUENE 15.640 105 806644 11.4369 PPBV 99 92) 4-ETHYLTOLUENE 15.640 105 806644 11.4369 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 679318 11.4448 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 16.530 134 16.6903 11.7487 PPBV 99 94) ALPHA-METHYLSTYRENE 16.255 118 334977 11.0504 PPBV 99 95) TETR-BUTYLBENZENE 16.530 134 16.6903 11.7487 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.6537 105 708272 11.8299 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.657 91 484680 91.422 PPBV 98 98) M-DICHLOROBENZENE 16.657 91 484680 91.422 PPBV 98 98) M-DICHLOROBENZENE 16.657 91 484680 91.422 PPBV 98 98) M-DICHLOROBENZENE 16.657 91 484680 91.422 PPBV 98 98) M-DICHLOROBENZENE 16.659 146 471489 11.5466 PPBV 99 100) 0-DICHLOROBENZENE 16.695 105 685444 11.4294 PPBV 98 101) SEC-BUTYLBENZENE 16.695 105 685444 11.4294 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.860 134 209974 11.8658 PPBV 98 103) P-ISOPROPYLTOLUENE 17.395 134 230824 11.7619 PPBV 98 104) N-BUTYLBENZENE 16.860 134 209975 11.8658 PPBV 99 105) HEXACHLOROBENZENE 17.395 134 230824 11.7619 PPBV 98 106) HEXACHLOROBENZENE 18.838 180 440430 11.5805 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.838 180 440430 11.5805 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100	75)	OCTANE	9.058	43	306680	9.1008 PPBV	92
78) CHLOROBENZENE 10.106 112 427241 11.2110 PPBV 98 79) ETHYLBENZENE 10.987 91 695436 10.7813 PPBV 99 80) M,P-XYLENE 11.415 91 1097231 21.6996 PPBV 97 81) O-XYLENE 12.347 91 562494 11.0762 PPBV 100 82) STYRENE 12.138 104 420070 11.5495 PPBV 99 83) NONANE 13.469 43 328457 9.4161 PPBV 94 84) BROMOFORM 11.222 173 295566 11.7725 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 409021 12.1023 PPBV 98 86) 1,2,3-TRICHLOROPROPANE 12.643 75 313260 11.6180 PPBV 100 88) ISOPROPYLBENZENE 13.888 120 209395 10.7929 PPBV 95 89) BROMOBENZENE 13.723 77 395444 10.9340 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 188840 10.7000 PPBV 100 91) N-PROPYLBENZENE 15.196 120 217891 11.0806 PPBV 99 92) 4-ETHYLTOLUENE 15.640 105 806644 11.4369 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 679318 11.4448 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 334977 11.0504 PPBV 98 94) ALPHA-HETHYLSTYRENE 16.530 134 166903 11.7487 PPBV 98 95) TERT-BUTYLBENZENE 16.530 134 166903 11.7487 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.625 118 83497 11.0504 PPBV 98 97) BENZYL CHLORIDE 16.627 91 484680 9.1422 PPBV 98 98) M-DICHLOROBENZENE 16.537 105 708272 11.8299 PPBV 98 98) M-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100) O-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100) SEC-BUTYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.836 134 209974 11.8608 PPBV 98 103) P-ISOPROPYLTOLUENE 17.302 134 230824 11.7619 PPBV 98 104) N-BUTYLBENZENE 16.836 134 230824 11.7619 PPBV 98 105) HEXACHLOROBENZENE 17.395 134 230824 11.7619 PPBV 98 106) HEXACHLOROBENZENE 17.395 134 230824 11.7619 PPBV 98 107) HEXACHLOROBENZENE 17.395 134 230824 11.7619 PPBV 98 108) NAPHTHALENE 17.395 134 230824 11.7619 PPBV 98 109) D-DICHLOROBENZENE 17.395 134 230824 11.7619 PPBV 98 100) D-DICHLOROBENZENE 17.395 134 230824 11.7619 PPBV 98 105) HEXACHLOROBENZENE 17.395 134 230824 11.7619 PPBV			10.122	131	230635	11.0187 PPBV	98
79) ETHYLBENZENE 10.987 91 695436 10.7813 PPBV 99 80) M,P-XYLENE 11.415 91 1097231 21.6996 PPBV 97 81) O-XYLENE 12.347 91 562494 11.0762 PPBV 100 82) STYRENE 12.138 104 420070 11.5495 PPBV 99 83) NONANE 13.469 43 328457 9.4161 PPBV 94 84) BROMOFORM 11.222 173 295566 11.7725 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 409021 12.1023 PPBV 98 86) 1,2,3-TRICHLOROPROPANE 12.643 75 313260 11.6180 PPBV 100 88 ISOPROPYLBENZENE 13.858 120 209395 10.7929 PPBV 95 89) BROMOBENZENE 13.723 77 395444 10.9340 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 188840 10.7000 PPBV 100 91) N-PROPYLBENZENE 15.196 120 217891 11.0806 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.640 105 806644 11.4369 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 679318 11.4448 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 334977 11.0504 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.530 134 166903 11.7487 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.650 134 166903 11.7487 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.650 134 166903 11.7487 PPBV 98 97) BENZYL CHLORIDE 16.627 91 484680 9.1422 PPBV 98 98 M-DICHLOROBENZENE 16.537 105 708272 11.8299 PPBV 98 98 M-DICHLOROBENZENE 16.650 134 166903 11.7487 PPBV 98 98 M-DICHLOROBENZENE 16.650 134 166903 11.7487 PPBV 98 98 M-DICHLOROBENZENE 16.650 134 166903 11.7487 PPBV 98 99 P-DICHLOROBENZENE 16.650 134 166903 11.7487 PPBV 98 100 0-DICHLOROBENZENE 16.650 134 166903 11.7487 PPBV 98 100 0-DICHLOROBENZENE 16.650 134 166903 11.7487 PPBV 98 100 100 SCENERAL 16.691 146 485098 12.2050 PPBV 99 100 0-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100 0-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100 0-DICHLOROBENZENE 16.695 105 685444 11.4294 PPBV 98 103 P-ISOPROPYLITOLUENE 17.302 134 230824 11.7619 PPBV 98 100 17.2,3-TRIMETHYLBENZENE 16.955 105 685444 11.4294 PPBV 98 103 P-ISOPROPYLITOLUENE 17.302 134 230824 11.7619 PPBV 98 105) HEXACHLOROBENZENE 16.836 134 209974 11.8608 PPBV 98 105) HEXACHLOROBENZENE 17.395 134 227515 11.8658 PPBV 96 105) HEXACHLOROBENZENE 17.395 134 227515 11.8658 PPBV 96 105) HEXACHLOROBENZENE 17.395 134 227515 11.8658 PPBV 9			10.106	112	427241	11.2110 PPBV	98
80) M,P-XYLENE 11.415 91 1097231 21.6996 PPBV 97 81) O-XYLENE 12.347 91 562494 11.0762 PPBV 100 82) STYRENE 12.138 104 420070 11.5495 PPBV 99 83) NONANE 13.469 43 328457 9.4161 PPBV 94 84) BROMOFORM 11.222 173 295566 11.7725 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 409021 12.1023 PPBV 98 86) 1,2,3-TRICHLOROPROPANE 12.643 75 313260 11.6180 PPBV 100 88) ISOPROPYLBENZENE 13.858 120 209395 10.7929 PPBV 95 89) BROMOBENZENE 13.858 120 209395 10.7929 PPBV 95 89) BROMOBENZENE 14.852 126 188840 10.7000 PPBV 100 91) N-PROPYLBENZENE 15.196 120 217891 11.0806 PPBV 99 92) 4-ETHYLTOLUENE 15.640 105 806644 11.4369 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 679318 11.4448 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 334977 11.0504 PPBV 99 95) TERT-BUTYLBENZENE 16.530 134 166903 11.7487 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 708272 11.8299 PPBV 98 97) BENZYL CHLORIDE 16.527 91 484680 9.1422 PPBV 98 99 P-DICHLOROBENZENE 16.537 105 708272 11.8299 PPBV 98 99 P-DICHLOROBENZENE 16.537 105 708272 11.8299 PPBV 98 100 090) P-DICHLOROBENZENE 16.598 146 471489 11.5456 PPBV 99 100 0-DICHLOROBENZENE 16.598 146 471489 11.5456 PPBV 99 100 0-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100 0-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.537 105 708272 11.8299 PPBV 98 103) P-ISOPROPYLTOLUENE 17.009 146 454952 11.7983 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.836 134 209974 11.8608 PPBV 98 103) P-ISOPROPYLTOLUENE 17.032 134 230824 11.7619 PPBV 98 104 N-BUTYLBENZENE 17.032 134 230824 11.7619 PPBV 98 104 N-BUTYLBENZENE 17.032 134 230824 11.7619 PPBV 98 104 N-BUTYLBENZENE 17.032 134 230824 11.7619 PPBV 98 105) HEXACHLOROBENZENE 17.032 134 230824 11.7619 PPBV 98 105) HEXACHLOROBENZENE 17.395 134 227515 11.8658 PPBV 95 105) HEXACHLOROBENZENE 17.395 134 227515 11.8658 PPBV 95 105) HEXACHLOROBENZENE 17.395 134 227515 11.8658 PPBV 96 106) HEXACHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100 100 TVHC as equiv Pentane 2.274 TIC 590358 10.1404 PPBV 100		ETHYLBENZENE	10.987	91	695436	10.7813 PPBV	99
81) O-XYLENE 12.347 91 562494 11.0762 PPBV 100 82) STYRENE 12.138 104 420070 11.5495 PPBV 99 98 30 NONANE 13.469 43 328457 9.4161 PPBV 94 84) BROMOFORM 13.469 43 328457 9.4161 PPBV 94 84) BROMOFORM 11.222 173 295566 11.7725 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 409021 12.1023 PPBV 98 86) 1,2,3-TRICHLOROPROPANE 12.643 75 313260 11.6180 PPBV 100 88) ISOPROPYLBENZENE 13.858 120 209395 10.7929 PPBV 95 89) BROMOBENZENE 13.723 77 395444 10.9340 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 188840 10.7000 PPBV 100 91) N-PROPYLBENZENE 15.196 120 217891 11.0806 PPBV 99 92) 4-ETHYLTOLUENE 15.640 105 806644 11.4369 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 679318 11.4448 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 334977 11.0504 PPBV 99 95) TERT-BUTYLBENZENE 16.530 134 166903 11.7487 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 708272 11.8299 PPBV 98 97) BENZYL CHLORIDE 16.627 91 484680 9.1422 PPBV 98 99 1,2,2,4-TRIMETHYLBENZENE 16.537 105 708272 11.8299 PPBV 98 99 100 O-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100 O-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100 O-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100 O-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100 O-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 98 102 1,2,3-TRIMETHYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102 1,2,3-TRIMETHYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102 1,2,3-TRIMETHYLBENZENE 16.836 134 209974 11.8608 PPBV 98 103) P-ISOPROPYLTOLUENE 17.032 134 227515 11.8658 PPBV 98 104) N-BUTYLBENZENE 16.836 134 227515 11.8658 PPBV 98 105) HEXACHLOROETHANE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROETHANE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROETHANE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROETHANE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROENZENE 18.338 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 2.274 TIC 590358 10.1404 PPBV 100	80)	M,P-XYLENE	11.415	91	1097231	21.6996 PPBV	97
82) STYRENE 12.138 104 420070 11.5495 PPBV 99 83) NONANE 13.469 43 328457 9.4161 PPBV 94 84) BROMOFORM 11.222 173 295566 11.7725 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 409021 12.1023 PPBV 98 86) 1,2,3-TRICHLOROPROPANE 12.643 75 313260 11.6180 PPBV 100 88) ISOPROPYLBENZENE 13.858 120 209395 10.7929 PPBV 95 89 BROMOBENZENE 13.723 77 395444 10.9340 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 188840 10.7000 PPBV 100 91) N-PROPYLBENZENE 15.196 120 217891 11.0806 PPBV 99 92) 4-ETHYLTOLUENE 15.640 105 806644 11.4369 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 679318 11.4448 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 334977 11.0504 PPBV 99 95) TERT-BUTYLBENZENE 16.530 134 166903 11.7487 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 708272 11.8299 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 708272 11.8299 PPBV 98 97) BENZYL CHLORIDE 16.627 91 484680 9.1422 PPBV 98 99 PDICHLOROBENZENE 16.591 146 471489 11.5456 PPBV 99 100 O-DICHLOROBENZENE 16.691 146 471489 11.5456 PPBV 99 100 O-DICHLOROBENZENE 16.691 146 471489 11.5456 PPBV 99 100 O-DICHLOROBENZENE 16.691 146 471489 11.5456 PPBV 99 100 O-DICHLOROBENZENE 16.691 146 471489 11.5456 PPBV 99 100 O-DICHLOROBENZENE 16.691 146 471489 11.5456 PPBV 99 100 O-DICHLOROBENZENE 16.691 146 471489 11.5456 PPBV 99 100 O-DICHLOROBENZENE 17.009 146 474952 11.7983 PPBV 98 102 1.2,3-TRIMETHYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102 1.2,3-TRIMETHYLBENZENE 16.836 134 209974 11.8608 PPBV 98 103) P-ISOPROPYLTOLUENE 17.032 134 230824 11.7619 PPBV 98 103 P-ISOPROPYLTOLUENE 17.032 134 230824 11.7619 PPBV 98 104 N-BUTYLBENZENE 17.395 134 227515 11.8658 PPBV 95 105 HEXACHLOROETHANE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROBENZENE 17.395 134 227515 11.8658 PPBV 95 105 HEXACHLOROBENZENE 18.338 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108 108 NAPHTHALENE 18.366 128 8471	81)	O-XYLENE	12.347	91	562494	11.0762 PPBV	100
83) NONANE		STYRENE	12.138	104	420070	11.5495 PPBV	99
84) BROMOFORM 11.222 173 295566 11.7725 PPBV 99 85) 1,1,2,2-TETRACHLOROETHANE 12.360 83 409021 12.1023 PPBV 98 86) 1,2,3-TRICHLOROPROPANE 12.643 75 313260 11.6180 PPBV 100 88) ISOPROPYLBENZENE 13.858 120 209395 10.7929 PPBV 95 89) BROMOBENZENE 13.723 77 395444 10.9340 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 188840 10.7000 PPBV 100 91) N-PROPYLBENZENE 15.196 120 217891 11.0806 PPBV 99 92) 4-ETHYLTOLUENE 15.640 105 806644 11.4369 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 679318 11.4448 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 334977 11.0504 PPBV 99 95) TERT-BUTYLBENZENE 16.530 134 166903 11.7487 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 708272 11.8299 PPBV 98 97) BENZYL CHLORIDE 16.627 91 484680 9.1422 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 471489 11.5456 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100) O-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 101) SEC-BUTYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 685444 11.4294 PPBV 98 103) P-ISOPROPYLTOLUENE 17.032 134 230824 11.7619 PPBV 98 104) N-BUTYLBENZENE 16.836 134 230824 11.7619 PPBV 98 105) HEXACHLOROBENZENE 17.395 134 227515 11.8658 PPBV 98 106) HEXACHLOROBENZENE 17.395 134 227515 11.8658 PPBV 95 105) HEXACHLOROBENZENE 18.338 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100		NONANE	13.469	43	328457	9.4161 PPBV	94
86) 1,2,3-TRICHLOROETHANE 12.360 83 409021 12.1023 PPBV 98 86) 1,2,3-TRICHLOROPROPANE 12.643 75 313260 11.6180 PPBV 100 88) ISOPROPYLBENZENE 13.858 120 209395 10.7929 PPBV 95 89) BROMOBENZENE 13.723 77 395444 10.9340 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 188840 10.7000 PPBV 100 91) N-PROPYLBENZENE 15.196 120 217891 11.0806 PPBV 99 92) 4-ETHYLTOLUENE 15.640 105 806644 11.4369 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 679318 11.4448 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 334977 11.0504 PPBV 99 95) TERT-BUTYLBENZENE 16.530 134 166903 11.7487 PPBV 99 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 708272 11.8299 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.627 91 484680 9.1422 PPBV 98 98 M-DICHLOROBENZENE 16.6691 146 471489 11.5456 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100) O-DICHLOROBENZENE 16.836 134 209974 11.8608 PPBV 99 100 1) SEC-BUTYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102 1,2,3-TRIMETHYLBENZENE 16.955 105 685444 11.4294 PPBV 98 103) P-ISOPROPYLTOLUENE 17.032 134 230824 11.7619 PPBV 98 103) P-ISOPROPYLTOLUENE 17.395 134 227515 11.8658 PPBV 98 104 N-BUTYLBENZENE 16.836 134 209974 11.8608 PPBV 98 104 N-BUTYLBENZENE 17.395 134 227515 11.8658 PPBV 95 105 HEXACHLOROBENZENE 17.395 134 227515 11.8658 PPBV 95 105 HEXACHLOROBENZENE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROBENZENE 18.338 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100 17.2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 100 100 100 100 100 100 100 100 100 10		BROMOFORM	11.222	173	295566	11.7725 PPBV	99
86) 1,2,3-TRICHLOROPROPANE 12.643 75 313260 11.6180 PPBV 100 88) ISOPROPYLBENZENE 13.858 120 209395 10.7929 PPBV 95 89) BROMOBENZENE 13.723 77 395444 10.9340 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 188840 10.7000 PPBV 100 91) N-PROPYLBENZENE 15.196 120 217891 11.0806 PPBV 99 92) 4-ETHYLTOLUENE 15.640 105 806644 11.4369 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 679318 11.4448 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 334977 11.0504 PPBV 99 95) TERT-BUTYLBENZENE 16.530 134 166903 11.7487 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.530 134 166903 11.7487 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 708272 11.8299 PPBV 98 97) BENZYL CHLORIDE 16.627 91 484680 9.1422 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 471489 11.5456 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100) O-DICHLOROBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.836 134 209974 11.8608 PPBV 98 103) P-ISOPROPYLTOLUENE 17.032 134 230824 11.7619 PPBV 98 104) N-BUTYLBENZENE 17.395 134 227515 11.8658 PPBV 98 104) N-BUTYLBENZENE 17.395 134 227515 11.8658 PPBV 95 105 HEXACHLOROBENZENE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100 100 TVHC as equiv Pentane 2.274 TIC 590358 10.1404 PPBV 100		1,1,2,2-TETRACHLOROETHANE	12.360	83	409021	12.1023 PPBV	98
88) ISOPROPYLBENZENE 13.858 120 209395 10.7929 PPBV 95 89) BROMOBENZENE 13.723 77 395444 10.9340 PPBV 100 90) 2-CHLOROTOLUENE 14.852 126 188840 10.7000 PPBV 100 91) N-PROPYLBENZENE 15.196 120 217891 11.0806 PPBV 99 92) 4-ETHYLTOLUENE 15.640 105 806644 11.4369 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 679318 11.4448 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 334977 11.0504 PPBV 99 95) TERT-BUTYLBENZENE 16.530 134 166903 11.7487 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 708272 11.8299 PPBV 98 97) BENZYL CHLORIDE 16.627 91 484680 9.1422 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 471489 11.5456 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 100 99) P-DICHLOROBENZENE 16.836 134 209974 11.8608 PPBV 98 100) O-DICHLOROBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 685444 11.4294 PPBV 98 103) P-ISOPROPYLTOLUENE 17.032 134 230824 11.7619 PPBV 98 104) N-BUTYLBENZENE 17.395 134 227515 11.8658 PPBV 98 105) HEXACHLOROBUTADIENE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100) TVHC as equiv Pentane 2.274 TIC 590358 10.1404 PPBV 100	86)	1,2,3-TRICHLOROPROPANE	12.643	75	313260	11.6180 PPBV	T00
BROMOBENZENE   13.723		ISOPROPYLBENZENE	13.858	120	209395	10.7929 PPBV	
91) N-PROPYLBENZENE 15.196 120 217891 11.0806 PPBV 99 92) 4-ETHYLTOLUENE 15.640 105 806644 11.4369 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.913 105 679318 11.4448 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 334977 11.0504 PPBV 99 95) TERT-BUTYLBENZENE 16.530 134 166903 11.7487 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 708272 11.8299 PPBV 98 97) BENZYL CHLORIDE 16.627 91 484680 9.1422 PPBV 98 98 M-DICHLOROBENZENE 16.598 146 471489 11.5456 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100) O-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100) O-DICHLOROBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 685444 11.4294 PPBV 98 103) P-ISOPROPYLTOLUENE 17.032 134 230824 11.7619 PPBV 98 104) N-BUTYLBENZENE 17.395 134 227515 11.8658 PPBV 95 105) HEXACHLOROBETHANE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROBETIANE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROBETIANE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROBETIANE 17.572 117 258973 11.3373 PPBV 96 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100 17VHC as equiv Pentane 2.274 TIC 590358 10.1404 PPBV 100		BROMOBENZENE	14 052	126	395444	10.9340 PPBV	
92) 4-ETHYLTOLUENE 15.640 105 806644 11.4369 PPBV 99 93 1,3,5-TRIMETHYLBENZENE 15.913 105 679318 11.4448 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 334977 11.0504 PPBV 99 95) TERT-BUTYLBENZENE 16.530 134 166903 11.7487 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 708272 11.8299 PPBV 98 97) BENZYL CHLORIDE 16.627 91 484680 9.1422 PPBV 98 98 M-DICHLOROBENZENE 16.598 146 471489 11.5456 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100) O-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100) O-DICHLOROBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 685444 11.4294 PPBV 98 103) P-ISOPROPYLTOLUENE 17.032 134 230824 11.7619 PPBV 98 104) N-BUTYLBENZENE 17.395 134 227515 11.8658 PPBV 95 105) HEXACHLOROBETHANE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROBETIANE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROBETIANE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROBETIANE 18.630 225 385663 13.4449 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100 17VHC as equiv Pentane 2.274 TIC 590358 10.1404 PPBV 100		N DDODYLDENZENE	15 106	120	217001	10.7000 PPBV	
93) 1,3,5-TRIMETHYLBENZENE 15.913 105 679318 11.4448 PPBV 98 94) ALPHA-METHYLSTYRENE 16.215 118 334977 11.0504 PPBV 99 95) TERT-BUTYLBENZENE 16.530 134 166903 11.7487 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 708272 11.8299 PPBV 98 97) BENZYL CHLORIDE 16.627 91 484680 9.1422 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 471489 11.5456 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100) O-DICHLOROBENZENE 17.009 146 454952 11.7983 PPBV 100 101) SEC-BUTYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 685444 11.4294 PPBV 98 103) P-ISOPROPYLTOLUENE 17.032 134 230824 11.7619 PPBV 98 104) N-BUTYLBENZENE 17.395 134 227515 11.8658 PPBV 95 105) HEXACHLOROBETHANE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROBUTADIENE 18.630 225 385663 13.4449 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV		A-FTHVI.TOLIIFNE	15.190	105	806644	11.0000 PPBV	
94) ALPHA-METHYLSTYRENE 16.513 118 334977 11.0504 PPBV 99 95) TERT-BUTYLBENZENE 16.530 134 166903 11.7487 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 708272 11.8299 PPBV 98 97) BENZYL CHLORIDE 16.627 91 484680 9.1422 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 471489 11.5456 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100) O-DICHLOROBENZENE 17.009 146 454952 11.7983 PPBV 100 101) SEC-BUTYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 685444 11.4294 PPBV 98 103) P-ISOPROPYLTOLUENE 17.032 134 230824 11.7619 PPBV 98 104) N-BUTYLBENZENE 17.395 134 227515 11.8658 PPBV 95 105) HEXACHLOROBETHANE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROBUTADIENE 18.630 225 385663 13.4449 PPBV 90 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100 TVHC as equiv Pentane 2.274 TIC 590358 10.1404 PPBV 100	93)	1 3 5-TRIMETHVI.RENZENE	15 913	105	679318	11 4448 DDRV	
95) TERT-BUTYLBENZENE 16.530 134 166903 11.7487 PPBV 98 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 708272 11.8299 PPBV 98 97) BENZYL CHLORIDE 16.627 91 484680 9.1422 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 471489 11.5456 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100) O-DICHLOROBENZENE 17.009 146 454952 11.7983 PPBV 100 101) SEC-BUTYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 685444 11.4294 PPBV 98 103) P-ISOPROPYLTOLUENE 17.032 134 230824 11.7619 PPBV 98 104) N-BUTYLBENZENE 17.395 134 227515 11.8658 PPBV 95 105) HEXACHLOROETHANE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROBUTADIENE 18.630 225 385663 13.4449 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 110) TVHC as equiv Pentane 2.274 TIC 590358 10.1404 PPBV 100	94)	ALPHA-METHYLSTYRENE	16.215	118	334977	11.0504 PPBV	
96) 1,2,4-TRIMETHYLBENZENE 16.537 105 708272 11.8299 PPBV 98 97) BENZYL CHLORIDE 16.627 91 484680 9.1422 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 471489 11.5456 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100) O-DICHLOROBENZENE 17.009 146 454952 11.7983 PPBV 100 101) SEC-BUTYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 685444 11.4294 PPBV 98 103) P-ISOPROPYLTOLUENE 17.032 134 230824 11.7619 PPBV 98 104) N-BUTYLBENZENE 17.395 134 227515 11.8658 PPBV 95 105) HEXACHLOROETHANE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROBUTADIENE 18.630 225 385663 13.4449 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100 TVHC as equiv Pentane 2.274 TIC 590358 10.1404 PPBV 100		TERT-BUTYLBENZENE	16.530	134	166903	11.7487 PPBV	
97) BENZYL CHLORIDE 16.627 91 484680 9.1422 PPBV 98 98) M-DICHLOROBENZENE 16.598 146 471489 11.5456 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100) O-DICHLOROBENZENE 17.009 146 454952 11.7983 PPBV 100 101) SEC-BUTYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 685444 11.4294 PPBV 98 103) P-ISOPROPYLTOLUENE 17.032 134 230824 11.7619 PPBV 98 104) N-BUTYLBENZENE 17.395 134 227515 11.8658 PPBV 95 105) HEXACHLOROETHANE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROBUTADIENE 18.630 225 385663 13.4449 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 110) TVHC as equiv Pentane 2.274 TIC 590358 10.1404 PPBV 100		1,2,4-TRIMETHYLBENZENE	16.537	105	708272	11.8299 PPBV	
98) M-DICHLOROBENZENE 16.598 146 471489 11.5456 PPBV 100 99) P-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100) O-DICHLOROBENZENE 17.009 146 454952 11.7983 PPBV 100 101) SEC-BUTYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 685444 11.4294 PPBV 98 103) P-ISOPROPYLTOLUENE 17.032 134 230824 11.7619 PPBV 98 104) N-BUTYLBENZENE 17.395 134 227515 11.8658 PPBV 95 105) HEXACHLOROBUTADIENE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROBUTADIENE 18.630 225 385663 13.4449 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100 17VHC as equiv Pentane 2.274 TIC 590358 10.1404 PPBV 100		BENZYL CHLORIDE	16.627	91	484680	9.1422 PPBV	
99) P-DICHLOROBENZENE 16.691 146 485098 12.2050 PPBV 99 100) O-DICHLOROBENZENE 17.009 146 454952 11.7983 PPBV 100 101) SEC-BUTYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 685444 11.4294 PPBV 98 103) P-ISOPROPYLTOLUENE 17.032 134 230824 11.7619 PPBV 98 104) N-BUTYLBENZENE 17.395 134 227515 11.8658 PPBV 95 105) HEXACHLOROETHANE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROBUTADIENE 18.630 225 385663 13.4449 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100 17VHC as equiv Pentane 2.274 TIC 590358 10.1404 PPBV 100		M-DICHLOROBENZENE	16.598	146	471489	11.5456 PPBV	
100) O-DICHLOROBENZENE       17.009       146       454952       11.7983       PPBV       100         101) SEC-BUTYLBENZENE       16.836       134       209974       11.8608       PPBV       98         102) 1,2,3-TRIMETHYLBENZENE       16.955       105       685444       11.4294       PPBV       98         103) P-ISOPROPYLTOLUENE       17.032       134       230824       11.7619       PPBV       98         104) N-BUTYLBENZENE       17.395       134       227515       11.8658       PPBV       95         105) HEXACHLOROETHANE       17.572       117       258973       11.3373       PPBV       96         106) HEXACHLOROBUTADIENE       18.630       225       385663       13.4449       PPBV       100         107) 1,2,4-TRICHLOROBENZENE       18.318       180       440430       13.3622       PPBV       99         108) NAPHTHALENE       18.366       128       847180m       11.5805       PPBV         110) TVHC as equiv Pentane       2.274       TIC       590358       10.1404       PPBV       100	99)	P-DICHLOROBENZENE	16.691	146	485098	12.2050 PPBV	99
101) SEC-BUTYLBENZENE 16.836 134 209974 11.8608 PPBV 98 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 685444 11.4294 PPBV 98 103) P-ISOPROPYLTOLUENE 17.032 134 230824 11.7619 PPBV 98 104) N-BUTYLBENZENE 17.395 134 227515 11.8658 PPBV 95 105) HEXACHLOROETHANE 17.572 117 258973 11.3373 PPBV 96 106) HEXACHLOROBUTADIENE 18.630 225 385663 13.4449 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 100 17 TVHC as equiv Pentane 2.274 TIC 590358 10.1404 PPBV 100	100)	O-DICHLOROBENZENE	17.009	146	454952	11.7983 PPBV	100
102) 1,2,3-TRIMETHYLBENZENE       16.955       105       685444       11.4294       PPBV       98         103) P-ISOPROPYLTOLUENE       17.032       134       230824       11.7619       PPBV       98         104) N-BUTYLBENZENE       17.395       134       227515       11.8658       PPBV       95         105) HEXACHLOROETHANE       17.572       117       258973       11.3373       PPBV       96         106) HEXACHLOROBUTADIENE       18.630       225       385663       13.4449       PPBV       100         107) 1,2,4-TRICHLOROBENZENE       18.318       180       440430       13.3622       PPBV       99         108) NAPHTHALENE       18.366       128       847180m       11.5805       PPBV         10) TVHC as equiv Pentane       2.274       TIC       590358       10.1404       PPBV       100	101)	SEC-BUTYLBENZENE	16.836	134	209974	11.8608 PPBV	98
103) P-ISOPROPYLTOLUENE       17.032       134       230824       11.7619       PPBV       98         104) N-BUTYLBENZENE       17.395       134       227515       11.8658       PPBV       95         105) HEXACHLOROETHANE       17.572       117       258973       11.3373       PPBV       96         106) HEXACHLOROBUTADIENE       18.630       225       385663       13.4449       PPBV       100         107) 1,2,4-TRICHLOROBENZENE       18.318       180       440430       13.3622       PPBV       99         108) NAPHTHALENE       18.366       128       847180m       11.5805       PPBV         110) TVHC as equiv Pentane       2.274       TIC       590358       10.1404       PPBV       100	102)	1,2,3-TRIMETHYLBENZENE	16.955	105	685444	11.4294 PPBV	
104) N-BUTYLBENZENE       17.395       134       227515       11.8658       PPBV       95         105) HEXACHLOROETHANE       17.572       117       258973       11.3373       PPBV       96         106) HEXACHLOROBUTADIENE       18.630       225       385663       13.4449       PPBV       100         107) 1,2,4-TRICHLOROBENZENE       18.318       180       440430       13.3622       PPBV       99         108) NAPHTHALENE       18.366       128       847180m       11.5805       PPBV         110) TVHC as equiv Pentane       2.274       TIC       590358       10.1404       PPBV       100	103)	P-ISOPROPYLTOLUENE	17.032	134	230824	11.7619 PPBV	
105) HEXACHLOROETHANE       17.572       117       258973       11.3373       PPBV       96         106) HEXACHLOROBUTADIENE       18.630       225       385663       13.4449       PPBV       100         107) 1,2,4-TRICHLOROBENZENE       18.318       180       440430       13.3622       PPBV       99         108) NAPHTHALENE       18.366       128       847180m       11.5805       PPBV         110) TVHC as equiv Pentane       2.274       TIC       590358       10.1404       PPBV       100	TO4)	N-BUTYLBENZENE	17.395	134	227515	11.8658 PPBV	
106) HEXACHLOROBUTADIENE 18.630 225 385663 13.4449 PPBV 100 107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 110) TVHC as equiv Pentane 2.274 TIC 590358 10.1404 PPBV 100	105)	HEXACHLOROETHANE	17.572	117	258973	11.3373 PPBV	
107) 1,2,4-TRICHLOROBENZENE 18.318 180 440430 13.3622 PPBV 99 108) NAPHTHALENE 18.366 128 847180m 11.5805 PPBV 110) TVHC as equiv Pentane 2.274 TIC 590358 10.1404 PPBV 100	106)	HEXACHLOROBUTADIENE	18.630	225	385663	13.4449 PPBV	
108) NAPHTHALENE 18.366 128 84/180m 11.5805 PPBV 110) TVHC as equiv Pentane 2.274 TIC 590358 10.1404 PPBV 100		1,2,4-TRICHLOROBENZENE	18.318	T80	440430	13.3622 PPBV	99
TIU) TVHC as equiv Pentane 2.2/4 TIC 590358 10.1404 PPBV 100	T08)	NAPHTHALENE	T8.366	128	847180m	11.58U5 PPBV	100
		ivhe as equiv rentane	2.2/4		590358	TO.1404 PPBV	

285 of 516

Data Path : X:\Dayton VOA GCMS\kristelv\020425\v7w440\

Data File : 7w12382.D

Inst : MS7W

Acq On : 4 Feb 2025 12:07 pm Operator : williamc Sample : bsd Misc : MS89217, v7w440,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 21:55:29 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min) (#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : X:\Dayton VOA GCMS\kristelv\020425\v7w440\

Data File: 7w12382.D

4 Feb 2025 12:07 pm Acq On

: williamc Operator

: bsd : MS7W Sample Inst

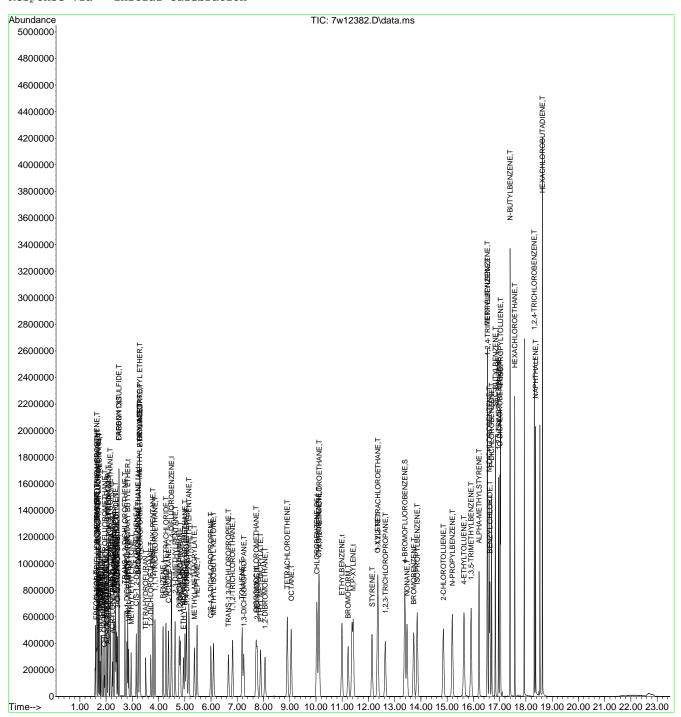
Misc : MS89217, v7w440,,,,,1 Sample Multiplier: 1 ALS Vial : 2

Quant Time: Feb 04 21:55:29 2025

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration



# **Manual Integration Approval Summary**

Sample Number: V7W440-BSD Method: TO-15

Lab FileID:7W12382.DAnalyst approved:02/04/25 17:02Kristel ValladolidInjection Time:02/04/25 12:07Supervisor approved:02/04/25 17:23Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Naphthalene	91-20-3		18.37	Missed peak

#### Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\020425\v7w440\

Data File: 7w12382.D

: 4 Feb 2025 12:07 pm Acq On

Operator : williamc

: bsd : MS7W Inst. Sample

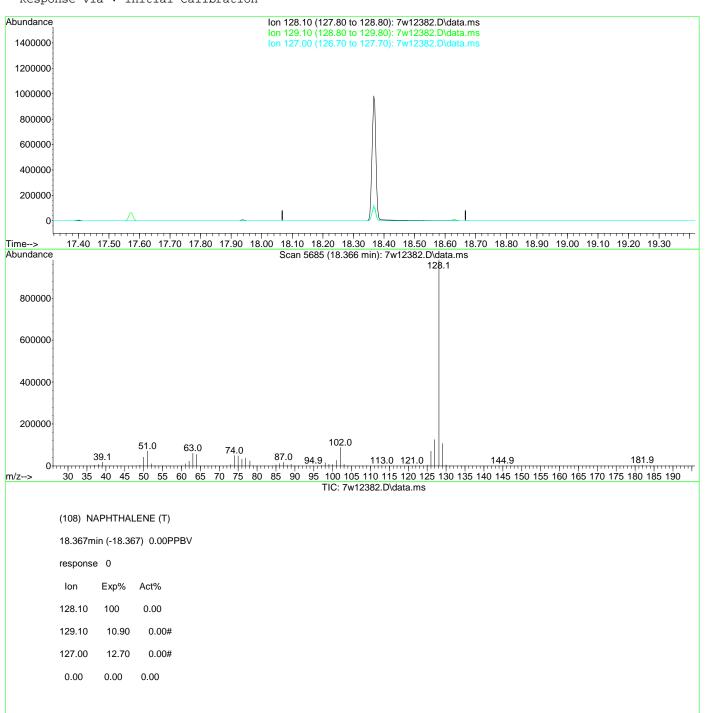
Misc : MS89217, v7w440,,,,,1 Sample Multiplier: 1 ALS Vial : 2

Quant Time: Feb 04 21:52:15 2025

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration



M7W405.M Tue Feb 04 21:55:26 2025

Page: 1

#### Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\020425\v7w440\

Data File: 7w12382.D

: 4 Feb 2025 12:07 pm Acq On

Operator : williamc

: bsd : MS7W Inst. Sample

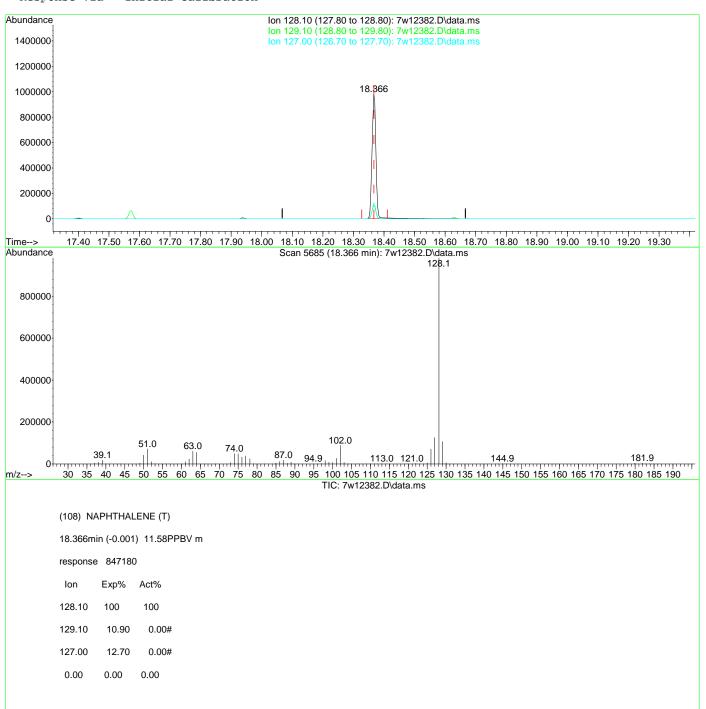
Misc : MS89217, v7w440,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 21:52:15 2025

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration



M7W405.M Tue Feb 04 21:55:35 2025

Page: 1

Data Path : X:\Dayton VOA GCMS\luckyc\06 Jan 2025\v7w411\

Data File : 7w11432.D

8:22 pm

Inst : MS7W

Acq On : 3 Jan 2025 8:22 pm
Operator : benk
Sample : bs
Misc : MS88278, v7w411,,,,,1 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 05 11:58:25 2025

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc Units Dev	(Min)
Internal Standa						
<ol> <li>BROMOCHLOR</li> </ol>	OMETHANE	3.229	128	137043	10.00 PPBV	0.00
52) 1,4-DIFLUO 76) CHLOROBENZ	ROBENZENE	3.229 4.496	114	670135	10.00 PPBV 10.00 PPBV	0.00
76) CHLOROBENZ	ENE-D5	10.036	TT /	644137	10.00 PPBV	0.00
109) BROMOCHLOR	OMETHANE (A)	3.229	128	137043	10.00 PPBV	0.00
System Monitori 87) 4-BROMOFLU		13.383	95	477006	10.21 PPBV	0.00
Target Compound	S	1 625	65	74747		ralue 96
4) CHIORODIEI.	UOROMETHANE	1 638	67	38159	11 5179 DDRV	99
5) CHIORODII	THOPOFTHEME	1 650	116	176332	11 0492 DDBV	99
6) DICHLORODI	LUOROETHENE FLUOROMETHANE	1 667	85	380277	11 1292 DDRV	100
7) PROPYLENE	I LOOKOMETIMANE	1 647	41	98628	11.0492 PPBV 11.1292 PPBV 10.9669 PPBV 10.9792 PPBV 11.7383 PPBV	100
8) 1-CHI.ORO-1	,1-DIFLUOROE	1 702	65	277853	10.3003 IIBV	100
9) FREON 114	, i bii bookob	1 737	85	318153	11 7383 DDRV	98
10) CHLOROMETH	ANE	1 708	52	38170	10 7607 PDBV	100
11) VINVI CHIO	DIDE	1 769	62	135027	11 7805 DDBV	100
12) 1 3-BUTADT	,1-DIFLUOROE  ANE RIDE ENE	1 808	54	107464	11 0036 PPRV	99
13) N-RITANE	D14D	1 824	43	203187	11.0030 TIBV	98
14) BROMOMETHA	NE.	1 885	94	109817	10 7169 PPRV	99
14) BROMOMETHA 15) CHLOROETHA	NE.	1 933	64	69773	11 2485 PPRV	97
	UOROMETHANE	1.956	67	282353	11.6850 PPBV	99
17) ACETONITRI	T.F.	2.023	41	116559	10.5823 PPBV	99
18) ACROLEIN		2.062	56	61046	10.5523 PPBV	98
19) FREON 123		2.078	83	286790	10.9983 PPBV	99
20) FREON 123A		2.094	117	179589	11.0618 PPBV	91
21) TOTALL ODGE	LUOROMETHANE ALCOHOL	2.158	101	338810	11.2594 PPBV	100
22) ISOPROPYL	E ROETHYLENE ULFIDE	2.178	45	276656	10.8971 PPBV	100
23) ACETONE		2.101	58	68264	8.5734 PPBV	99
24) PENTANE		2.274	42	146525	12.0153 PPBV	98
25) IODOMETHAN	E	2.335	142	309559	11.2250 PPBV	98
26) 1,1-DICHLO	ROETHYLENE	2.361	96	121893	10.2581 PPBV	96
27) CARBON DIS	ULFIDE	2.496	76	342789	11.5841 PPBV	99
28) ETHANOL	ULFIDE  E ILE CHLORIDE OPENE	1.962	45	74991	10.7902 PPBV	99
29) BROMOETHEN	E	2.033	106	116057	10.6310 PPBV	99
30) ACRYLONITR	ILE	2.242	52	97776	9.9216 PPBV	98
31) METHYLENE	CHLORIDE	2.400	84	108676	10.0191 PPBV	96
32) 3-CHLOROPR	OPENE	2.441	76	60038	10.6395 PPBV	93
33) FREON 113		2.496	151	193743	10.7685 PPBV	97
34) TRANS-1,2-	DICHLOROETHENE	2.721	96	126703	10.2427 PPBV	98
35) TERTIARY B	UTYL ALCOHOL	2.377	59	301136	10.3136 PPBV	98
36) METHYL TER	TIARY BUTYL	2.827	73	389995	11.0251 PPBV	100
37) TETRAHYDRO	FURAN	3.509	72	63978	11.6715 PPBV	94
38) HEXANE		3.281	57	247796	10.9789 PPBV	98
39) VINYL ACET	ATE	2.863	86	33692	10.0633 PPBV	81
40) 1,1-DICHLO	CHLORIDE OPENE  DICHLOROETHENE UTYL ALCOHOL TIARY BUTYL FURAN  ATE ROETHANE YL KETONE	3.281 2.863 2.795	63	254511	11.4991 PPBV	100
41) METHYL ETH	YL KETONE	2.959	72	67901	11.1523 PPBV	89
42) CIS-1,2-DI	CHLOROETHENE	3.152	96	139897	10.9799 PPBV	95
43) DIISOPROPY		3.281	59	71923	11.5066 PPBV	96
44) ETHYL ACET		3.287	61	49056	11.3441 PPBV	79
45) METHYL ACR		3.274	55	296178	11.6803 PPBV	
46) CHLOROFORM		3.300	83	287604	11.4818 PPBV	99
47) 2,4-DIMETH		3.789	57	288730	11.5704 PPBV	99
48) 1,1,1-TRIC		3.866	97	304233	11.3261 PPBV	99
49) CARBON TET		4.284	117	308380	11.5758 PPBV	100
50) 1,2-DICHLO	ROETHANE	3.705	62	231556	12.3471 PPBV	100

M7W405.M Sun Jan 05 13:58:04 2025

Data Path : X:\Dayton VOA GCMS\luckyc\06 Jan 2025\v7w411\

Data File : 7w11432.D

Inst : MS7W

Data File : /wil+32.D

Acq On : 3 Jan 2025 8:22 pm

Operator : benk

Sample : bs

Misc : MS88278, v7w411, , , , , 1 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 05 11:58:25 2025

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units Dev(Mi	n)
51)	BENZENE	4.174	 78	409115	11.1779 PPBV	98
53)	CYCLOHEXANE	4.380	84	180711	11.4137 PPBV	93
54)	2,3-DIMETHYLPENTANE	4.634	71	95138	11.4449 PPBV	92
	TRICHLOROETHENE	5.062	95	191405	11.2363 PPBV	99
	1,2-DICHLOROPROPANE	4.830	63	166328	11.4452 PPBV	100
	DIBROMOMETHANE	4.792	174	170568	10.6565 PPBV	98
	ETHYL ACRYLATE	4.949	55	369990	11.9820 PPBV	99
	BROMODICHLOROMETHANE	5.010	83	315032	11.6082 PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	782318	12.1404 PPBV	100
	1,4-DIOXANE	5.078	88	100113	10.5401 PPBV	99
62)	HEPTANE	5.470	43	287417	12.6916 PPBV	96
63)	METHYL METHACRYLATE	5.371	69	158756	10.9077 PPBV	92
	METHYL ISOBUTYL KETONE	6.097	58	151831	11.2302 PPBV	97
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	261976	11.5110 PPBV	97
66)	TOLUENE	7.190	91	522059	11.0252 PPBV	100
67)	1,3-DICHLOROPROPANE	7.248	76	259809	11.7482 PPBV	99
	TRANS-1,3-DICHLOROPROPENE	6.663	75	231500	10.8202 PPBV	99
	1,1,2-TRICHLOROETHANE	6.821	83	149157	11.4595 PPBV	99
70)	2-HEXANONE	7.760	58	209104	9.9047 PPBV	97
71)	ETHYL METHACRYLATE	7.891	69	268996	10.6307 PPBV	95
72)	TETRACHLOROETHENE	8.907	164	216252	12.0534 PPBV	97
	DIBROMOCHLOROMETHANE	7.721	129	309265	11.3092 PPBV	100
	1,2-DIBROMOETHANE	8.059	107	287355	12.0598 PPBV	100
	OCTANE	9.059	43	399161	12.4403 PPBV	96
77)	1,1,1,2-TETRACHLOROETHANE	10.120	131	226364	10.9954 PPBV	98
	CHLOROBENZENE	10.110	112	426768	11.3857 PPBV	98
79)	ETHYLBENZENE	10.988	91	707594	11.1531 PPBV	99
80)	M,P-XYLENE	11.415	91	1116986	22.4594 PPBV	97
81)	O-XYLENE	12.348	91	567597	11.3635 PPBV	99
82)	STYRENE	12.139	104	431297	12.0564 PPBV	100
83)	NONANE	13.470	43	420415	12.2537 PPBV	97
84)	BROMOFORM	11.226	173	274837	11.1298 PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.361	83	391808	11.7867 PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.640	75	314004	11.8402 PPBV	100
88)	ISOPROPYLBENZENE	13.856	120	214360	11.2334 PPBV	97
89)	BROMOBENZENE	13.724	77	395401	11.1155 PPBV	98
90)	2-CHLOROTOLUENE	14.852	126	190618	10.9812 PPBV	99
91)	N-PROPYLBENZENE	15.193	120	224263	11.5952 PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	830089	11.9659 PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	690218	11.8228 PPBV	98
94)	ALPHA-METHYLSTYRENE	16.213	118	343215	11.5113 PPBV	100
95)	TERT-BUTYLBENZENE	16.528	134	163567	11.7062 PPBV	97
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	708049	12.0238 PPBV	98
97)	BENZYL CHLORIDE	16.627	91	532134	10.2050 PPBV	98
98)	M-DICHLOROBENZENE	16.598	146	455847	11.3490 PPBV	100
99)	P-DICHLOROBENZENE	16.692	146	460425	11.7778 PPBV	100
100)	O-DICHLOROBENZENE	17.007	146	432056	11.3917 PPBV	100
101)	SEC-BUTYLBENZENE	16.836	134	204017	11.7169 PPBV	94
	1,2,3-TRIMETHYLBENZENE	16.955	105	679624	11.5217 PPBV	98
103)	P-ISOPROPYLTOLUENE	17.029	134	221049	11.4520 PPBV	97
,	N-BUTYLBENZENE	17.393	134	218218	11.5711 PPBV	95
105)	HEXACHLOROETHANE	17.573		237331	10.5635 PPBV	97
106)	HEXACHLOROBUTADIENE	18.627		352394	12.4903 PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.319		404140	12.4661 PPBV	100
108)	NAPHTHALENE	18.364		853844	11.8666 PPBV	100
110)	TVHC as equiv Pentane	2.274		686391	12.4661 PPBV 11.8666 PPBV 11.7958 PPBV	100

Data Path : X:\Dayton VOA GCMS\luckyc\06 Jan 2025\v7w411\

Data File : 7w11432.D

Inst : MS7W

Acq On : 3 Jan 2025 8:22 pm
Operator : benk
Sample : bs
Misc : MS88278, v7w411, , , , , 1 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 05 11:58:25 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min) (#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path: X:\Dayton VOA GCMS\luckyc\06 Jan 2025\v7w411\

Data File: 7w11432.D

3 Jan 2025 Acq On 8:22 pm

: benk Operator

: bs : MS7W Sample Inst

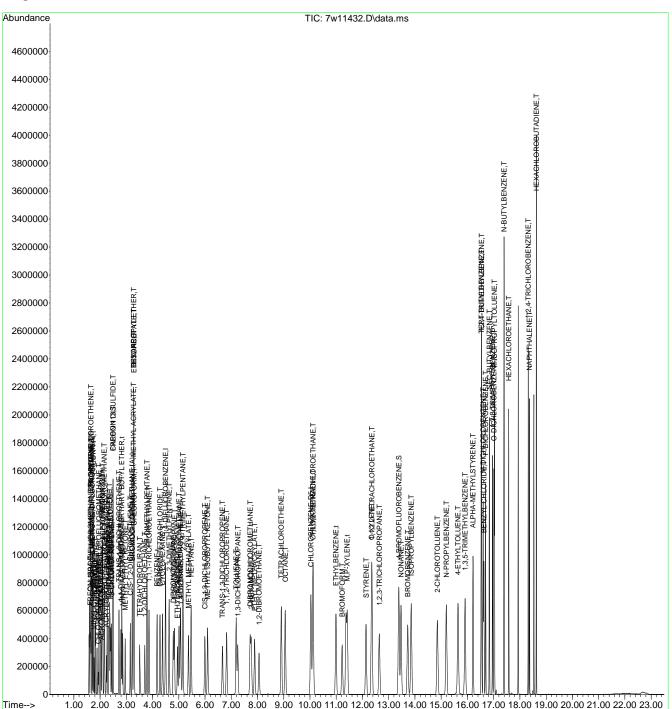
Misc : MS88278, v7w411,,,,,1 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 05 11:58:25 2025

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration



Data Path : X:\Dayton VOA GCMS\luckyc\06 Jan 2025\v7w411\

Data File : 7w11433.D

Inst : MS7W

Acq On : 3 Jan 2025 8:59 pm
Operator : benk
Sample : bsd
Misc : MS88278, v7w411, , , , , 1 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 05 11:58:32 2025

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units Dev	(Min)
Internal Standards 1) BROMOCHLOROMETHANE 52) 1,4-DIFLUOROBENZENE 76) CHLOROBENZENE-D5 109) BROMOCHLOROMETHANE (A)					
1) BROMOCHLOROMETHANE	3.229	128	134221	10.00 PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	656684	10.00 PPBV	
76) CHLOROBENZENE-D5	10.033	117	632007	10.00 PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	134221	10.00 PPBV	0.00
System Monitoring Compounds 87) 4-BROMOFLUOROBENZENE	13.386	95	471593	10.28 PPBV	0.00
67) 4-BROMOT HOOROBENZENE	13.300	93	471393	10.20 FFBV	0.00
Target Compounds	1 (05	<b>6</b> F	74570		alue 96
3) FREON 152A 4) CHLORODIFLUOROMETHANE	1.025	67	74578 37908	11.6678 PPBV	
	1.636				
5) CHLOROTRIFLUOROETHENE	1.647	110	173526	11.1020 PPBV	98
6) DICHLORODIFLUOROMETHANE	1 (10	4 1	376951		
7) PROPYLENE	1.647	41	98862	11.2240 PPBV	
8) 1-CHLORO-1,1-DIFLUOROE 9) FREON 114	1.702	05	2/5362	11.1095 PPBV	99
9) FREON 114	1.737	85	315791	11.8961 PPBV	98
10) CHLOROMETHANE	1.708	52	37412	10.7687 PPBV	
11) VINYL CHLORIDE	1.769	62	131087	11.6772 PPBV	
12) 1,3-BUTADIENE	1.808	54	106409	11.1246 PPBV	
13) N-BUTANE	1.824	43	200262	11.5043 PPBV	
14) BROMOMETHANE	1.882	94	108724	10.8333 PPBV	99
7) PROPYLENE 8) 1-CHLORO-1,1-DIFLUOROE 9) FREON 114 10) CHLOROMETHANE 11) VINYL CHLORIDE 12) 1,3-BUTADIENE 13) N-BUTANE 14) BROMOMETHANE 15) CHLOROETHANE 16) DICHLOROFLUOROMETHANE 17) ACETONITRILE 18) ACROLEIN 19) FREON 123 20) FREON 123A 21) TRICHLOROFLUOROMETHANE 22) ISOPROPYL ALCOHOL 23) ACETONE	1.930	64	69614	11.4589 PPBV	
16) DICHLOROFLUOROMETHANE	1.956	67	278786	11.7800 PPBV	
17) ACETONITRILE	2.023	41	116674	10.8154 PPBV	
18) ACROLEIN	2.062	56	60130	10.6125 PPBV	99
19) FREON 123	2.075	83	284742	11.1493 PPBV	
20) FREON 123A	2.094	117	178039	11.1969 PPBV	91
21) TRICHLOROFLUOROMETHANE	2.158	101	333778	11.3254 PPBV 11.0020 PPBV	100
22) ISOPROPYL ALCOHOL 23) ACETONE 24) PENTANE 25) IODOMETHANE	2.175	45	273567	11.0020 PPBV	100
23) ACETONE	2.101	58	67859	8.7017 PPBV	97
24) PENTANE	2.271	42	145400	12.1737 PPBV	
25) IODOMETHANE	2.332	142	307714	11.3927 PPBV	
26) 1,1-DICHLOROETHYLENE	2.361	96	307714 121425 339590	10.4336 PPBV	
24) PENTANE 25) IODOMETHANE 26) 1,1-DICHLOROETHYLENE 27) CARBON DISULFIDE 28) ETHANOI.	2.496	76	339590	11.7173 PPBV	99
28) ETHANOL	1.959	45	74234	10.9058 PPBV	
20) BROMOETHENE 30) ACRYLONITRILE 31) METHYLENE CHLORIDE	2.033	106	115658	10.8171 PPBV	
30) ACRYLONITRILE	2.242	52	98061	10.1597 PPBV	99
31) METHYLENE CHLORIDE	2.396	84	74234 115658 98061 108750	10.2367 PPBV	
32) 3-CHLOROPROPENE	2.438	76	60111	10.8764 PPBV	94
33) FREON 113	2.493	151	191694	10.8786 PPBV	96
34) TRANS-1,2-DICHLOROETHENE	2.721	96	124307	10.2603 PPBV	98
35) TERTIARY BUTYL ALCOHOL	2.374	59	298836	10.4500 PPBV	98
31) METHYLENE CHLORIDE 32) 3-CHLOROPROPENE 33) FREON 113 34) TRANS-1,2-DICHLOROETHENE 35) TERTIARY BUTYL ALCOHOL 36) METHYL TERTIARY BUTYL 37) TETRAHYDROFURAN 38) HEXANE 39) VINYL ACETATE 40) 1,1-DICHLOROETHANE 41) METHYL ETHYL KETOME	2.827	73	391251	11.2931 PPBV	100
37) TETRAHYDROFURAN	3.509	72	63577	11.8422 PPBV	94
38) HEXANE	3.281	57	246988	11.1732 PPBV	99
37) TETRAHYDROFURAN 38) HEXANE 39) VINYL ACETATE 40) 1,1-DICHLOROETHANE 41) METHYL ETHYL KETONE	2.863	86	33340	10.1675 PPBV	80
40) 1,1-DICHLOROETHANE	2.795	63	254814	11.7549 PPBV	100
41) METHYL ETHYL KETONE	2.959	72	68432	11.4758 PPBV	91
42) CIS-1,2-DICHLOROETHENE	3.155	96	139625	11.1890 PPBV	96
43) DIISOPROPYL ETHER	3.284	59	71737	11.7182 PPBV	98
44) ETHYL ACETATE	3.287	61	49633	11.7188 PPBV	84
45) METHYL ACRYLATE	3.274	55	295742	11.9084 PPBV	
46) CHLOROFORM	3.300	83	285955	11.6560 PPBV	99
47) 2,4-DIMETHYLPENTANE	3.789	57	286976	11.7419 PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.866	97	300859	11.4360 PPBV	99
49) CARBON TETRACHLORIDE	4.284	117	307765	11.7956 PPBV	100
50) 1,2-DICHLOROETHANE	3.702	62	228844	12.4590 PPBV	99
JU, III DICHLOROHIHMU	5.702	02	220011	12.1370 IIDV	٦.

Data Path : X:\Dayton VOA GCMS\luckyc\06 Jan 2025\v7w411\

Data File : 7w11433.D

Inst : MS7W

Acq On : 3 Jan 2025 8:59 pm
Operator : benk
Sample : bsd
Misc : MS88278, v7w411,,,,,1 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 05 11:58:32 2025

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units Dev(Minits Dev(Minits Dev(Minits Dev(Minits Dev(Minits Dev(Minits Dev(Minits Dev))  11.4200 PPBV  11.6868 PPBV  11.5732 PPBV  11.5732 PPBV  10.9115 PPBV  12.2244 PPBV  11.7780 PPBV  12.2696 PPBV  12.9123 PPBV  12.9123 PPBV  11.1097 PPBV  11.4160 PPBV  11.7704 PPBV  11.9728 PPBV  11.9728 PPBV  11.99728 PPBV  11.9960 PPBV  11.5453 PPBV  12.2101 PPBV  11.5453 PPBV  12.3084 PPBV  12.3084 PPBV  12.3084 PPBV  12.3084 PPBV  12.3084 PPBV  12.3084 PPBV  12.3544 PPBV  11.5578 PPBV  11.5716 PPBV  11.5716 PPBV  11.5716 PPBV  11.5716 PPBV  11.3762 PPBV  11.3762 PPBV  11.3850 PPBV  11.3850 PPBV  11.3691 PPBV  11.3691 PPBV  11.3691 PPBV  11.3762 PPBV  11.3762 PPBV  11.3762 PPBV  11.3762 PPBV  11.3762 PPBV  11.3762 PPBV  11.3762 PPBV  11.3762 PPBV  11.3762 PPBV	n)
51)	BENZENE	4.174	78	409369	11.4200 PPBV	98
53)	CYCLOHEXANE	4.380	84	181321	11.6868 PPBV	94
54)	2,3-DIMETHYLPENTANE	4.634	71	94864	11.6457 PPBV	93
55)	TRICHLOROETHENE	5.065	95	193186	11.5732 PPBV	98
56)	1,2-DICHLOROPROPANE	4.834	63	165758	11.6396 PPBV	100
57)	DIBROMOMETHANE ETHYL ACRYLATE	4.792	174	171144	10.9115 PPBV	98
58)	ETHYL ACRYLATE	4.949	55	369899	12.2244 PPBV	99
59)	BROMODICHLOROMETHANE	5.010	83	313225	11.7780 PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	774777	12.2696 PPBV	100
61)	1,4-DIOXANE	5.081	88	100133	10.7582 PPBV	97
62)	HEPTANE	5.470	43	286546	12.9123 PPBV	96
63)	METHYL METHACRYLATE	5.367	69	158451	11.1097 PPBV	92
64)	METHYL ISOBUTYL KETONE CIS-1,3-DICHLOROPROPENE TOLUENE	6.097	58	151244	11.4160 PPBV	97
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	262502	11.7704 PPBV	98
66)	1,3-DICHLOROPROPANE	7.18/	91	519854	11.2035 PPBV	100 99
60)	TDANG 1 2 DIGILODODODENE	7.240	76	239402	11.9/20 PPBV	99
60)	1 1 2 TRICHLOROPROPENE	6 924	75	230024 140725	11.0090 PPBV	100
701	TRANS-1,3-DICHLOROPROPENE 1,1,2-TRICHLOROETHANE 2-HEXANONE	7 763	5 Q	200472	10 1252 DDDV	98
	ETHYL METHACRYLATE	7.703	69	270521	10.1233 FFBV	96
721	TETRACHLOROETHENE	8 911	164	214666	12 2101 DDRV	98
73)	DIBROMOCHLOROMETHANE 1,2-DIBROMOETHANE OCTANE 1,1,2-TETRACHLOROETHANE	7 721	129	309386	11 5453 PPRV	100
74)	1.2-DIBROMOETHANE	8.062	107	287393	12.3084 PPBV	99
75)	OCTANE	9.058	43	399225	12.6971 PPBV	96
77)	1,1,1,2-TETRACHLOROETHANE	10.123	131	225682	11.1726 PPBV	98
	CHLOROBENZENE	10.110	112	425060	11.5578 PPBV	99
	ETHYLBENZENE	10.991	91	706308	11.3465 PPBV	99
	M,P-XYLENE	11.419	91	1113023	22.8092 PPBV	98
81)	O-XYLENE	12.351	91	567109	11.5716 PPBV	98
82)	STYRENE	12.132	104	433637	12.3544 PPBV	100
83)	NONANE	13.470	43	419894	12.4734 PPBV	97
84)	BROMOFORM	11.229	173	275846	11.3850 PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.361	83	390202	11.9637 PPBV	99
86)	1,2,3-TRICHLOROPROPANE	12.640	75	314154	12.0732 PPBV	100
	ISOPROPYLBENZENE	13.862	120	212863	11.3691 PPBV	97
89)	BROMOBENZENE	13.724	77	397053	11.3762 PPBV	97
90)	Z-CHLOROTOLUENE	14.856	126	190611	11.1915 PPBV	100
91)	2-CHLOROTOLUENE N-PROPYLBENZENE 4-ETHYLTOLUENE	15.196	105	223901	11.8018 PPBV	100 99
	4-ETHYLTOLUENE 1,3,5-TRIMETHYLBENZENE	15.040	105	820222 691221	12.0500 PPBV	99
	T, 3, 3 - IKIMEIHILDENZENE	16 216	110	2/2572	12.00/2 PPBV	100
95)	ALPHA-METHYLSTYRENE TERT-BUTYLBENZENE	16 531	134	162077	11.7443 FFBV	95
	1,2,4-TRIMETHYLBENZENE	16.537	105	705968	12.2185 PPBV	99
	BENZYL CHLORIDE	16.627	91	530031	10.3597 PPBV	99
98)	M-DICHLOROBENZENE	16.598	146	455821	11.5662 PPBV	100
99)	M-DICHLOROBENZENE P-DICHLOROBENZENE	16.692	146	463891	12.0942 PPBV	100
100)	O-DICHLOROBENZENE	17.007	146	431579	11.5975 PPBV	100
101)	O-DICHLOROBENZENE SEC-BUTYLBENZENE	16.836	134	204482	11.9690 PPBV	95
	1,2,3-TRIMETHYLBENZENE	16.955	105	677321	11.7031 PPBV	99
103)	P-ISOPROPYLTOLUENE	17.029	134	219576	11.5940 PPBV	96
104)	N-BUTYLBENZENE	17.393	134	216915	11.7228 PPBV	94
105)	HEXACHLOROETHANE	17.569	117	239875	10.8816 PPBV	97
106)	HEXACHLOROBUTADIENE	18.624	225	348674	12.5957 PPBV	100
	1,2,4-TRICHLOROBENZENE	18.315	180	405353	12.7435 PPBV	100
	NAPHTHALENE	18.360	128	862478	12.2167 PPBV	100
110)	TVHC as equiv Pentane	2.271	TIC	667578	12.0506 PPBV 12.0506 PPBV 12.0672 PPBV 11.7445 PPBV 11.8222 PPBV 12.2185 PPBV 10.3597 PPBV 11.5662 PPBV 12.0942 PPBV 11.5975 PPBV 11.79690 PPBV 11.77031 PPBV 11.7940 PPBV 11.7228 PPBV 10.8816 PPBV 12.5957 PPBV 12.7435 PPBV 12.7435 PPBV	100

M7W405.M Sun Jan 05 13:58:07 2025

Data Path : X:\Dayton VOA GCMS\luckyc\06 Jan 2025\v7w411\

Data File : 7w11433.D

Inst : MS7W

Acq On : 3 Jan 2025 8:59 pm Operator : benk Sample : bsd Misc : MS88278, v7w411,,,,,1 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 05 11:58:32 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min) (#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : X:\Dayton VOA GCMS\luckyc\06 Jan 2025\v7w411\

Data File: 7w11433.D

3 Jan 2025 8:59 pm Acq On

: benk Operator

: bsd : MS7W Sample Inst

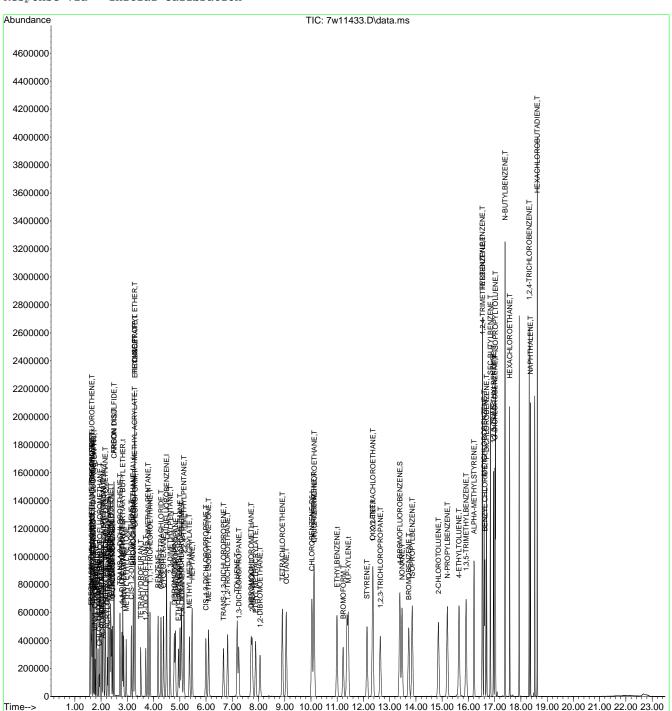
Misc : MS88278, v7w411,,,,,1 ALS Vial Sample Multiplier: 1 : 3

Quant Time: Jan 05 11:58:32 2025

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration



Data Path : X:\Dayton VOA GCMS\luckyc\04 Feb 2025\v5w2168\

Data File : 5w56592.D

Inst : GCMS5W

Acq On : 3 Feb 2025 4:06 pm Operator : williamc Sample : je4785-5dup Misc : MS89221,V5W2168,400,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 07:22:53 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025

Response via: Initial Calibration

Internal Standards	Compound	R.T.	QIon	Response	Conc Unit	s Dev(I	Min)
## 85) 4-BROMOFLUOROBENZENE	Internal Standards						
23) ACETONE	85) 4-BROMOFLUOROBENZENE Spiked Amount 10.000						
81) O-XYLENE 16.901 106 22317 0.4227 PPBV 99 82) STYRENE 16.760 104 10318 0.1341 PPBV 98 83) NONANE 17.298 43 13717 0.2045 PPBV 96 108) NAPHTHALENE 22.902 128 11706 0.0563 PPBV 99	23) ACETONE 24) PENTANE 28) ETHANOL 31) METHYLENE CHLORIDE 35) TERTIARY BUTYL ALCOHOL 38) HEXANE 39) VINYL ACETATE 41) METHYL ETHYL KETONE 44) ETHYL ACETATE 46) CHLOROFORM 47) 2,4-DIMETHYLPENTANE 52) BENZENE 53) CYCLOHEXANE 54) 2,3-DIMETHYLPENTANE 62) HEPTANE 66) TOLUENE 76) OCTANE	4.794 5.204 4.439 5.565 5.565 7.681 6.794 7.063 7.730 7.785 8.642 9.382 9.975 11.009 12.955 14.319	58 42 45 84 59 57 86 72 61 83 57 78 84 71 43 92 43 91 106	308141 37067 5101975 15843 153152 18631 3280 12429 94400 15459 10548 21300 6895 51826 623640 60369 22363 41003 46389 22317	14.9323 1.1422 204.7327 0.5047 2.8337 0.4125 0.6424 0.9726 9.7868 0.2028 0.2168 0.2039 0.1691 2.4754 11.3782 0.7994 0.3430 0.3026 0.8545 0.4227	PPBV # PPBV PPBV PPBV PPBV # PPBV # PPBV # PPBV # PPBV # PPBV # PPBV PPBV # PPBV PPBV # PPBV PPBV # PPBV PPBV # PPBV PPBV # PPBV PPBV # PPBV PPBV # PPBV PPBV # PPBV PPBV PPBV # PPBV PPBV PPBV PPBV PPBV PPBV PPBV PPBV	94 99 97 91 87 76 99 99 75 99 96 57 98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Page: 1

Data Path : X:\Dayton VOA GCMS\luckyc\04 Feb 2025\v5w2168\

Data File: 5w56592.D

3 Feb 2025 4:06 pm Acq On

Operator : williamc

: je4785-5dup : GCMS5W  ${\tt Sample}$ Inst

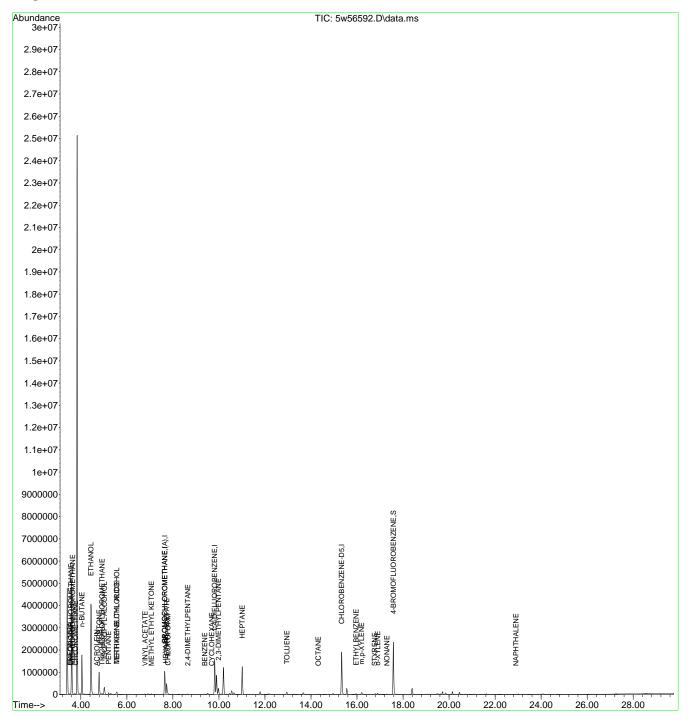
Misc : MS89221,V5W2168,400,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 07:22:53 2025

Quant Method: C:\msdchem\1\methods\M5w2144.M

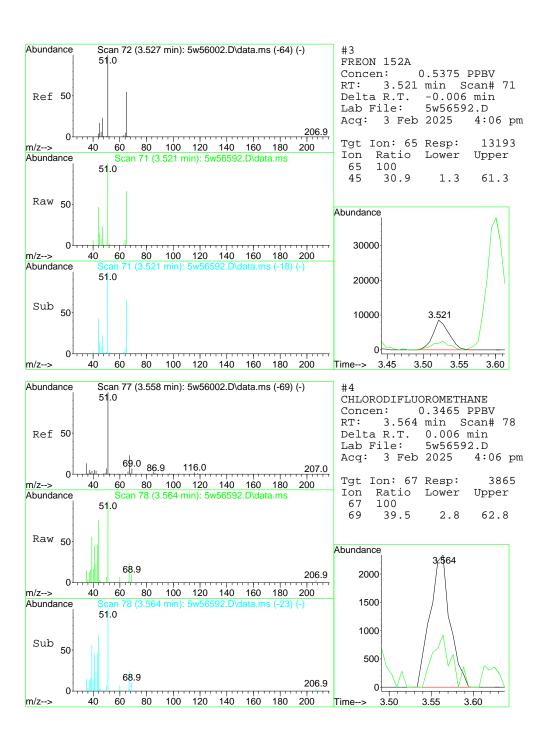
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025

Response via : Initial Calibration

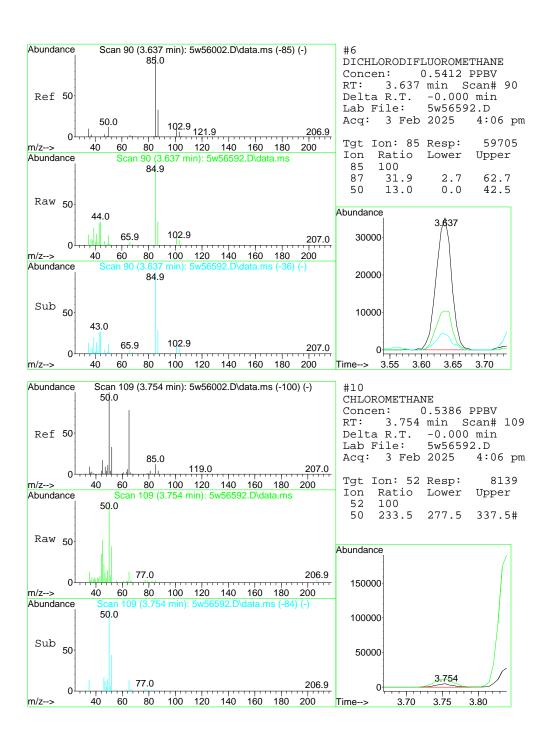


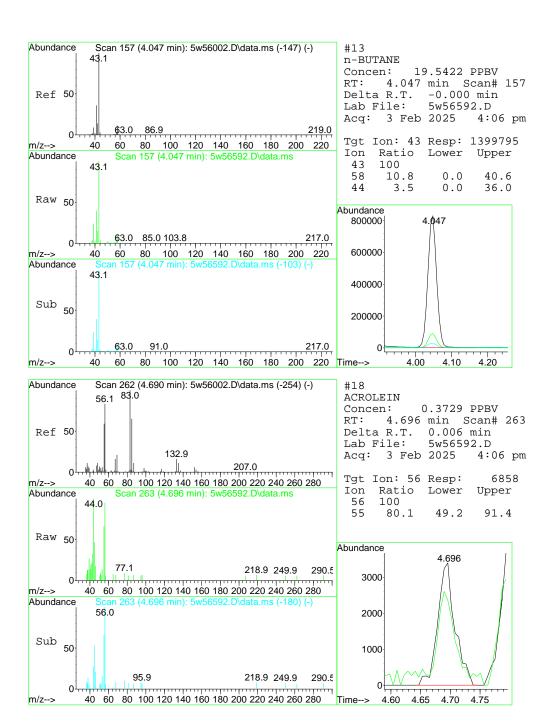
M5w2144.M Tue Feb 04 08:52:22 2025

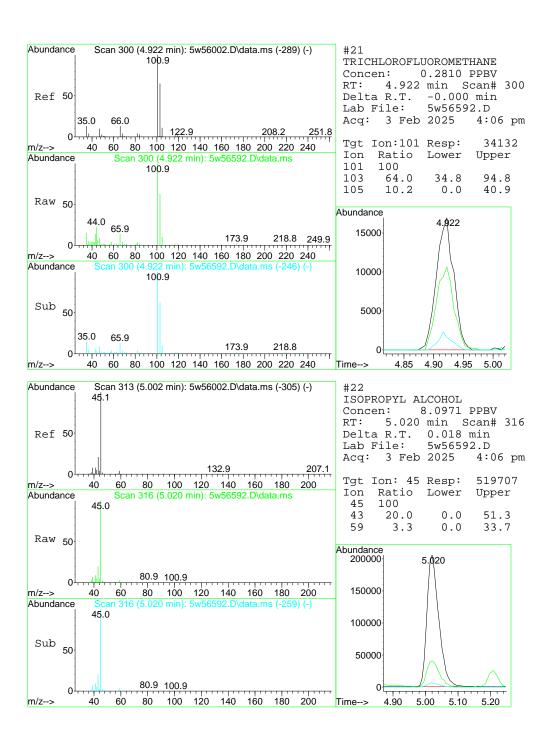
Page: 2

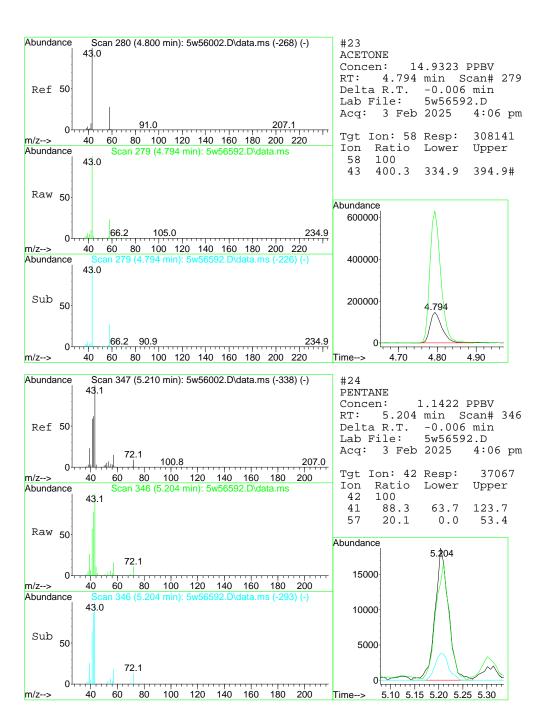


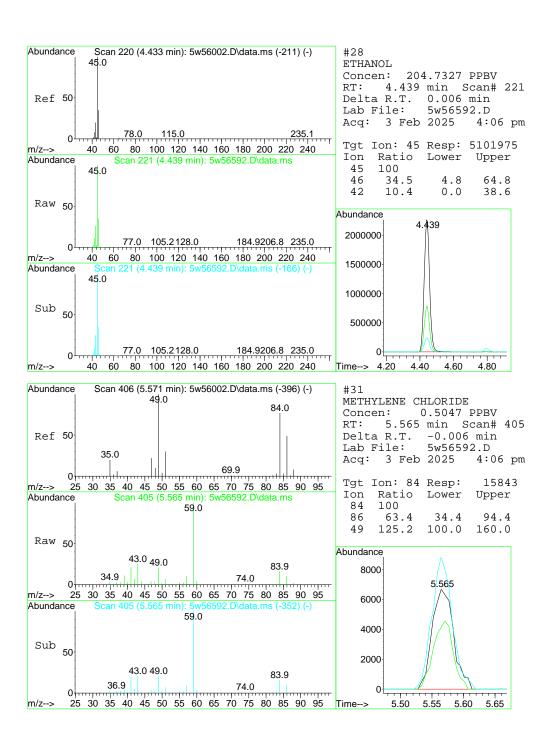


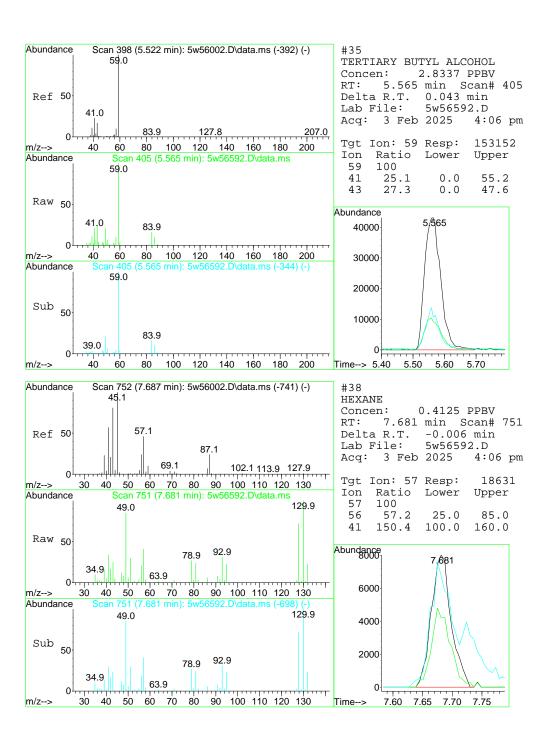


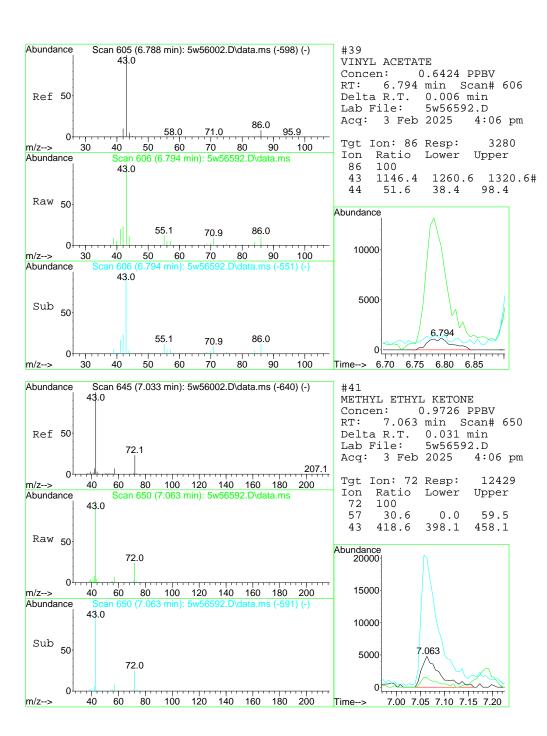




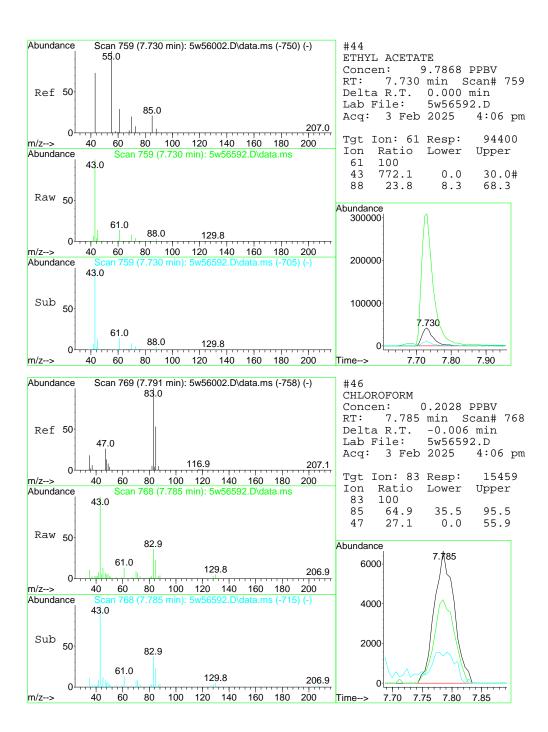


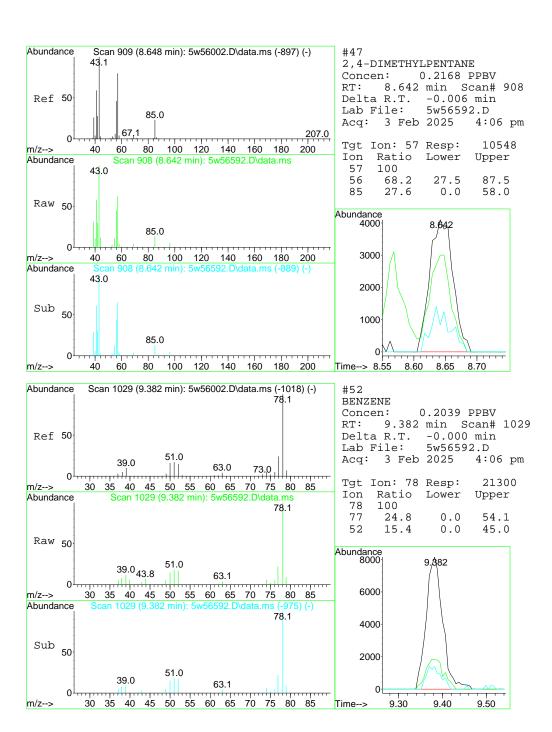


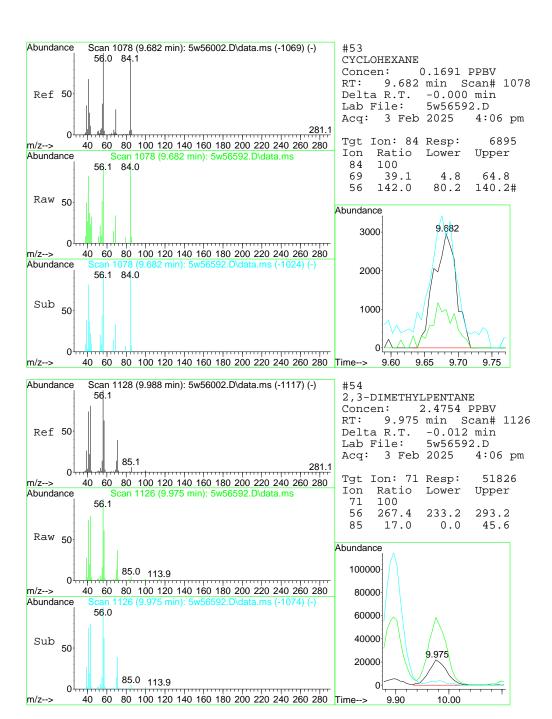


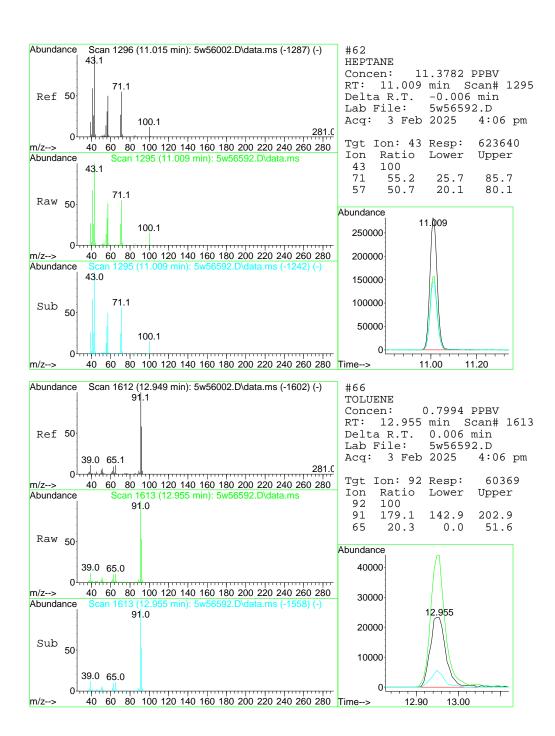




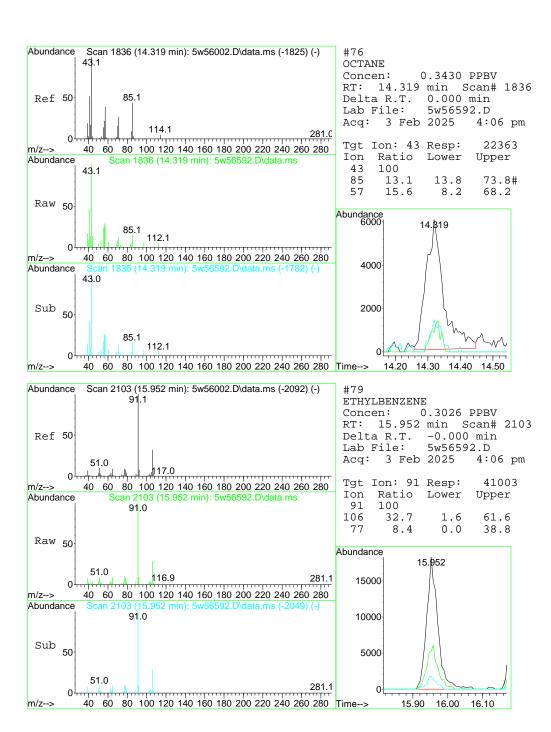


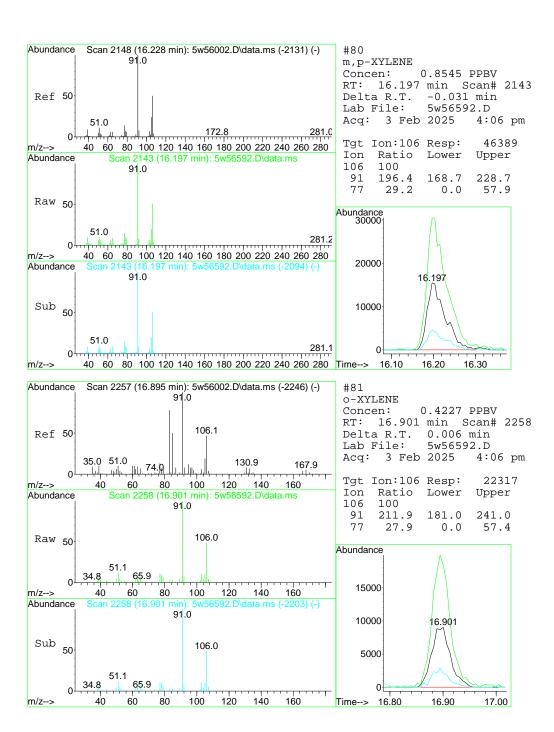


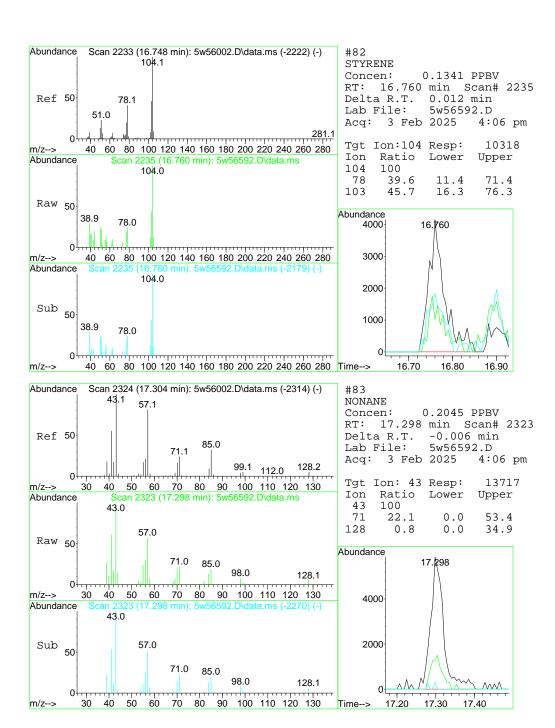


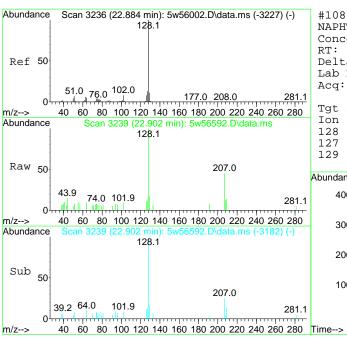


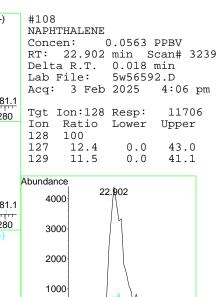
312 of 516











23.00

22.90

0

22.80

5w56592.D M5w2144.M

Tue Feb 04 08:52:26 2025

Page 18 316 of 516 JE5018

## Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\02-05-2025\V7W440\

Data File : 7w12387.D

: 4 Feb 2025 3:57 pm

Inst : MS7W

Acq On : 4 red 2000 Operator : williamc Sample : je5018-1dup Misc : MS89321,v7w440,400,,,,1 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 05 11:59:29 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units De	v(Min)
Internal Standards					
1) BROMOCHLOROMETHANE	3.232	128	134435	10.00 PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.499	114	690174	10.00 PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	652133	10.00 PPBV	0.00
1) BROMOCHLOROMETHANE 52) 1,4-DIFLUOROBENZENE 76) CHLOROBENZENE-D5 109) BROMOCHLOROMETHANE (A)	3.232	128	134435	10.00 PPBV	0.00
	13.386	95	503454	10.64 PPBV	0.00
Target Compounds 6) DICHLORODIFLUOROMETHANE 7) PROPYLENE 13) N-BUTANE 17) ACETONITRILE 21) TRICHLOROFLUOROMETHANE 22) ISOPROPYL ALCOHOL 23) ACETONE 24) PENTANE 27) CARBON DISULFIDE 28) ETHANOL 31) METHYLENE CHLORIDE 35) TERTIARY BUTYL ALCOHOL 37) TETRAHYDROFURAN 38) HEXANE 41) METHYL ETHYL KETONE 44) ETHYL ACETATE 51) BENZENE 53) CYCLOHEXANE 54) 2,3-DIMETHYLPENTANE 55) TRICHLOROETHENE 60) 2,2,4-TRIMETHYLPENTANE 62) HEPTANE 64) METHYL ISOBUTYL KETONE 66) TOLUENE 70) 2-HEXANONE 72) TETRACHLOROETHENE 75) OCTANE 79) ETHYLBENZENE 80) M,P-XYLENE 81) O-XYLENE 82) STYRENE 83) NONANE 88) ISOPROPYLBENZENE 91) N-PROPYLBENZENE 92) 4-ETHYLTOLUENE 93) 1,3,5-TRIMETHYLBENZENE 96) 1,2,4-TRIMETHYLBENZENE 96) 1,2,4-TRIMETHYLBENZENE 101) SEC-BUTYLBENZENE				O	value
6) DICHLORODIFLUOROMETHANE	1.666	85	11299	0.3371 PPBV	# 94
7) PROPYLENE	1.647	41	17393	1.9715 PPBV	89
13) N-BUTANE	1.827	43	25903	1.4857 PPBV	96
17) ACETONITRILE	2.039	41	3272	0.3028 PPBV	# 87
21) TRICHLOROFLUOROMETHANE	2.164	101	14705	0.4982 PPBV	88
22) ISOPROPYL ALCOHOL	2.193	45	31570	1.2676 PPBV	# 89
23) ACETONE	2.110	58	785409	100.5543 PPBV	63
24) PENTANE	2.280	42	21308	1.7812 PPBV	87
27) CARBON DISULFIDE	2.499	76	49202	1.6950 PPBV	# 75
28) ETHANOL	1.978	45	50425	7.3962 PPBV	99
31) METHYLENE CHLORIDE	2.405	84	11937	1.1218 PPBV	83
35) TERTIARY BUTYL ALCOHOL	2.405	59	28355	0.9900 PPBV	# 79
37) TETRAHYDROFURAN	3.534	72	1101	0.2048 PPBV	80
38) HEXANE	3.286	57	22202	1.0028 PPBV	86
41) METHYL ETHYL KETONE	2.965	72	39275	6.5758 PPBV	78
44) ETHYL ACETATE	3.293	61	8761	2.0653 PPBV	# 1
51) BENZENE	4.180	78	45848	1.2770 PPBV	98
53) CYCLOHEXANE	4.389	84	4002	0.2454 PPBV	92
54) 2,3-DIMETHYLPENTANE	4.634	71	1015	0.1186 PPBV	# 68
55) TRICHLOROETHENE	5.068	95	5097	0.2905 PPBV	94
60) 2,2,4-TRIMETHYLPENTANE	5.158	57	12451	0.1876 PPBV	# 48
62) HEPTANE	5.479	43	20612	0.8837 PPBV	91
64) METHYL ISOBUTYL KETONE	6.132	58	13366	0.9599 PPBV	89
66) TOLUENE	7.190	91	564618	11.5777 PPBV	99
/U) Z-HEXANONE	7.794	164	16489	0./584 PPBV	94 98
72) TETRACHLOROETHENE	8.910	164 43	249450	13.5001 PPBV	98
75) OCTANE	9.055	43	20870	0.8131 PPBV	99 98
/9/ EIHILBENZENE	10.990	91 01	207000 652007	3.224U PPBV	61
01) O VVIENE	11.3/3	01	034037	12.9009 PPDV	98
OI) U-KILENE	12.344	104	2/15/	0.0453 PPBV	96 97
02 / NONANE	12.141	104	2420	0.0933 PPDV	91
99 \ TCODDODVI DENIZENE	13.400	120	24043 6761	0.7132 PPBV	90
00) ISOPROFILIBENZENE 01) N_DDODVI DENZENE	15.032	120	17225	0.3301 PPBV	97
91) N-PROPILIDENZENE	15.193	105	1/333 96075	1 2201 17000	98
93) 1 3 5-TRIMETUVI.REM7ENE	15.030	105	54224	0 0103 DDDM	98
96) 1 2 4-TRIMETHYLERM7FNF	16 534	105	182217	3 0564 DDBV	# 36
101) QEC-RITYI, DENZENE	16 236	134	2421	0.0304 PPBV	98
101) 1 2 3-TRIMETHVIRENTEND	16 050	105	36006	0.13/3 PPBV	97
103) P-ISOPROPVI.TOLIENE	17 032	134	2030	0.0025 PPBV	96
108) NAPHTHALENE	18 376	128	10212	0.1402 PPRV	95

<sup>(#)</sup> = qualifier out of range (m) = manual integration (+) = signals summed

JE5018

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\02-05-2025\V7W440\

Data File: 7w12387.D

4 Feb 2025 3:57 pm Acq On

Operator : williamc

: je5018-1dup : MS7W Inst Sample

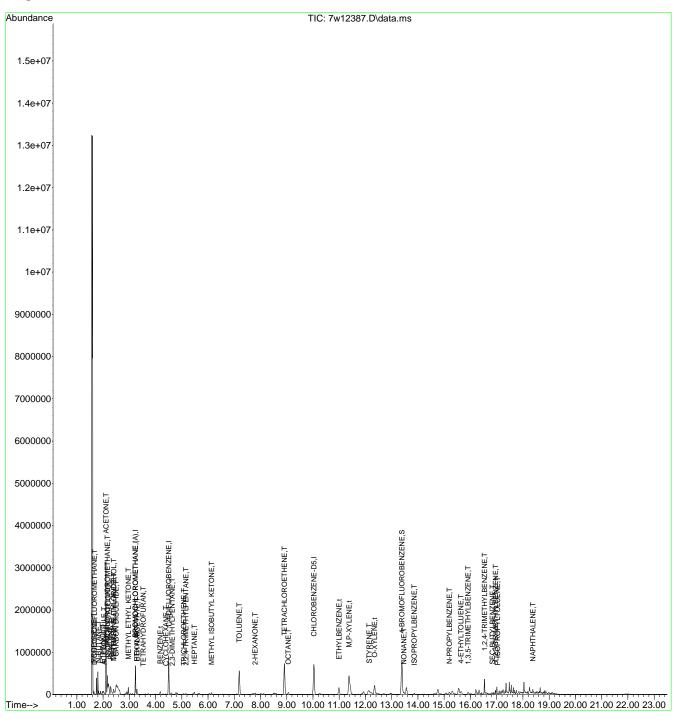
Misc : MS89321, v7w440, 400, , , , 1 ALS Vial Sample Multiplier: 1

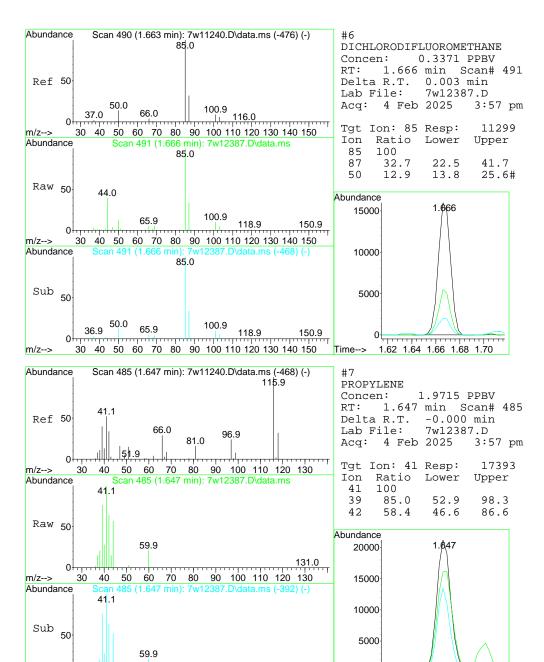
Quant Time: Feb 05 11:59:29 2025

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration

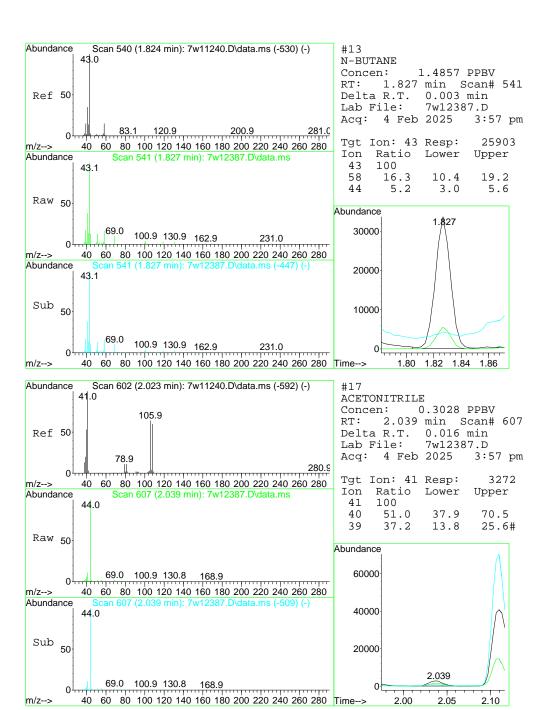


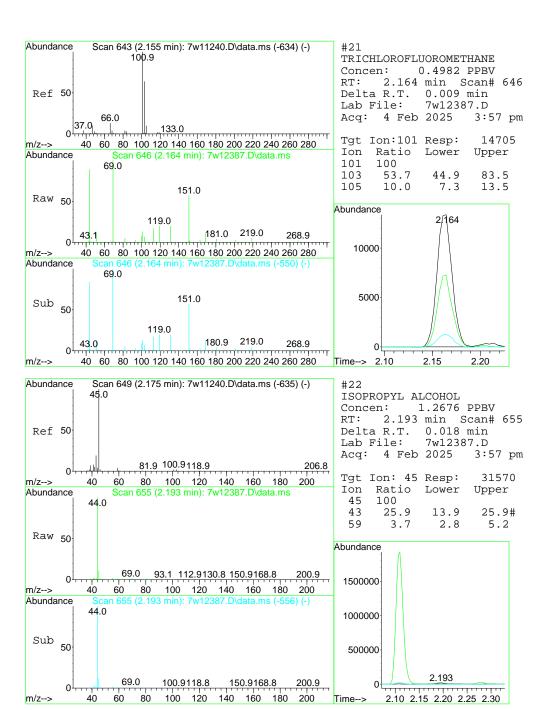


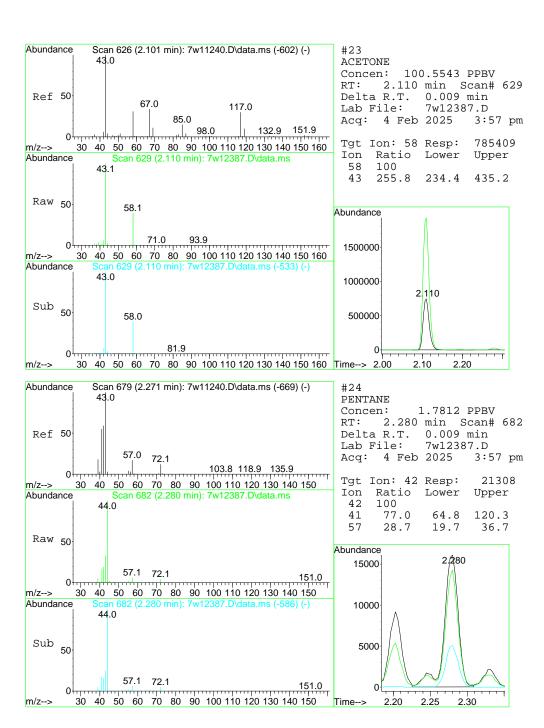
60 70 80 90 100 110 120 130

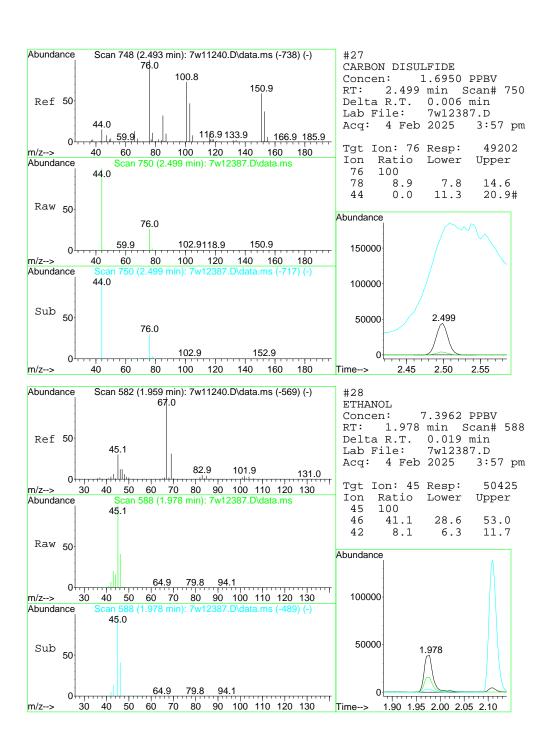
131.0

Time--> 1.60 1.62 1.64 1.66 1.68









10000

5000

Time-->

0

2.35 2.40 2.45 2.50

268.8

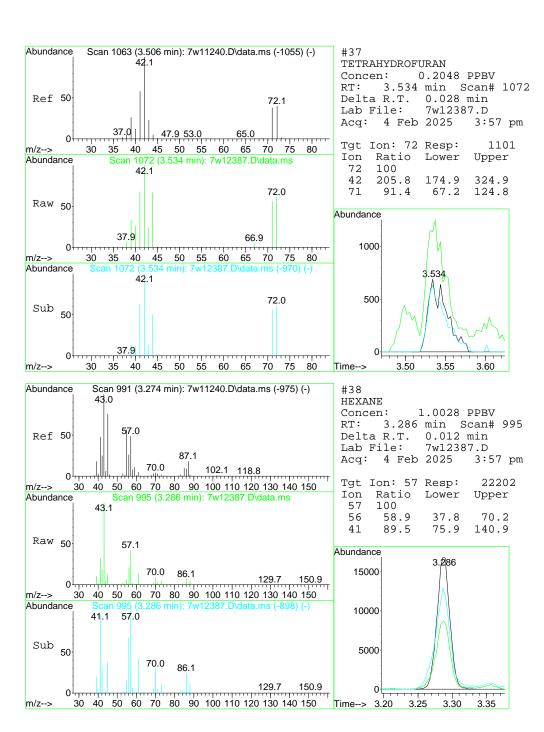
Sub 50

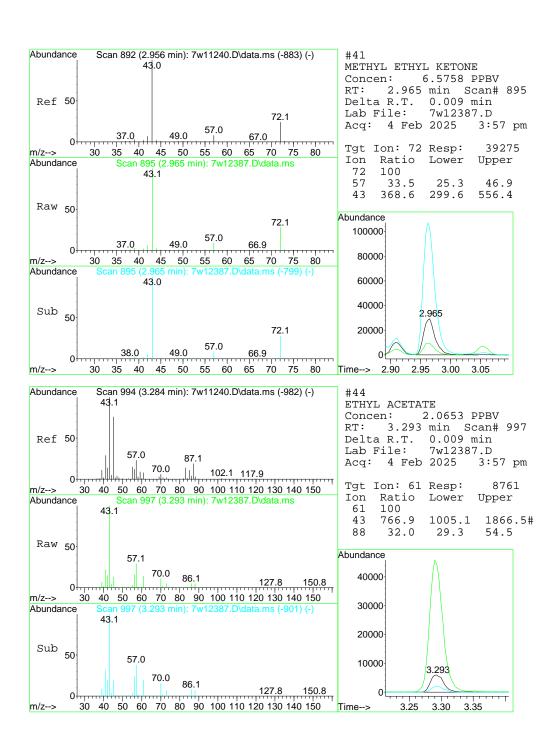
168.9 200.9 230.9

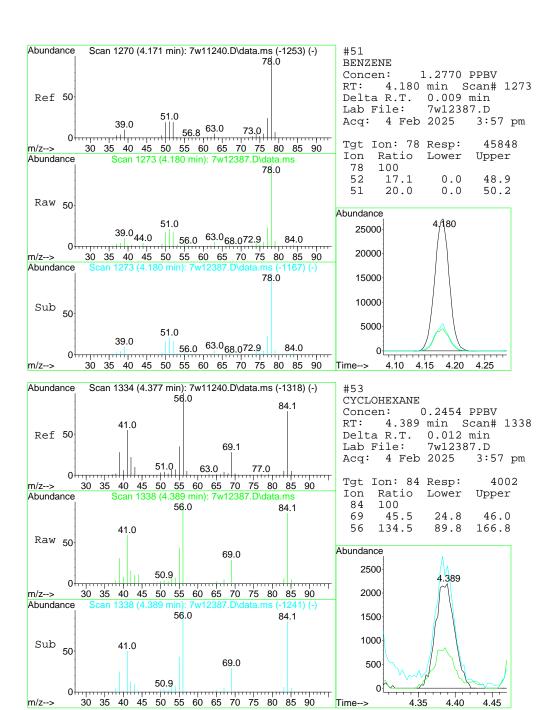
84.0

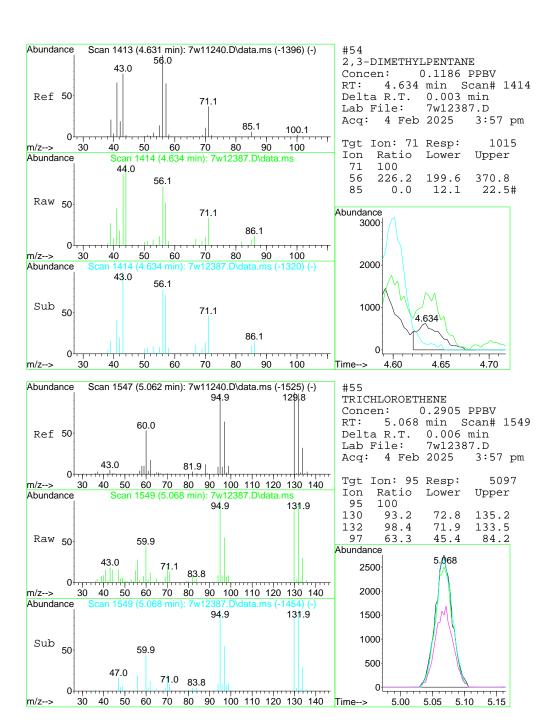
130.9

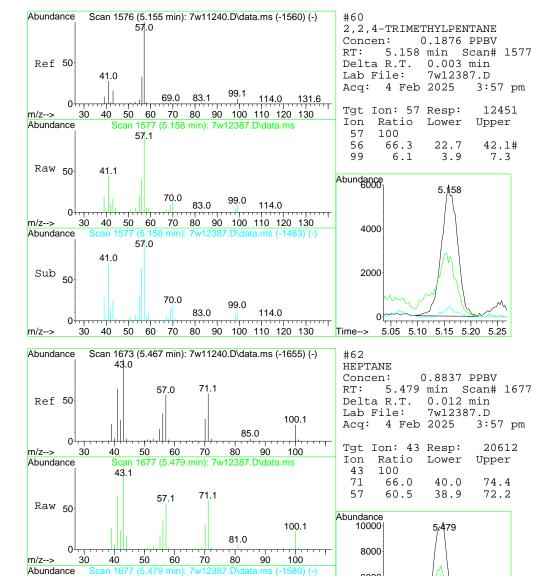
40 60 80 100 120 140 160 180 200 220 240 260











6000

4000

2000

Time-->

5.40 5.45

100.1

100

43.1

56.1

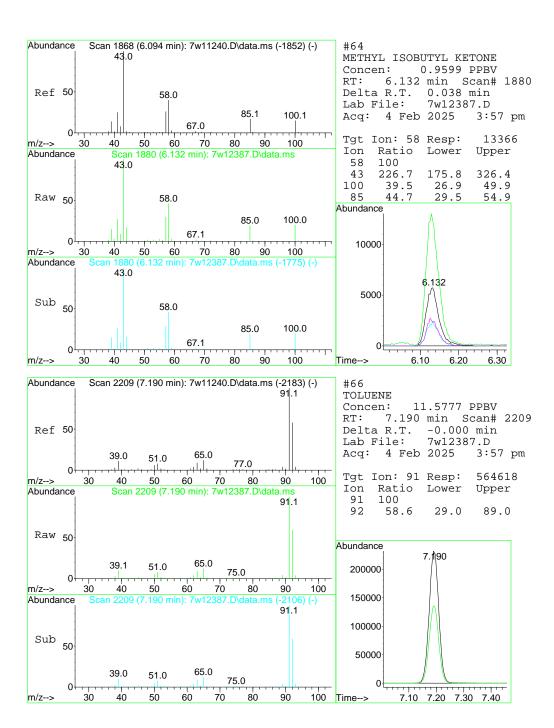
Sub 50

m/z-->

71.1

70

81.0



20000

Time-->

8.80

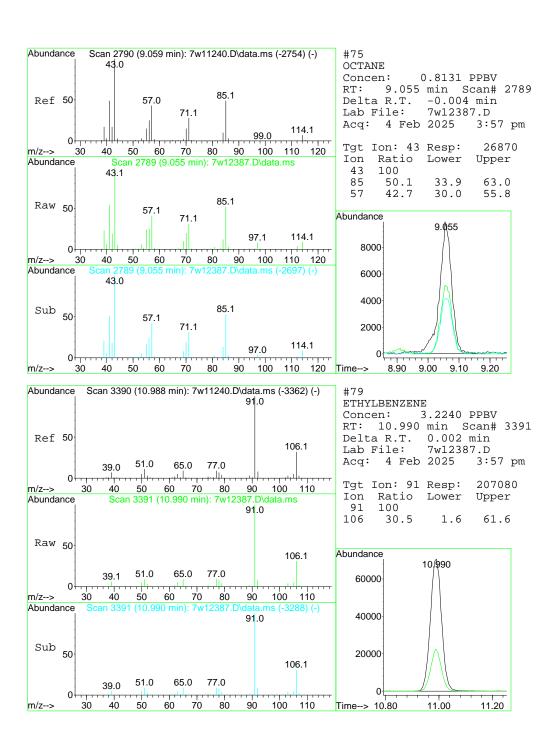
47.0

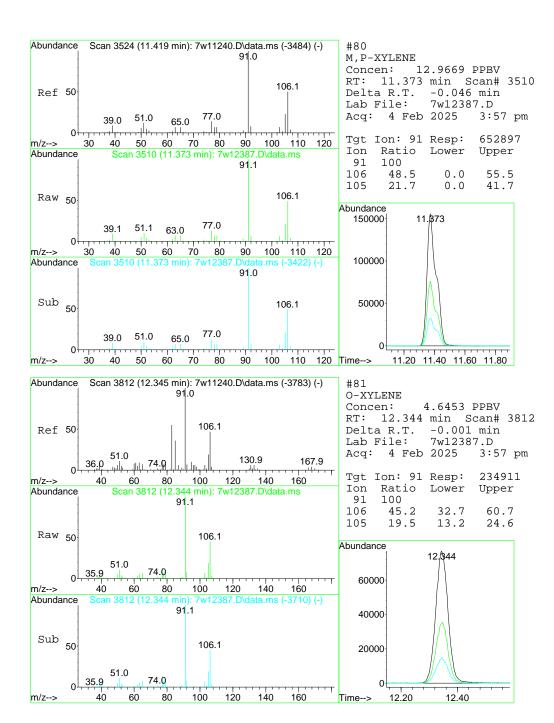
m/z-->

66.3

100

60





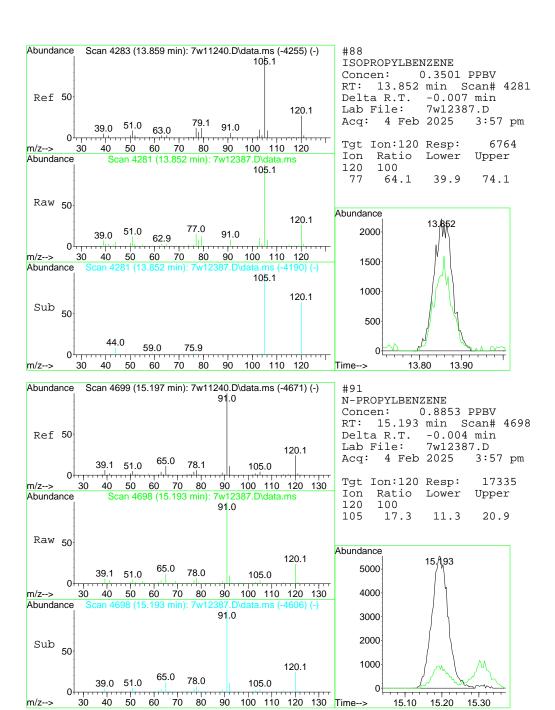
m/z-->

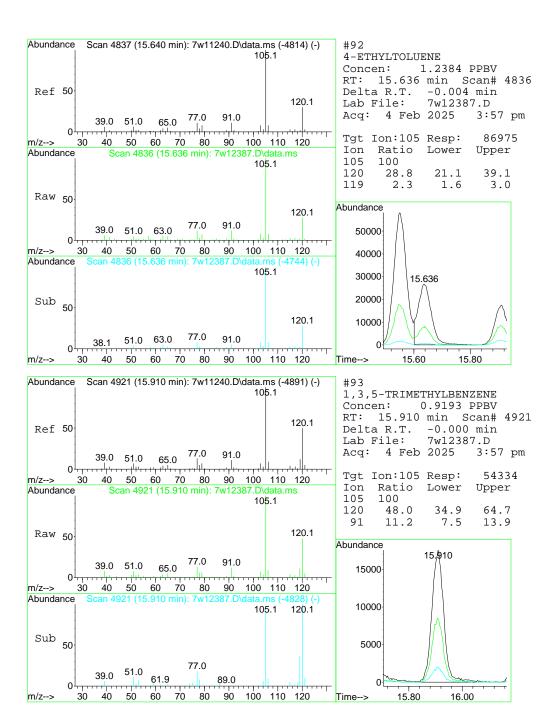
100

120

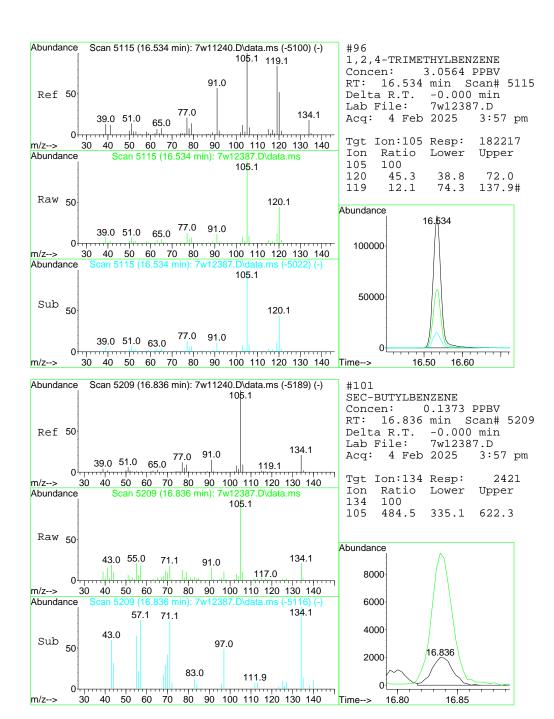
180 Time-->

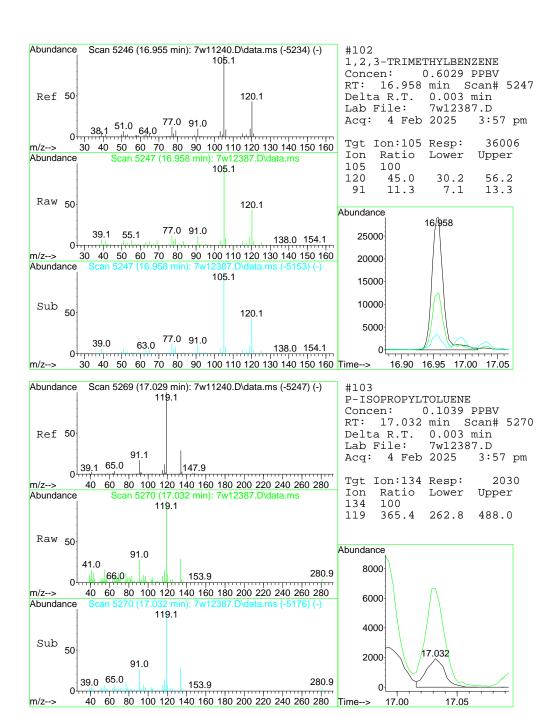
13.40

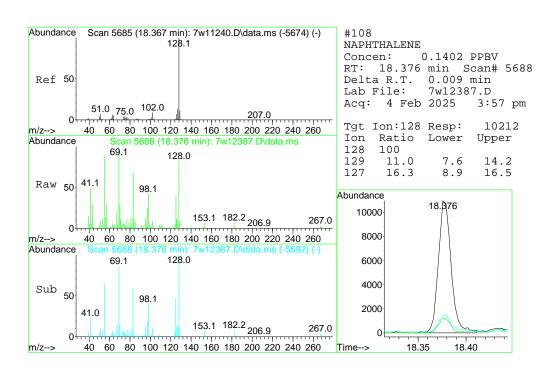




JE5018







Page 23 339 of 516 Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\06 Jan 2025\v7w411\

Data File : 7w11438.D

: 4 Jan 2025 12:32 am Acq On

Inst : MS7W

Misc : MS88278, v7w411,,,,,1 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 05 12:25:31 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards 1) BROMOCHLOROMETHANE 52) 1,4-DIFLUOROBENZENE 76) CHLOROBENZENE-D5 109) BROMOCHLOROMETHANE (A)	3.229 4.493 10.033 3.229	128 114 117 128	139437 685860 635206 139437	10.00 PPBV 10.00 PPBV 10.00 PPBV 10.00 PPBV	0.00
System Monitoring Compounds 87) 4-BROMOFLUOROBENZENE Target Compounds	13.380	95	451218	9.79 PPBV	0.00 Ovalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path: X:\Dayton VOA GCMS\luckyc\06 Jan 2025\v7w411\

Data File: 7w11438.D

: 4 Jan 2025 12:32 am Acq On

Operator : benk

: scc(a1721),cp12960 : MS7W Inst Sample

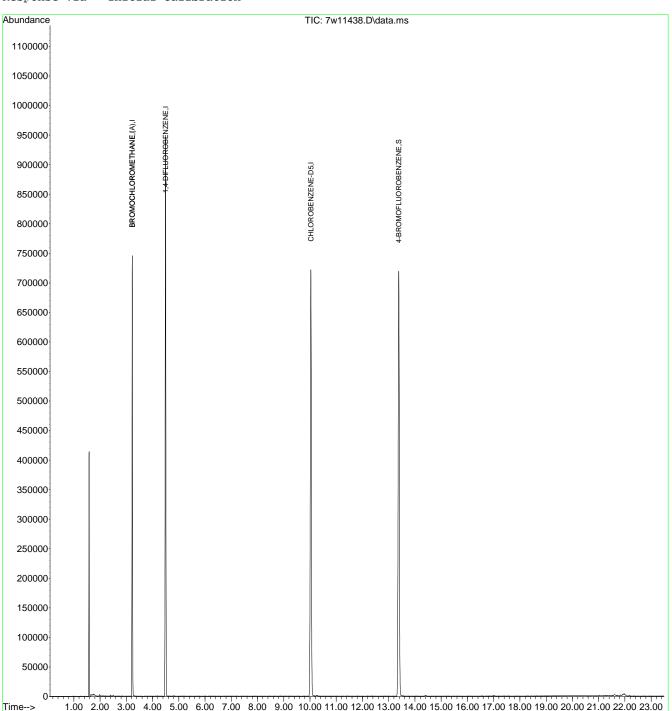
Misc : MS88278, v7w411,,,,,1 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 05 12:25:31 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

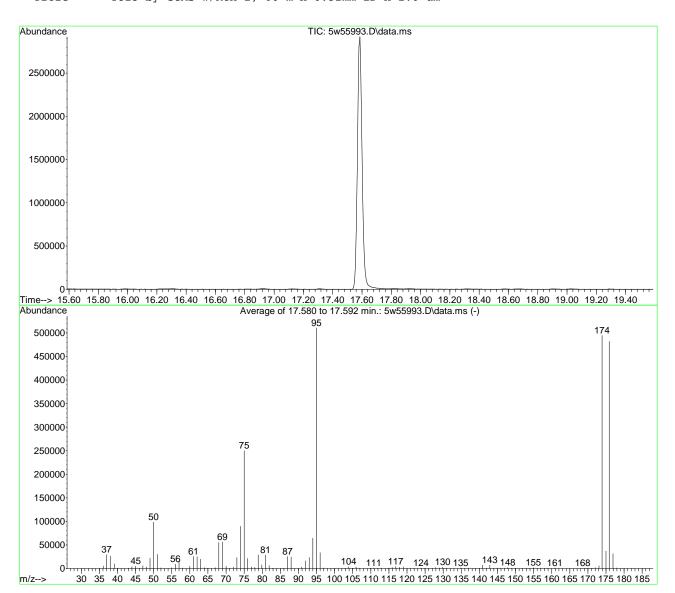
Quant Title : To15 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration



MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR\_Methods\M5w2125.M (RTE Integrator)
Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2358

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50 75 95 96 173 174 175 176	95 95 95 95 174 95 174 174	8 30 100 5 0.00 50 4 93 5	40 66 100 9 2 120 9 101	19.3 48.9 100.0 6.6 1.1 96.9 7.4 97.4 6.5	98517 249792 510763 33464 5620 494933 36869 482155 31496	PASS PASS PASS PASS PASS PASS PASS PASS

5w55993.D M5w2125.M Thu Jan 09 17:15:00 2025

Average of 1	7.580 to	17.592 mi	n.: 5w5599	93.D\data.	ms		
bfb Modified:sub	tragtod						
m/z 36.05 37.00 38.00 39.10 40.00	abund. 5216 29176 26496 9646 412	m/z 49.00 50.00 51.05 52.00 55.00	abund. 22128 98517 30000 1393 1621	m/z 63.00 64.00 65.00 67.00 68.00	abund. 19896 1807 558 1520 55309	m/z 75.00 76.00 77.00 77.95 78.90	abund. 249792 21245 3117 2290 28645
43.00 44.00 45.05 46.05 47.00 47.95	343 4044 5070 414 5712 3052	56.00 57.00 58.00 60.00 61.00 62.00	9136 15952 723 4815 25477 24984	69.00 70.00 70.90 72.00 73.00 74.00	56520 4652 69 2801 23098 89389	79.90 80.90 81.90 82.90 85.95 87.00	7564 28453 6328 707 630 25539
Average of 1' bfb	7.580 to	17.592 mi	n.: 5w5599	93.D\data.	ms		
Modified:sub m/z 88.00 90.90	tracted abund. 24331 2766	m/z 105.10 105.90	abund. 181 3174	m/z 118.95 121.90	abund. 3367 84	m/z 135.90 136.90	abund. 169 1122
92.00 93.00 94.00	15808 23531 64435	106.90 109.85 110.85	632 573 747	121.90 123.90 124.90 125.85	396 231 304	138.85 139.95 140.90	202 478 6607
95.00 96.00 97.00 102.90	510763 33464 985 327	111.85 112.85 114.85 115.90	561 774 680 2171	126.95 127.90 128.90 129.90	154 2009 1052 2432	141.95 142.90 143.90 144.90	843 6930 367 668
103.90 104.90 Average of 1	3310 600	116.90 117.90	3987 2415	130.90 134.85	703 1199	145.90 146.95	886 414
bfb Modified:sub	tracted						
m/z 147.85 148.95 149.95 151.90 152.95 153.90 154.95 155.95 156.90 157.90 158.90	abund. 1586 378 562 256 400 396 1406 297 822 67 790	m/z 160.85 168.55 169.05 169.60 170.00 170.55 171.00 171.20 172.05 173.05 173.90	abund. 668 187 159 187 126 346 246 209 1749 5620 494933	m/z 175.00 175.90 176.95 177.95	abund. 36869 482155 31496 988	m/z	abund.

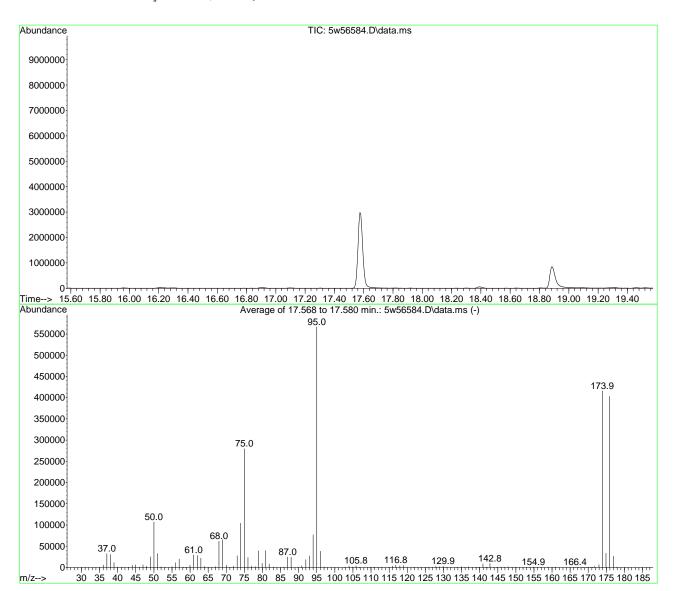
Data File : X:\Dayton VOA GCMS\1...025\v5w2168\5w56584.D Vial: 1

 Acq On
 : 3 Feb 2025
 9:46 am
 Operator: williamc

 Sample
 : bfb
 Inst : GCMS5W

 Misc
 : MS89211,V5W2168,,,,,1
 Multiplr: 1.00

MS Integration Params: RTEINT1.P



AutoFind: Scans 2367, 2368, 2369; Background Corrected with Scan 2357

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50 75 95 96 173 174 175 176	95 95 95 95 174 95 174 174	8 30 100 5 0.00 50 4 93 5	40 66 100 9 2 120 9 101	18.9 49.3 100.0 6.8 1.6 73.4 8.0 96.9 6.5	107115 279424 566592 38256 6594 415936 33376 403093 26221	PASS PASS PASS PASS PASS PASS PASS PASS

5w56584.D M5w2144.M Tue Feb 04 09:05:44 2025

Average of 17.568 to 17.580 min.: 5w56584.D\data.ms Modified:subtracted m/z abund. m/z abund. m/z abund. m/z abund. 36.00 47.95 3217 59.10 70.95 5907 68 254 37.00 32389 49.00 24952 59.95 5547 71.30 137 30408 107115 29229 3203 38.00 50.00 61.00 72.05 39.00 11557 51.00 32800 62.00 28381 73.00 27155 1396 39.95 813 51.95 63.00 74.00 104253 22107 41.20 312 53.20 97 64.00 2383 75.00 279424 43.00 691 55.00 1878 65.00 547 76.00 23653 10925 1707 44.00 5282 56.00 67.05 76.95 3101 57.00 19579 77.95 45.00 6099 68.00 61696 2185 875 78.90 39291 46.05 58.10 822 69.00 65531 9627 47.00 6214 58.70 100 70.00 5341 79.90 Average of 17.568 to 17.580 min.: 5w56584.D\data.ms Modified:subtracted m/z abund. m/z abund. m/z abund. m/z abund. 80.90 39851 95.00 566592 110.80 216 121.90 92 81.85 7987 96.00 38256 110.95 800 122.85 286 123.80 82.95 1061 97.00 1253 575 510 111.85 85.90 872 102.75 253 112.75 941 124.85 245 86.95 24621 103.00 146 114.85 976 125.60 210 87.90 24240 103.90 3614 115.85 3105 125.90 220 116.85 89.80 84 104.90 1330 5322 126.85 170 3771 3909 117.95 127.90 90.85 105.85 3329 2617 18504 283 118.90 92.00 106.70 4338 128.85 1468 93.00 27333 106.85 654 119.90 79 129.90 2968 76789 109.75 604 121.70 69 130.95 985 94.00 Average of 17.568 to 17.580 min.: 5w56584.D\data.ms Modified:subtracted m/z abund. m/z abund. m/zabund. m/z abund. 73 140.90 147.85 1420 746 132.10 8367 160.85 133.70 174 141.60 200 148.80 120 165.80 71 175 133.95 141.90 618 148.95 304 166.40 257 134.90 1551 142.10 258 149.85 632 167.10 199 135.80 82 142.85 9566 151.95 296 167.40 76 1428 419 136.90 143.75 632 152.95 369 168.35 229 137.90 118 144.70 153.80 454 168.70 151 138.75 273 144.90 491 154.90 1270 276 169.40 139.10 227 145.85 1061 155.90 148 169.65 504 554 139.80 424 146.70 118 156.95 945 170.10 140.00 227 146.90 519 158.85 912 170.60 489 Average of 17.568 to 17.580 min.: 5w56584.D\data.ms bfb Modified:subtracted m/z abund. m/z abund. m/z abund. m/z abund. 171.05 703 171.30 565 171.75 2414 172.95 6594 173.90 415936 174.90 33376 175.90 403093

M5w2144.M Tue Feb 04 08:53:42 2025

26221

660

176.90

177.85

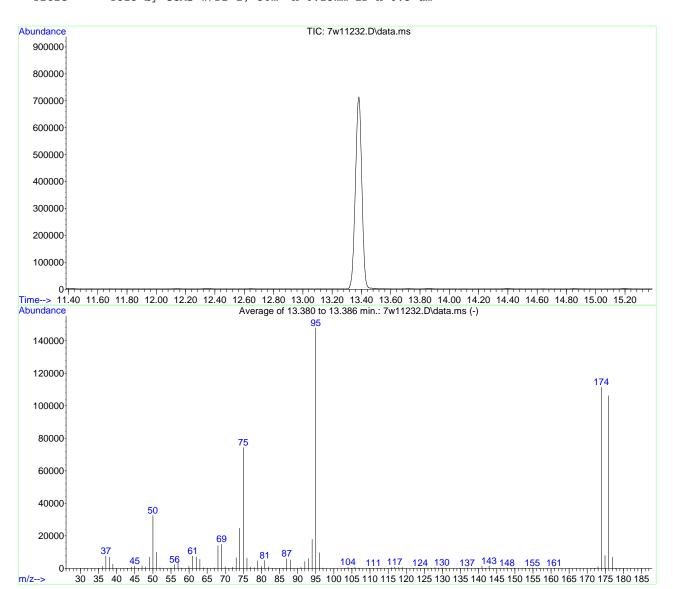
**202** 

JE5018

#### BFF

MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4134, 4135, 4136; Background Corrected with Scan 4106

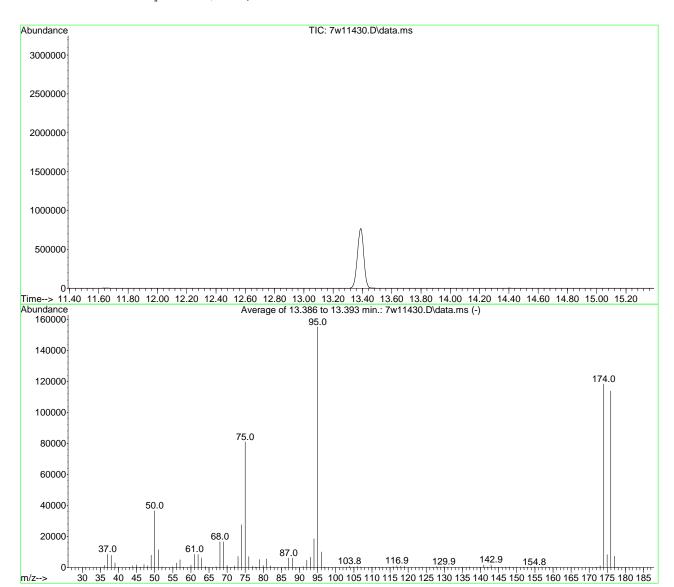
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50 75 95 96 173 174 175 176	95 95 95 95 174 95 174 174	8 30 100 5 0.00 50 4 93 5	40 66 100 9 2 120 9	22.0 50.3 100.0 6.5 1.0 75.4 7.1 95.3 6.6	32515 74333 147925 9647 1064 111515 7970 106229 7045	PASS PASS PASS PASS PASS PASS PASS PASS

7w11232.D M7Wbfb.M Sun Dec 29 09:54:16 2024

	_
	•
	•
	-
_	
ш	

Average of 13 bfb	.380 to	13.386 mi	n.: 7w1123	32.D\data.	ms		
	racted						
Modified:subt: m/z 36.00 37.00 38.00 38.95 39.95 41.95 42.90 44.00 45.00	racted abund. 1402 7618 7021 2652 34 51 121 960 1405	m/z 48.00 49.00 50.00 51.00 51.95 54.95 56.00 56.95 58.00	abund. 1003 6981 32515 9850 394 341 2407 4434 213	m/z 62.00 63.00 63.95 65.10 66.95 68.00 69.00 69.95 70.90	abund. 7132 5659 501 21 355 14030 14907 1121 64	m/z 74.00 75.00 76.00 76.95 77.95 78.90 79.95 80.90 81.90	abund. 24797 74333 6343 767 553 4693 1349 4870 1038
46.05	107	59.95	1473	71.95	697	82.95	148
47.00 Average of 13	1628	61.00	7603	73.00	6600	85.80	39
bfb	.300 00	13.300 1111	.11.• /WIIZ	oz.D\uata.	IIIS		
Modified:subt	racted						
m/z 86.00 87.00 87.95 90.90 92.00 93.00 94.00	abund. 47 5962 5322 618 4261 6046 17907 147925 9647 279 95	m/z 103.90 104.85 105.80 106.85 109.80 110.90 111.75 112.85 114.80 115.85 116.85	abund. 740 212 715 200 117 151 118 148 171 570 884	m/z 117.85 118.85 121.90 123.85 124.80 125.80 126.90 127.90 128.85 129.85 130.85	abund. 530 720 17 67 67 39 18 473 243 477 240	m/z 134.85 135.70 136.85 139.80 140.90 141.85 142.90 143.70 143.70 144.75 145.80	abund. 277 37 295 94 1504 239 1536 19 76 129
Average of 13						113.00	107
bfb Modified:subt	ragted						
	abund. 96 305 105 199 46 64 25 111 351 83 193	m/z 158.85 160.85 171.20 171.85 172.10 172.95 173.90 174.90 175.90 176.90 177.85	abund. 148 155 18 97 38 1064 111515 7970 106229 7045 185	m/z	abund.	m/z	abund.

MS Integration Params: rteint.p



AutoFind: Scans 4136, 4137, 4138; Background Corrected with Scan 4106

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50 75 95 96 173 174 175 176	95 95 95 95 174 95 174 174 176	8 30 100 5 0.00 50 4 93 5	40 66 100 9 2 120 9 101	23.6 52.2 100.0 6.4 0.9 76.2 7.0 96.3 6.4	36549 81000 155179 9967 1050 118272 8233 113904 7312	PASS PASS PASS PASS PASS PASS PASS PASS

7w11430.D M7W405.M Sun Jan 05 11:56:38 2025



Average of bfb	13.386 to	13.393 mi	n.: 7w114	30.D\data.	ms		
Modified:su	ubtracted						
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1452	47.05	1863	61.00	8476	73.00	7138
37.00	8456	47.95	1042	62.00	8378	74.00	27552
38.00	7758	49.00	7906	63.00	6086	75.00	81000
39.05	2962	50.00	36549	63.95	579	76.00	7014
39.95	133	51.00	11428	65.00	83	76.95	745
42.95	86	52.05	444	66.95	417	77.85	342
43.95	1034	54.95	487	68.00	16500	78.10	128
45.00	1692	56.00	2881	69.00	16498	78.90	5077
45.90	27	57.00	4962	70.00	1311	79.95	1317
46.00	30	57.00	205	71.10	20	80.90	5494
46.15	65	60.00	1519	72.00	918	81.90	1036
						01.90	1036
Average of bfb		13.393 M1	.n.: /W114	30.D\data.	ms		
Modified:su	ubtracted						
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
82.95	157	96.95	316	115.85	595	134.85	279
85.85	95	103.00	68	116.90	1013	135.70	19
86.10	52	103.85	854	117.90	657	136.90	328
87.00	6129	104.85	232	118.90	856	139.85	121
88.00	5982	105.90	680	123.75	101	140.90	1592
90.95	579	106.85	186	125.80	50	141.85	200
92.00	4637	109.80	122	126.80	19	142.90	1671
93.00	6615	110.85	167	127.85	525	143.90	114
94.00	18491	111.85	90	128.85	275	144.85	125
95.00	155179	112.85	137	129.90	649	145.85	181
96.00	9967	114.90	156	130.85	244	146.85	117
Average of							
bfb	13.300 00	10.000		30.2 (da5a.			
Modified:su	ubtracted						
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.90	347	172.10	32	•		,	
148.90	111	173.00	1050				
149.90	182	174.00	118272				
151.80	101	174.95	8233				
152.95	96	175.95	113904				
153.85	76	176.95	7312				
154.85	342	177.85	157				
156.90	264	177.03	137				
158.85	198						
160.80	179						
171.80	58						
1,1.00	20						

M7W405.M Sun Jan 05 11:55:53 2025

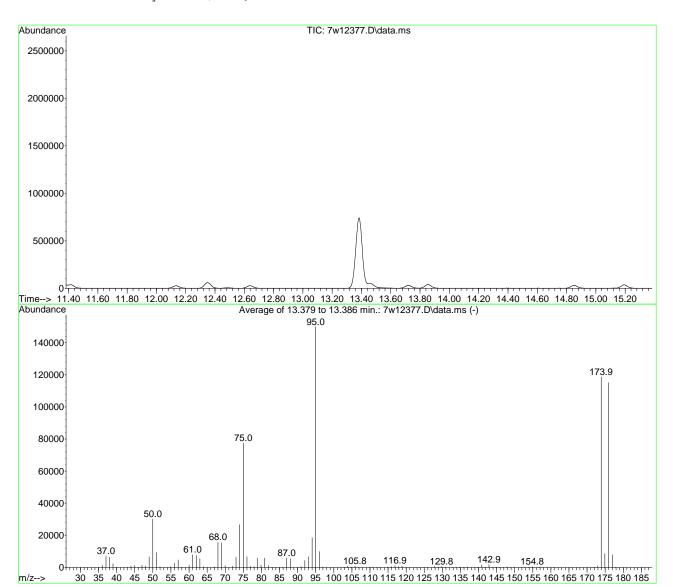
Data File : X:\Dayton VOA GCMS\k...0425\v7w440\7w12377.D Vial: 1

 Acq On
 : 4 Feb 2025
 8:46 am
 Operator: williamc

 Sample
 : bfb
 Inst : MS7W

 Misc
 : MS89217,v7w440,,,,,1
 Multiplr: 1.00

MS Integration Params: rteint.p



AutoFind: Scans 4134, 4135, 4136; Background Corrected with Scan 4106

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50 75 95 96 173 174 175 176	95 95 95 95 174 95 174 174	8 30 100 5 0.00 50 4 93 5	40 66 100 9 2 120 9 101	20.1 51.6 100.0 6.6 0.8 79.2 7.3 97.1 6.8	30189 77389 149867 9922 926 118637 8643 115173 7808	PASS PASS PASS PASS PASS PASS PASS PASS

7w12377.D M7W405.M Tue Feb 04 22:04:48 2025

Average of 13.379 to 13.386 min.: 7w12377.D\data.ms							
bfb Modified:su	htracted						
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1322	49.00	6561	63.00	5514	76.95	770
37.05	7064	50.00	30189	64.00	495	77.95	479
38.00	6382	51.00	9326	66.95	367	78.90	5718
39.00	2324	51.95	413	68.00	15646	79.90	1435
39.90	167	54.95	446	69.00	15344	80.90	5792
42.95	63	56.00	2625	69.95	1203	81.90	1197
43.95	822	57.00	4649	71.95	729	82.90	160
45.00 46.05	1294 94	58.05 60.00	242 1483	73.00 74.00	6500 26723	85.90 86.95	155 5798
47.00	1339	61.00	7895	75.00	77389	88.00	5431
48.00	883	62.00	7475	76.00	6785	90.90	583
Average of						20.20	303
bfb	13.375 60	13.300	, wild	, , . D (aaca .			
Modified:su	btracted						
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	4330	109.85	119	124.80	20	139.75	104
93.00	6684	110.75	203	125.85	75	140.90	1658
94.00	18563	111.85	120	127.90	553	141.75	115
95.00	149867	112.75	141	128.85	218	142.00	62
96.00 96.95	9922 247	114.85 115.85	200 621	129.80 130.90	596 204	142.90 143.70	1764 22
102.85	107	116.90	1060	133.80	18	143.70	74
103.85	725	117.85	545	134.85	346	144.70	38
104.85	267	118.85	952	135.80	25	144.95	97
105.85	762	122.70	22	136.85	353	145.80	214
106.90	159	123.75	95	138.85	54	146.80	88
Average of	13.379 to	13.386 mi	n.: 7w123	77.D\data.	ms		
bfb							
Modified:su		,		,		,	, ,
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.85	368	171.40	22				
148.75 149.80	89 163	171.90 172.95	134 926				
151.85	88	173.90	118637				
152.80	150	174.90	8643				
153.80	107	175.90	115173				
154.85	378	176.95	7808				
156.70	56	177.90	207				
156.90	189						
158.95	154						
160.85	180						

APPROVED (compounds with "m" flag) **Kanya Veerawat** 01/09/25 21:50

**Manual Integrations** 

Data Path : C:\msdchem\1\data\ Data File : 5w55994.D : 9 Jan 2025 12:36 am Acq On

: thomash : ic2144-0.04 Operator Sample

Misc : MS88386,V5W2144,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:08:49 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025

Response via: Initial Calibration

Compound	R.T.	QIon	Response	Conc U	nits I	Dev(Mi	.n)
Internal Standards 1) BROMOCHLOROMETHANE 51) 1,4-DIFLUOROBENZENE 70) CHLOROBENZENE-D5 109) BROMOCHLOROMETHANE (A)					PPBV PPBV PPBV	0	0.00
System Monitoring Compounds 85) 4-BROMOFLUOROBENZENE Spiked Amount 10.000 Ra	17.586 ange 65	95 - 128	1175874 Recove	10.52 ry =			.00
Target Compounds  3) FREON 152A  4) CHLORODIFLUOROMETHANE 5) CHLOROTRIFLUOROMETHANE 6) DICHLORODIFLUOROMETHANE 8) 1-CHLORO-1,1-DIFLUOROE 9) FREON 114  10) CHLOROMETHANE 11) VINYL CHLORIDE 12) 1,3-BUTADIENE 13) n-BUTANE 14) BROMOMETHANE 15) CHLOROFLUOROMETHANE 16) DICHLOROFLUOROMETHANE 17) FREON 123 20) FREON 123A 21) TRICHLOROFLUOROMETHANE 24) PENTANE 25) IODOMETHANE 26) 1,1-DICHLOROETHYLENE 27) CARBON DISULFIDE 29) BROMOETHENE 30) ACRYLONITRILE 31) METHYLENE CHLORIDE 32) 3-CHLOROPROPENE 33) FREON 113 34) TRANS-1,2-DICHLOROETHY 35) TERTIARY BUTYL ALCOHOL 36) METHYL TERTIARY BUTYL 38) HEXANE 40) 1,1-DICHLOROETHANE 42) cis-1,2-DICHLOROETHYLENE 46) CHLOROFORM 47) 2,4-DIMETHYLPENTANE 48) 1,1,1-TRICHLOROETHANE 49) CARBON TETRACHLORIDE 50) 1,2-DICHLOROETHANE 51) CYCLOHEXANE 52) BENZENE 53) CYCLOHEXANE 54) 2,3-DIMETHYLPENTANE 55) TRICHLOROETHYLENE 56) 1,2-DICHLOROETHANE 57) DIBROMOMETHANE 59) BROMODICHLOROMETHANE 59) BROMODICHLOROMETHANE	3.521 3.552 3.582 3.631 3.735 3.815 3.796 4.041 4.206 4.329 4.396 4.708 4.771 6.216 5.216 5.216 5.216 5.216 5.216 5.216 5.277 4.591 5.674 5.674 5.674 5.674 6.623	65 67 116 85 65 85 52 62 54 43 94 64 67 83 117 101 42 142 96 76 106 52 84 76 151 96 73 73	1853 447 2940 5942 6717 8570 981 2869 2362 5303 3514 1493 6747 7440 4122 7933 2198 5180 2020 4602 3163 1055 2150 536 3173 1776 2516 3858 2238 3198	0.06 0.03 0.04 0.05 0.04 0.05 0.05 0.05 0.05 0.05	PPBV PPBV PPBV PPBV PPBV PPBV PPBV PPBV	Qvalue # # # # # # # # # # # # # # # # # # #	ue 94289973887908877999991575651384598989916676999991

M5w2144.M Fri Jan 10 09:38:19 2025

Page: 1

Data Path : C:\msdchem\1\data\ Data File : 5w55994.D : 9 Jan 2025 12:36 am Acq On

: thomash : ic2144-0.04 Operator Sample

Misc : MS88386,V5W2144,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:08:49 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025

Response via: Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units Dev(Min)	
67)	1,3-DICHLOROPROPANE	13.022	 76	2387	0.03 PPBV # 73	3
69)	1,1,2-TRICHLOROETHANE	12.618	83	1687	0.03 PPBV 93	3
73)	TETRACHLOROETHYLENE	14.472	164	2849	0.04 PPBV 92	)
74)	DIBROMOCHLOROMETHANE	13.511	129	4116	0.03 PPBV 94	Ŀ
75)	1,2-DIBROMOETHANE	13.854		3270	0.04 PPBV # 99	)
76)	OCTANE	14.331	43	2989	0.03 PPBV 87	1
77)	1,1,1,2-TETRACHLOROETHANE	15.389	131	3162	0.04 PPBV 98	3
78)	CHLOROBENZENE	15.414		5417	0.04 PPBV # 51	-
79)	ETHYLBENZENE	15.977		6346	0.03 PPBV 95	,
80)	m,p-XYLENE	16.246		4381m		
81)	O-XYLENE	16.913		2014	0.03 PPBV # 74	
83)	NONANE	17.310	43	2812	0.03 PPBV # 79	,
/	BROMOFORM	16.313	173	4056	0.03 PPBV # 91	_
86)	1,1,2,2-TETRACHLOROETHANE	16.931		4847		
87)	1,2,3-TRICHLOROPROPANE	17.121		3572	0.04 PPBV 92	
88)	ISOPROPYLBENZENE	17.824	105	7568	0.03 PPBV 97	1
89)	BROMOBENZENE	17.928		3924		_
91)	n-PROPYLBENZENE	18.662		1753		
93)	1,3,5-TRIMETHYLBENZENE	19.023		5102	0.03 PPBV 96	
97)		19.843		5390	0.03 PPBV 93	
99)	p-DICHLOROBENZENE	19.947		5339		,
101)	1,2,3-TRIMETHYLBENZENE	20.247		5183	0.03 PPBV # 24	Ė
103)	o-DICHLOROBENZENE	20.424	146	5189	0.04 PPBV 94	
105)	HEXACHLOROETHANE	21.317		3402	0.03 PPBV 95	
106)	HEXACHLOROBUTADIENE	23.367		5243		
107)	1,2,4-TRICHLOROBENZENE	23.238	180	6027	0.05 PPBV 90	
108)	NAPHTHALENE	22.908	128	13009	0.05 PPBV 92	2

<sup>(#) =</sup> qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\ Data File: 5w55994.D 9 Jan 2025 Acq On 12:36 am

Operator thomash : ic2144-0.04 Sample

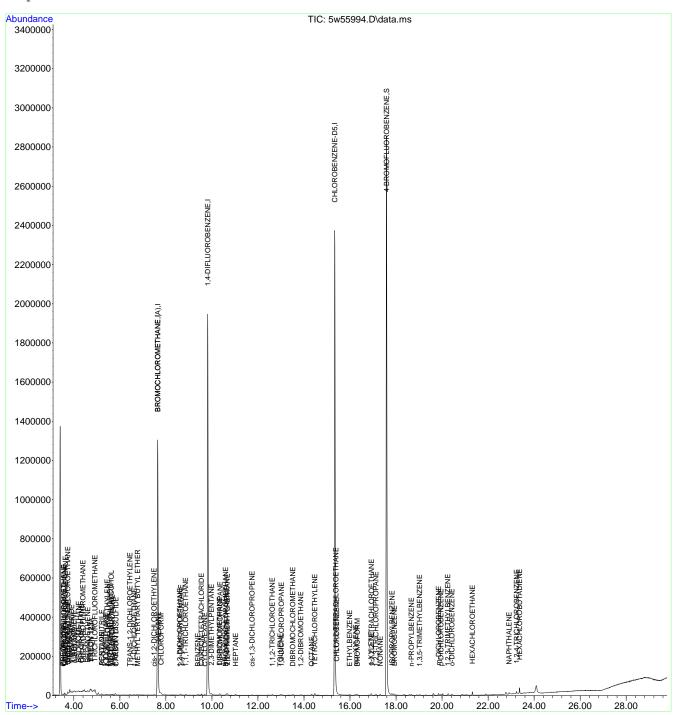
Misc : MS88386, V5W2144,,,,,1 ALS Vial Sample Multiplier: 1

Quant Time: Jan 09 17:08:49 2025

Quant Method: C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025

Response via : Initial Calibration



## **Manual Integration Approval Summary**

Sample Number: V5W2144-IC2144 Method: TO-15

 Lab FileID:
 5W55994.D
 Analyst approved:
 01/09/25 17:26
 Thomas Hilbig

 Injection Time:
 01/09/25 00:36
 Supervisor approved:
 01/09/25 21:50
 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason

m,p-Xylene 16.25 Missed peak

#### Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\
Data File : 5w55994.D
Acq On : 9 Jan 2025 12:36 am
Operator : thomash
```

Operator : thomash Sample : ic2144-0.04

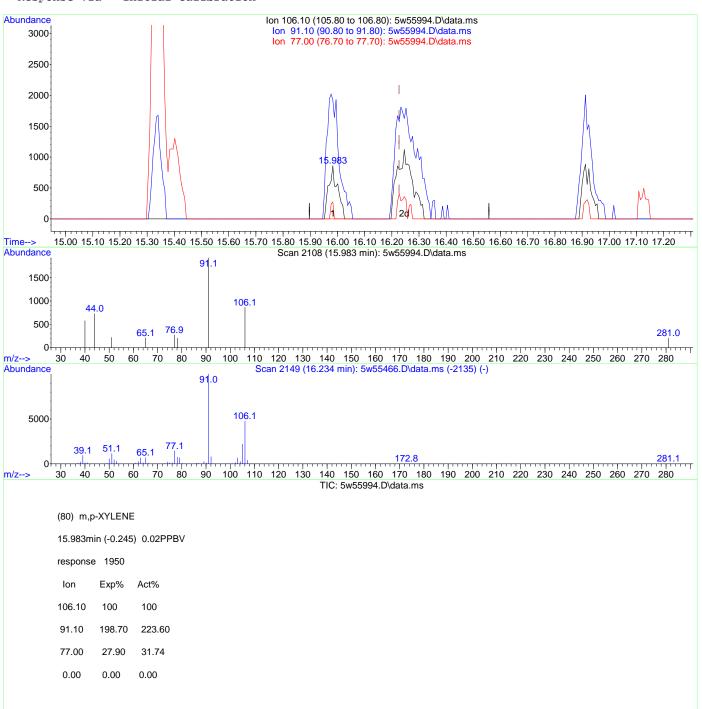
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 09:31:45 2025

Quant Method: C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um

QLast Update : Thu Jan 09 09:18:24 2025



#### Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\
Data File : 5w55994.D
Acq On : 9 Jan 2025 12:36 am
Operator : thomash
```

Operator : thomash Sample : ic2144-0.04

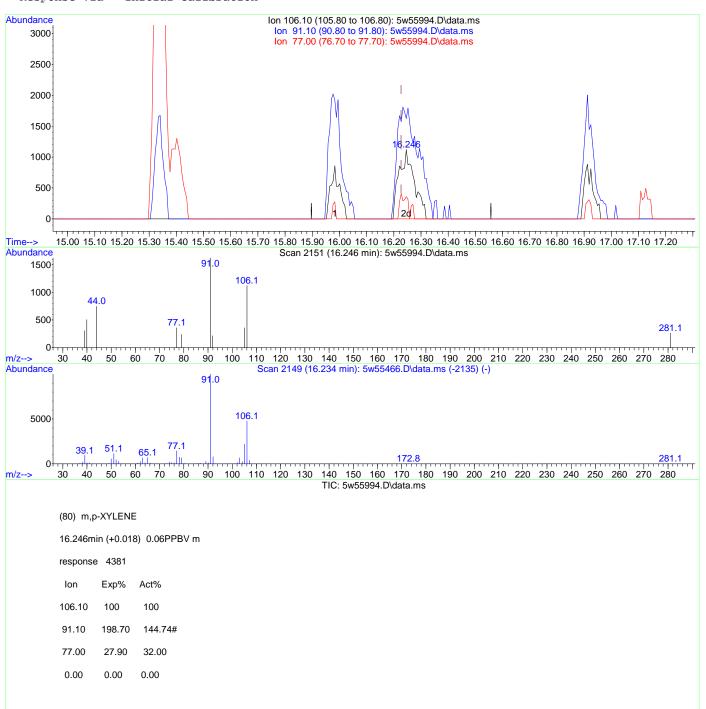
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 09:31:45 2025

Quant Method: C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um

QLast Update : Thu Jan 09 09:18:24 2025



**Manual Integrations** APPROVED (compounds with "m" flag)

> **Kanya Veerawat** 01/09/25 21:50

#### Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\ Data File : 5w55995.D : 9 Jan 2025 Acq On 1:16 am Operator : thomash

: ic2144-0.1 Sample

Misc : MS88386,V5W2144,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:01:51 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response				
T							
Internal Standards 1) BROMOCHLOROMETHANE	7 615	120	122255	10.00	ממממ		0.00
1) BROMOCHLOROMETHANE 51) 1,4-DIFLUOROBENZENE 70) CHLOROBENZENE-D5	7.045 0.916	120 11 <i>1</i>	433255 1918380 901402 433255	10.00			0.00
70	15 225	714	910300	10.00			0.00
109) BROMOCHLOROMETHANE (A)	7 645	120	722255	10.00			# 0.00
109) BROMOCHLOROMETHANE (A)	7.043	120	433233	10.00	PPDV		# 0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1152670	10.56	DDRV		0 00
Spiked Amount 10.000	Range 65						
Spined imount 10.000	nange 05	120	1100010	- 1	100.	000	
Target Compounds						Ov	alue
3) FREON 152A	3.527	65	3650	0.13	PPBV	_	91
4) CHLORODIFLUOROMETHANE	3.558	67	1532	0.10	PPBV		61
5) CHLOROTRIFLUOROETHENE	3.582	116	7165	0.10	PPBV		96
6) DICHLORODIFLUOROMETHANE	3.631	85	14944	0.10	PPBV		99
7) PROPYLENE	3.582	41	4514	0.13	PPBV		84
8) 1-CHLORO-1,1-DIFLUOROE	3.735	65	15855	0.11	PPBV		92
9) FREON 114	3.821	85	21716	0.12	PPBV		95
10) CHLOROMETHANE	3.754	52	2244	0.12	PPBV		92
11) VINYL CHLORIDE	3.913	62	7444	0.11	PPBV		94
12) 1,3-BUTADIENE	4.005	54	5295	0.12	PPBV	#	71
13) n-BUTANE	4.041	43	11150	0.13	PPBV	#	93
14) BROMOMETHANE	4.206	94	8211	0.12	PPBV		89
15) CHLOROETHANE	4.335	64	3509	0.13	PPBV		80
16) DICHLOROFLUOROMETHANE	4.402	67	17356	0.12	PPBV		92
17) ACETONITRILE	4.622	41	5969	0.12	PPBV	#	80
19) FREON 123	4.714	83	17789	0.12	PPBV		99
20) FREON 123A	4.751	117	10511	0.12	PPBV		87
21) TRICHLOROFLUOROMETHANE	4.916	101	19530	0.13	PPBV		98
24) PENTANE	5.210	42	5024	0.13	PPBV		91
25) IODOMETHANE	5.393	142	12927	0.10	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.454	96	4487	0.11	PPBV		94
27) CARBON DISULFIDE	5.834	106	12164	0.11	PDD74		76
29) BROMOETHENE	4.592	T00	7330	0.11	PDDM		88 87
30) ACRILONIIRILE	5.204	0.4	3100	0.14	PPDV		98
31) MEINILENE CHLORIDE	5.505	04 76	451U 1601	0.12	PPBV	#	96 62
32) 5-CHLOROPROPENE 32) FDFON 112	5.075	151	7031	0.09	DDDW	#	98
34) TPANG_1 2_DICHLOPOFTHY	6 439	96	4415	0.11	DDBM		93
35) TEPTIARY RITTI. ALCOHOL.	5 607	5 Q	6517	0.10	DDBM		89
36) METHYL TERTIARY RUTYL	6 751	73	9762	0.05	DDRV		91
37) TETRAHVOROFIRAN	8 342	72	997	0.05	DDRV	±	40
38) HEXANE	7.687	57	5305	0.09	PPBV	"	82
40) 1 1-DICHLOROETHANE	6 629	63	7463	0.05	PPRV		98
41) METHYL ETHYL KETONE	7.161	72	1030	0.06	PPBV	#	35
42) cis-1.2-DICHLOROETHYLENE	7.479	96	4462	0.10	PPBV	"	98
43) DIISOPROPYL ETHER	7.742	59	1359	0.08	PPBV	#	69
46) CHLOROFORM	7.785	83	10941	0.11	PPBV		93
47) 2,4-DIMETHYLPENTANE	8.648	57	5536	0.08	PPBV		86
48) 1,1,1-TRICHLOROETHANE	8.862	97	10721	0.11	PPBV		99
Target Compounds  3) FREON 152A  4) CHLORODIFLUOROMETHANE 5) CHLOROTRIFLUOROMETHANE 6) DICHLORODIFLUOROMETHANE 7) PROPYLENE 8) 1-CHLORO-1,1-DIFLUOROE 9) FREON 114 10) CHLOROMETHANE 11) VINYL CHLORIDE 12) 1,3-BUTADIENE 13) n-BUTANE 14) BROMOMETHANE 15) CHLOROFLUOROMETHANE 16) DICHLOROFLUOROMETHANE 17) ACETONITRILE 19) FREON 123 20) FREON 123A 21) TRICHLOROFLUOROMETHANE 25) IODOMETHANE 25) IODOMETHANE 26) 1,1-DICHLOROFLUOROMETHANE 27) CARBON DISULFIDE 29) BROMOETHENE 30) ACRYLONITRILE 31) METHYLENE CHLORIDE 32) 3-CHLOROPROPENE 33) FREON 113 34) TRANS-1,2-DICHLOROETHY 35) TERTIARY BUTYL ALCOHOL 36) METHYL TERTIARY BUTYL 37) TETRAHYDROFURAN 38) HEXANE 40) 1,1-DICHLOROETHANE 41) METHYL ETHYL KETONE 42) cis-1,2-DICHLOROETHYLENE 43) DIISOPROPYL ETHER 46) CHLOROFORM 47) 2,4-DIMETHYLPENTANE 48) 1,1,1-TRICHLOROETHANE 49) CARBON TETRACHLORIDE 50) 1,2-DICHLOROETHANE 49) CARBON TETRACHLORIDE 50) 1,2-DICHLOROETHANE 52) BENZENE 53) CYCLOHEXANE	9.553	117	11441	0.10	PPBV		97
50) 1,2-DICHLOROETHANE	8.593	62	6119	0.10	PPBV	#	95
52) BENZENE	9.388	78	13309	0.11	PPBV		97
53) CYCLOHEXANE	9.682	84	4623	0.09	PPBV		94
בעו אביידער באביידער באבייאור	9 988	71	2369	n na	DDRV	#	QΛ

9.988

10.642

10.361

10.318

71

95

63

174

2369

6197

5058

7095

0.09 PPBV #

0.10 PPBV

0.10 PPBV

0.11 PPBV

80

99

93

98

M5w2144.M Fri Jan 10 09:38:22 2025

54) 2,3-DIMETHYLPENTANE

55) TRICHLOROETHYLENE

56) 1,2-DICHLOROPROPANE

57) DIBROMOMETHANE

Page: 1

Data Path : C:\msdchem\1\data\ Data File : 5w55995.D Acq On : 9 Jan 2025 1:16 am
Operator : thomash
Sample : ic2144-0.1
Misc : MS88386,V5W2144,,,,,1

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:01:51 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units Dev(Min	)
59)	BROMODICHLOROMETHANE	10.593	83	11411	0.10 PPBV 10	0
60)	2,2,4-TRIMETHYLPENTANE	10.667	57	17179	0.09 PPBV 90	6
	1,4-DIOXANE	10.777		2088	0.07 PPBV #	1
62)	HEPTANE	11.022		6061	0.09 PPBV 90	б
63)	METHYL METHACRYLATE	11.009	69	2564	0.06 PPBV #	1
	cis-1,3-DICHLOROPROPENE	11.737		6402	0.08 PPBV 8'	7
	TOLUENE	12.967		7525	0.08 PPBV 9	4
	1,3-DICHLOROPROPANE	13.022		6941	0.09 PPBV # 98	8
	trans-1,3-DICHLOROPROPENE	12.435		5660	0.07 PPBV 89	
	1,1,2-TRICHLOROETHANE	12.618		5480	0.10 PPBV 9	
	TETRACHLOROETHYLENE	14.466		7210	0.11 PPBV 9	5
	DIBROMOCHLOROMETHANE	13.505	129	11414	0.09 PPBV 9	5
	1,2-DIBROMOETHANE	13.830		8657	0.10 PPBV # 98	8
,	OCTANE	14.325		7208	0.08 PPBV 9:	3
77)	1,1,1,2-TETRACHLOROETHANE	15.383		7961	0.10 PPBV 100	
	CHLOROBENZENE	15.402		13954	0.11 PPBV 9	
	ETHYLBENZENE	15.965		16779	0.09 PPBV 9	
	m,p-XYLENE	16.246		11529	0.15 PPBV # 83	
,	O-XYLENE	16.907		5508	0.07 PPBV 9	
82)	STYRENE	16.778		7132	0.06 PPBV 9	4
	NONANE	17.304		7111	0.07 PPBV 9	5
,	BROMOFORM	16.295		10191	0.08 PPBV 9	
	1,1,2,2-TETRACHLOROETHANE	16.913		13778	0.11 PPBV 9'	
	1,2,3-TRICHLOROPROPANE	17.115		9506	0.11 PPBV 9	5
	ISOPROPYLBENZENE	17.818		19384	0.09 PPBV 9	
,	BROMOBENZENE	17.910		10985	0.10 PPBV 93	
	2-CHLOROTOLUENE	18.565		4604	0.08 PPBV 93	1
91)	n-PROPYLBENZENE	18.656	120	4267	0.07 PPBV 7	2
92)	4-ETHYLTOLUENE	18.889	105	15753m	0.07 PPBV	
93)	1,3,5-TRIMETHYLBENZENE	19.024	105	13725	0.08 PPBV 9'	7
94)	ALPHA-METHYLSTYRENE	19.274	118	5690	0.06 PPBV 9	5
95)	tert-BUTYLBENZENE	19.611	134	2934	0.07 PPBV 99	9
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	13508	0.07 PPBV # 33	1
97)	m-DICHLOROBENZENE	19.831	146	12842	0.08 PPBV 99	9
99)	p-DICHLOROBENZENE	19.935	146	13807	0.10 PPBV 90	б
100)	sec-BUTYLBENZENE	20.021	134	3746	0.07 PPBV 9:	2
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	13896	0.07 PPBV # 9!	5
102)	p-ISOPROPYLTOLUENE	20.265	134	4014	0.07 PPBV # 88	8
103)	o-DICHLOROBENZENE	20.412	146	12791	0.10 PPBV 98	8
104)	n-BUTYLBENZENE	20.859	134	3516	0.06 PPBV # 7	5
105)	HEXACHLOROETHANE	21.318	117	9333	0.09 PPBV 9'	7
106)	HEXACHLOROBUTADIENE	23.367	225	11703	0.09 PPBV 9'	
107)	1,2,4-TRICHLOROBENZENE	23.233		11258	0.10 PPBV 9	
108)	NAPHTHALENE	22.902	128	21792	0.08 PPBV 9	4
						_

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\ Data File: 5w55995.D 9 Jan 2025 Acq On 1:16 am

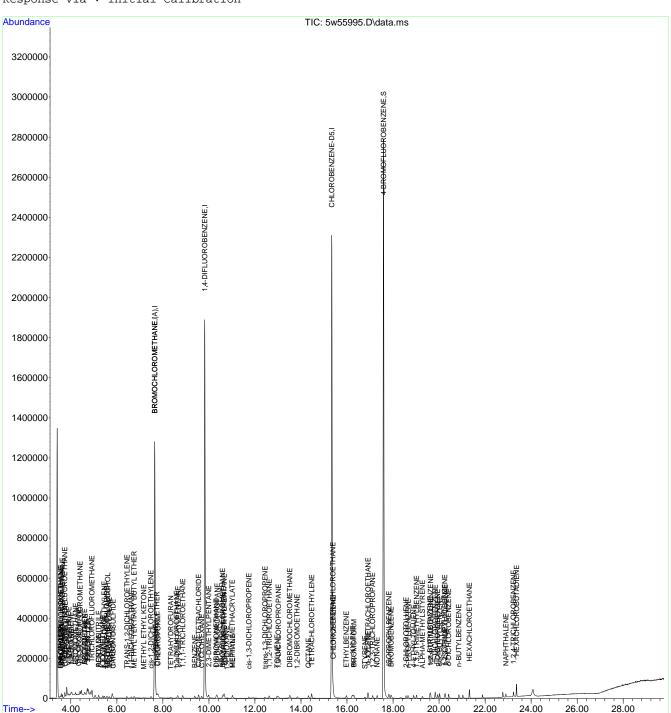
Operator thomash : ic2144-0.1 Sample

Misc : MS88386, V5W2144,,,,,1 ALS Vial Sample Multiplier: 1

Quant Time: Jan 09 19:01:51 2025

Quant Method: C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025



## **Manual Integration Approval Summary**

Sample Number: V5W2144-IC2144 Method: TO-15

 Lab FileID:
 5W55995.D
 Analyst approved:
 01/09/25 19:21
 Thomas Hilbig

 Injection Time:
 01/09/25 01:16
 Supervisor approved:
 01/09/25 21:50
 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Ethyltoluene	622-96-8		18.89	Missed peak

SGS

#### Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\ Data File: 5w55995.D Acq On 9 Jan 2025 1:16 am Operator thomash

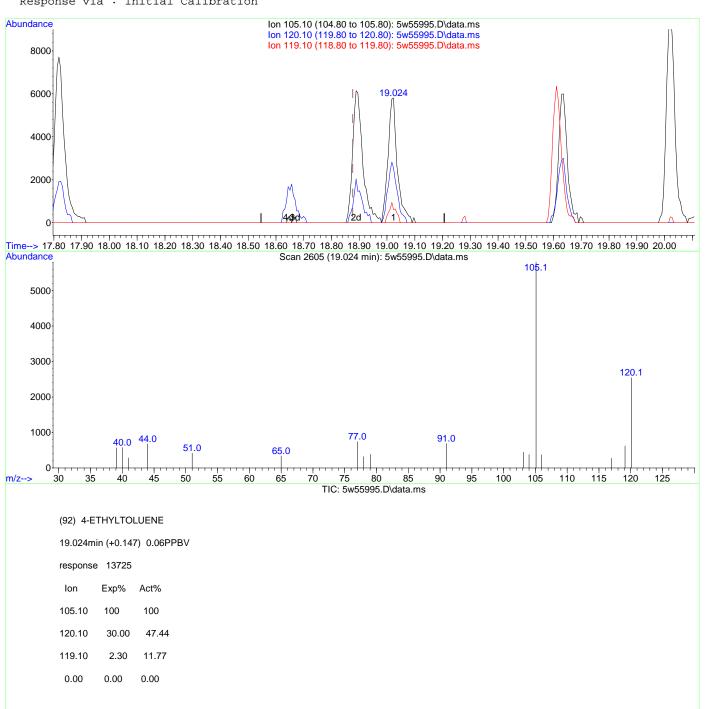
: ic2144-0.1 Sample

Misc : MS88386, V5W2144, , , , , 1 ALS Vial Sample Multiplier: 1

Quant Time: Jan 09 17:08:59 2025

Quant Method: C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025



#### Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\
Data File : 5w55995.D
Acq On : 9 Jan 2025 1:16 am
Operator : thomash
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Sample : ic2144-0.1

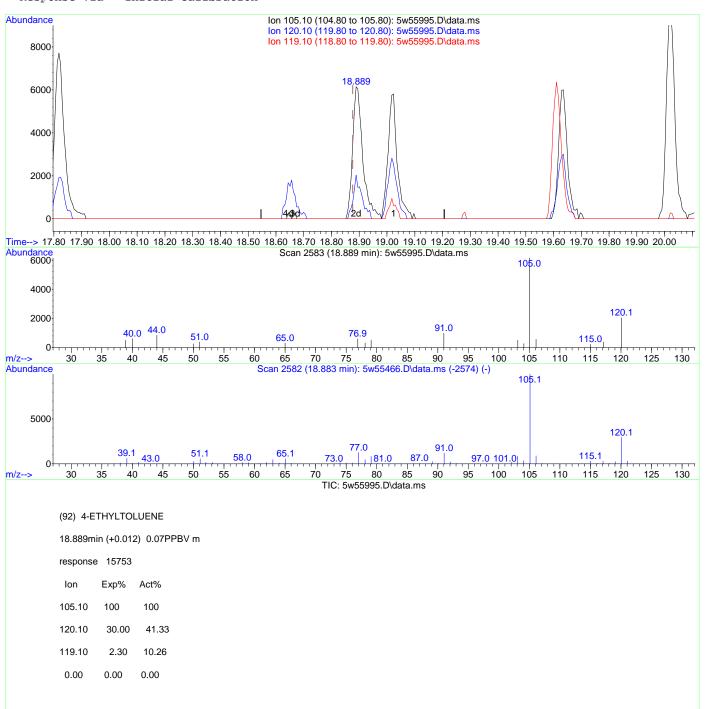
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:08:59 2025

Quant Method: C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um

QLast Update : Thu Jan 09 09:18:24 2025



Data Path : C:\msdchem\1\data\ Data File : 5w55996.D 1:59 am Acq On : 9 uan 2011
Operator : thomash
Sample : ic2144-0.2
Misc : MS88386,V5W2144,,,,,1 : 9 Jan 2025

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:09 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025 Response via : Initial Calibration

•						
Compound	R.T.	QIon	Response	Conc Ui	nits D	ev(Min)
Internal Standards	7 651	128	430146	10 00	DDBM	0.00
1) BROMOCHLOROMETHANE 51) 1,4-DIFLUOROBENZENE 70) CHLOROBENZENE-D5 109) BROMOCHLOROMETHANE (A)	9 816	114	1898537	10.00	DDBM	0.00
70) CHLOROBENZENE-D5	15 335	82	894261	10.00	PPRV	0.00
109) BROMOCHLOROMETHANE (A)	7 651	128	430146	10.00	PPRV	# 0.00
10) BROMOCHEOROFIETHAME (A)	7.031	120	150110	10.00	IIDV	т 0.00
System Monitoring Compounds						
System Monitoring Compounds 85) 4-BROMOFLUOROBENZENE	17.586	95	1158429	10.70	PPBV	0.00
Spiked Amount 10.000	Range 65	- 128	Recove	ry =	107.0	0%
Target Compounds 3) FREON 152A						
Target Compounds	2 524	<b>6</b> F	61.60	0 00	DDDII	Qvalue
3) FREUN 15ZA	3.534	65	9198	0.22	PPD11	91
4) CHLORODIFLUOROMETHANE	3.5/0	6 / 11 6	2932 14560	0.20	DDD11	96
5) CHLOROIRIFLUOROETHENE	3.595	7.1.0	20222	0.20	PPBV	100
7) DDODVI.FNF	3.011	41	7548	0.21	DDBM	200
8) 1_CHI.OPO_1 1_DIFI.IIOPOF	3.302	65	32151	0.22	DDBM	95
9) FREON 114	3 827	85	43523	0.22	PPRV	95
10) CHLOROMETHANE	3.760	52	4413	0.24	PPBV	98
11) VINYL CHLORIDE	3.919	62	14573	0.23	PPBV	96
12) 1,3-BUTADIENE	4.017	54	10010	0.24	PPBV	86
13) n-BUTANE	4.054	43	23212	0.28	PPBV	# 93
14) BROMOMETHANE	4.219	94	15513	0.23	PPBV	90
15) CHLOROETHANE	4.341	64	6633	0.24	PPBV	91
16) DICHLOROFLUOROMETHANE	4.408	67	33297	0.24	PPBV	98
17) ACETONITRILE	4.629	41	14458	0.29	PPBV	92
18) ACROLEIN	4.720	56	6230	0.28	PPBV	# 4
19) FREON 123	4.720	83	35230	0.23	PPBV	98
20) FREON 123A	4.763	117	20311	0.24	PPBV	87
21) TRICHLOROFLUOROMETHANE	4.928	T0T	30110	0.20	PPD77	99
22) ISOPROPYL ALCOHOL	5.05/	45	25111	0.34	PDD74	8 /
23) ACEIONE 24) DENTANE	4.043 E 216	20 42	0402	0.35	PPBV	# 70
25) TODOMETHANE	5.210	142	930 <u>2</u> 25561	0.24	DDBM	90
26) 1 1-DICHLOROETHYLENE	5 467	96	8707	0.21	DDBM	94
27) CARBON DISHLETDE	5.840	76	25423	0.22	PPBV	85
29) BROMOETHENE	4.604	106	14423	0.22	PPBV	96
30) ACRYLONITRILE	5.216	52	7003	0.31	PPBV	98
31) METHYLENE CHLORIDE	5.577	84	8794	0.24	PPBV	98
32) 3-CHLOROPROPENE	5.681	76	3873	0.21	PPBV	90
33) FREON 113	5.809	151	16242	0.22	PPBV	100
34) TRANS-1,2-DICHLOROETHY.	6.433	96	9097	0.22	PPBV	97
35) TERTIARY BUTYL ALCOHOL	5.607	59	13183	0.18	PPBV	85
36) METHYL TERTIARY BUTYL .	6.751	73	20340	0.19	PPBV	93
37) TETRAHYDROFURAN	8.318	72	2510	0.14	PPBV	# 67
38) HEXANE	7.687	57	10819	0.18	PPD77	90
39) VINYL ACETATE	6.825	86	15670	0.06	PDD74	# 1
40) I,I-DICHLOROETHANE 41) METHYL ETHYL KETONE	7.125	73	2726	0.22	DDD11	# 72
42) cis-1,2-DICHLOROETHYLEN	7.125 E 7.486	96	9388	0.13	PPBV	94
43) DIISOPROPYL ETHER	7.749	59	3117	0.21	PPBV	98
44) ETHYL ACETATE	7.745	61	1830		PPBV	
45) METHYL ACRYLATE	7.779	55	10050m		PPBV	37
46) CHLOROFORM	7.798	83	21741		PPBV	90
47) 2,4-DIMETHYLPENTANE	8.648	57	11533		PPBV	88
48) 1,1,1-TRICHLOROETHANE	8.862	97	21758		PPBV	98
49) CARBON TETRACHLORIDE	9.553	117	23203		PPBV	99
50) 1,2-DICHLOROETHANE	8.599	62	13059	0.22	PPBV	94

M5w2144.M Fri Jan 10 09:38:24 2025

Page: 1

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Data Path : C:\msdchem\1\data\ Data File : 5w55996.D : 9 Jan 2025 1:59 am Acq On

Operator : thomash Sample : ic2144-0.2 Misc : MS88386,V5W2144,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:09 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025

Response via : Initial Calibration

	Compound				Conc Units I	
	BENZENE	9.388	78	25585 8785 5117 12186 9729 14121 11040 23424 32971 4325 12467 6268 4258	0.21 PPBV	99
	CYCLOHEXANE	9.682	84	8785	0.17 PPBV	97
	2,3-DIMETHYLPENTANE	9.988	71	5117	0.20 PPBV	94
55)	TRICHLOROETHYLENE	10.642	95	12186	0.19 PPBV	
56)		10.355	95 63	9729	0.20 PPBV	98
57)	DIBROMOMETHANE	10.330	174	14121	0.21 PPBV	97
58)	ETHYL ACRYLATE	10.477	55	11040	0.12 PPBV	# 82
59)	BROMODICHLOROMETHANE	10.593	83 57 88	23424	0.20 PPBV	92
60)	2,2,4-TRIMETHYLPENTANE	10.673	57	32971	0.18 PPBV	94
61)	1,4-DIOXANE	10.765	88	4325	0.14 PPBV	
	HEPTANE	11.022	43 69 58 75	12467 6268 4258 13102	0.18 PPBV	97
	METHYL METHACRYLATE	10.979	69	6268	0.14 PPBV	
,	METHYL ISOBUTYL KETONE	11.860	58	4258	0.12 PPBV	
	cis-1,3-DICHLOROPROPENE	11.731	75	13102	0.16 PPBV	89
,	TOLUENE	12.961	92	15243	0.16 PPBV	97
	1,3-DICHLOROPROPANE	13.022	76	15243 14414 11037 10655	0.18 PPBV	
	trans-1,3-DICHLOROPROPENE	12.423	75	11037	0.14 PPBV	90 97
	1,1,2-TRICHLOROETHANE	12.618 13.438	83 E0	10022	0.20 PPBV 0.08 PPBV	
	2-HEXANONE ETHYL METHACRYLATE	13.436	58 75 92 76 75 83 58 69	3862 8311	0.00 PPBV 0.11 PPBV	# 49 94
	TETRACHLOROETHYLENE	14.460	164	14147	0.22 PPBV	99
	DIBROMOCHLOROMETHANE	13.512	129	23704	0.22 FFBV	96
	1,2-DIBROMOETHANE	13.830	107			97
	OCTANE	14.325	43	18318 14928	0.16 PPBV	93
	1,1,1,2-TETRACHLOROETHANE			15844	0.21 PPBV	
	CHLOROBENZENE	15.402	112	28951	0.23 PPBV	96
	ETHYLBENZENE	15.965	91			98
	m,p-XYLENE	16.234	106	33131 24603	0.32 PPBV	96
	O-XYLENE	16.901	106	11814	0.16 PPBV	94
82)	STYRENE	16.772	104	15130	0.13 PPBV	98
83)	NONANE	17.304	43	15302	0.16 PPBV	99
	BROMOFORM	16.295	173	15130 15302 22128 27500 18951 38756 21469 9449 9127	0.18 PPBV	98
	1,1,2,2-TETRACHLOROETHANE	16.913	83	27500	0.21 PPBV	99
	1,2,3-TRICHLOROPROPANE	17.103	75	18951	0.22 PPBV	98
	ISOPROPYLBENZENE	17.812	105	38756	0.18 PPBV	98
89)	BROMOBENZENE	17.916	77	21469	0.20 PPBV	95
90)	2-CHLOROTOLUENE	18.552	126	9449	0.16 PPBV	97
,	n-PROPYLBENZENE	18.644	120	9127	0.15 PPBV	99 99
	4-ETHYLTOLUENE	18.883 19.017	105	33181	0.13 1150	99
	1,3,5-TRIMETHYLBENZENE ALPHA-METHYLSTYRENE	19.017	126 120 105 105 118	29448 11835	0.16 PPBV 0.12 PPBV	96 97
	tert-BUTYLBENZENE	19.200	134	6084		
		19.629		6084 28844	0.14 PPBV	99
	m-DICHLOROBENZENE	19.831	146	26957	0.18 PPBV	98
		19.819	91	26223	0.14 PPBV	97
	p-DICHLOROBENZENE	19.929	146			98
	-	20.015	134	27136 8151 29770	0.16 PPBV	
	1,2,3-TRIMETHYLBENZENE	20.241	105	29770	0.15 PPBV	
	p-ISOPROPYLTOLUENE	20.265	134	9403	0.16 PPBV	96
103)	o-DICHLOROBENZENE	20.412	146	9403 26574 7862 18373	0.20 PPBV	98
104)	n-BUTYLBENZENE	20.859	134	7862	0.13 PPBV	# 83
105)	n-BUTYLBENZENE HEXACHLOROETHANE	21.318	117	18373	0.19 PPBV	97
106)	HEXACHLOROBUTADIENE	23.367	225	23529	0.18 PPBV	96
107)	I,Z,I IKICHHOKODHNUHNU	23.233	180	20813	0.18 PPBV	98
,	NAPHTHALENE	22.896	128	23529 20813 42291 63670	0.15 PPBV	
110)	TVHC as equiv Pentane	5.216	TIC	7862 18373 23529 20813 42291 63670	0.25 PPBV	100

Data Path : C:\msdchem\1\data\ Data File : 5w55996.D Data File: 5W55996.D

Acq On: 9 Jan 2025 1:59 am

Operator: thomash

Sample: ic2144-0.2

Misc: MS88386,V5W2144,,,,,1

ALS Vial: 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:09 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025

Response via : Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min) (#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\ Data File: 5w55996.D 9 Jan 2025 1:59 am Acq On

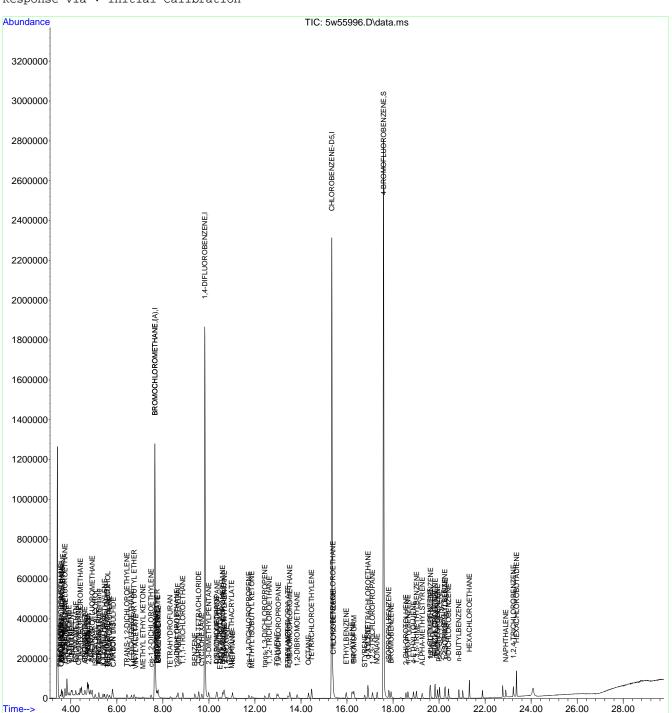
Operator thomash : ic2144-0.2 Sample

Misc : MS88386, V5W2144,,,,,1 ALS Vial Sample Multiplier: 1

Quant Time: Jan 09 17:09:09 2025

Quant Method: C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025



M5w2144.M Fri Jan 10 09:38:24 2025

#### Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\ Data File: 5w55996.D 9 Jan 2025 1:59 am Acq On Operator : thomash

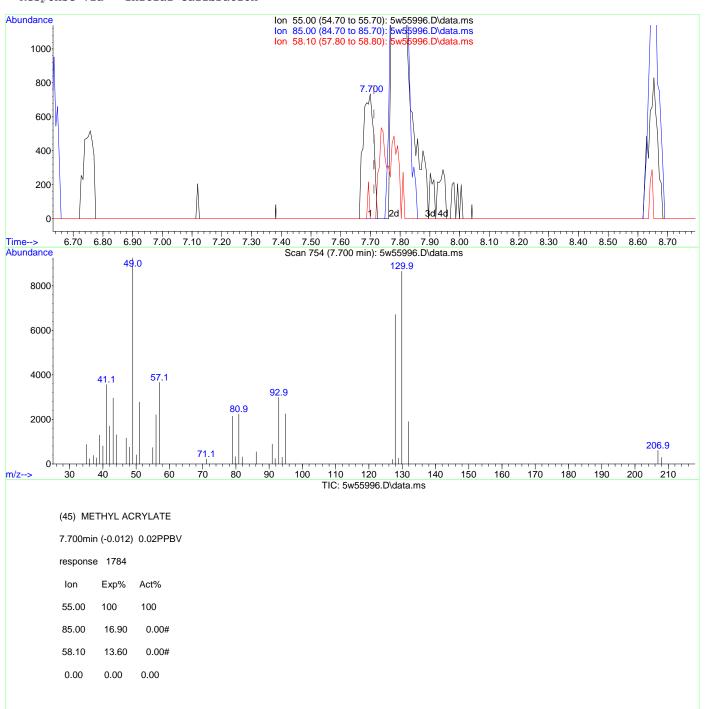
: ic2144-0.2 Sample

Misc : MS88386, V5W2144,,,,,1 ALS Vial Sample Multiplier: 1

Quant Time: Jan 09 09:31:18 2025

Quant Method: C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025



#### Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55996.D
Acq On : 9 Jan 2025 1:59 am
Operator : thomash

Sample : ic2144-0.2

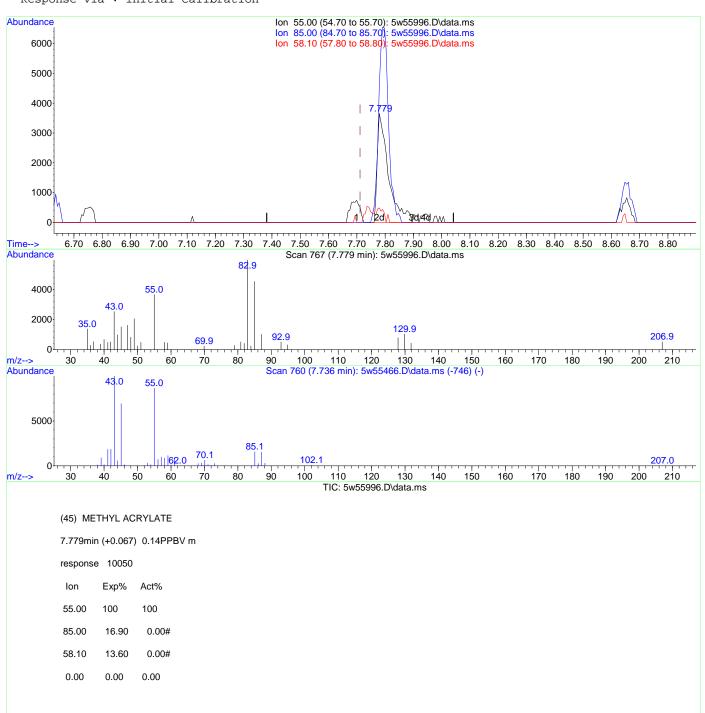
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:09 2025

Quant Method: C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um

QLast Update : Thu Jan 09 09:18:24 2025



Data Path : C:\msdchem\1\data\
Data File : 5w56001.D
Acq On : 9 Jan 2025 5:39 am
Operator : thomach

Operator : thomash
Sample : ic2144-5
Misc

Misc : MS88386,V5W2144,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:25 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025

QLast Update : Thu Jan 09 09:18:24 20 Response via : Initial Calibration

		.01011					
	Compound	R.T.	QIon	Response	Conc U	nits D	ev(Min)
Tnto	rnal Standards						
11111	DDOMOCUI ODOMETUANE	7 651	1 2 Ω	112211	10 00	זמממ	0.00
1 / 51 \	1 4-DIFIJIOPORFNZENE	9 822	114	1823891	10.00		
70)	CHIOROBENZENE-D5	15 341	82	913003	10.00	PPBV	
109)	BROMOCHLOROMETHANE 1,4-DIFLUOROBENZENE CHLOROBENZENE-D5 BROMOCHLOROMETHANE (A)	7 651	128	412314	10.00		
100)	BROMOCHEOROFIETH (A)	7.031	120	112311	10.00	IIDV	п 0.00
Svst	em Monitoring Compounds						
85)	4-BROMOFLUOROBENZENE	17.586	95	1161846	10.51	PPBV	0.00
Sp	iked Amount 10.000	Range 65	- 128	Recove	ry =		
-		J			-		
Targ	et Compounds						Qvalue
3)	FREON 152A	3.527					
4)	CHLORODIFLUOROMETHANE	3.558	67	73198	5.27	PPBV	97
5)	CHLOROTRIFLUOROETHENE	3.588	116	364587	5.26	PPBV	99
				733551 178796	5.39	PPBV	100
7)	PROPYLENE	3.582	41	178796	5.42	PPBV	98
8)	1-CHLORO-1,1-DIFLUOROE	. 3.735	65	756226	5.48	PPBV	100
9)	FREON 114	3.821	85	1036757	5.83	PPBV	99
10)	PROPYLENE 1-CHLORO-1,1-DIFLUOROE FREON 114 CHLOROMETHANE VINYL CHLORIDE 1,3-BUTADIENE n-BUTANE BROMOMETHANE CHLOROETHANE DICHLOROETHANE	3.754	52	95845	5.37	PPB/	100
11)	VINYL CHLORIDE	3.913	0∠	33/433	5.44	DDD74	100
12)	1,3-BUTADIENE	4.011	54 42	462020	5.64	DDD74	98
14)	DDOMOMETHANE	4.041	0.4	402029 250671	5./3	DDD11	96
15)	CHI.ODOFTHANE	4 335	64	145882	5 55	DDBM	99
16)	DICHLOROFLUOROMETHANE	4 402	67	145882 742212	5.55	DDBM	100
17)	ACETONITE II.E	4 598	41	257626	5 36	DDBM	99
18)	ACETONITRILE ACROLEIN FREON 123 FREON 123A	4 696	56	257626 116734 815033	5 44	PPRV	100
19)	FREON 123	4 714	83	815033	5 64	PPRV	100
20)	FREON 123A	4.757	117	475455	5.81	PPBV	98
21)	TRICHLOROFLUOROMETHANE	4.922	101	789105	5.60	PPBV	100
22)	TRICHLOROFLUOROMETHANE ISOPROPYL ALCOHOL ACETONE PENTANE IODOMETHANE 1,1-DICHLOROETHYLENE CARBON DISULFIDE ETHANOL BROMOETHENE ACRYLONITRILE METHYLENE CHLORIDE	5.008	45	815033 475455 789105 401918 129044 209310 651862	5.62	PPBV	100
23)	ACETONE	4.806	58	129044	5.64	PPBV	99
24)	PENTANE	5.210	42	209310	5.64	PPBV	100
25)	IODOMETHANE	5.393	142	651862	5.55	PPBV	100
26)	1,1-DICHLOROETHYLENE	5.460	96	204770			
27)	CARBON DISULFIDE	5.828	76	605414	5.56	PPBV	100
28)	ETHANOL	4.433	45	165389 341504 123794	5.43	PPBV	98
29)	BROMOETHENE	4.598	106	341504	5.45	PPBV	99
30)	ACRYLONITRILE	5.185	52	123794	5.71	PPBV	99
31)	METHYLENE CHLORIDE 3-CHLOROPROPENE FREON 113	5.571	84	194110	5.51	PPBV	99
32)	3-CHLOROPROPENE	5.675	1/6	94602	5.33	PPB/	99
33)	FREON 113 TRANS-1,2-DICHLOROETHY TERTIARY BUTYL ALCOHOL METHYL TERTIARY BUTYL TETRAHYDROFURAN HEXANE VINVI. ACETATE	5.797	151	3/4/05	5.3/	DDD74	99 99
251	TRANS-I, Z-DICHLOROEIHI	. 0.433	90 E0	21E000	5.49	DDD11	99 97
35)	METUVI TERTIARY DITTYI	5.534	72	343900 EE2261	5.03	DDD11	99
30)	TETRAL TERTIARI BOTTO	8 232	73	91212	5 20	DDBM	98
38)	HEXANE	7 687	57	300652	5 36	PPRV	100
39)	VINYL ACETATE	6.788	86	35480	4 94	PPBV	99
,	1,1-DICHLOROETHANE	6.629	63	383811		PPBV	99
	METHYL ETHYL KETONE	7.045	72	93452		PPBV	91
,	cis-1,2-DICHLOROETHYLENE		96	227374		PPBV	100
	DIISOPROPYL ETHER	7.700	59	90544		PPBV	99
	ETHYL ACETATE	7.736	61	67378		PPBV	
	METHYL ACRYLATE	7.718	55	376177		PPBV	99
	CHLOROFORM	7.791	83	508420		PPBV	100
47)	2,4-DIMETHYLPENTANE	8.648	57	341579	5.33	PPBV	98
	1,1,1-TRICHLOROETHANE	8.862	97	522398		PPBV	100
49)	CARBON TETRACHLORIDE	9.547	117	579909	5.42	PPBV	99

M5w2144.M Fri Jan 10 09:38:26 2025

SGS

Page: 1

Data Path : C:\msdchem\1\data\ Data File : 5w56001.D 5:39 am Acq On : 9 Jan 2025

Acq On : Youn 2007
Operator : thomash
Sample : ic2144-5
Misc : MS88386,V5W2144,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:25 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units Dev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	318794	5.55 PPBV 100
	BENZENE	9.382		649530	5.45 PPBV 100
53)	CYCLOHEXANE	9.682	84	260380	5.32 PPBV 100
54)	2,3-DIMETHYLPENTANE	9.981	71	260380 131512	5.28 PPBV 98
55)	TRICHLOROETHYLENE	10.636	95	322438 243198 322389 440559	5.24 PPBV 98
56)	1,2-DICHLOROPROPANE	10.349	63	243198	5.19 PPBV 100
57)	DIBROMOMETHANE	10.318	174	322389	5.10 PPBV 99
58)	ETHYL ACRYLATE	10.404	55	440559	5.14 PPBV 99
59)	BROMODICHLOROMETHANE	10.593	83	579609 982090	5.22 PPBV 99
60)	2,2,4-TRIMETHYLPENTANE	10.673		982090	5.43 PPBV 99
61)	1,4-DIOXANE	10.667	88 43	155888 367798	5.21 PPBV # 2
62)	HEPTANE	11.015	43	367798	5.48 PPBV 100
63)	METHYL METHACRYLATE	10.930	69	222562 184975	5.29 PPBV 97
64)	METHYL ISOBUTYL KETONE	11.786	58	184975	5.26 PPBV 99
65)	cis-1,3-DICHLOROPROPENE	11.719	75	412958	5 12 DDRV 99
	TOLUENE	12.949	92 76	470931	5.14 PPBV 100
	1,3-DICHLOROPROPANE	12.998	76	470931 404826 365946 269453	5.29 PPBV # 99
		12.398	75 83	365946	4.83 PPBV 99
	1,1,2-TRICHLOROETHANE	12.600	83	269453	5.22 PPBV 99
	2-HEXANONE	13.358	58 69	262116 392468	5.27 PPBV 99
	ETHYL METHACRYLATE	13.383		392468	5.31 PPBV 100
	TETRACHLOROETHYLENE	14.460		365226 660391	5.55 PPBV 99
	DIBROMOCHLOROMETHANE	13.499	129	660391	5.33 PPBV 100
	1,2-DIBROMOETHANE	13.811	107	518669 520317	5.64 PPBV 100
	OCTANE	14.319	43	520317	5.56 PPBV 99
	1,1,1,2-TETRACHLOROETHANE		T3T	430775	5.49 PPBV 100
	CHLOROBENZENE	15.402		430775 713863 1061200	5.56 PPBV 99
	ETHYLBENZENE	15.952	91	1061200	5.54 PPBV 100
	m,p-XYLENE	16.203	106	851106	10.92 PPBV 98 5.57 PPBV 100 5.48 PPBV 100 5.65 PPBV 100
- /	O-XYLENE	16.895	106	420847	5.57 PPBV 100
	STYRENE	16.748	104	629370	5.48 PPBV 100
	NONANE	17.304	43	559046	5.65 PPBV 100
,	BROMOFORM	16.283	173	666046 741833	5.39 PPBV 100
	1,1,2,2-TETRACHLOROETHANE	16.901	83	/41833	5.66 PPBV 100
	1,2,3-TRICHLOROPROPANE	17.090	75	495808	5.62 PPBV 99
	ISOPROPYLBENZENE	17.806		1216916 587922	5.41 PPBV 100
	BROMOBENZENE	17.904		20/922	5.42 PPBV 100 5.26 PPBV 99
90)	2-CHLOROTOLUENE	18.540 18.632		324472 345102	5.46 PPBV 100
	n-PROPYLBENZENE 4-ETHYLTOLUENE			1065000	5.40 PPBV 100 5.69 PPBV 99
	1,3,5-TRIMETHYLBENZENE	18.877 19.005	105 105	1265802 1036803	5.64 PPBV 100
		19.250	118	525122	5.24 PPBV 100
951	ALPHA-METHYLSTYRENE tert-BUTYLBENZENE	19.605	134	237321	5.48 PPBV 98
	1,2,4-TRIMETHYLBENZENE	19.623		1113528	
	m-DICHLOROBENZENE	19.813	146	817473	5.33 PPBV 100
	BENZYL CHLORIDE	19.807	91	974591	5.18 PPBV 100
90)	D-DICHLORORENZENE	19.917	146	914591 919621	5.78 PPBV 100
100)	p-DICHLOROBENZENE sec-BUTYLBENZENE	20.015	134	819621 294921	5.18 PPBV 100 5.78 PPBV 100 5.70 PPBV 98
101)		20.229	105	1091752	5.51 PPBV # 100
	p-ISOPROPYLTOLUENE	20.259	134	340447	5.60 PPBV 98
	o-DICHLOROBENZENE	20.400	146	768393	5.64 PPBV 100
	n-BUTYLBENZENE	20.400		329180	5.49 PPBV 97
	HEXACHLOROETHANE	21.311	117	564398	5.62 PPBV 99
	HEXACHLOROBUTADIENE	23.367		694231	5.31 PPBV 100
	1,2,4-TRICHLOROBENZENE	23.220	180	675748	5.66 PPBV 99
108)	NAPHTHALENE	22.884		1584395	5.64 PPBV 99
	TVHC as equiv Pentane	5.210		1367858	5.66 PPBV 100

Data Path : C:\msdchem\1\data\ Data File : 5w56001.D Acq On : 9 Jan 2025 5:39 am
Operator : thomash
Sample : ic2144-5
Misc : MS88386,V5W2144,,,,,1

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:25 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025

Response via: Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\
Data File : 5w56001.D
Acq On : 9 Jan 2025 5:39 am

Operator : thomash Sample : ic2144-5

Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

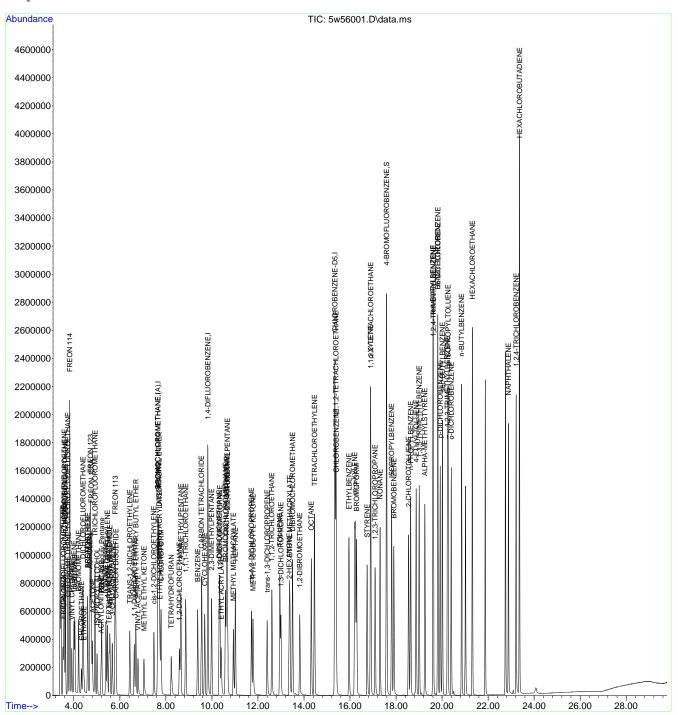
Quant Time: Jan 09 17:09:25 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um

QLast Update : Thu Jan 09 09:18:24 2025

Response via : Initial Calibration



M5w2144.M Fri Jan 10 09:38:26 2025

SGS

### Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\ Data File : 5w56002.D Acq On : 9 Jan 2025 6:20 am
Operator : thomash
Sample : icc2144-10
Misc : MS88386,V5W2144,,,,,1

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:04:53 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc U	nits	Dev(Min)
Tnte	rnal Standards						
11100	BROMOCHLOROMETHANE	7 651	128	422761	10.00	PPRV	0.00
51)	BROMOCHLOROMETHANE 1,4-DIFLUOROBENZENE CHLOROBENZENE-D5	9.822	114	1839130	10.00		
70)	CHLOROBENZENE-D5	15.341	82	963498	10.00		
109)	BROMOCHLOROMETHANE (A)	7.651	128	422761	10.00	PPBV	# 0.00
G	Mandala adam						
	em Monitoring Compounds 4-BROMOFLUOROBENZENE	17.586	95	1166724	10 00	DDRV	0.00
		Range 65					
Tarq	et Compounds						Qvalue
	FREON 152A	3.527	65	298738	10.70	PPBV	
4)	CHLORODIFLUOROMETHANE	3.558	67	150918	10.60	PPBV	100
5)	CHLOROTRIFLUOROETHENE	3.589	116	746749	10.50 10.60	PPBV	100
6)	DICHLORODIFLUOROMETHANE	3.637	85	1479774	10.60	PPBV	100
	PROPYLENE	3.582	41	368919 1498517	10.60	PPBV	100
	1-CHLORO-1,1-DIFLUOROE		65		10.60	PPBV	100
	FREON 114	3.821	85	2005371	10.99 10.39	PPBV	100
10)	CHLOROMETHANE	3.754	52	190178	10.39		
11)	VINYL CHLORIDE	3.754 3.913 4.011 4.047	62	655318 447772	10.30		
12)	1,3-BUTADIENE	4.011	54	447772	10.80		
13)	n-BUTANE	4.047 4.206	43	895125 696439	10.80		
14)	BROMOMETHANE CHLOROETHANE	4.206	94 64	280517	10.50 10.40		
- ,	DICHLOROFLUOROMETHANE		67	1444162	10.40		
	ACETONITRILE	4.598	41	498004	10.00		
,	ACROLEIN	4.690		231198	10.10		
	FREON 123	4.714	83	1571602	10.60		
,	FREON 123A	4.757		923738	11.00		
21)	TRICHLOROFLUOROMETHANE		101	1531008	10.60		
22)	ISOPROPYL ALCOHOL	5.002	45	777527	10.60		
23)	ACETONE	4.800	58	241823	10.30		
24)	PENTANE	5.210 5.393	42	414960	10.90	PPBV	
25)	IODOMETHANE	5.393	142	1325853	11.00	PPBV	100
26)	1,1-DICHLOROETHYLENE	5.461	96	411238	10.70		
27)	CARBON DISULFIDE	5.828	76	1183086	10.60	PPBV	100
	ETHANOL	4.433		318822	10.20		
	BROMOETHENE	4.598	106	680782	10.60		
	ACRYLONITRILE	5.179	52	244700	11.00		
31)	METHYLENE CHLORIDE	5.571	84	379289	10.50		
32)	METHYLENE CHLORIDE 3-CHLOROPROPENE FREON 113	5.675	76	191153	10.50		
	FREON 113 TRANS-1,2-DICHLOROETHY		151 96	757780 432868	10.60		
251	TRANS-I, Z-DICHLOROEIHI	. 0.433	90 E0	432000 600207	10.50 9.90		
35)	TERTIARY BUTYL ALCOHOL METHYL TERTIARY BUTYL	5.522	73	698387 1131934	10.80		
	TETRAHYDROFURAN	8.220	73	188928	10.50		
	HEXANE	7.687	57	188928 620861	10.80	PPRV	100
	VINYL ACETATE	6.788	86	76560	10.40		
	1,1-DICHLOROETHANE	6.629	63	755460	10.70		
	METHYL ETHYL KETONE	7.033	72	197254	10.80		
	cis-1,2-DICHLOROETHYLENE		96	463328	10.70		
	DIISOPROPYL ETHER	7.694	59	187665	10.80		
	ETHYL ACETATE	7.730	61	140285	10.80		
	METHYL ACRYLATE	7.712	55	773419	10.80		
46)	CHLOROFORM	7.791	83	1008146	10.80	PPBV	100
	2,4-DIMETHYLPENTANE	8.648	57	709986	10.80		
	1,1,1-TRICHLOROETHANE	8.862	97	1055519	10.80		
49)	CARBON TETRACHLORIDE	9.553	117	1185503	10.80	PPBV	100

M5w2144.M Fri Jan 10 09:38:29 2025

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Data Path : C:\msdchem\1\data\ Data File : 5w56002.D 6:20 am Acq On : 9 Jan 2025

Acq On : 9 Jan 2025 6:20 am
Operator : thomash
Sample : icc2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:04:53 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units Dev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	642533	
	BENZENE	9.382		1322291	11.00 PPBV 100
,	CYCLOHEXANE	9.682		537413	10.90 PPBV 100
	2,3-DIMETHYLPENTANE	9.988		271223	10.80 PPBV 100
	TRICHLOROETHYLENE	10.636	95	651555	10.50 PPBV 100
	1,2-DICHLOROPROPANE	10.349		495856	10.50 PPBV 100
	DIBROMOMETHANE	10.324		669261	10.50 PPBV 100
	ETHYL ACRYLATE	10.398	55	924473	10.70 PPBV 100
	BROMODICHLOROMETHANE	10.593	83	1176185	10.50 PPBV 100
	2,2,4-TRIMETHYLPENTANE	10.673	57	1970368	10.80 PPBV 100
	1,4-DIOXANE	10.654		316825	10.50 PPBV 100
	HEPTANE	11.015	43	744135	11.00 PPBV 100
	METHYL METHACRYLATE	10.924		462703	10.90 PPBV 100
	METHYL ISOBUTYL KETONE	11.774		383163	10.80 PPBV 100
	cis-1,3-DICHLOROPROPENE	11.719		869909	10.70 PPBV 100
	TOLUENE	12.949		979572	10.60 PPBV 100
	1,3-DICHLOROPROPANE	12.998	76	817699	10.60 PPBV # 100
		12.398	75	779160	10.20 PPBV 100
	1,1,2-TRICHLOROETHANE	12.600		556460	10.70 PPBV 100
	2-HEXANONE	13.346	58	556523	10.60 PPBV 100
,	ETHYL METHACRYLATE	13.383	69	818718	10.50 PPBV 100
	TETRACHLOROETHYLENE	14.460	164	756622	10.90 PPBV 100
	DIBROMOCHLOROMETHANE	13.499		1371699	10.50 PPBV 100
	1,2-DIBROMOETHANE	13.817	107	1068453	11.00 PPBV 100
	OCTANE	14.319		1075669	10.90 PPBV 100
	1,1,1,2-TETRACHLOROETHANE			893580	10.80 PPBV 100
	CHLOROBENZENE	15.402	112	1462615	10.80 PPBV 100
	ETHYLBENZENE	15.952	91	2223019	11.00 PPBV 100
	m,p-XYLENE	16.228	106	1759365	21.40 PPBV 100
	O-XYLENE	16.895		869205	10.90 PPBV 100
	STYRENE	16.748	104	1332935	11.00 PPBV 100
	NONANE	17.304		1138299	10.90 PPBV 100
	BROMOFORM	16.283	173	1394970	10.70 PPBV 100
,	1,1,2,2-TETRACHLOROETHANE	16.901	83	1507279	10.70 PPBV 100
	1,2,3-TRICHLOROPROPANE	17.090	75	987407	10.60 PPBV 100
	ISOPROPYLBENZENE	17.806	105	2518077	10.60 PPBV 100
	BROMOBENZENE	17.904		1190270	10.40 PPBV 100
	2-CHLOROTOLUENE	18.540		670614	10.40 PPBV 100
	n-PROPYLBENZENE	18.632		707147	10.60 PPBV 100
	4-ETHYLTOLUENE	18.877		2559736	10.90 PPBV 100
,	1,3,5-TRIMETHYLBENZENE	19.005	105	2112853	10.90 PPBV 100
	ALPHA-METHYLSTYRENE	19.250	118	1100478	10.40 PPBV 100
	tert-BUTYLBENZENE	19.611	134	502702	11.00 PPBV 100
	1,2,4-TRIMETHYLBENZENE	19.623	105	2298628	11.00 PPBV 100
	m-DICHLOROBENZENE	19.813		1684864	10.40 PPBV 100
	BENZYL CHLORIDE	19.807		2064361	10.40 PPBV 100
,	p-DICHLOROBENZENE	19.917		1632260	10.40 PPBV 100 10.90 PPBV 100
	sec-BUTYLBENZENE	20.015	134	595022	10.90 PPBV 100
		20.235	105	2238862	10.70 PPBV # 100
	1,2,3-TRIMETHYLBENZENE p-ISOPROPYLTOLUENE	20.259		693362	10.70 PPBV # 100 10.80 PPBV 100
	o-DICHLOROBENZENE	20.239	146	1538697	10.80 PPBV 100 10.70 PPBV 100
	n-BUTYLBENZENE	20.400	134	683987	10.70 PPBV 100 10.80 PPBV 100
- /	HEXACHLOROETHANE	21.318	117	1165477	11.00 PPBV 100
	HEXACHLOROBUTADIENE	23.367		1488828	10.80 PPBV 100
	1,2,4-TRICHLOROBENZENE	23.220		1373791	10.80 PPBV 100 10.90 PPBV 100
	NAPHTHALENE	23.220		3232806	10.90 PPBV 100 10.90 PPBV 100
		5.210	TIC	2702539	10.90 PPBV 100
		J.ZIU			10.70 FEBV 100

Data Path : C:\msdchem\1\data\ Data File : 5w56002.D Acq On : 9 Jan 2025 6:20 am
Operator : thomash
Sample : icc2144-10
Misc : MS88386,V5W2144,,,,,1

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:04:53 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025

Response via: Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\ Data File : 5w56002.D 9 Jan 2025 Acq On 6:20 am

thomash Operator : icc2144-10 Sample

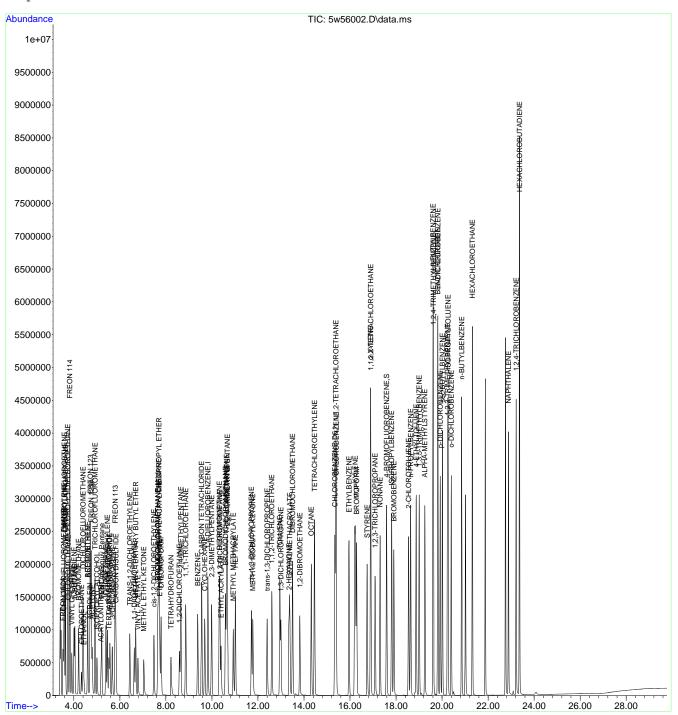
Misc : MS88386, V5W2144,,,,,1 ALS Vial Sample Multiplier: 1

Quant Time: Jan 09 19:04:53 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025

Response via : Initial Calibration



M5w2144.M Fri Jan 10 09:38:29 2025

### Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\ Data File : 5w56003.D 7:03 am Acq On : 9 Jan 2025 Operator

: thomash : ic2144-20 Sample

Misc : MS88386,V5W2144,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:42 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025 Response via : Initial Calibration

Respo	nise via · illicial calibra						
	Compound	R.T.	QIon	Response	Conc U	nits I	Dev(Min)
Inte	rnal Standards						
1)	BROMOCHLOROMETHANE	7.657	128	434526	10.00	PPBV	0.00
51)	1.4-DIFLUOROBENZENE	9.822	114	1816899	10.00	PPBV	0.00
70)	CHLOROBENZENE-D5	15.341	82	1045556	10.00	PPBV	0.00
109)	BROMOCHLOROMETHANE 1,4-DIFLUOROBENZENE CHLOROBENZENE-D5 BROMOCHLOROMETHANE (A)	7.657	128	434526	10.00	PPBV	# 0.00
Syst 85)	em Monitoring Compounds 4-BROMOFLHOROBENZENE	17 586	95	1153941	9 11	PPRV	0.00
Sp	4-BROMOFLUOROBENZENE iked Amount 10.000	Range 65	- 128	Recove	ery =	91.1	L0%
Taro	et Compounds						Qvalue
	FREON 152A	3.527	65	621419 313655 1572434 2977330 752019 2895337 3809279 363893 1243018 850473 1693973 1343420 542052 2745627 954367 447716 3012225 1780666 2946235 1528103 460132 818760 2703927 821443 2338771 593357 1335979 496198 753199	21.65	PPBV	100
		3.558	67	313655	21.43	PPBV	98
5)	CHLORODIFLUOROMETHANE CHLOROTRIFLUOROETHENE	3.588	116	1572434	21.51	PPBV	99
6)	DICHLORODIFLUOROMETHANE	3.637	85	2977330	20.75	PPBV	100
7)	PROPYLENE	3.582	41	752019	21.62	PPBV	99
8)	1-CHIORO-1 1-DIFIJIOROE	3 735	65	2895337	19.93	PPBV	99
9)	FREON 114 CHLOROMETHANE VINYL CHLORIDE 1,3-BUTADIENE n-BUTANE BROMOMETHANE CHLOROETHANE	3.821	85	3809279	20.32	PPBV	98
10)	CHLOROMETHANE	3.754	52	363893	19.34	PPBV	99
11)	VINYL CHLORIDE	3.913	62	1243018	19.01	PPBV	99
12)	1,3-BUTADIENE	4.011	54	850473	19.96	PPBV	100
13)	n-BUTANE	4.047	43	1693973	19.89	PPBV	98
14)	BROMOMETHANE	4.206	94	1343420	19.71	PPBV	100
15 )	CHLOROETHANE	4.335	64	542052	19.55	PPBV	99
16)	DICHLOROFLUOROMETHANE ACETONITRILE ACROLEIN FREON 123 FREON 123A	4.335 4.402 4.598	67	2745627	19.61	PPBV	100
17)	ACETONITRILE	4.598	41	954367	18.83	PPBV	100
18)	ACROLEIN	4.690	56	447716	19.78	PPBV	100
19)	FREON 123	4.714	83	3012225	19.77	PPBV	100
20)	FREON 123A	4.757	117	1780666	20.63	PPBV	98
21)	TRICHLOROFLUOROMETHANE ISOPROPYL ALCOHOL ACETONE PENTANE IODOMETHANE	4.922	101	2946235	19.85	PPBV	99
22)	ISOPROPYL ALCOHOL	5.002	45	1528103	20.27	PPBV	99
23)	ACETONE	4.800	58	460132	19.07	PPBV	98
24)	PENTANE	5.210	42	818760	20.92	PPBV	99
25)	IODOMETHANE	5.399	142	2703927	21.83	PPBV	99
26)	1,1-DICHLOROETHYLENE	5.460	96	821443	20.79	PPBV	100
27)	CARBON DISULFIDE	5.834	76	2338771	20.39	PPBV	99
28)	ETHANOL	4.433	45	593357	18.47	PPBV	100
29)	BROMOETHENE	4.598	106	1335979	20.24	PPBV	100
30)	1,1-DICHLOROETHYLENE CARBON DISULFIDE ETHANOL BROMOETHENE ACRYLONITRILE	5.179	52	496198	21.70	PPBV	100
31)	METHYLENE CHLORIDE	5.571	84	753199	20.29	PPBV	99
32)	3-CHLOROPROPENE	5.675	76	384693	20.56	PPBV	99
33)	ACRYLONITRILE METHYLENE CHLORIDE 3-CHLOROPROPENE FREON 113 TRANS-1,2-DICHLOROETHY TERTIARY BUTYL ALCOHOL	5.797	151	496198 753199 384693 1553085 878068 1415439 2319918 388102 1333260	21.14	PPBV	99
34)	TRANS-1,2-DICHLOROETHY	. 6.433	96	878068	20.73	PPBV	99
35)	TRANS-1,2-DICHLOROETHY TERTIARY BUTYL ALCOHOL METHYL TERTIARY BUTYL TETRAHYDROFURAN HEXANE	5.515	59	1415439	19.52	PPBV	100
36)	METHYL TERTIARY BUTYL	. 6.684	73	2319918	21.54	PPBV	99
37)	TETRAHYDROFURAN	8.213	72	388102	20.99	PPBV	99
38)	HEXANE	7.687	57	1333260	22.56	PPBV	98
39)	VINYL ACETATE	6.788	86	167697	22.16	PPBV	95
,	1,1-DICHLOROETHANE	6.629	63	1531299	21.10		99
	METHYL ETHYL KETONE	7.033	72	404027	21.52		99
	cis-1,2-DICHLOROETHYLENE		96	961041	21.59		100
	DIISOPROPYL ETHER	7.693	59	401262	22.47		97
	ETHYL ACETATE	7.724	61	285335	21.37		
	METHYL ACRYLATE	7.712	55	1627351	22.11		99
	CHLOROFORM	7.797	83	2001694	20.86		99
	2,4-DIMETHYLPENTANE	8.648	57	1455295	21.54		100
,	1,1,1-TRICHLOROETHANE	8.862	97	2177580	21.68		100
,	CARBON TETRACHLORIDE	9.553	117	2458342	21.79		99
10 /		7.555			,		, , ,

M5w2144.M Fri Jan 10 09:38:32 2025

Page: 1

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Data Path : C:\msdchem\1\data\ Data File : 5w56003.D : 9 Jan 2025 7:03 am Acq On Operator

: thomash : ic2144-20 Sample

Misc : MS88386,V5W2144,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:42 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units D	ev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	1328594	21.93 PPBV	100
	BENZENE	9.382	78	2718148	22.89 PPBV	100
53)	CYCLOHEXANE	9.688	84	1092564	22.43 PPBV	100
54)	2,3-DIMETHYLPENTANE	9.988	71	555668	22.39 PPBV	100
55)	TRICHLOROETHYLENE	10.642	95	1372842	22.39 PPBV	100
56)	1,2-DICHLOROPROPANE	10.348	63	1012028	21.69 PPBV	99
57)	DIBROMOMETHANE	10.324	174	1430206	22.71 PPBV	99
58)	ETHYL ACRYLATE	10.397	55	1893212	22.18 PPBV	100
	BROMODICHLOROMETHANE	10.593	83	2414775	21.82 PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	10.673	57	3953616	21.93 PPBV	100
61)	1,4-DIOXANE	10.648	88	653956	21.94 PPBV :	# 30
,	HEPTANE	11.021	43	1508202	22.57 PPBV	99
63)	METHYL METHACRYLATE	10.924	69	949209 793428	22.63 PPBV	97
	METHYL ISOBUTYL KETONE	11.774	58	793428	22.64 PPBV	99
	cis-1,3-DICHLOROPROPENE	11.719	75	1822087 2050052	22.68 PPBV	98
	TOLUENE	12.955	92		22.45 PPBV	
	1,3-DICHLOROPROPANE	12.997	76	1653441	21.69 PPBV :	
		12.398	75	1658062	21.97 PPBV	100
	1,1,2-TRICHLOROETHANE	12.606	83	1145226	22.29 PPBV	99
	2-HEXANONE	13.340	58	1168719	20.51 PPBV 19.99 PPBV	99
	ETHYL METHACRYLATE	13.377	69			99
	TETRACHLOROETHYLENE	14.460	164	1596803	21.20 PPBV	99
	DIBROMOCHLOROMETHANE	13.505	129	2871234	20.25 PPBV	99
	1,2-DIBROMOETHANE	13.817	107	2215748	21.02 PPBV	100
	OCTANE	14.325	43	2254444	21.05 PPBV	99
	1,1,1,2-TETRACHLOROETHANE		131	1954709 3090812	21.77 PPBV	99
	CHLOROBENZENE	15.402	112	3090812	21.03 PPBV	99
	ETHYLBENZENE	15.952	91	4614221 3679265	21.04 PPBV	100
	m,p-XYLENE	16.228	106	3679265	41.24 PPBV	97
	O-XYLENE	16.894		1859671	21.49 PPBV	98
	STYRENE	16.748	104	2810549 2339892	21.37 PPBV	100
	NONANE	17.310	43	2339892	20.65 PPBV	100
	BROMOFORM	16.283	173	2941281 3169455	20.79 PPBV	100
	1,1,2,2-TETRACHLOROETHANE		83			99
	1,2,3-TRICHLOROPROPANE		75		19.65 PPBV	99
	ISOPROPYLBENZENE	17.812	105	5203481	20.19 PPBV	99
	BROMOBENZENE	17.904	77	2438548 1410347	19.63 PPBV	99
	2-CHLOROTOLUENE	18.546	126			100
	n-PROPYLBENZENE	18.632		1458040	20.14 PPBV	99
	4-ETHYLTOLUENE	18.877		5289712	20.76 PPBV	98
	1,3,5-TRIMETHYLBENZENE	19.005 19.256	105 118	4364322 2316923	20.75 PPBV 20.18 PPBV	99 100
	ALPHA-METHYLSTYRENE tert-BUTYLBENZENE	19.256		1112078		95
,		19.623		4901595	21.62 PPBV	99
	m-DICHLOROBENZENE	19.819		3594897	20.45 PPBV	99
001	DEMOVI CULODIDE	19.813	91		20.45 PPBV 20.69 PPBV	99
907	p-DICHLOROBENZENE sec-BUTYLBENZENE				20.09 PPBV 20.79 PPBV	100
1001	sec-BUTYLBENZENE	20.014	134	1232823	20.79 PPBV 20.81 PPBV	94
	1,2,3-TRIMETHYLBENZENE	20.235				
	p-ISOPROPYLTOLUENE	20.259	134	1469746	21.10 PPBV	# 99 96
	o-DICHLOROBENZENE	20.400	146	3159672	20.25 PPBV	99
	n-BUTYLBENZENE	20.853	134	1460466	21.25 PPBV	95
	HEXACHLOROETHANE	21.318	117	2569824	22.35 PPBV	99
	HEXACHLOROBUTADIENE	23.367	225	3473189	23.22 PPBV	99
	1,2,4-TRICHLOROBENZENE	23.220	180	2919332	21.34 PPBV	99
	NAPHTHALENE	22.884	128	6572790	20.42 PPBV	98
	TVHC as equiv Pentane	5.210	TIC	5392363	21.16 PPBV	100
	<u> </u>					

Cal Report:

5W56003.D

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\ Data File : 5w56003.D Acq On : 9 Jan 2025 7:03 am
Operator : thomash
Sample : ic2144-20
Misc : MS88386,V5W2144,,,,,1

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:42 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025

Response via: Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\ Data File: 5w56003.D 9 Jan 2025 7:03 am Acq On

thomash Operator : ic2144-20 Sample

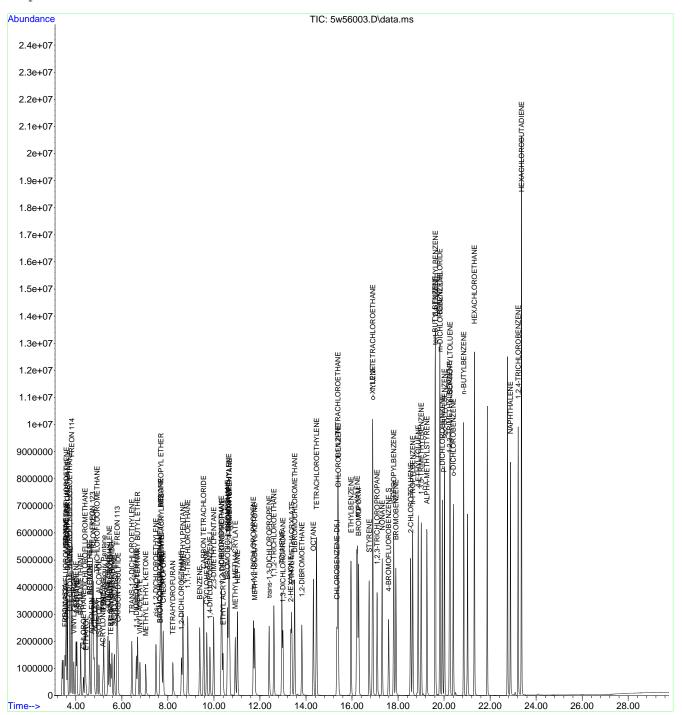
Misc : MS88386, V5W2144,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:42 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025

Response via : Initial Calibration



M5w2144.M Fri Jan 10 09:38:32 2025

SGS

Data Path : C:\msdchem\1\data\
Data File : 5w56004.D
Acq On : 9 Jan 2025 7:49 am
Operator : thomash

Operator : thomash Sample : ic2144-40

Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:52 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025

Response via : Initial Calibration

kesponse via · initial calibration								
	Compound	R.T.	QIon	Response	Conc U	nits D	ev(Min)	
Inte	rnal Standards							
1)	BROMOCHLOROMETHANE	7.663	128	463457	10.00	PPBV	0.01	
51)	BROMOCHLOROMETHANE 1,4-DIFLUOROBENZENE CHLOROBENZENE-D5 BROMOCHLOROMETHANE (A)	9.828	114	1816263	10.00	PPBV	0.00	
70)	CHLOROBENZENE-D5	15.340	82	1233579	10.00	PPBV	0.00	
109)	BROMOCHLOROMETHANE (A)	7.663	128	463457	10.00	PPBV	# 0.01	
Syst	em Monitoring Compounds							
85)	4-BROMOFLUOROBENZENE	17.592	95	1182267	7.91	PPBV	0.00	
Sp	em Monitoring Compounds 4-BROMOFLUOROBENZENE iked Amount 10.000	Range 65	- 128	Recove	ery =	79.1	.0%	
Targ	et Compounds FREON 152A CHLORODIFLUOROMETHANE CHLOROTRIFLUOROMETHANE CHLOROTRIFLUOROMETHANE DICHLORODIFLUOROMETHANE PROPYLENE 1-CHLORO-1,1-DIFLUOROE FREON 114 CHLOROMETHANE VINYL CHLORIDE 1,3-BUTADIENE n-BUTANE BROMOMETHANE CHLOROFLUOROMETHANE ACETONITRILE ACROLEIN FREON 123 FREON 123A TRICHLOROFLUOROMETHANE ISOPROPYL ALCOHOL ACETONE PENTANE 10DOMETHANE 1,1-DICHLOROETHYLENE CARBON DISULFIDE ETHANOL BROMOETHENE ACRYLONITRILE METHYLENE CHLORIDE 3-CHLOROPROPENE FREON 113 TRANS-1,2-DICHLOROETHY TERTIARY BUTYL ALCOHOL METHYL TERTIARY BUTYL TETTRAHYDROFURAN HEXANE VINYL ACETATE 1,1-DICHLOROETHANE METHYL ETHYL KETONE						Qvalue	
3)	FREON 152A	3.527	65	1313525	42.92	PPBV	100	
4)	CHLORODIFLUOROMETHANE	3.564	67	669206	42.88	PPBV	99	
5)	CHLOROTRIFLUOROETHENE	3.588	116	3303540	42.37	PPBV	99	
6)	DICHLORODIFLUOROMETHANE	3.637	85	5924521	38.71	PPBV	98	
7)	PROPYLENE	3.582	41	1545166	41.64	PPBV	100	
8)	1-CHLORO-1,1-DIFLUOROE	. 3.741	65	5434243	35.06	PPBV	99	
9)	FREON 114	3.827	85	6910409	34.56	PPBV	95	
10)	CHLOROMETHANE	3.754	52	685907	34.18	PPBV	97	
11)	VINYL CHLORIDE	3.913	62	2325794	33.35	PPBV	99	
12)	1,3-BUTADIENE	4.010	54	1615444	35.54	PPBV	99	
13)	n-BUTANE	4.047	43	3126491	34.41	PPBV	97	
14)	BROMOMETHANE	4.212	94	2579516	35.48	PPBV	100	
15)	CHLOROETHANE	4.335	64	1043925	35.30	PPBV	99	
16)	DICHLOROFLUOROMETHANE	4.402	67	5148208	34.47	PPBV	99	
17)	ACETONITRILE	4.604	41	1797325	33.25	PPBV	100	
18)	ACROLEIN	4.696	56	856085	35.47	PPBV	99	
19)	FREON 123	4.720	83	5649979	34.76	PPBV	99	
20)	FREON 123A	4.763	117	3396789	36.90	PPBV	95	
21)	TRICHLOROFLUOROMETHANE	4.922	T0T	5347861	33.77	PPBV	99	
22)	ISOPROPYL ALCOHOL	5.008	45	2814813	35.00	PPBV	99	
23)	ACETONE	4.800	58	854983	33.22	PPBV	98	
24)	PENTANE	5.216	42	1680798	40.27	PPBV	99	
25)	TODOMETHANE	5.399	142	566/109	42.89	PPD11	99	
20)	I,I-DICHLOROETHYLENE	5.400	96	1080480	40.03	PPD11	99	
27)	CARBON DISULFIDE	5.834	/ O	4/19896	38.58	PPD74	100	
20)	E I HANOL	4.439	106	1045319	30.51	PPDV	100	
20)	A CDVI ONITEDII E	E 10E	100	1015671	30.04 41 6E	PPDV	100	
21 \	METHYLENE CHIODIDE	5.103	0.4	1612055	30 73	DDDM	100	
37/	3_CUI ODODDODENE	5.577	76	796093	30.23	DDDM	99	
33)	FREON 113	5 803	151	3337642	42 59	DDBM	98	
34)	TRANG-1 2-DICHLOROFTHY	6 433	96	1847874	40 91	DDBM	100	
35)	TERTIARY BUTYL ALCOHOL	5 522	59	2802992	36 24	DDBM	99	
36)	METHYL TERTIARY RUTYL	6 684	73	4784081	41 64	DDRV	99	
37)	TETRAHYDROFIIRAN	8 213	72	796260	40 37	PPRV	99	
38)	HEXANE	7 693	57	2975650	47 22	PPRV	94	
39)	VINVI. ACETATE	6 794	86	351807	43 59	DDRV	96	
40)	1,1-DICHLOROETHANE	6.635	63	3126939	40.40	DDRV	99	
41)	METHYL ETHYL KETONE	7.033	72	829209	41.41	PPRV	99	
42)	cis-1,2-DICHLOROETHYLENE	7.485	96	2014871	42.45	PPRV	99	
,	DIISOPROPYL ETHER	7.699	59	899567	47.22			
	ETHYL ACETATE	7.730	61	602807	42.33			
,	METHYL ACRYLATE	7.718	55	3489782	44.45		98	
	CHLOROFORM	7.803	83	4050601	39.58		99	
	2,4-DIMETHYLPENTANE	8.654	57	3041808	42.21		99	
	1,1,1-TRICHLOROETHANE	8.868	97	4577105	42.72		99	
	CARBON TETRACHLORIDE	9.553	117	5195370	43.17		99	
- /								

M5w2144.M Fri Jan 10 09:38:35 2025

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Data Path : C:\msdchem\1\data\ Data File : 5w56004.D 7:49 am Acq On : 9 uan 2011
Operator : thomash
Sample : ic2144-40
Misc : MS88386,V5W2144,,,,,1 Acq On : 9 Jan 2025

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:52 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025 Response via : Initial Calibration

	Compound			Response	Conc Units	Dev(Min)
	1,2-DICHLOROETHANE	8.593	62		43.08 PPBV	 99
	BENZENE	9.388		5575931	46.96 PPBV	100
	CYCLOHEXANE	9.688	84	2227364	45.74 PPBV	100
	2,3-DIMETHYLPENTANE	9.994		1178604	46.96 PPBV 45.74 PPBV 47.52 PPBV	97
55)	TRICHLOROETHVI.ENE			3029245	47.52 PPBV 49.43 PPBV 46.09 PPBV 51.09 PPBV 45.31 PPBV	99
56)	1,2-DICHLOROPROPANE	10.648 10.348	63	2149668	46.09 PPBV	98
57)	DIBROMOMETHANE	10.330	174	3216239	51.09 PPBV	97
	ETHYL ACRYLATE	10.397	55	3866736	45.31 PPBV	100
	DD OMOD T CHIL OD OMEDITAND	10 500	0.0	5107482	46.16 PPBV	100
	2,2,4-TRIMETHYLPENTANE	10.599	57	8140990	45.18 PPBV	
	1,4-DIOXANE	10.648	88			
	HEPTANE	11.021	43	3121426	46 72 PPRV	99
	METHYL METHACRYLATE	10.930	69	1918384	45.76 PPBV 46.98 PPBV 48.30 PPBV 47.50 PPBV 43.99 PPBV	94
	METHYL ISOBUTYL KETONE	11.774		1646344	46.98 PPBV	98
	cis-1,3-DICHLOROPROPENE	11.725	75	3878154	48.30 PPBV	82
	TOLUENE	12.955	92	4335330	47.50 PPBV	97
	1,3-DICHLOROPROPANE	13.004		3351482	43.99 PPBV	# 99
	trans-1,3-DICHLOROPROPENE			3512148	46.55 PPBV	99
	1,1,2-TRICHLOROETHANE	12.606	83	2416703	47.05 PPBV	
	2-HEXANONE	13.346	58		36 99 PPRV	
	ETHYL METHACRYLATE	13.383	69	3557297	36.99 PPBV 35.63 PPBV	99
	TETRACHLOROETHYLENE	14.460	164	3513468	39 53 DDBV	99
	DIBROMOCHLOROMETHANE	13.505	129	6133323	39.53 PPBV 36.67 PPBV	99
	1,2-DIBROMOETHANE	13.823	107	4715997	37.92 PPBV	100
	OCTANE	14.325	43		37.92 FFBV	
	1,1,1,2-TETRACHLOROETHANE			4417529	41.70 PPBV	
	CHLOROBENZENE	15.408		6603313	38.60 PPBV	
	ETHYLBENZENE	15.958	91		37.00 PPBV	
	m,p-XYLENE	16.240	106	7070207	75.80 PPBV	
	O-XYLENE	16.901	106		40.59 PPBV	
	STYRENE	16.748	104	50703/3	38.48 PPBV	
	NONANE	17.310	43		36.69 PPBV	98
	BROMOFORM	16.289	173	6/22057	30.03 PFBV	99
	1,1,2,2-TETRACHLOROETHANE		83	6916037	30.33 FFBV	98
	1,2,3-TRICHLOROPROPANE		75	4119611	34 54 DDBV	98
	ISOPROPYLBENZENE	17.818		10798380	36.69 PPBV 38.53 PPBV 38.50 PPBV 34.54 PPBV 35.50 PPBV 35.28 PPBV	96
	BROMOBENZENE	17.010	77	5160160	35.30 PPBV	99
901	2-CHLOROTOLUENE	18.546		3020463	35.20 PPBV	100
91 )	n-PROPYLBENZENE	18.638		3133720	35.28 PPBV 36.70 PPBV 36.69 PPBV	99
	4-ETHYLTOLUENE	18.877		10770860	35.82 PPBV	
,	1,3,5-TRIMETHYLBENZENE	19.011	105		36.54 PPBV	
	AT.DHA_METHVT.GTVDENE	19.256				
951	ALPHA-METHYLSTYRENE tert-BUTYLBENZENE	10 (10	1 2 4	2514308	36.98 PPBV 42.97 PPBV	# 83
	1,2,4-TRIMETHYLBENZENE	10 620	105	10050533	42.97 PPBV 37.60 PPBV 36.91 PPBV	<sub>π</sub> 96
,	m-DICHLOROBENZENE	10 025	1/16	7654903	37.00 PPBV	97
	BENZYL CHLORIDE	19.823	01	0267441	36 96 PDDM	97
	p-DICHLOROBENZENE	19.929	71	7006000	36.86 PPBV 37.01 PPBV 38.31 PPBV	98
	sec-BUTYLBENZENE	20.021		7677702	38.31 PPBV	# 76
		20.021	105	9874415	36.86 PPBV	# 95
	1,2,3-TRIMETHYLBENZENE p-ISOPROPYLTOLUENE	20.241	134	3260667	39.67 PPBV	
	o-DICHLOROBENZENE	20.205	146	6669438	36.22 PPBV	
	n-BUTYLBENZENE	20.406	134	3237040	39.92 PPBV	
	HEXACHLOROETHANE	21.317	117	5546503	40.89 PPBV	
	HEXACHLOROETHANE HEXACHLOROBUTADIENE		225	7589685	40.89 PPBV 43.00 PPBV	
		23.367				
	1,2,4-TRICHLOROBENZENE NAPHTHALENE	23.226 22.890	180	6578217 12693881	40.77 PPBV 33.43 PPBV	
	TVHC as equiv Pentane	5.210		10891547	40.07 PPBV	
	TVHC as equiv Pencane	J.ZIU	110	T009T0#/	-0.0/ PPBV	

Data Path : C:\msdchem\1\data\ Data File : 5w56004.D Acq On : 9 Jan 2025 7:49 am
Operator : thomash
Sample : ic2144-40
Misc : MS88386,V5W2144,,,,,1

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:52 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025

Response via: Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\
Data File : 5w56004.D
Acq On : 9 Jan 2025 7:49 am
Operator : thomash

Sample : ic2144-40

Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

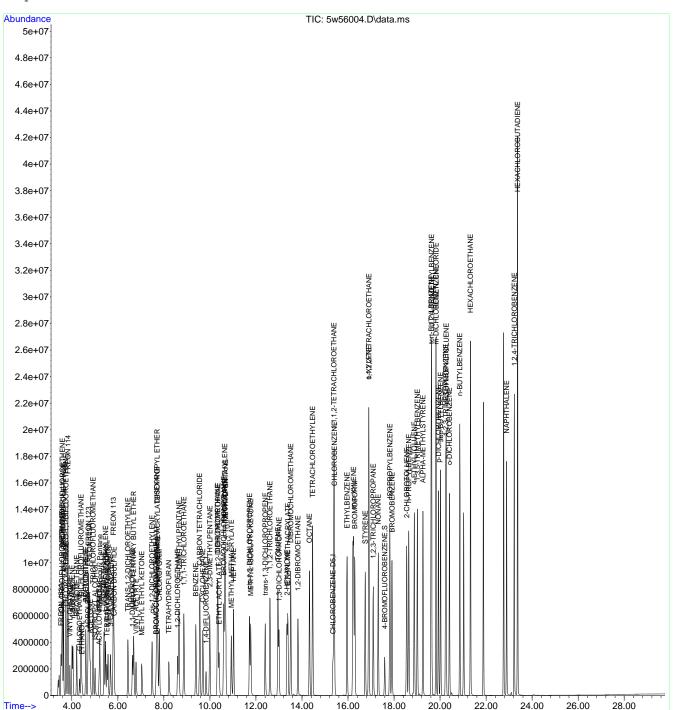
Quant Time: Jan 09 17:09:52 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um

QLast Update : Thu Jan 09 09:18:24 2025

Response via : Initial Calibration



M5w2144.M Fri Jan 10 09:38:35 2025

SGS

#### Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\ Data File : 5w56005.D Acq On : 9 uan 2011
Operator : thomash
Sample : ic2144-50
Misc : MS88386,V5W2144,,,,,1 8:36 am : 9 Jan 2025

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:10:05 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025 Response via : Initial Calibration

псьро	inde via initial calibra	.01011					
	Compound	R.T.	QIon	Response	Conc U	nits De	ev(Min)
Tnte	rnal Standards						
1)	BROMOCHLOROMETHANE  1,4-DIFLUOROBENZENE CHLOROBENZENE-D5 BROMOCHLOROMETHANE (A)	7.663	128	497435	10.00	PPRV	0.01
51)	1.4-DIFLUOROBENZENE	9.829	114	1886774	10.00	PPBV	0.00
70)	CHLOROBENZENE-D5	15.347	82	1356790	10.00	PPBV	0.00
109)	BROMOCHLOROMETHANE (A)	7 663	128	497435	10.00	PPBV	
100,	BRONGCHEDINANE (A)	7.003	120	157155	10.00	IIDV	т 0.01
Syst	em Monitoring Compounds						
85)	4-BROMOFLUOROBENZENE	17.592	95	1243016	7.57	PPBV	0.00
Sp	em Monitoring Compounds 4-BROMOFLUOROBENZENE iked Amount 10.000	Range 65	- 128	Recove	ry =	75.7	0%
_	et Compounds FREON 152A CHLORODIFLUOROMETHANE CHLOROTRIFLUOROMETHANE DICHLORODIFLUOROMETHANE PROPYLENE 1-CHLORO-1,1-DIFLUOROE FREON 114 CHLOROMETHANE VINYL CHLORIDE 1,3-BUTADIENE n-BUTANE BROMOMETHANE DICHLOROFLUOROMETHANE ACETONITRILE ACROLEIN FREON 123 FREON 123A TRICHLOROFLUOROMETHANE ISOPROPYL ALCOHOL ACETONE PENTANE IODOMETHANE 1,1-DICHLOROETHYLENE CARBON DISULFIDE ETHANOL BROMOETHENE ACRYLONITRILE METHYLENE CHLORIDE 3-CHLOROPROPENE FREON 113 TRANS-1,2-DICHLOROETHY TERTIARY BUTYL ALCOHOL METHYL TERTIARY BUTYL TETRAHYDROFURAN HEXANE VINYL ACETATE 1,1-DICHLOROETHANE METHYL ETHYL KETONE				_		
Targ	et Compounds			1710661		(	Qvalue
3)	FREON 152A	3.527	65	1749664	53.26	PPBV	100
4)	CHLORODIFLUOROMETHANE	3.558	67	897522	53.58	PPBV	100
5)	CHLOROTRIFLUOROETHENE	3.589	116	4418612	52.80	PPBV	99
6)	DICHLORODIFLUOROMETHANE	3.638	85	7524551	45.81	PPBV	97
7)	PROPYLENE	3.582	41	2025072	50.85	PPBV	99
8)	1-CHLORO-1,1-DIFLUOROE	. 3.735	65	6709737	40.34	PPBV	98
9)	FREON 114	3.821	85	8385821	39.07	PPBV	93 98
10)	CHLOROMETHANE	3.754	52	867377	40.28	PPBV	98
11)	VINYL CHLORIDE	3.913	62	2901207	38.75	PPBV	99
12)	1,3-BUTADIENE	4.011	54	2028131	41.57	PPBV	98
13)	n-BUTANE	4.047	43	3901013	40.00	PPBV	97 100
14)	BROMOMETHANE	4.213	94	3234642	41.45	PPBV	100
15)	CHLOROETHANE	4.335	64	1310686	41.30	PPBV	99 99 100
16)	DICHLOROFLUOROMETHANE	4.402	67	6364290	39.70	PPBV	99
17)	ACETONITRILE	4.604	41	2216393	38.20	PPBV	100
18)	ACROLEIN	4.696	56	1070913	41.34	PPBV	99
19)	FREON 123	4.714	83	6969297	39.95	PPBV	98
20)	FREON 123A	4.757	117	4245728	42.97	PPBV	93 98
21)	TRICHLOROFLUOROMETHANE	4.922	101	7105408	41.81	PPBV	98
22)	ISOPROPYL ALCOHOL	5.008	45	3532732	40.93	PPBV	99
23)	ACETONE	4.800	58	1064429	38.53	PPBV	96
24)	PENTANE	5.210	42	2186622	48.81	PPBV	99
25)	IODOMETHANE	5.399	142	7499312	52.88	PPBV	98
26)	1,1-DICHLOROETHYLENE	5.461	96	2210434	48.88	PPBV	98
27)	CARBON DISULFIDE	5.834	76	6100461	46.45	PPBV	99
28)	ETHANOL	4.439	45	1302028	35.40	PPBV	99 99 100
29)	BROMOETHENE	4.598	T06	3274098	43.33	PPBV	99
30)	ACRYLONITRILE	5.185	52	1335961	51.04	PPBV	100
31)	METHYLENE CHLORIDE	5.577	84	1953852	45.97	PPBV	99 99
32)	3-CHLOROPROPENE	5.675	76	1016926	47.47	PPBV	99
33)	FREUN 113	5.803	121	4499942	53.50	PPD77	97
34)	TRANS-1, Z-DICHLOROETHY	. 6.433	96	245/622	50.69	PPBV	99
35)	TERTIARY BUTYL ALCOHOL	5.522	59	3477527	41.90	PPBV	99
36)	METHYL TERTIARY BUTYL	. 6.684	73	6261123	50.78	PPBV	99
37)	TETRAHYDROFURAN	8.214	72	1048188	49.51	PPBV	98
38)	HEXANE	7.694	5/	3906208	5/./5	PPD11	92
39)	VINYL ACETATE	6.794	86	462885	53.44	PPD77	# 93
40)	1,1-DICHLOROETHANE	6.635	63	4088054	49.21	PPD77	99
41)	METHYL ETHYL KETONE	7.033	72	1087644	50.61	PPBV	97
42)	CIS-I, Z-DICHLOROETHYLENE	7.480	96	20/21U0	52.45	PPBV	98
	DIISOPROPYL ETHER	7.700	59	1186878		PPBV :	
	ETHYL ACETATE	7.730	61	784784		PPBV :	
	METHYL ACRYLATE	7.718	55	4530336	53.76		98
- ,	CHLOROFORM	7.804	83	5279616	48.07		100
	2,4-DIMETHYLPENTANE	8.654	57	4017217	51.93		99
	1,1,1-TRICHLOROETHANE	8.868	97	6061383	52.71		99
49)	CARBON TETRACHLORIDE	9.553	117	6881483	53.28	LLR/	99

M5w2144.M Fri Jan 10 09:38:38 2025

Page: 1

Data Path : C:\msdchem\1\data\ Data File : 5w56005.D : 9 Jan 2025 8:36 am Acq On 

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:10:05 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025

Response via : Initial Calibration

1,2-DICHLOROETHANE		Compound		QIon	Response	Conc Units Dev(	Min)
S4   2,3-DIMETHYLPENTANE	50)	1,2-DICHLOROETHANE	8.593	62	3699368	53.34 PPBV	99
S4   2,3-DIMETHYLPENTANE	52)	BENZENE	9.388	78	7301089	59.20 PPBV	
S4   2,3-DIMETHYLPENTANE	53)	CYCLOHEXANE	9.688	84	2934434	58.01 PPBV	99
57) DIBROMOMETHANE 10.404 55 5009422 56.51 PPBV 99 59) BROMODICHLOROMETHANE 10.679 57 10419434 55.66 PPBV 98 61) 1,4-DIOXANE 10.679 57 10419434 55.66 PPBV 98 61) 1,4-DIOXANE 10.648 88 1832277 59.18 PPBV 98 62) HEPTANE 11.028 43 4076591 58.73 PPBV 98 63) METHYL METHACRYLATE 10.930 69 2529851 58.08 PPBV 98 64) METHYL ISOBUTYL KETONE 11.774 58 2175500 59.76 PPBV 98 65) CIS-1,3-DICHLOROPROPENE 11.775 75 5144419 61.67 PPBV 82 66) TOLUENE 12.955 92 5758163 60.73 PPBV 95 67) 1,3-DICHLOROPROPENE 12.955 92 5758163 60.73 PPBV 95 68) trans-1,3-DICHLOROPROPENE 12.955 92 5758163 60.73 PPBV 99 68) trans-1,3-DICHLOROPROPENE 13.044 76 4399651 55.59 PPBV 99 69) 1,1,2-TRICHLOROPROPENE 13.346 58 3228192 44.48 PPBV 99 71) 2-HEXANONE 13.346 58 3228192 44.48 PPBV 99 71) 2-HEXANONE 13.346 58 3288192 44.48 PPBV 94 72) ETHYL METHACRYLATE 13.383 69 4663618 42.47 PPBV 99 73) TETRACHLOROETHANE 13.383 69 4663618 42.47 PPBV 98 74) DIBROMOCHLOROMETHANE 13.823 107 628553 45.95 PPBV 100 76) OCTANE 13.3823 107 628553 45.95 PPBV 99 78) CHLOROBENZENE 15.408 112 8787014 46.08 PPBV 99 78) CHLOROBENZENE 16.907 106 5460474 48.63 PPBV 99 78) CHLOROBENZENE 16.907 106 5460474 48.63 PPBV 99 78) CHLOROBENZENE 16.907 106 5460474 48.63 PPBV 99 78) ETHYLBENZENE 16.907 106 5460474 48.63 PPBV 99 78) CHLOROBENZENE 16.907 106 5460474 48.63 PPBV 99 78) 10 -XYLENE 16.907 106 5460474 48.63 PPBV 99 78) 11 -2-TETRACHLOROETHANE 16.907 106 5460474 48.63 PPBV 99 78) 12 -4-TETHYLDENZENE 16.907 106 5460474 48.63 PPBV 99 78) 11 -3-TETHYLDENZENE 16.907 106 5460474 48.63 PPBV 99 78) 11 -3-TETHYLDENZENE 16.907 106 5460474 48.63 PPBV 99 78) 11 -3-TETHYLDENZENE 16.907 107 107 17522682 42.58 PPBV 90 79 11 -1-TETHYLDENZENE 16.907 107 107 107 107 107 107 107 107 107 1	54)	2,3-DIMETHYLPENTANE	9.994	71	1566174	60.78 PPBV	96
57) DIBROMOMETHANE 10.404 55 5009422 56.51 PPBV 99 59) BROMODICHLOROMETHANE 10.679 57 10419434 55.66 PPBV 98 61) 1,4-DIOXANE 10.679 57 10419434 55.66 PPBV 98 61) 1,4-DIOXANE 10.648 88 1832277 59.18 PPBV 98 62) HEPTANE 11.028 43 4076591 58.73 PPBV 98 63) METHYL METHACRYLATE 10.930 69 2529851 58.08 PPBV 98 64) METHYL ISOBUTYL KETONE 11.774 58 2175500 59.76 PPBV 98 65) CIS-1,3-DICHLOROPROPENE 11.775 75 5144419 61.67 PPBV 82 66) TOLUENE 12.955 92 5758163 60.73 PPBV 95 67) 1,3-DICHLOROPROPENE 12.955 92 5758163 60.73 PPBV 95 68) trans-1,3-DICHLOROPROPENE 12.955 92 5758163 60.73 PPBV 99 68) trans-1,3-DICHLOROPROPENE 13.044 76 4399651 55.59 PPBV 99 69) 1,1,2-TRICHLOROPROPENE 13.346 58 3228192 44.48 PPBV 99 71) 2-HEXANONE 13.346 58 3228192 44.48 PPBV 99 71) 2-HEXANONE 13.346 58 3288192 44.48 PPBV 94 72) ETHYL METHACRYLATE 13.383 69 4663618 42.47 PPBV 99 73) TETRACHLOROETHANE 13.383 69 4663618 42.47 PPBV 98 74) DIBROMOCHLOROMETHANE 13.823 107 628553 45.95 PPBV 100 76) OCTANE 13.3823 107 628553 45.95 PPBV 99 78) CHLOROBENZENE 15.408 112 8787014 46.08 PPBV 99 78) CHLOROBENZENE 16.907 106 5460474 48.63 PPBV 99 78) CHLOROBENZENE 16.907 106 5460474 48.63 PPBV 99 78) CHLOROBENZENE 16.907 106 5460474 48.63 PPBV 99 78) ETHYLBENZENE 16.907 106 5460474 48.63 PPBV 99 78) CHLOROBENZENE 16.907 106 5460474 48.63 PPBV 99 78) 10 -XYLENE 16.907 106 5460474 48.63 PPBV 99 78) 11 -2-TETRACHLOROETHANE 16.907 106 5460474 48.63 PPBV 99 78) 12 -4-TETHYLDENZENE 16.907 106 5460474 48.63 PPBV 99 78) 11 -3-TETHYLDENZENE 16.907 106 5460474 48.63 PPBV 99 78) 11 -3-TETHYLDENZENE 16.907 106 5460474 48.63 PPBV 99 78) 11 -3-TETHYLDENZENE 16.907 107 107 17522682 42.58 PPBV 90 79 11 -1-TETHYLDENZENE 16.907 107 107 107 107 107 107 107 107 107 1	55)	TRICHLOROETHYLENE	10.648	95	4030473	63.31 PPBV	100
57) DIBROMOMETHANE 10.404 55 5009422 56.51 PPBV 99 59) BROMODICHLOROMETHANE 10.679 57 10419434 55.66 PPBV 98 61) 1,4-DIOXANE 10.679 57 10419434 55.66 PPBV 98 61) 1,4-DIOXANE 10.648 88 1832277 59.18 PPBV 98 62) HEPTANE 11.028 43 4076591 58.73 PPBV 98 63) METHYL METHACRYLATE 10.930 69 2529851 58.08 PPBV 98 64) METHYL ISOBUTYL KETONE 11.774 58 2175500 59.76 PPBV 98 65) CIS-1,3-DICHLOROPROPENE 11.775 75 5144419 61.67 PPBV 82 66) TOLUENE 12.955 92 5758163 60.73 PPBV 95 67) 1,3-DICHLOROPROPENE 12.955 92 5758163 60.73 PPBV 95 68) trans-1,3-DICHLOROPROPENE 12.955 92 5758163 60.73 PPBV 99 68) trans-1,3-DICHLOROPROPENE 13.044 76 4399651 55.59 PPBV 99 69) 1,1,2-TRICHLOROPROPENE 13.346 58 3228192 44.48 PPBV 99 71) 2-HEXANONE 13.346 58 3228192 44.48 PPBV 99 71) 2-HEXANONE 13.346 58 3288192 44.48 PPBV 94 72) ETHYL METHACRYLATE 13.383 69 4663618 42.47 PPBV 99 73) TETRACHLOROETHANE 13.383 69 4663618 42.47 PPBV 98 74) DIBROMOCHLOROMETHANE 13.823 107 628553 45.95 PPBV 100 76) OCTANE 13.3823 107 628553 45.95 PPBV 99 78) CHLOROBENZENE 15.408 112 8787014 46.08 PPBV 99 78) CHLOROBENZENE 16.907 106 5460474 48.63 PPBV 99 78) CHLOROBENZENE 16.907 106 5460474 48.63 PPBV 99 78) CHLOROBENZENE 16.907 106 5460474 48.63 PPBV 99 78) ETHYLBENZENE 16.907 106 5460474 48.63 PPBV 99 78) CHLOROBENZENE 16.907 106 5460474 48.63 PPBV 99 78) 10 -XYLENE 16.907 106 5460474 48.63 PPBV 99 78) 11 -2-TETRACHLOROETHANE 16.907 106 5460474 48.63 PPBV 99 78) 12 -4-TETHYLDENZENE 16.907 106 5460474 48.63 PPBV 99 78) 11 -3-TETHYLDENZENE 16.907 106 5460474 48.63 PPBV 99 78) 11 -3-TETHYLDENZENE 16.907 106 5460474 48.63 PPBV 99 78) 11 -3-TETHYLDENZENE 16.907 107 107 17522682 42.58 PPBV 90 79 11 -1-TETHYLDENZENE 16.907 107 107 107 107 107 107 107 107 107 1	56)	1,2-DICHLOROPROPANE	10.355	63	2813295	58.06 PPBV	
74) DIBROMOCHLOROMETHANE 75) 1,2-DIBROMOETHANE 76) 0,7-DIBROMOETHANE 77) 1,1,1,2-TETRACHLOROETHANE 78) CHLOROBENZENE 79) 1,2-TETRACHLOROETHANE 15,390 131 138,787104 14,76 15,390 131 138,787104 14,76 15,999 17,70 17,1,1,2-TETRACHLOROETHANE 15,390 131 15,897106 15,061 15,999 17,9-ETHYLBENZENE 15,959 18,959 19,123,8268 19,186 19,180 10,-XYLENE 16,240 106 106,34363 10,186 10,-XYLENE 16,907 106 106,907 107 107 107 107 107 107 107 107 107 1	57)	DIBROMOMETHANE	10.330	174	4403598	67.34 PPBV	
74) DIBROMOCHLOROMETHANE 75) 1,2-DIBROMOETHANE 76) 0,7-DIBROMOETHANE 77) 1,1,1,2-TETRACHLOROETHANE 78) CHLOROBENZENE 79) 1,2-TETRACHLOROETHANE 15,390 131 138,787104 14,76 15,390 131 138,787104 14,76 15,999 17,70 17,1,1,2-TETRACHLOROETHANE 15,390 131 15,897106 15,061 15,999 17,9-ETHYLBENZENE 15,959 18,959 19,123,8268 19,186 19,180 10,-XYLENE 16,240 106 106,34363 10,186 10,-XYLENE 16,907 106 106,907 107 107 107 107 107 107 107 107 107 1	58)	ETHYL ACRYLATE	10.404	55	5009422	56.51 PPBV	
74) DIBROMOCHLOROMETHANE 75) 1,2-DIBROMOETHANE 76) 0,7-DIBROMOETHANE 77) 1,1,1,2-TETRACHLOROETHANE 78) CHLOROBENZENE 79) 1,2-TETRACHLOROETHANE 15,390 131 138,787104 14,76 15,390 131 138,787104 14,76 15,999 17,70 17,1,1,2-TETRACHLOROETHANE 15,390 131 15,897106 15,061 15,999 17,9-ETHYLBENZENE 15,959 18,959 19,123,8268 19,186 19,180 10,-XYLENE 16,240 106 106,34363 10,186 10,-XYLENE 16,907 106 106,907 107 107 107 107 107 107 107 107 107 1	59)	BROMODICHLOROMETHANE	10.599	83	6768241	58.89 PPBV	
74) DIBROMOCHLOROMETHANE 75) 1,2-DIBROMOETHANE 76) 0,7-DIBROMOETHANE 77) 1,1,1,2-TETRACHLOROETHANE 78) CHLOROBENZENE 79) 1,2-TETRACHLOROETHANE 15,390 131 138,787104 14,76 15,390 131 138,787104 14,76 15,999 17,70 17,1,1,2-TETRACHLOROETHANE 15,390 131 15,897106 15,061 15,999 17,9-ETHYLBENZENE 15,959 18,959 19,123,8268 19,186 19,180 10,-XYLENE 16,240 106 106,34363 10,186 10,-XYLENE 16,907 106 106,907 107 107 107 107 107 107 107 107 107 1	61)	2,2,4-TRIMETHYLPENTANE	10.679	5/	10419434	55.00 PPBV	
74) DIBROMOCHLOROMETHANE 75) 1,2-DIBROMOETHANE 76) 0,7-DIBROMOETHANE 77) 1,1,1,2-TETRACHLOROETHANE 78) CHLOROBENZENE 79) 1,2-TETRACHLOROETHANE 15,390 131 138,787104 14,76 15,390 131 138,787104 14,76 15,999 17,70 17,1,1,2-TETRACHLOROETHANE 15,390 131 15,897106 15,061 15,999 17,9-ETHYLBENZENE 15,959 18,959 19,123,8268 19,186 19,180 10,-XYLENE 16,240 106 106,34363 10,186 10,-XYLENE 16,907 106 106,907 107 107 107 107 107 107 107 107 107 1	62)	T, 4-DIOXANE UPDTANE	11 028	43	4076581	59.10 PPBV #	
74) DIBROMOCHLOROMETHANE 75) 1,2-DIBROMOETHANE 76) 0,7-DIBROMOETHANE 77) 1,1,1,2-TETRACHLOROETHANE 78) CHLOROBENZENE 79) 1,2-TETRACHLOROETHANE 15,390 131 138,787104 14,76 15,390 131 138,787104 14,76 15,999 17,70 17,1,1,2-TETRACHLOROETHANE 15,390 131 15,897106 15,061 15,999 17,9-ETHYLBENZENE 15,959 18,959 19,123,8268 19,186 19,180 10,-XYLENE 16,240 106 106,34363 10,186 10,-XYLENE 16,907 106 106,907 107 107 107 107 107 107 107 107 107 1	63)	METHYL METHACRYLATE	10 930	69	2529551	58 08 DDBV	
74) DIBROMOCHLOROMETHANE 75) 1,2-DIBROMOETHANE 76) 0,7-DIBROMOETHANE 77) 1,1,1,2-TETRACHLOROETHANE 78) CHLOROBENZENE 79) 1,2-TETRACHLOROETHANE 15,390 131 138,787104 14,76 15,390 131 138,787104 14,76 15,999 17,70 17,1,1,2-TETRACHLOROETHANE 15,390 131 15,897106 15,061 15,999 17,9-ETHYLBENZENE 15,959 18,959 19,123,8268 19,186 19,180 10,-XYLENE 16,240 106 106,34363 10,186 10,-XYLENE 16,907 106 106,907 107 107 107 107 107 107 107 107 107 1	64)	METHYL ISOBUTYL KETONE	11 774	58	2175500	59 76 PPRV	
74) DIBROMOCHLOROMETHANE 75) 1,2-DIBROMOETHANE 76) 0,7-DIBROMOETHANE 77) 1,1,1,2-TETRACHLOROETHANE 78) CHLOROBENZENE 79) 1,2-TETRACHLOROETHANE 15,390 131 138,787104 14,76 15,390 131 138,787104 14,76 15,999 17,70 17,1,1,2-TETRACHLOROETHANE 15,390 131 15,897106 15,061 15,999 17,9-ETHYLBENZENE 15,959 18,959 19,123,8268 19,186 19,180 10,-XYLENE 16,240 106 106,34363 10,186 10,-XYLENE 16,907 106 106,907 107 107 107 107 107 107 107 107 107 1	65)	cis-1.3-DICHLOROPROPENE	11.725	75	5144419	61.67 PPBV	
74) DIBROMOCHLOROMETHANE 75) 1,2-DIBROMOETHANE 76) 0,7-DIBROMOETHANE 77) 1,1,1,2-TETRACHLOROETHANE 78) CHLOROBENZENE 79) 1,2-TETRACHLOROETHANE 15,390 131 138,787104 14,76 15,390 131 138,787104 14,76 15,999 17,70 17,1,1,2-TETRACHLOROETHANE 15,390 131 15,897106 15,061 15,999 17,9-ETHYLBENZENE 15,959 18,959 19,123,8268 19,186 19,180 10,-XYLENE 16,240 106 106,34363 10,186 10,-XYLENE 16,907 106 106,907 107 107 107 107 107 107 107 107 107 1	66)	TOLUENE	12.955	92	5758163	60.73 PPBV	
74) DIBROMOCHLOROMETHANE 75) 1,2-DIBROMOETHANE 76) 0,7-DIBROMOETHANE 77) 1,1,1,2-TETRACHLOROETHANE 78) CHLOROBENZENE 79) 1,2-TETRACHLOROETHANE 15,390 131 138,787104 14,76 15,390 131 138,787104 14,76 15,999 17,70 17,1,1,2-TETRACHLOROETHANE 15,390 131 15,897106 15,061 15,999 17,9-ETHYLBENZENE 15,959 18,959 19,123,8268 19,186 19,180 10,-XYLENE 16,240 106 106,34363 10,186 10,-XYLENE 16,907 106 106,907 107 107 107 107 107 107 107 107 107 1	67)	1,3-DICHLOROPROPANE	13.004	76	4399651	55.59 PPBV #	99
74) DIBROMOCHLOROMETHANE 75) 1,2-DIBROMOETHANE 76) 0,7-DIBROMOETHANE 77) 1,1,1,2-TETRACHLOROETHANE 78) CHLOROBENZENE 79) 1,2-TETRACHLOROETHANE 15,390 131 138,787104 14,76 15,390 131 138,787104 14,76 15,999 17,70 17,1,1,2-TETRACHLOROETHANE 15,390 131 15,897106 15,061 15,999 17,9-ETHYLBENZENE 15,959 18,959 19,123,8268 19,186 19,180 10,-XYLENE 16,240 106 106,34363 10,186 10,-XYLENE 16,907 106 106,907 107 107 107 107 107 107 107 107 107 1	68)	trans-1,3-DICHLOROPROPENE	12.404	75	4674960	59.65 PPBV	99
74) DIBROMOCHLOROMETHANE 75) 1,2-DIBROMOETHANE 76) 0,7-DIBROMOETHANE 77) 1,1,1,2-TETRACHLOROETHANE 78) CHLOROBENZENE 79) 1,2-TETRACHLOROETHANE 15,390 131 138,787104 14,76 15,390 131 138,787104 14,76 15,999 17,70 17,1,1,2-TETRACHLOROETHANE 15,390 131 15,897106 15,061 15,999 17,9-ETHYLBENZENE 15,959 18,959 19,123,8268 19,186 19,180 10,-XYLENE 16,240 106 106,34363 10,186 10,-XYLENE 16,907 106 106,907 107 107 107 107 107 107 107 107 107 1	69)	1,1,2-TRICHLOROETHANE	12.606	83	3208086	60.12 PPBV	99
74) DIBROMOCHLOROMETHANE 75) 1,2-DIBROMOETHANE 76) 0,7-DIBROMOETHANE 77) 1,1,1,2-TETRACHLOROETHANE 78) CHLOROBENZENE 79) 1,2-TETRACHLOROETHANE 15,390 131 138,787104 14,76 15,390 131 138,787104 14,76 15,999 17,70 17,1,1,2-TETRACHLOROETHANE 15,390 131 15,897106 15,061 15,999 17,9-ETHYLBENZENE 15,959 18,959 19,123,8268 19,186 19,180 10,-XYLENE 16,240 106 106,34363 10,186 10,-XYLENE 16,907 106 106,907 107 107 107 107 107 107 107 107 107 1	71)	2-HEXANONE	13.346	58	3288192	44.48 PPBV	94
74) DIBROMOCHLOROMETHANE 75) 1,2-DIBROMOETHANE 76) 0,7-DIBROMOETHANE 77) 1,1,1,2-TETRACHLOROETHANE 78) CHLOROBENZENE 79) 1,2-TETRACHLOROETHANE 15,390 131 138,787104 14,76 15,390 131 138,787104 14,76 15,999 17,70 17,1,1,2-TETRACHLOROETHANE 15,390 131 15,897106 15,061 15,999 17,9-ETHYLBENZENE 15,959 18,959 19,123,8268 19,186 19,180 10,-XYLENE 16,240 106 106,34363 10,186 10,-XYLENE 16,907 106 106,907 107 107 107 107 107 107 107 107 107 1	72)	ETHYL METHACRYLATE	13.383	69	4663618	42.47 PPBV	
75) 1,2-DIBROMOCHLOROMETHANE 75) 1,2-DIBROMOETHANE 76) 0.CTANE 77) 1,1,1,2-TETRACHLOROETHANE 78) CHLOROBENZENE 15.390 131 5897106 50.61 PPBV 99 78) CHLOROBENZENE 15.408 112 8787014 46.08 PPBV 99 79) ETHYLBENZENE 15.959 91 12382680 43.51 PPBV 95 80) m,p-XYLENE 16.240 106 10634363 91.86 PPBV 98 81) O-XYLENE 16.748 104 7952309 86.0 PPBV 98 83) NONANE 17.317 43 6343459 43.14 PPBV 97 84) BROMOFORM 16.295 173 8534379 46.49 PPBV 98 86) 1,1,2,2-TETRACHLOROETHANE 16.907 88) ISOPROPYLBENZENE 17.096 88) ISOPROPYLBENZENE 17.818 105 13921490 41.62 PPBV 98 99 91) n-PROPYLBENZENE 18.546 126 4153269 45.30 PPBV 99 91) n-PROPYLBENZENE 18.638 120 418437 44.54 PPBV 99 91) n-PROPYLBENZENE 18.638 120 4184437 44.54 PPBV 99 92) 4-ETHYLTOLUENE 18.638 120 4184437 44.54 PPBV 99 92) 4-ETHYLTOLUENE 18.638 105 13700466 41.43 PPBV 99 92) 4-ETHYLTOLUENE 18.833 105 13700466 41.43 PPBV 99 91) n-PROPYLBENZENE 19.017 105 11622862 42.58 PPBV 94 94) ALPHA-METHYLSTYRENE 19.256 118 6681294 44.84 PPBV 99 95) tert-BUTYLBENZENE 19.617 134 3324681 51.66 PPBV 98 98 98 98 DENZYL CHLOROTO 99 91 1,2,4-TRIMETHYLBENZENE 19.617 134 3324681 51.66 PPBV 98 98 98 98 DENZYL CHLOROTO 99 91 1,2,4-TRIMETHYLBENZENE 19.617 134 3324681 51.66 PPBV 96 97) m-DICHLOROBENZENE 19.627 118 6681294 44.84 PPBV 99 99 99 99 p-DICHLOROBENZENE 19.637 105 12484321 42.43 PPBV 96 97) m-DICHLOROBENZENE 19.637 105 12484321 42.43 PPBV 96 100) sec-BUTYLBENZENE 20.271 2134 4287515 47.43 PPBV 96 100) sec-BUTYLBENZENE 20.272 2134 4287515 47.43 PPBV 97 105) HEXACHLOROBENZENE 20.411 21 146 8710849 43.02 PPBV 96 107) 1,2,3-TRIMETHYLBENZENE 20.272 2134 4287515 47.43 PPBV 97 105) HEXACHLOROBENZENE 20.411 21 146 8710849 43.02 PPBV 96 107) 1,2,4-TRICHLOROBENZENE 20.859 134 4311237 48.34 PPBV 97 105) HEXACHLOROBENZENE 20.859 136 8724184 49.16 PPBV 97 107 108 NAPHTHALENE 21.318 117 7025634 47.09 PPBV 98 107 108 NAPHTHALENE 22.890 128 15541142 37.21 PPBV	73)	TETRACHLOROETHYLENE	14.466	164	4734534	48.44 PPBV	
77) 1,1,1,2-TETRACHLOROETHANE 15.390 131 5897106 50.61 PPBV 99 78) CHLOROBENZENE 15.959 91 12382680 43.51 PPBV 95 80) m,p-XYLENE 16.240 106 10634363 91.86 PPBV 89 81) o-XYLENE 16.907 106 5460474 48.63 PPBV 92 82) STYRENE 16.748 104 7952309 46.60 PPBV 98 83) NONANE 17.317 43 6343459 43.14 PPBV 97 84) BROMOFORM 16.295 173 8534379 46.49 PPBV 98 86) 1,1,2,2-TETRACHLOROETHANE 16.907 83 8688540 44.62 PPBV 98 87) 1,2,3-TRICHLOROPROPANE 17.096 75 5426568 41.37 PPBV 96 88) ISOPROPYLBENZENE 17.818 105 13921490 41.62 PPBV 94 89) BROMOBENZENE 17.910 77 6792368 42.15 PPBV 96 90) 2-CHLOROTOLUENE 18.546 126 4153269 45.30 PPBV 99 91) n-PROPYLBENZENE 18.638 120 4184437 44.54 PPBV 99 92) 4-ETHYLTOLUENE 18.883 105 13700466 41.43 PPBV 99 92) 4-ETHYLTOLUENE 18.883 105 13700466 41.43 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 19.017 105 11622862 42.58 PPBV 94 94) ALPHA-METHYLSTYRENE 19.256 118 6681294 44.84 PPBV 99 95) tert-BUTYLBENZENE 19.617 134 3324681 51.66 PPBV 99 95) tert-BUTYLBENZENE 19.635 105 12484321 42.43 PPBV 99 97) m-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 94 99) p-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 94 99) p-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 94 99) p-DICHLOROBENZENE 19.827 134 3558456 46.29 PPBV # 94 99) p-DICHLOROBENZENE 19.827 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.241 105 12487851 42.38 PPBV 92 102) p-TSOPROPYLTOLUENE 20.272 134 4287515 47.43 PPBV 92 103) o-DICHLOROBENZENE 20.241 105 12487851 42.38 PPBV # 92 102) p-TSOPROPYLTOLUENE 20.272 134 4287515 47.43 PPBV # 92 103) o-DICHLOROBENZENE 20.859 134 4311237 48.34 PPBV # 92 105) HEXACHLOROBENZENE 20.859 134 4311237 48.34 PPBV # 97 105) HEXACHLOROBENZENE 20.859 134 4311237 48.34 PPBV # 67 105) HEXACHLOROBENZENE 20.859 134 4311237 49.30 PPBV # 97 106) HEXACHLOROBENZENE 20.859 134 4311237 49.30 PPBV # 97 107) 1,2,4-TRICHLOROBENZENE 23.367 225 9570477 49.30 PPBV 95 108) NAPHTHALENE 22.890 128 15541142 37.21 PPBV	74)	DIBROMOCHLOROMETHANE		129	8078960	43.91 PPBV	
77) 1,1,1,2-TETRACHLOROETHANE 15.390 131 5897106 50.61 PPBV 99 78) CHLOROBENZENE 15.959 91 12382680 43.51 PPBV 95 80) m,p-XYLENE 16.240 106 10634363 91.86 PPBV 89 81) o-XYLENE 16.907 106 5460474 48.63 PPBV 92 82) STYRENE 16.748 104 7952309 46.60 PPBV 98 83) NONANE 17.317 43 6343459 43.14 PPBV 97 84) BROMOFORM 16.295 173 8534379 46.49 PPBV 98 86) 1,1,2,2-TETRACHLOROETHANE 16.907 83 8688540 44.62 PPBV 98 87) 1,2,3-TRICHLOROPROPANE 17.096 75 5426568 41.37 PPBV 96 88) ISOPROPYLBENZENE 17.818 105 13921490 41.62 PPBV 94 89) BROMOBENZENE 17.910 77 6792368 42.15 PPBV 96 90) 2-CHLOROTOLUENE 18.546 126 4153269 45.30 PPBV 99 91) n-PROPYLBENZENE 18.638 120 4184437 44.54 PPBV 99 92) 4-ETHYLTOLUENE 18.883 105 13700466 41.43 PPBV 99 92) 4-ETHYLTOLUENE 18.883 105 13700466 41.43 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 19.017 105 11622862 42.58 PPBV 94 94) ALPHA-METHYLSTYRENE 19.256 118 6681294 44.84 PPBV 99 95) tert-BUTYLBENZENE 19.617 134 3324681 51.66 PPBV 99 95) tert-BUTYLBENZENE 19.635 105 12484321 42.43 PPBV 99 97) m-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 94 99) p-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 94 99) p-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 94 99) p-DICHLOROBENZENE 19.827 134 3558456 46.29 PPBV # 94 99) p-DICHLOROBENZENE 19.827 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.241 105 12487851 42.38 PPBV 92 102) p-TSOPROPYLTOLUENE 20.272 134 4287515 47.43 PPBV 92 103) o-DICHLOROBENZENE 20.241 105 12487851 42.38 PPBV # 92 102) p-TSOPROPYLTOLUENE 20.272 134 4287515 47.43 PPBV # 92 103) o-DICHLOROBENZENE 20.859 134 4311237 48.34 PPBV # 92 105) HEXACHLOROBENZENE 20.859 134 4311237 48.34 PPBV # 97 105) HEXACHLOROBENZENE 20.859 134 4311237 48.34 PPBV # 67 105) HEXACHLOROBENZENE 20.859 134 4311237 49.30 PPBV # 97 106) HEXACHLOROBENZENE 20.859 134 4311237 49.30 PPBV # 97 107) 1,2,4-TRICHLOROBENZENE 23.367 225 9570477 49.30 PPBV 95 108) NAPHTHALENE 22.890 128 15541142 37.21 PPBV	75)	1,2-DIBROMOETHANE	13.823	T0.7	6285538	45.95 PPBV	
THYLLBENZENE	76)	OCTANE	14.331	131	6220766	44.76 PPBV	
THYLLBENZENE			15.390	111	5897106 0707017	16 00 DDD1	
84) BROMOFORM 86) 1,1,2,2-TETRACHLOROETHANE 86) 1,1,2,3-TRICHLOROPROPANE 87) 1,2,3-TRICHLOROPROPANE 88) ISOPROPYLBENZENE 17.818 105 13921490 89) BROMOBENZENE 17.818 105 13921490 41.62 PPBV 94 89) BROMOBENZENE 17.910 77 6792368 42.15 PPBV 96 90) 2-CHLOROTOLUENE 18.546 126 4153269 45.30 PPBV 99 91 n-PROPYLBENZENE 18.638 120 4184437 44.54 PPBV 99 92) 4-ETHYLTOLUENE 18.883 105 13700466 41.43 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 19.017 105 11622862 42.58 PPBV 94 94) ALPHA-METHYLSTYRENE 19.256 118 6681294 44.84 PPBV 99 95) tert-BUTYLBENZENE 19.617 134 3324681 51.66 PPBV # 76 96) 1,2,4-TRIMETHYLBENZENE 19.635 105 12484321 42.43 PPBV 93 97) m-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 94 99) p-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 96 100) sec-BUTYLBENZENE 19.929 146 9204051 43.65 PPBV 97 101 1,2,3-TRIMETHYLBENZENE 20.021 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.021 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.241 105 12487851 42.38 PPBV # 92 102) p-ISOPROPYLTOLUENE 20.241 105 12487851 42.38 PPBV # 92 106) n-BUTYLBENZENE 20.412 146 8710849 43.02 PPBV # 67 107) n-BUTYLBENZENE 20.412 146 8710849 43.02 PPBV # 67 105) HEXACHLOROBENZENE 21.318 117 7025634 47.09 PPBV 94 106) HEXACHLOROBENZENE 23.367 225 9570477 49.30 PPBV 95 107) 1,2,4-TRICHLOROBENZENE 23.326 180 8724184 49.16 PPBV 97 108) NAPHTHALENE			15.400	01	12222620	40.00 PPDV	
84) BROMOFORM 86) 1,1,2,2-TETRACHLOROETHANE 86) 1,1,2,3-TRICHLOROPROPANE 87) 1,2,3-TRICHLOROPROPANE 88) ISOPROPYLBENZENE 17.818 105 13921490 89) BROMOBENZENE 17.818 105 13921490 41.62 PPBV 94 89) BROMOBENZENE 17.910 77 6792368 42.15 PPBV 96 90) 2-CHLOROTOLUENE 18.546 126 4153269 45.30 PPBV 99 91 n-PROPYLBENZENE 18.638 120 4184437 44.54 PPBV 99 92) 4-ETHYLTOLUENE 18.883 105 13700466 41.43 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 19.017 105 11622862 42.58 PPBV 94 94) ALPHA-METHYLSTYRENE 19.256 118 6681294 44.84 PPBV 99 95) tert-BUTYLBENZENE 19.617 134 3324681 51.66 PPBV # 76 96) 1,2,4-TRIMETHYLBENZENE 19.635 105 12484321 42.43 PPBV 93 97) m-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 94 99) p-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 96 100) sec-BUTYLBENZENE 19.929 146 9204051 43.65 PPBV 97 101 1,2,3-TRIMETHYLBENZENE 20.021 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.021 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.241 105 12487851 42.38 PPBV # 92 102) p-ISOPROPYLTOLUENE 20.241 105 12487851 42.38 PPBV # 92 106) n-BUTYLBENZENE 20.412 146 8710849 43.02 PPBV # 67 107) n-BUTYLBENZENE 20.412 146 8710849 43.02 PPBV # 67 105) HEXACHLOROBENZENE 21.318 117 7025634 47.09 PPBV 94 106) HEXACHLOROBENZENE 23.367 225 9570477 49.30 PPBV 95 107) 1,2,4-TRICHLOROBENZENE 23.326 180 8724184 49.16 PPBV 97 108) NAPHTHALENE			16 240	106	10634363	91 86 DDRV	
84) BROMOFORM 86) 1,1,2,2-TETRACHLOROETHANE 86) 1,1,2,3-TRICHLOROPROPANE 87) 1,2,3-TRICHLOROPROPANE 88) ISOPROPYLBENZENE 17.818 105 13921490 89) BROMOBENZENE 17.818 105 13921490 41.62 PPBV 94 89) BROMOBENZENE 17.910 77 6792368 42.15 PPBV 96 90) 2-CHLOROTOLUENE 18.546 126 4153269 45.30 PPBV 99 91 n-PROPYLBENZENE 18.638 120 4184437 44.54 PPBV 99 92) 4-ETHYLTOLUENE 18.883 105 13700466 41.43 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 19.017 105 11622862 42.58 PPBV 94 94) ALPHA-METHYLSTYRENE 19.256 118 6681294 44.84 PPBV 99 95) tert-BUTYLBENZENE 19.617 134 3324681 51.66 PPBV # 76 96) 1,2,4-TRIMETHYLBENZENE 19.635 105 12484321 42.43 PPBV 93 97) m-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 94 99) p-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 96 100) sec-BUTYLBENZENE 19.929 146 9204051 43.65 PPBV 97 101 1,2,3-TRIMETHYLBENZENE 20.021 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.021 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.241 105 12487851 42.38 PPBV # 92 102) p-ISOPROPYLTOLUENE 20.241 105 12487851 42.38 PPBV # 92 106) n-BUTYLBENZENE 20.412 146 8710849 43.02 PPBV # 67 107) n-BUTYLBENZENE 20.412 146 8710849 43.02 PPBV # 67 105) HEXACHLOROBENZENE 21.318 117 7025634 47.09 PPBV 94 106) HEXACHLOROBENZENE 23.367 225 9570477 49.30 PPBV 95 107) 1,2,4-TRICHLOROBENZENE 23.326 180 8724184 49.16 PPBV 97 108) NAPHTHALENE			16.907	106	5460474	48.63 PPBV	
84) BROMOFORM 86) 1,1,2,2-TETRACHLOROETHANE 86) 1,1,2,3-TRICHLOROPROPANE 87) 1,2,3-TRICHLOROPROPANE 88) ISOPROPYLBENZENE 17.818 105 13921490 89) BROMOBENZENE 17.818 105 13921490 41.62 PPBV 94 89) BROMOBENZENE 17.910 77 6792368 42.15 PPBV 96 90) 2-CHLOROTOLUENE 18.546 126 4153269 45.30 PPBV 99 91 n-PROPYLBENZENE 18.638 120 4184437 44.54 PPBV 99 92) 4-ETHYLTOLUENE 18.883 105 13700466 41.43 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 19.017 105 11622862 42.58 PPBV 94 94) ALPHA-METHYLSTYRENE 19.256 118 6681294 44.84 PPBV 99 95) tert-BUTYLBENZENE 19.617 134 3324681 51.66 PPBV # 76 96) 1,2,4-TRIMETHYLBENZENE 19.635 105 12484321 42.43 PPBV 93 97) m-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 94 99) p-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 96 100) sec-BUTYLBENZENE 19.929 146 9204051 43.65 PPBV 97 101 1,2,3-TRIMETHYLBENZENE 20.021 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.021 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.241 105 12487851 42.38 PPBV # 92 102) p-ISOPROPYLTOLUENE 20.241 105 12487851 42.38 PPBV # 92 106) n-BUTYLBENZENE 20.412 146 8710849 43.02 PPBV # 67 107) n-BUTYLBENZENE 20.412 146 8710849 43.02 PPBV # 67 105) HEXACHLOROBENZENE 21.318 117 7025634 47.09 PPBV 94 106) HEXACHLOROBENZENE 23.367 225 9570477 49.30 PPBV 95 107) 1,2,4-TRICHLOROBENZENE 23.326 180 8724184 49.16 PPBV 97 108) NAPHTHALENE			16.748	104	7952309	46.60 PPBV	
84) BROMOFORM 86) 1,1,2,2-TETRACHLOROETHANE 86) 1,1,2,3-TRICHLOROPROPANE 87) 1,2,3-TRICHLOROPROPANE 88) ISOPROPYLBENZENE 17.818 105 13921490 89) BROMOBENZENE 17.818 105 13921490 41.62 PPBV 94 89) BROMOBENZENE 17.910 77 6792368 42.15 PPBV 96 90) 2-CHLOROTOLUENE 18.546 126 4153269 45.30 PPBV 99 91 n-PROPYLBENZENE 18.638 120 4184437 44.54 PPBV 99 92) 4-ETHYLTOLUENE 18.883 105 13700466 41.43 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 19.017 105 11622862 42.58 PPBV 94 94) ALPHA-METHYLSTYRENE 19.256 118 6681294 44.84 PPBV 99 95) tert-BUTYLBENZENE 19.617 134 3324681 51.66 PPBV # 76 96) 1,2,4-TRIMETHYLBENZENE 19.635 105 12484321 42.43 PPBV 93 97) m-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 94 99) p-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 96 100) sec-BUTYLBENZENE 19.929 146 9204051 43.65 PPBV 97 101 1,2,3-TRIMETHYLBENZENE 20.021 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.021 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.241 105 12487851 42.38 PPBV # 92 102) p-ISOPROPYLTOLUENE 20.241 105 12487851 42.38 PPBV # 92 106) n-BUTYLBENZENE 20.412 146 8710849 43.02 PPBV # 67 107) n-BUTYLBENZENE 20.412 146 8710849 43.02 PPBV # 67 105) HEXACHLOROBENZENE 21.318 117 7025634 47.09 PPBV 94 106) HEXACHLOROBENZENE 23.367 225 9570477 49.30 PPBV 95 107) 1,2,4-TRICHLOROBENZENE 23.326 180 8724184 49.16 PPBV 97 108) NAPHTHALENE			17.317	43	6343459	43.14 PPBV	
87) 1,2,3-TRICHLOROPROPANE 17.096 75 5426568 41.37 PPBV 96 88) ISOPROPYLBENZENE 17.818 105 13921490 41.62 PPBV 94 89) BROMOBENZENE 17.910 77 6792368 42.15 PPBV 96 90) 2-CHLOROTOLUENE 18.546 126 4153269 45.30 PPBV 99 91) n-PROPYLBENZENE 18.638 120 4184437 44.54 PPBV 99 92) 4-ETHYLTOLUENE 18.883 105 13700466 41.43 PPBV 92 93) 1,3,5-TRIMETHYLBENZENE 19.017 105 11622862 42.58 PPBV 94 94) ALPHA-METHYLSTYRENE 19.256 118 6681294 44.84 PPBV 99 95) tert-BUTYLBENZENE 19.617 134 3324681 51.66 PPBV # 76 96) 1,2,4-TRIMETHYLBENZENE 19.635 105 12484321 42.43 PPBV 93 97) m-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 96 98) BENZYL CHLORIDE 19.819 91 11671042 41.75 PPBV 96 100) sec-BUTYLBENZENE 19.929 146 9204051 43.65 PPBV 96 100) sec-BUTYLBENZENE 20.241 105 12487851 42.38 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.241 105 12487851 42.38 PPBV # 92 102) p-ISOPROPYLTOLUENE 20.272 134 4287515 47.43 PPBV # 92 103) o-DICHLOROBENZENE 20.412 146 8710849 43.02 PPBV # 67 105) HEXACHLOROBENZENE 20.412 146 8710849 43.02 PPBV # 67 105) HEXACHLOROBENZENE 20.859 134 4311237 48.34 PPBV # 67 105) HEXACHLOROBENZENE 21.318 117 7025634 47.09 PPBV 95 107) 1,2,4-TRICHLOROBENZENE 23.367 225 9570477 49.30 PPBV 95 107) 1,2,4-TRICHLOROBENZENE 23.326 180 8724184 49.16 PPBV 97 108) NAPHTHALENE 22.890 128 15541142 37.21 PPBV 89			16.295	173	8534379	46.49 PPBV	98
87) 1,2,3-TRICHLOROPROPANE 17.096 75 5426568 41.37 PPBV 96 88) ISOPROPYLBENZENE 17.818 105 13921490 41.62 PPBV 94 89) BROMOBENZENE 17.910 77 6792368 42.15 PPBV 96 90) 2-CHLOROTOLUENE 18.546 126 4153269 45.30 PPBV 99 91) n-PROPYLBENZENE 18.638 120 4184437 44.54 PPBV 99 92) 4-ETHYLTOLUENE 18.883 105 13700466 41.43 PPBV 92 93) 1,3,5-TRIMETHYLBENZENE 19.017 105 11622862 42.58 PPBV 94 94) ALPHA-METHYLSTYRENE 19.256 118 6681294 44.84 PPBV 99 95) tert-BUTYLBENZENE 19.617 134 3324681 51.66 PPBV # 76 96) 1,2,4-TRIMETHYLBENZENE 19.635 105 12484321 42.43 PPBV 93 97) m-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 96 98) BENZYL CHLORIDE 19.819 91 11671042 41.75 PPBV 96 100) sec-BUTYLBENZENE 19.929 146 9204051 43.65 PPBV 96 100) sec-BUTYLBENZENE 20.241 105 12487851 42.38 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.241 105 12487851 42.38 PPBV # 92 102) p-ISOPROPYLTOLUENE 20.272 134 4287515 47.43 PPBV # 92 103) o-DICHLOROBENZENE 20.412 146 8710849 43.02 PPBV # 67 105) HEXACHLOROBENZENE 20.412 146 8710849 43.02 PPBV # 67 105) HEXACHLOROBENZENE 20.859 134 4311237 48.34 PPBV # 67 105) HEXACHLOROBENZENE 21.318 117 7025634 47.09 PPBV 95 107) 1,2,4-TRICHLOROBENZENE 23.367 225 9570477 49.30 PPBV 95 107) 1,2,4-TRICHLOROBENZENE 23.326 180 8724184 49.16 PPBV 97 108) NAPHTHALENE 22.890 128 15541142 37.21 PPBV 89	86)	1,1,2,2-TETRACHLOROETHANE	16.907	83	8688540	44.62 PPBV	97
89) BROMOBENZENE 17.910 77 6792368 42.15 PPBV 96 90) 2-CHLOROTOLUENE 18.546 126 4153269 45.30 PPBV 99 91) n-PROPYLBENZENE 18.638 120 4184437 44.54 PPBV 99 92 4-ETHYLTOLUENE 18.883 105 13700466 41.43 PPBV 92 93) 1,3,5-TRIMETHYLBENZENE 19.017 105 11622862 42.58 PPBV 94 94) ALPHA-METHYLSTYRENE 19.256 118 6681294 44.84 PPBV 99 95) tert-BUTYLBENZENE 19.617 134 3324681 51.66 PPBV # 76 96) 1,2,4-TRIMETHYLBENZENE 19.635 105 12484321 42.43 PPBV 93 97) m-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 96 98) BENZYL CHLORIDE 19.819 91 11671042 41.75 PPBV 94 99) p-DICHLOROBENZENE 19.929 146 9204051 43.65 PPBV 96 100) sec-BUTYLBENZENE 20.021 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.021 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.241 105 12487851 42.38 PPBV # 92 102) p-ISOPROPYLTOLUENE 20.272 134 4287515 47.43 PPBV # 72 103) o-DICHLOROBENZENE 20.412 146 8710849 43.02 PPBV # 67 105) HEXACHLOROBENZENE 20.859 134 4311237 48.34 PPBV # 67 105) HEXACHLOROBENZENE 21.318 117 7025634 47.09 PPBV 94 106) HEXACHLOROBENZENE 23.367 225 9570477 49.30 PPBV 95 107) 1,2,4-TRICHLOROBENZENE 23.326 180 8724184 49.16 PPBV 97 108) NAPHTHALENE 22.890 128 15541142 37.21 PPBV 89	87)	1,2,3-TRICHLOROPROPANE	17.096	75	5426568	41.37 PPBV	96
91) n-propylbenzene 18.638 120 4184437 44.54 ppbv 99 92) 4-ETHYLTOLUENE 18.883 105 13700466 41.43 ppbv 92 93) 1,3,5-TRIMETHYLBENZENE 19.017 105 11622862 42.58 ppbv 94 94) ALPHA-METHYLSTYRENE 19.256 118 6681294 44.84 ppbv 99 95) tert-butylbenzene 19.617 134 3324681 51.66 ppbv # 76 96) 1,2,4-TRIMETHYLBENZENE 19.635 105 12484321 42.43 ppbv 93 97) m-DICHLOROBENZENE 19.825 146 9874832 43.28 ppbv 96 98) BENZYL CHLORIDE 19.819 91 11671042 41.75 ppbv 94 99) p-DICHLOROBENZENE 19.929 146 9204051 43.65 ppbv 96 100) sec-butylbenzene 19.929 146 9204051 43.65 ppbv 96 101) 1,2,3-TRIMETHYLBENZENE 20.221 134 3558456 46.29 ppbv # 64 101) 1,2,3-TRIMETHYLBENZENE 20.241 105 12487851 42.38 ppbv # 92 102) p-ISOPROPYLTOLUENE 20.272 134 4287515 47.43 ppbv # 72 103) o-DICHLOROBENZENE 20.412 146 8710849 43.02 ppbv 96 104) n-butylbenzene 20.859 134 4311237 48.34 ppbv # 67 105) HEXACHLOROBUTADIENE 21.318 117 7025634 47.09 ppbv 94 106) HEXACHLOROBUTADIENE 23.326 180 8724184 49.16 ppbv 97 108) NAPHTHALENE 22.890 128 15541142 37.21 ppbv 89					13921490	41.62 PPBV	
91) n-propylbenzene 18.638 120 4184437 44.54 ppbv 99 92) 4-ETHYLTOLUENE 18.883 105 13700466 41.43 ppbv 92 93) 1,3,5-TRIMETHYLBENZENE 19.017 105 11622862 42.58 ppbv 94 94) ALPHA-METHYLSTYRENE 19.256 118 6681294 44.84 ppbv 99 95) tert-butylbenzene 19.617 134 3324681 51.66 ppbv # 76 96) 1,2,4-TRIMETHYLBENZENE 19.635 105 12484321 42.43 ppbv 93 97) m-DICHLOROBENZENE 19.825 146 9874832 43.28 ppbv 96 98) BENZYL CHLORIDE 19.819 91 11671042 41.75 ppbv 94 99) p-DICHLOROBENZENE 19.929 146 9204051 43.65 ppbv 96 100) sec-butylbenzene 19.929 146 9204051 43.65 ppbv 96 101) 1,2,3-TRIMETHYLBENZENE 20.221 134 3558456 46.29 ppbv # 64 101) 1,2,3-TRIMETHYLBENZENE 20.241 105 12487851 42.38 ppbv # 92 102) p-ISOPROPYLTOLUENE 20.272 134 4287515 47.43 ppbv # 72 103) o-DICHLOROBENZENE 20.412 146 8710849 43.02 ppbv 96 104) n-butylbenzene 20.859 134 4311237 48.34 ppbv # 67 105) HEXACHLOROBUTADIENE 21.318 117 7025634 47.09 ppbv 94 106) HEXACHLOROBUTADIENE 23.326 180 8724184 49.16 ppbv 97 108) NAPHTHALENE 22.890 128 15541142 37.21 ppbv 89	89)	BROMOBENZENE			6792368	42.15 PPBV	
96) 1,2,4-TRIMETHYLBENZENE 19.635 105 12484321 42.43 PPBV 93 97) m-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 96 98) BENZYL CHLORIDE 19.819 91 11671042 41.75 PPBV 94 99) p-DICHLOROBENZENE 19.929 146 9204051 43.65 PPBV 96 100) sec-BUTYLBENZENE 20.021 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.241 105 12487851 42.38 PPBV # 92 102) p-ISOPROPYLTOLUENE 20.272 134 4287515 47.43 PPBV # 72 103) o-DICHLOROBENZENE 20.412 146 8710849 43.02 PPBV # 96 104) n-BUTYLBENZENE 20.859 134 4311237 48.34 PPBV # 67 105) HEXACHLOROBENZENE 21.318 117 7025634 47.09 PPBV 94 106) HEXACHLOROBUTADIENE 23.367 225 9570477 49.30 PPBV 95 107) 1,2,4-TRICHLOROBENZENE 23.226 180 8724184 49.16 PPBV 97 108) NAPHTHALENE 22.890 128 15541142 37.21 PPBV 89	90)	2-CHLOROTOLUENE		126	4153269	45.30 PPBV	
96) 1,2,4-TRIMETHYLBENZENE 19.635 105 12484321 42.43 PPBV 93 97) m-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 96 98) BENZYL CHLORIDE 19.819 91 11671042 41.75 PPBV 94 99) p-DICHLOROBENZENE 19.929 146 9204051 43.65 PPBV 96 100) sec-BUTYLBENZENE 20.021 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.241 105 12487851 42.38 PPBV # 92 102) p-ISOPROPYLTOLUENE 20.272 134 4287515 47.43 PPBV # 72 103) o-DICHLOROBENZENE 20.412 146 8710849 43.02 PPBV # 96 104) n-BUTYLBENZENE 20.859 134 4311237 48.34 PPBV # 67 105) HEXACHLOROBENZENE 21.318 117 7025634 47.09 PPBV 94 106) HEXACHLOROBUTADIENE 23.367 225 9570477 49.30 PPBV 95 107) 1,2,4-TRICHLOROBENZENE 23.226 180 8724184 49.16 PPBV 97 108) NAPHTHALENE 22.890 128 15541142 37.21 PPBV 89	91)	n-PROPYLBENZENE		12U	4184437	44.54 PPBV	
96) 1,2,4-TRIMETHYLBENZENE 19.635 105 12484321 42.43 PPBV 93 97) m-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 96 98) BENZYL CHLORIDE 19.819 91 11671042 41.75 PPBV 94 99) p-DICHLOROBENZENE 19.929 146 9204051 43.65 PPBV 96 100) sec-BUTYLBENZENE 20.021 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.241 105 12487851 42.38 PPBV # 92 102) p-ISOPROPYLTOLUENE 20.272 134 4287515 47.43 PPBV # 72 103) o-DICHLOROBENZENE 20.412 146 8710849 43.02 PPBV # 96 104) n-BUTYLBENZENE 20.859 134 4311237 48.34 PPBV # 67 105) HEXACHLOROBENZENE 21.318 117 7025634 47.09 PPBV 94 106) HEXACHLOROBUTADIENE 23.367 225 9570477 49.30 PPBV 95 107) 1,2,4-TRICHLOROBENZENE 23.226 180 8724184 49.16 PPBV 97 108) NAPHTHALENE 22.890 128 15541142 37.21 PPBV 89	02/	1 2 E DETMEDIEZE DENIGRADE		105	11622062	41.43 PPBV	
96) 1,2,4-TRIMETHYLBENZENE 19.635 105 12484321 42.43 PPBV 93 97) m-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 96 98) BENZYL CHLORIDE 19.819 91 11671042 41.75 PPBV 94 99) p-DICHLOROBENZENE 19.929 146 9204051 43.65 PPBV 96 100) sec-BUTYLBENZENE 20.021 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.241 105 12487851 42.38 PPBV # 92 102) p-ISOPROPYLTOLUENE 20.272 134 4287515 47.43 PPBV # 72 103) o-DICHLOROBENZENE 20.412 146 8710849 43.02 PPBV # 96 104) n-BUTYLBENZENE 20.859 134 4311237 48.34 PPBV # 67 105) HEXACHLOROBENZENE 21.318 117 7025634 47.09 PPBV 94 106) HEXACHLOROBUTADIENE 23.367 225 9570477 49.30 PPBV 95 107) 1,2,4-TRICHLOROBENZENE 23.226 180 8724184 49.16 PPBV 97 108) NAPHTHALENE 22.890 128 15541142 37.21 PPBV 89	941	1,3,3-1KIMEIHILBENZENE ΔΙ.DHΔ-METHYI.STYRENE		118	6681294	42.30 PPBV	
96) 1,2,4-TRIMETHYLBENZENE 19.635 105 12484321 42.43 PPBV 93 97) m-DICHLOROBENZENE 19.825 146 9874832 43.28 PPBV 96 98) BENZYL CHLORIDE 19.819 91 11671042 41.75 PPBV 94 99) p-DICHLOROBENZENE 19.929 146 9204051 43.65 PPBV 96 100) sec-BUTYLBENZENE 20.021 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.241 105 12487851 42.38 PPBV # 92 102) p-ISOPROPYLTOLUENE 20.272 134 4287515 47.43 PPBV # 72 103) o-DICHLOROBENZENE 20.412 146 8710849 43.02 PPBV 96 104) n-BUTYLBENZENE 20.859 134 4311237 48.34 PPBV # 67 105) HEXACHLOROBENTANE 21.318 117 7025634 47.09 PPBV 94 106) HEXACHLOROBUTADIENE 23.367 225 9570477 49.30 PPBV 95 107) 1,2,4-TRICHLOROBENZENE 23.226 180 8724184 49.16 PPBV 97 108) NAPHTHALENE 22.890 128 15541142 37.21 PPBV 89	95)	tert-BUTYLBENZENE		134	3324681	51.66 PPBV #	
98) BENZYL CHLORIDE 19.819 91 11671042 41.75 PPBV 94 99) p-DICHLOROBENZENE 19.929 146 9204051 43.65 PPBV 96 100) sec-BUTYLBENZENE 20.021 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.241 105 12487851 42.38 PPBV # 92 102) p-ISOPROPYLTOLUENE 20.272 134 4287515 47.43 PPBV # 72 103) o-DICHLOROBENZENE 20.412 146 8710849 43.02 PPBV 96 104) n-BUTYLBENZENE 20.859 134 4311237 48.34 PPBV # 67 105) HEXACHLOROETHANE 21.318 117 7025634 47.09 PPBV 94 106) HEXACHLOROBUTADIENE 23.367 225 9570477 49.30 PPBV 95 107) 1,2,4-TRICHLOROBENZENE 23.226 180 8724184 49.16 PPBV 97 108) NAPHTHALENE 22.890 128 15541142 37.21 PPBV 89	96)	1.2.4-TRIMETHYLBENZENE		105	12484321	42.43 PPBV	
98) BENZYL CHLORIDE 19.819 91 11671042 41.75 PPBV 94 99) p-DICHLOROBENZENE 19.929 146 9204051 43.65 PPBV 96 100) sec-BUTYLBENZENE 20.021 134 3558456 46.29 PPBV # 64 101) 1,2,3-TRIMETHYLBENZENE 20.241 105 12487851 42.38 PPBV # 92 102) p-ISOPROPYLTOLUENE 20.272 134 4287515 47.43 PPBV # 72 103) o-DICHLOROBENZENE 20.412 146 8710849 43.02 PPBV 96 104) n-BUTYLBENZENE 20.859 134 4311237 48.34 PPBV # 67 105) HEXACHLOROETHANE 21.318 117 7025634 47.09 PPBV 94 106) HEXACHLOROBUTADIENE 23.367 225 9570477 49.30 PPBV 95 107) 1,2,4-TRICHLOROBENZENE 23.226 180 8724184 49.16 PPBV 97 108) NAPHTHALENE 22.890 128 15541142 37.21 PPBV 89	97)	m-DICHLOROBENZENE	19.825	146	9874832	43.28 PPBV	
101)     1,2,3-TRIMETHYLBENZENE     20.241     105     12487851     42.38 PPBV # 92       102)     p-ISOPROPYLTOLUENE     20.272     134     4287515     47.43 PPBV # 72       103)     o-DICHLOROBENZENE     20.412     146     8710849     43.02 PPBV 96       104)     n-BUTYLBENZENE     20.859     134     4311237     48.34 PPBV # 67       105)     HEXACHLOROBUTADIENE     21.318     117     7025634     47.09 PPBV     94       106)     HEXACHLOROBUTADIENE     23.367     225     9570477     49.30 PPBV     95       107)     1,2,4-TRICHLOROBENZENE     23.226     180     8724184     49.16 PPBV     97       108)     NAPHTHALENE     22.890     128     15541142     37.21 PPBV     89	98)	BENZYL CHLORIDE	19.819	91	11671042	41.75 PPBV	
101)     1,2,3-TRIMETHYLBENZENE     20.241     105     12487851     42.38 PPBV # 92       102)     p-ISOPROPYLTOLUENE     20.272     134     4287515     47.43 PPBV # 72       103)     o-DICHLOROBENZENE     20.412     146     8710849     43.02 PPBV 96       104)     n-BUTYLBENZENE     20.859     134     4311237     48.34 PPBV # 67       105)     HEXACHLOROBUTADIENE     21.318     117     7025634     47.09 PPBV     94       106)     HEXACHLOROBUTADIENE     23.367     225     9570477     49.30 PPBV     95       107)     1,2,4-TRICHLOROBENZENE     23.226     180     8724184     49.16 PPBV     97       108)     NAPHTHALENE     22.890     128     15541142     37.21 PPBV     89	99)	p-DICHLOROBENZENE	19.929	146	9204051	43.65 PPBV	96
102) p-ISOPROPYLTOLUENE     20.272     134     4287515     47.43 PPBV # 72       103) o-DICHLOROBENZENE     20.412     146     8710849     43.02 PPBV 96       104) n-BUTYLBENZENE     20.859     134     4311237     48.34 PPBV # 67       105) HEXACHLOROETHANE     21.318     117     7025634     47.09 PPBV 94       106) HEXACHLOROBUTADIENE     23.367     225     9570477     49.30 PPBV 95       107) 1,2,4-TRICHLOROBENZENE     23.226     180     8724184     49.16 PPBV 97       108) NAPHTHALENE     22.890     128     15541142     37.21 PPBV     89			20.021		3558456	46.29 PPBV #	64
103)       O-DICHLOROBENZENE       20.412       146       8710849       43.02       PPBV       96         104)       n-BUTYLBENZENE       20.859       134       4311237       48.34       PPBV       67         105)       HEXACHLOROETHANE       21.318       117       7025634       47.09       PPBV       94         106)       HEXACHLOROBUTADIENE       23.367       225       9570477       49.30       PPBV       95         107)       1,2,4-TRICHLOROBENZENE       23.226       180       8724184       49.16       PPBV       97         108)       NAPHTHALENE       22.890       128       15541142       37.21       PPBV       89							
104)       n-BUTYLBENZENE       20.859       134       4311237       48.34       PPBV # 67         105)       HEXACHLOROETHANE       21.318       117       7025634       47.09       PPBV 94         106)       HEXACHLOROBUTADIENE       23.367       225       9570477       49.30       PPBV 95         107)       1,2,4-TRICHLOROBENZENE       23.226       180       8724184       49.16       PPBV 97         108)       NAPHTHALENE       22.890       128       15541142       37.21       PPBV 89							
105) HEXACHLOROETHANE       21.318       117       7025634       47.09 PPBV       94         106) HEXACHLOROBUTADIENE       23.367       225       9570477       49.30 PPBV       95         107) 1,2,4-TRICHLOROBENZENE       23.226       180       8724184       49.16 PPBV       97         108) NAPHTHALENE       22.890       128       15541142       37.21 PPBV       89							
106) HEXACHLOROBUTADIENE       23.367       225       9570477       49.30 PPBV       95         107) 1,2,4-TRICHLOROBENZENE       23.226       180       8724184       49.16 PPBV       97         108) NAPHTHALENE       22.890       128       15541142       37.21 PPBV       89							
107)       1,2,4-TRICHLOROBENZENE       23.226       180       8724184       49.16       PPBV       97         108)       NAPHTHALENE       22.890       128       15541142       37.21       PPBV       89							
108) NAPHTHALENE 22.890 128 15541142 37.21 PPBV 89							

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Quant Time: Jan 09 17:10:05 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 09:18:24 2025

Response via: Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\ Data File : 5w56005.D 9 Jan 2025 Acq On 8:36 am

thomash Operator : ic2144-50 Sample

Misc : MS88386, V5W2144, , , , , 1 ALS Vial : 2 Sample Multiplier: 1

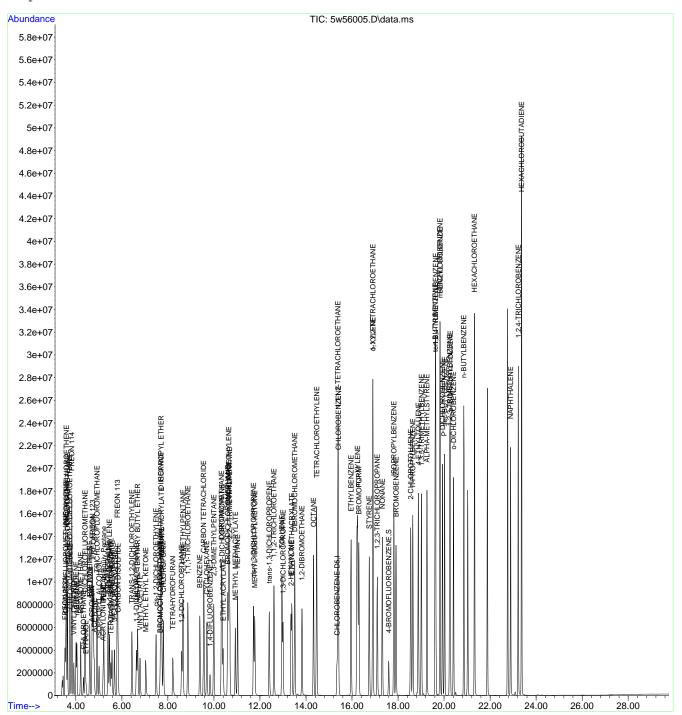
Quant Time: Jan 09 17:10:05 2025

Quant Method: C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um

QLast Update : Thu Jan 09 09:18:24 2025

Response via : Initial Calibration



M5w2144.M Fri Jan 10 09:38:38 2025

Page: 4 SGS

APPROVED (compounds with "m" flag) **Kanya Veerawat** 01/09/25 21:50

**Manual Integrations** 

Data Path : C:\msdchem\1\data\ Data File : 5w56013.D : 9 Jan 2025 3:02 pm Acq On

Operator : thomash : ic2144-0.5 Sample

Misc : MS88386,V5W2144,,,,,1 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 17:10:25 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 13:16:22 2025

Response via : Initial Calibration

Tnto	Compound							
TIICE	rnal Standards							
1)	BROMOCHLOROMETHANE	7.645	128	456086	10.00 10.00	PPBV		0.00
51)	1,4-DIFLUOROBENZENE	9.816	114	2018572	10.00	PPBV		0.00
70)	CHLOROBENZENE-D5	15.334	82	942297	10.00	PPBV		0.00
109)	BROMOCHLOROMETHANE 1,4-DIFLUOROBENZENE CHLOROBENZENE-D5 BROMOCHLOROMETHANE (A)	7.645	128	456086	10.00	PPBV	‡	‡ 0.00
Syste	em Monitoring Compounds 4-BROMOFLUOROBENZENE iked Amount 10.000							
85)	4-BROMOFLUOROBENZENE	17.580	95	1217626	10.97	PPBV		0.00
Sp:	et Compounds FREON 152A CHLORODIFLUOROMETHANE CHLOROTRIFLUOROMETHANE DICHLORODIFLUOROMETHANE PROPYLENE 1-CHLORO-1,1-DIFLUOROE. FREON 114 CHLOROMETHANE VINYL CHLORIDE 1,3-BUTADIENE n-BUTANE BROMOMETHANE CHLOROETHANE DICHLOROFLUOROMETHANE ACETONITRILE ACROLEIN FREON 123 FREON 123A TRICHLOROFLUOROMETHANE ISOPROPYL ALCOHOL ACETONE PENTANE 10DOMETHANE 1,1-DICHLOROETHYLENE CARBON DISULFIDE ETHANOL BROMOETHENE ACRYLONITRILE ACRYLONITRILE METHYLENE CHLORIDE 3-CHLOROPROPENE FREON 113 TRANS-1,2-DICHLOROETHY TERTIARY BUTYL ALCOHOL METHYL TERTIARY BUTYL TETTRAHYDROFURAN HEXANE VINYL ACETATE 1,1-DICHLOROETHANE METHYL ETHYL KETONE	Range 65	- 128	Recove	ry =	109.7	70%	
Targe	et Compounds						Qva	alue
3)	FREON 152A	3.521	65	15241	0.47	PPBV		99
4)	CHLORODIFLUOROMETHANE	3.558	67	7516	0.51	PPBV		99
5)	CHLOROTRIFLUOROETHENE	3.582	116	36308	0.48	PPBV		100
6)	DICHLORODIFLUOROMETHANE	3.631	85	76211	0.52	PPBV		99
7)	PROPYLENE	3.582	41	18531	0.51	PPBV		96
8)	1-CHLORO-1,1-DIFLUOROE	. 3.735	65	80285	0.54	PPBV		99
9)	FREON 114	3.821	85	111275	0.59	PPBV		98
10)	CHLOROMETHANE	3.754	52	10154	0.51	PPBV		96
11)	VINYL CHLORIDE	3.907	62	36603	0.55	PPBV		100
12)	1,3-BUTADIENE	4.004	54	24018	0.53	PPBV		96
13)	n-BUTANE	4.041	43	51604	0.55	PPBV	#	93
14)	BROMOMETHANE	4.206	94	38353	0.53	PPBV		96
15)	CHLOROETHANE	4.329	64	16659	0.55	PPBV		95
16)	DICHLOROFLUOROMETHANE	4.396	67	82529	0.56	PPBV		99
17)	ACETONITRILE	4.610	41	28690	0.52	PPBV		89
18)	ACROLEIN	4.702	56	14976	0.62	PPBV		99
19)	FREON 123	4.714	83	88981	0.56	PPBV		100
20)	FREON 123A	4.757	117	52204	0.58	PPBV		95
21)	TRICHLOROFLUOROMETHANE	4.916	101	99789	0.63	PPBV		99
22)	ISOPROPYL ALCOHOL	5.038	45	53360	0.61	PPBV		96
23)	ACETONE	4.824	58	15980	0.59	PPBV		92
24)	PENTANE	5.204	42	22387	0.52	PPBV		99
25)	IODOMETHANE	5.393	142	68274	0.54	PPBV		99
26)	1.1-DICHLOROETHYLENE	5.454	96	22110	0.53	PPBV		99
27)	CARBON DISULFIDE	5.828	76	63938	0.54	PPBV		98
28)	ETHANOI.	4 445	45	24515m	0.74	PPRV		, ,
29)	BROMOETHENE	4 598	106	37784	0.71	PPRV		99
30)	ACRVI.ONITRII.E	5 197	52	12681	0.33	DDRV		96
31)	METHYLENE CHLORIDE	5 564	84	22291	0.15	DDRV		97
32)	3-CHLOROPROPENE	5 668	76	9582	0.51	DDRV		85
33)	FREON 113	5 797	151	41134	0.53	DDRV		100
341	TRANG_1 2_DICHLOPOFTHY	6 427	96	22768	0.53	DDBM		98
32)	TEDTIADY DITTY ATCOUNT	5 577	50	25052	0.52	DDDM		20
33)	METHAL BUILL ALCOHOL	6 727	72	53633 E/1100	0.50	PPDV		93
27)	MEINIL IEKIIAKI BUIIL	0.747	73	34100	0.52	PPDV		93
20)	IEIRAHIDROFURAN	7 607	/ <u>Z</u>	2025	0.40	PPDV		94
30)	HEAANE	7.007	0.0	49333	0.50	PPDV	ш	10
39)	VINYL ACETATE	6.813	60	2248	0.33	PPDI	Ħ	17
40)	1,1-DICHLOROETHANE	6.623	63	40524	0.54	PPBV		98
41)	METHYL ETHYL KETONE	7.094	72	8268	0.49	PPBV		94
	cis-1,2-DICHLOROETHYLENE		96	24279		PPBV		96
	DIISOPROPYL ETHER	7.718	59	8754		PPBV		97
44)	ETHYL ACETATE	7.767	61	6023		PPBV	#	70
	METHYL ACRYLATE	7.755	55	30525m		PPBV		
45)			0.3	F 2 0 F 4	0 E 4	PPBV		0.0
45) 46)	CHLOROFORM	7.785	83	53854				90
45) 46) 47)	2,4-DIMETHYLPENTANE	8.648	57	32508	0.51	PPBV		93
45) 46) 47)					0.51 0.53			

M5w2144.M Fri Jan 10 09:38:40 2025

Page: 1

Data Path : C:\msdchem\1\data\ Data File : 5w56013.D 3:02 pm Acq On : 9 Jan 2025

Acq On Operator : thomash Sample : ic2144-0.5

Misc : MS88386,V5W2144,,,,,1 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 17:10:25 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 13:16:22 2025 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units Dev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	32842	0.54 PPBV 100
,	BENZENE	9.382		66179	0.51 PPBV 99
53)	CYCLOHEXANE	9.682	84	25254	0.49 PPBV 99
54)	2,3-DIMETHYLPENTANE	9.981	71 95 63 174 55	12636	0.48 PPBV 89
55)	TRICHLOROETHYLENE	10.636	95	34247	0.49 PPBV 95
56)	1,2-DICHLOROPROPANE	10.349	63	25751	0.49 PPBV 96
57)	DIBROMOMETHANE	10.324	174	33642	0.45 PPBV 99
58)	ETHYL ACRYLATE	10.446	55	33016	0.38 PPBV 96
	BROMODICHLOROMETHANE	10.593	83	59207	0.48 PPBV 98
60)	2,2,4-TRIMETHYLPENTANE	10.667	57 88	94646	0.50 PPBV 98
	1,4-DIOXANE	10.728	83 57 88 43	94646 15343 35336	0.49 PPBV # 1
	HEPTANE	11.015	43	35336	0.52 PPBV 98
	METHYL METHACRYLATE	10.960	69	19501 13893	0.47 PPBV # 72
	METHYL ISOBUTYL KETONE	11.835	58	13893	0.38 PPBV # 84
	cis-1,3-DICHLOROPROPENE	11.725	75 92	37941 44324	0.47 PPBV 99
	TOLUENE	12.955	92	44324	0.47 PPBV 97
	1,3-DICHLOROPROPANE		76	40416 31186	0.51 PPBV # 98
	trans-1,3-DICHLOROPROPENE		75	31186	0.40 PPBV 93
	1,1,2-TRICHLOROETHANE	12.606	83	27279	0.49 PPBV 99
	2-HEXANONE	13.407	58	19233	0.45 PPBV 92
,	ETHYL METHACRYLATE	13.407		28149 37479 60963	0.44 PPBV 92
	TETRACHLOROETHYLENE	14.454	164	37479	0.56 PPBV 99
	DIBROMOCHLOROMETHANE	13.499	129	60963	0.52 PPBV 99
	1,2-DIBROMOETHANE	13.823	107	49397 43853	0.57 PPBV 99
	OCTANE	14.325	121	43853	0.53 PPBV 98
	1,1,1,2-TETRACHLOROETHANE	15.383 15.402 15.958 16.234 16.901 16.754	131 110	41997 72039	0.53 PPBV 99
	CHLOROBENZENE	15.402	112	72039	0.55 PPBV 99
	ETHYLBENZENE	15.958	106	93974 74422	0.55 PPBV 98 1.08 PPBV 96
	m,p-XYLENE	16.234	106	74422	
	O-XYLENE STYRENE	16.901	100	37090 46145	0.33 PPBV 98 0.47 PPBV 97
	NONANE	17 204	104	46521	0.47 PPBV 97 0.55 PPBV 100
,	BROMOFORM	16.289	173	60883	0.53 PPBV 99
	1,1,2,2-TETRACHLOROETHANE			72801	0.53 PPBV 100
	1,2,3-TRICHLOROPROPANE		75	51055	0.58 PPBV 100
	ISOPROPYLBENZENE	17.812	105	51055 110859	0.54 PPBV 98
	BROMOBENZENE	17.910		57149	0.54 PPBV 99
	2-CHLOROTOLUENE	18.552		27937	0.49 PPBV 100
	n-PROPYLBENZENE	18.638		29368	
	4-ETHYLTOLUENE	18.883	105	102867	
	1,3,5-TRIMETHYLBENZENE	19.011	105	91963	0.57 PPBV 98
	ALPHA-METHYLSTYRENE	19.262		40082	0.47 PPBV 100
	tert-BUTYLBENZENE	19.605	134	19550	
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	97153	0.55 PPBV 95
	m-DICHLOROBENZENE	19.819	146	79112	0.54 PPBV 97
98)	BENZYL CHLORIDE	19.813		77001	0.47 PPBV 99
99)	p-DICHLOROBENZENE sec-BUTYLBENZENE	19.923	146	81678	0.59 PPBV 99
100)	sec-BUTYLBENZENE	20.015	134	25272	0.54 PPBV # 89
101)	1,2,3-TRIMETHYLBENZENE	20.235		97314	0.56 PPBV # 99
102)	p-ISOPROPYLTOLUENE	20.259	134	30867	0.55 PPBV 97
	o-DICHLOROBENZENE	20.406	146	81480	0.61 PPBV 99
,	n-BUTYLBENZENE	20.853	134	26648	0.50 PPBV 90
,	HEXACHLOROETHANE	21.318	117	50091	0.53 PPBV 99
	HEXACHLOROBUTADIENE	23.367		65013	0.50 PPBV 99
,		23.226		83432	0.62 PPBV 100
	NAPHTHALENE	22.890		202362	0.68 PPBV 99
		5.204		147270	0.54 PPBV 100

Data Path : C:\msdchem\1\data\ Data File : 5w56013.D Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386, V5W2144,,,,,1

ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 17:10:25 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 13:16:22 2025

Response via : Initial Calibration

R.T. QIon Response Conc Units Dev(Min) Compound

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\ Data File : 5w56013.D 9 Jan 2025 3:02 pm Acq On

Operator thomash : ic2144-0.5 Sample

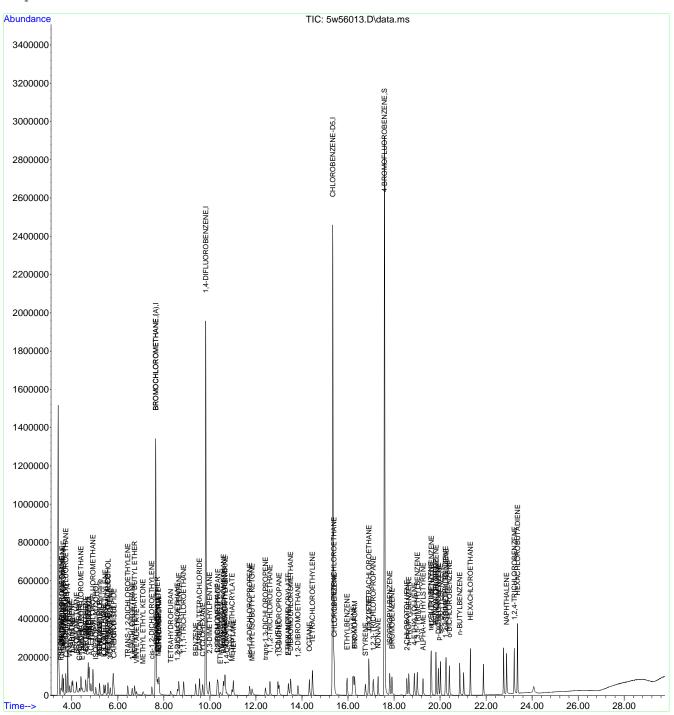
Misc : MS88386, V5W2144,,,,,1 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 17:10:25 2025

Quant Method: C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 13:16:22 2025

Response via : Initial Calibration



M5w2144.M Fri Jan 10 09:38:40 2025

# **Manual Integration Approval Summary**

Sample Number: V5W2144-IC2144 Method:

 Lab FileID:
 5W56013.D
 Analyst approved:
 01/09/25 17:26
 Thomas Hilbig

 Injection Time:
 01/09/25 15:02
 Supervisor approved:
 01/09/25 21:50
 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethanol	64-17-5		4.44	Poorly defined baseline

TO-15

SGS

Data Path : C:\msdchem\1\data\ Data File : 5w56013.D 3:02 pm Acq On 9 Jan 2025 Operator : thomash

: ic2144-0.5 Sample

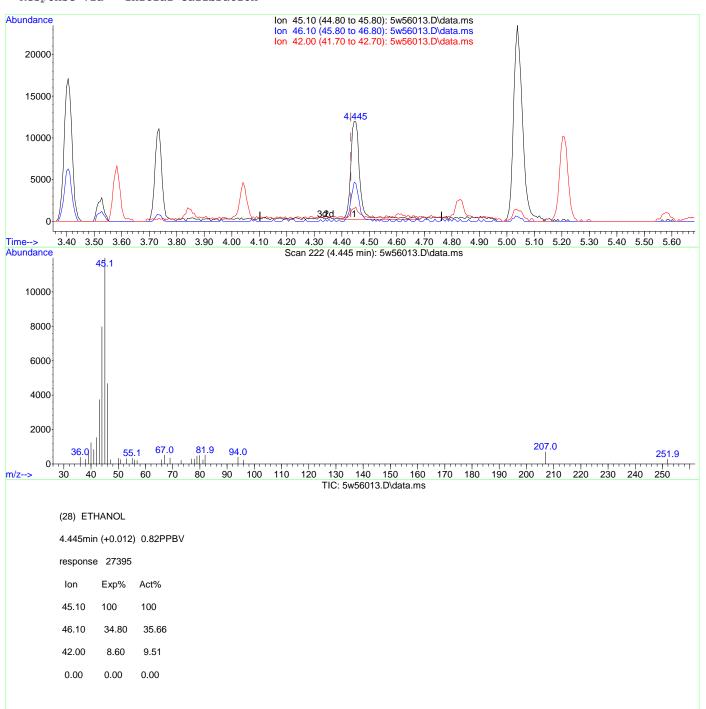
Misc : MS88386, V5W2144, , , , , 1 ALS Vial Sample Multiplier: 1 : 6

Quant Time: Jan 09 16:20:21 2025

Quant Method: C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 13:16:22 2025

Response via : Initial Calibration



Data Path : C:\msdchem\1\data\ Data File : 5w56013.D 9 Jan 2025 3:02 pm Acq On : thomash Operator

: ic2144-0.5 Sample

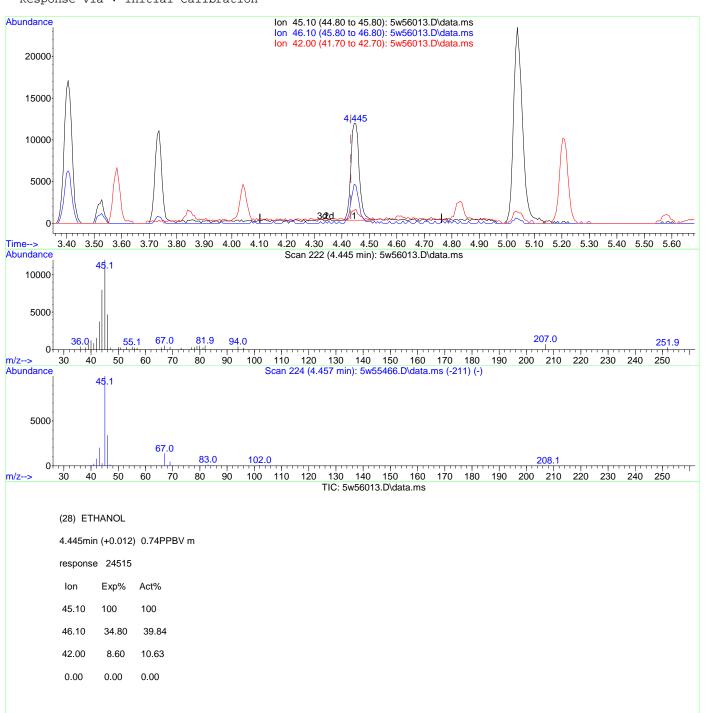
Misc : MS88386, V5W2144, , , , , 1 Sample Multiplier: 1 ALS Vial : 6

Quant Time: Jan 09 16:20:21 2025

Quant Method: C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 13:16:22 2025

Response via : Initial Calibration



Data Path : C:\msdchem\1\data\ Data File : 5w56013.D 3:02 pm Acq On 9 Jan 2025 Operator thomash

: ic2144-0.5 Sample

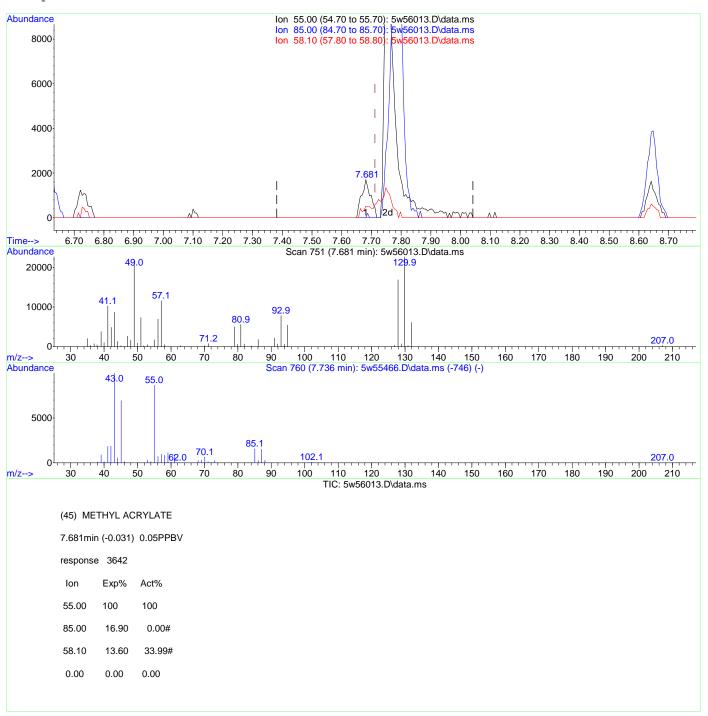
Misc : MS88386, V5W2144, , , , , 1 Sample Multiplier: 1 ALS Vial : 6

Quant Time: Jan 09 16:20:21 2025

Quant Method: C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 13:16:22 2025

Response via : Initial Calibration



M5w2144.M Thu Jan 09 16:22:11 2025

Data Path : C:\msdchem\1\data\ Data File : 5w56013.D 3:02 pm Acq On 9 Jan 2025 Operator thomash

: ic2144-0.5 Sample

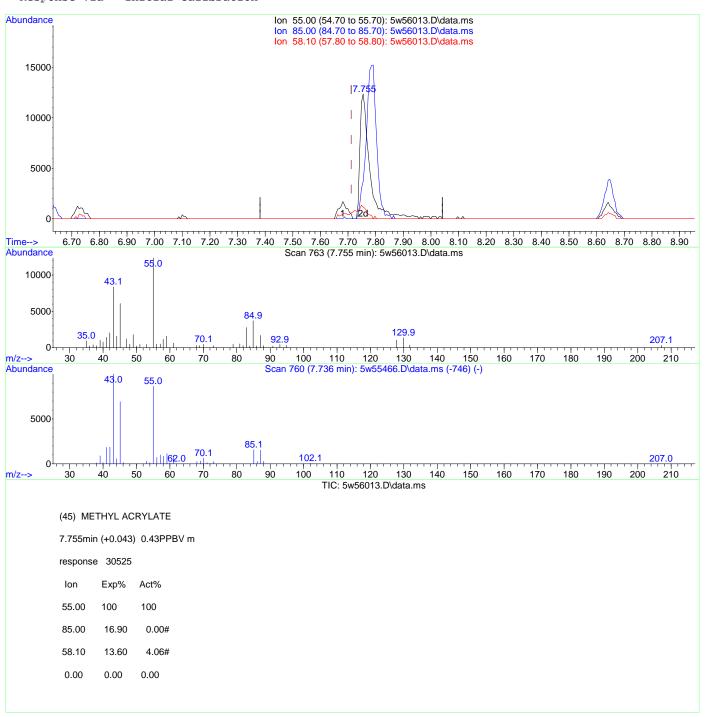
Misc : MS88386, V5W2144, , , , , 1 Sample Multiplier: 1 ALS Vial : 6

Quant Time: Jan 09 16:20:21 2025

Quant Method: C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 13:16:22 2025

Response via : Initial Calibration



Data Path : C:\msdchem\1\data\ Data File : 5w56014.D : 9 Jan 2025 3:42 pm Acq On Operator

: thomash : icv2144-10 Sample

Misc : MS88386,V5W2144,,,,,1 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 09 19:05:23 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025 Response via : Initial Calibration

-							
	Compound	R.T.	QIon	Response	Conc Ur	nits D	ev(Min)
	rnal Standards						
11111	PROMOCULOROMETUANE	7 657	120	111700	10 00	זומממ	0.00
1) 51)	BROMOCHLOROMETHANE  1,4-DIFLUOROBENZENE CHLOROBENZENE-D5 BROMOCHLOROMETHANE (A)	0 922	11/	1907166	10.00	DDDM	0.00
70)	CUI ODODENZENE	15 2/10	714	0/0100	10.00	DDDM	0.00
100)	DDOMOCUI ODOMETUANE (A)	7 657	120	111700	10.00	DDDM	# 0.00
109)	BROMOCHLOROMETHANE (A)	7.057	120	414/99	10.00	PPDV	# 0.00
Syst	em Monitorina Compounds						
85)	em Monitoring Compounds 4-BROMOFLUOROBENZENE	17.586	95	1154701	10.34	PPBV	0.00
Sp	iked Amount 10.000	Range 65	- 128	Recove	rv =	103.4	0.00 0%
~1					- 2		
Targ	et Compounds FREON 152A CHLORODIFLUOROMETHANE CHLOROTRIFLUOROMETHANE DICHLORODIFLUOROMETHANE PROPYLENE 1-CHLORO-1,1-DIFLUOROE FREON 114 CHLOROMETHANE VINYL CHLORIDE 1,3-BUTADIENE n-BUTANE BROMOMETHANE CHLOROFLUOROMETHANE ACETONITRILE ACROLEIN FREON 123 FREON 123A TRICHLOROFLUOROMETHANE ISOPROPYL ALCOHOL ACETONE PENTANE IODOMETHANE 1,1-DICHLOROETHYLENE CARBON DISULFIDE ETHANOL BROMOETHENE ACRYLONITRILE METHYLENE CHLORIDE 3-CHLOROPROPENE FREON 113 TRANS-1,2-DICHLOROETHY TERTIARY BUTYL ALCOHOL METHYL TERTIARY BUTYL TETTRAHYDROFURAN HEXANE VINYL ACETATE 1,1-DICHLOROETHANE METHYL ETHYL KETONE					(	Qvalue
3)	FREON 152A	3.527	65	289227	9.84	PPBV	99
4)	CHLORODIFLUOROMETHANE	3.564	67	145482	10.90	PPBV	97
5)	CHLOROTRIFLUOROETHENE	3.588	116	717923	10.55	PPBV	99
6)	DICHLORODIFLUOROMETHANE	3.637	85	1428178	10.81	PPBV	99
7)	PROPYLENE	3.582	41	351523	10.58	PPBV	100
8)	1-CHLORO-1,1-DIFLUOROE	. 3.741	65	1452477	10.82	PPBV	100
9)	FREON 114	3.827	85	1964258	11.42	PPBV	100
10)	CHLOROMETHANE	3.754	52	183601	10.15	PPBV	96
11)	VINYL CHLORIDE	3.913	62	635896	10.39	PPBV	99
12)	1,3-BUTADIENE	4.010	54	433278	10.58	PPBV	99
13)	n-BUTANE	4.047	43	884387	10.31	PPBV	100
14)	BROMOMETHANE	4.212	94 64	6/9544	10.33	PPD77	100
15)	CHLORUETHANE	4.335	67	2/05/2 1//05/1	10.00	DDD11	100
17)	DICHLOROF LOOKOME I HANE	4.402	0 / // 1	E100E2	10.75	DDD11	100
1Ω\	ACETONITETE ACDOT ETN	4.556	56 41	226707	10.20	DDDM	100
10)	FDFON 192	4.090	20	150/2/2	10.75	DDDM	99
20)	FDFON 123	4 757	117	832752	10.39	DDBM	90
21)	TRICHLOROFIJIOROMETHANE	4 922	101	1628930	11 20	PPRV	100
22)	TSOPROPYL ALCOHOL	5.008	45	795358	10.35	PPBV	99
23)	ACETONE	4.800	58	241144	9.76	PPBV	100
24)	PENTANE	5.210	42	405457	10.44	PPBV	99
25 )	IODOMETHANE	5.399	142	1277549	11.15	PPBV	100
26)	1,1-DICHLOROETHYLENE	5.460	96	402593	10.54	PPBV	100
27)	CARBON DISULFIDE	5.834	76	1232259	11.53	PPBV	100
28)	ETHANOL	4.433	45	262756	8.81	PPBV	99
29)	BROMOETHENE	4.598	106	663348	10.65	PPBV	99
30)	ACRYLONITRILE	5.185	52	243515	10.51	PPBV	99
31)	METHYLENE CHLORIDE	5.570	84	381826	10.16	PPBV	100
32)	3-CHLOROPROPENE	5.674	76	186992	11.37	PPBV	98
33)	FREON 113	5.797	151	758044	10.68	PPB11	100
34)	TRANS-1, Z-DICHLOROETHY	. 6.433	96	430829	10.75	PPD77	100
35)	TERTIARY BUTYL ALCOHOL	5.522	59	758894	11./3	DDD74	100
30) 27)	METHYL TERTIARY BUTYL	. 6.690	73	107570	11.00	DDDM PPBA	T00
301	TETRATIDROFORAN UFYNNF	7 697	7 Z	500016	11 00	DDDM	100
301	TEXANE	6 799	96	779210	12.00	PPDV	100
40 N	1,1-DICHLOROETHANE	6 629	63	736903	10.78	DDBM	99
41)	METHYL ETHYL KETONE	7.039	72	191185	12.50	PPRV	99
42)	cis-1,2-DICHLOROETHYLENE	7.479	96	452352	10.39	PPRV	99
	DIISOPROPYL ETHER	7.699	59	182415	11.28		99
,	ETHYL ACETATE	7.730	61	138032		PPBV :	
	METHYL ACRYLATE	7.718	55	768621	11.94		99
	CHLOROFORM	7.797	83	1013419	11.10		100
	2,4-DIMETHYLPENTANE	8.648	57	693520	11.91		100
	1,1,1-TRICHLOROETHANE	8.862	97	1057653	11.19		100
49)	CARBON TETRACHLORIDE	9.553	117	1154512	11.07	PPBV	99

M5w2144.M Fri Jan 10 09:38:43 2025

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Data Path : C:\msdchem\1\data\ Data File : 5w56014.D : 9 Jan 2025 3:42 pm Acq On Operator

: thomash : icv2144-10 Sample

Misc : MS88386,V5W2144,,,,,1 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 09 19:05:23 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units Dev(Min)
50)	1,2-DICHLOROETHANE	8.593	62	632294	11.36 PPBV 100
	BENZENE	9.382	78	1307052	11.20 PPBV 99
53)	CYCLOHEXANE	9.688	84	521326	11.45 PPBV 99
54)	2,3-DIMETHYLPENTANE	9.987	71	263997 639549	11.29 PPBV 100
	TRICHLOROETHYLENE	10.642	95	639549	10.27 PPBV 100
56)	1,2-DICHLOROPROPANE	10.348	63	487681	10.40 PPBV 99
57)	DIBROMOMETHANE	10.324	174	668080	9.97 PPBV 99
	ETHYL ACRYLATE	10.397	55	918706	11.94 PPBV 100
	BROMODICHLOROMETHANE	10.593	83	1165557	10.59 PPBV 100
	2,2,4-TRIMETHYLPENTANE	10.673	57	1912600	11.40 PPBV 100
	1,4-DIOXANE	10.660	88	300368	10.89 PPBV # 58
	HEPTANE	11.015	43	721875	11.79 PPBV 99
	METHYL METHACRYLATE	10.923	69	458096 379009	12.41 PPBV 100
	METHYL ISOBUTYL KETONE	11.780	58		11.86 PPBV 100
	cis-1,3-DICHLOROPROPENE	11.719	75 92	802724	11.11 PPBV 99
	TOLUENE	12.955		957244	11.35 PPBV 100
	1,3-DICHLOROPROPANE	12.997		818803	11.63 PPBV # 100
	trans-1,3-DICHLOROPROPENE	12.398	75	767637	10.99 PPBV 99
	1,1,2-TRICHLOROETHANE 2-HEXANONE	12.600 13.346	83 58	554950 551156	11.21 PPBV 100 12.98 PPBV 99
	ETHYL METHACRYLATE	13.340	69	831857	12.90 PPBV 99
	TETRACHLOROETHYLENE	14.460	164	756429	11.31 PPBV 100
	DIBROMOCHLOROMETHANE	13.499		1377497	11.76 PPBV 100
	1,2-DIBROMOETHANE	13.817	107	1065269	12.21 PPBV 100
	OCTANE	14.319	43	1054891	12.69 PPBV 100
		15.383	131	890077	11.28 PPBV 100
	CHLOROBENZENE	15.402		1445763	11.08 PPBV 100
	ETHYLBENZENE	15.952	91	2201691	12.75 PPBV 99
,	m,p-XYLENE	16.228		1741866	25.17 PPBV 99
	O-XYLENE	16.894		860563	12.79 PPBV 99
82)	STYRENE	16.741	104	1291901	13.17 PPBV 100
83)	NONANE	17.304	43	1118648	13.08 PPBV 100
84)	BROMOFORM	16.283	173	1378793	12.04 PPBV 100
86)	1,1,2,2-TETRACHLOROETHANE	16.900	83	1537996	11.97 PPBV 100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	1008586	11.45 PPBV 100
	ISOPROPYLBENZENE	17.806	105	2517153	12.22 PPBV 100
	BROMOBENZENE	17.904	77	1216902	11.51 PPBV 100
	2-CHLOROTOLUENE	18.540	126	686676	12.07 PPBV 100
	n-PROPYLBENZENE	18.632	120	706248	12.87 PPBV 100
,	4-ETHYLTOLUENE	18.876	105	2534679	12.99 PPBV 99
	1,3,5-TRIMETHYLBENZENE	19.005	105	2112295	13.16 PPBV 99
	ALPHA-METHYLSTYRENE	19.250	118	1064001	12.38 PPBV 100
	tert-BUTYLBENZENE	19.611	134	510851	12.98 PPBV 99
	1,2,4-TRIMETHYLBENZENE	19.623 19.813	105 146	2316065	13.25 PPBV 100 11.91 PPBV 100
	m-DICHLOROBENZENE BENZYL CHLORIDE	19.813	91	1729853 2252446	11.91 PPBV 100 13.17 PPBV 100
	p-DICHLOROBENZENE	19.916	146		12.10 PPBV 99
	sec-BUTYLBENZENE	20.014	134	604242	12.10 FFBV 33
,	1,2,3-TRIMETHYLBENZENE			2267786	
	p-ISOPROPYLTOLUENE	20.259	134	717149	12.85 PPBV 98
	o-DICHLOROBENZENE	20.400	146	1565945	11.81 PPBV 100
	n-BUTYLBENZENE	20.852	134	689513	13.05 PPBV 100
	HEXACHLOROETHANE	21.311	117	1088044	11.50 PPBV 99
	HEXACHLOROBUTADIENE	23.349	225	1542754	12.08 PPBV 100
	1,2,4-TRICHLOROBENZENE	23.208		1456412	11.83 PPBV 99
108)	NAPHTHALENE	22.865	128	3623116	13.66 PPBV 100
	TVHC as equiv Pentane	5.210	TIC	2587203	10.65 PPBV 100

Data Path : C:\msdchem\1\data\ Data File : 5w56014.D : 9 Jan 2025 3:42 pm Acq On

Acq On : 9 Jan 2025 3:42 pm Operator : thomash Sample : icv2144-10 Misc : MS88386, V5W2144,,,,,1 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 09 19:05:23 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025

Response via: Initial Calibration

R.T. QIon Response Conc Units Dev(Min) Compound

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\ Data File : 5w56014.D 9 Jan 2025 Acq On 3:42 pm

thomash Operator : icv2144-10 Sample

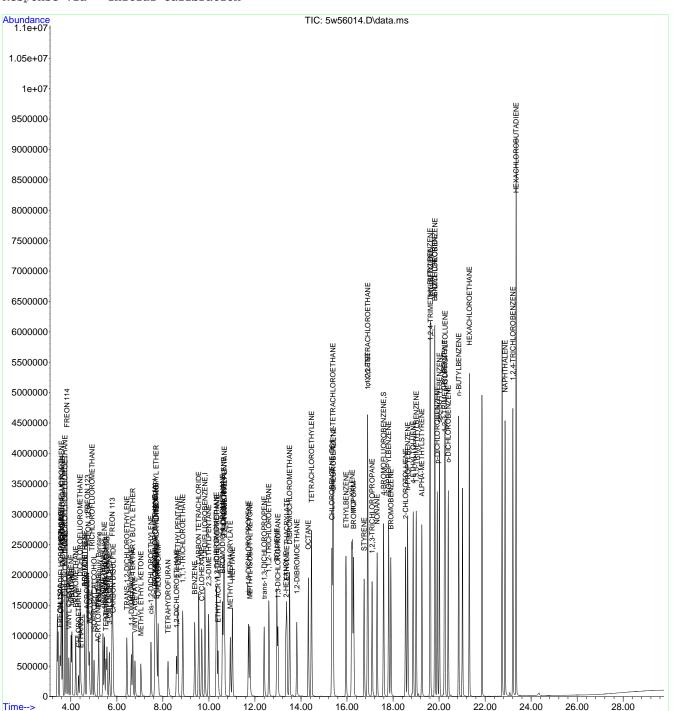
Misc : MS88386, V5W2144,,,,,1 ALS Vial Sample Multiplier: 1

Quant Time: Jan 09 19:05:23 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025

Response via : Initial Calibration



M5w2144.M Fri Jan 10 09:38:43 2025

Data Path : X:\Dayton VOA GCMS\luckyc\04 Feb 2025\v5w2168\

Data File : 5w56585.D

Inst : GCMS5W

Acq On : 3 Feb 2025 10:27 am

Operator : williamc

Sample : cc2144-10

Misc : MS89211,V5W2168,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 05:54:12 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units Dev(Min)
Internal Standards				
1) BROMOCHLOROMETHANE	7.651	128	416335	10.00 PPBV 0.00
1) BROMOCHLOROMETHANE 51) 1,4-DIFLUOROBENZENE 70) CHLOROBENZENE-D5	9.816	114	1897963	10.00 PPBV 0.00
70) CHLOROBENZENE-D5	15.334	82	1000547	10.00 PPBV 0.00
109) BROMOCHLOROMETHANE (A)	7.651	128	416335	10.00 PPBV # 0.00
System Monitoring Compounds				
System Monitoring Compounds 85) 4-BROMOFLUOROBENZENE	17.580	95	1284620	10.90 PPBV 0.00
Spiked Amount 10.000 1	Range 65	- 128	Recove	ery = 109.00%
Target Compounds  3) FREON 152A  4) CHLORODIFLUOROMETHANE 5) CHLOROTRIFLUOROMETHANE 6) DICHLORODIFLUOROMETHANE 7) PROPYLENE 8) 1-CHLORO-1,1-DIFLUOROE. 9) FREON 114 10) CHLOROMETHANE 11) VINYL CHLORIDE 12) 1,3-BUTADIENE 13) n-BUTANE 14) BROMOMETHANE 15) CHLOROETHANE 16) DICHLOROFLUOROMETHANE 17) ACETONITRILE 18) ACROLEIN 19) FREON 123 20) FREON 123 20) FREON 123 21) TRICHLOROFLUOROMETHANE 22) ISOPROPYL ALCOHOL 23) ACETONE 24) PENTANE 25) IODOMETHANE 26) 1,1-DICHLOROETHYLENE 27) CARBON DISULFIDE 28) ETHANOL 29) BROMOETHENE 30) ACRYLONITRILE 31) METHYLENE CHLORIDE 32) 3-CHLOROPROPENE 33) FREON 113 34) TRANS-1,2-DICHLOROETHY 35) TERTIARY BUTYL ALCOHOL 36) METHYL TERTIARY BUTYL . 37) TETRAHYDROFURAN 38) HEXANE 39) VINYL ACETATE 40) 1,1-DICHLOROETHANE 41) METHYL ETHYL KETONE 42) Cis-1,2-DICHLOROETHYLENE				Qvalue
3) FREON 152A	3.527 3.564	65	301936	10.2374 PPBV 100 11.9529 PPBV 98
4) CHLORODIFLUOROMETHANE	3.564	67	160197	11.9529 PPBV 98
5) CHLOROTRIFLUOROETHENE	3.588	116	818942	11.9924 PPBV 96
7) DEODY ENE	3.03/	85 41	1031598 261020	12.3081 PPBV 99 10.8498 PPBV 97
8) 1_CHI.ODO_1 1_DIFI.IIODOF	3.362	65	1493820	11.0843 PPBV 99
9) FREON 114	3 827	85	1828768	10.5955 PPBV 96
10) CHLOROMETHANE	3.754	52	159389	8.7785 PPBV 95
11) VINYL CHLORIDE	3.913	62	547419	8.9135 PPBV 100
12) 1,3-BUTADIENE	4.011	54	358202	8.7130 PPBV 88
13) n-BUTANE	4.047	43	718422	8.3473 PPBV 98
14) BROMOMETHANE	4.212	94	625537	9.4731 PPBV 99
15) CHLOROETHANE	4.335	64	225209	8.1154 PPBV 96
16) DICHLOROFLUOROMETHANE	4.402	67	1264834	9.4056 PPBV 99
17) ACETONITRILE	4.598	41	389588	7.7925 PPBV 96
18) ACROLEIN	4.696	56	181804	8.2264 PPBV 97
19) FREUN 123	4.714	83 117	1355430	9.3302 PPBV 98 10.1517 PPBV 78
20) FREON 123A	4.757	101	1007751	10.1517 PPBV 76 12.9317 PPBV 99
22) ISOPROPYL ALCOHOL	5 008	45	807653	10.4725 PPBV 100
23) ACETONE	4.800	58	199354	8.0400 PPBV # 79
24) PENTANE	5.210	42	381590	9.7863 PPBV 99
25) IODOMETHANE	5.399	142	1399679	12.1676 PPBV 94
26) 1,1-DICHLOROETHYLENE	5.460	96	436531	11.3875 PPBV 91
27) CARBON DISULFIDE	5.827	76	1204513	11.2249 PPBV 98
28) ETHANOL	4.433	45	238067	7.9507 PPBV 99
29) BROMOETHENE	4.598	106	590468	9.4420 PPBV 94
30) ACRYLONITRILE	5.179	52	234544	10.0818 PPBV 98
31) METHYLENE CHLORIDE	5.571	84	384865	10.2034 PPBV 97 11.7338 PPBV 95
32) 3-CHLOROPROPENE 32) FDFON 112	5.0/5	76 151	193724 725016	10.1913 PPBV 86
34) TRANS-1 2-DICHLOROFTHY	6 427	96	455597	11.3300 PPBV 93
35) TERTIARY BUTYL ALCOHOL	5 522	59	690952	10.6399 PPBV 99
36) METHYL TERTIARY BUTYL	. 6.684	73	1119488	11.7203 PPBV 98
37) TETRAHYDROFURAN	8.219	72	185407	12.2215 PPBV 99
38) HEXANE	7.681	57	580121	10.6905 PPBV 98
39) VINYL ACETATE	6.788	86	78736	12.8333 PPBV 98
40) 1,1-DICHLOROETHANE	6.629	63	740132	10.7895 PPBV 99
41) METHYL ETHYL KETONE	7.033	72	191538	12.4739 PPBV 92
42) cis-1,2-DICHLOROETHYLENE	7.479	96	485295	11.1037 PPBV 94
43) DIISOPROPYL ETHER	7.693	59	178791	11.0193 PPBV 98
44) ETHYL ACETATE	7.730	61	131811	11.3730 PPBV # 81
45) METHYL ACRYLATE	7.712	55 93	759515	11.7501 PPBV 99
46) CHLOROFORM	7.791	83 57	1053532	11.5000 PPBV 99
47) 2,4-DIMETHYLPENTANE 48) 1,1,1-TRICHLOROETHANE	8.648 8.856	57 97	658897 1151667	11.2725 PPBV 99 12.1397 PPBV 98
49) CARBON TETRACHLORIDE	9.547	117	1306550	12.1397 PPBV 98
,	,			,

M5w2144.M Tue Feb 04 05:55:23 2025

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Data Path : X:\Dayton VOA GCMS\luckyc\04 Feb 2025\v5w2168\

Data File : 5w56585.D

: 3 Feb 2025 10:27 am Acq On

Inst : GCMS5W

Acq On : 5 FED 2025
Operator : williamc
Sample : cc2144-10
Misc : MS89211,V5W2168,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 05:54:12 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units Dev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	663732	11.8821 PPBV 100
	BENZENE	9.382	78	1311833	10.7043 PPBV 99
,	CYCLOHEXANE	9.682	84	520673	10.8840 PPBV 97
	2,3-DIMETHYLPENTANE	9.981	71	259075	10.5479 PPBV 99
,	TRICHLOROETHYLENE	10.636	95	704497	10.7739 PPBV 95
	1,2-DICHLOROPROPANE	10.342	63	469492	9.5288 PPBV 94
	DIBROMOMETHANE	10.318	174	569548	8.0894 PPBV 79
	ETHYL ACRYLATE	10.397	55	921006	11.4013 PPBV 99
59)	BROMODICHLOROMETHANE	10.587	83	1261349	10.9080 PPBV 99
	2,2,4-TRIMETHYLPENTANE	10.667	57	1854759	10.5261 PPBV 99
	1,4-DIOXANE	10.648	88	331472	11.4420 PPBV # 67
62)	HEPTANE	11.015	43	701413	10.9084 PPBV 99
63)	METHYL METHACRYLATE	10.924	69	463701	11.9620 PPBV 97
64)	METHYL ISOBUTYL KETONE	11.768	58	367459	10.9513 PPBV 92
	cis-1,3-DICHLOROPROPENE	11.713	75	864417	11.3874 PPBV 99
66)	TOLUENE	12.948	92	967835	10.9241 PPBV 98
67)	1,3-DICHLOROPROPANE	12.991	76	829542	11.2191 PPBV # 100
	trans-1,3-DICHLOROPROPENE	12.392	75	799286	10.8923 PPBV 99
69)	1,1,2-TRICHLOROETHANE	12.600	83	562959	10.8322 PPBV 99
71)	2-HEXANONE	13.340	58	539455	12.0375 PPBV 94
72)	ETHYL METHACRYLATE	13.377	69	811207	11.9444 PPBV 100
	TETRACHLOROETHYLENE	14.453	164	681195	9.6561 PPBV 87
	DIBROMOCHLOROMETHANE	13.499	129	1510083	12.2138 PPBV 100
	1,2-DIBROMOETHANE	13.811	107	1183221	12.8575 PPBV 98
76)	OCTANE	14.319	43	1033190	11.7810 PPBV 99
77)	1,1,1,2-TETRACHLOROETHANE	15.377	131	946246	11.3669 PPBV 96
	CHLOROBENZENE	15.396	112	1483447	10.7753 PPBV 99
	ETHYLBENZENE	15.946	91	2307201	12.6609 PPBV 99
80)	m,p-XYLENE	16.221	106	1796394	24.6032 PPBV 99
	O-XYLENE	16.888	106	894625	12.5984 PPBV 99
82)	STYRENE	16.741	104	1380185	13.3323 PPBV 98
83)	NONANE	17.298	43	1116083	12.3681 PPBV 100
84)	BROMOFORM	16.276	173	1255133	10.3842 PPBV 99
86)	1,1,2,2-TETRACHLOROETHANE	16.894	83	1594686	11.7638 PPBV 100
87)	1,2,3-TRICHLOROPROPANE	17.084	75	1004022	10.8042 PPBV 94
88)	ISOPROPYLBENZENE	17.800	105	2608412	11.9987 PPBV 99
89)	BROMOBENZENE	17.898	77	1239390	11.1133 PPBV 93
90)	2-CHLOROTOLUENE	18.534	126	736694	12.2677 PPBV 99
91)	n-PROPYLBENZENE	18.626	120	752381	12.9941 PPBV 99
92)	4-ETHYLTOLUENE	18.870	105	2660876	12.9210 PPBV 98
93)	1,3,5-TRIMETHYLBENZENE	18.999	105	2202003	13.0020 PPBV 98
94)	ALPHA-METHYLSTYRENE	19.244	118	1145709	12.6283 PPBV 97
95)	tert-BUTYLBENZENE	19.605	134	516767	12.4397 PPBV 95
96)	1,2,4-TRIMETHYLBENZENE	19.617	105	2405949	13.0452 PPBV 99
97)	m-DICHLOROBENZENE	19.806	146	1708644	11.1495 PPBV 99
98)	BENZYL CHLORIDE	19.800	91	2236382	12.3951 PPBV 99
99)	p-DICHLOROBENZENE	19.910	146	1681229	11.6671 PPBV 99
100)	sec-BUTYLBENZENE	20.008	134	620122	12.4871 PPBV 99
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	2350350	12.9518 PPBV # 98
102)	p-ISOPROPYLTOLUENE	20.253	134	729120	12.3763 PPBV 95
103)	o-DICHLOROBENZENE	20.394	146	1588205	11.3514 PPBV 99
	n-BUTYLBENZENE	20.846	134	712823	12.7807 PPBV 95
	HEXACHLOROETHANE	21.305	117	1331955	13.3369 PPBV # 86
106)	HEXACHLOROBUTADIENE	23.342	225	1050093	7.7936 PPBV 98
107)	1,2,4-TRICHLOROBENZENE	23.202	180	1227786	9.4513 PPBV 95
108)	NAPHTHALENE	22.859	128	3806510	13.6047 PPBV 99
110)	TVHC as equiv Pentane	5.210	TIC	2542067	10.4268 PPBV 100

M5w2144.M Tue Feb 04 05:55:23 2025

Data Path : X:\Dayton VOA GCMS\luckyc\04 Feb 2025\v5w2168\

Data File : 5w56585.D

Inst : GCMS5W

Acq On : 3 Feb 2025 10:27 am

Operator : williamc

Sample : cc2144-10

Misc : MS89211,V5W2168,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 05:54:12 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : To15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025

Response via : Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : X:\Dayton VOA GCMS\luckyc\04 Feb 2025\v5w2168\

Data File: 5w56585.D

3 Feb 2025 10:27 am Acq On

: williamc Operator

: cc2144-10 : GCMS5W Sample Inst

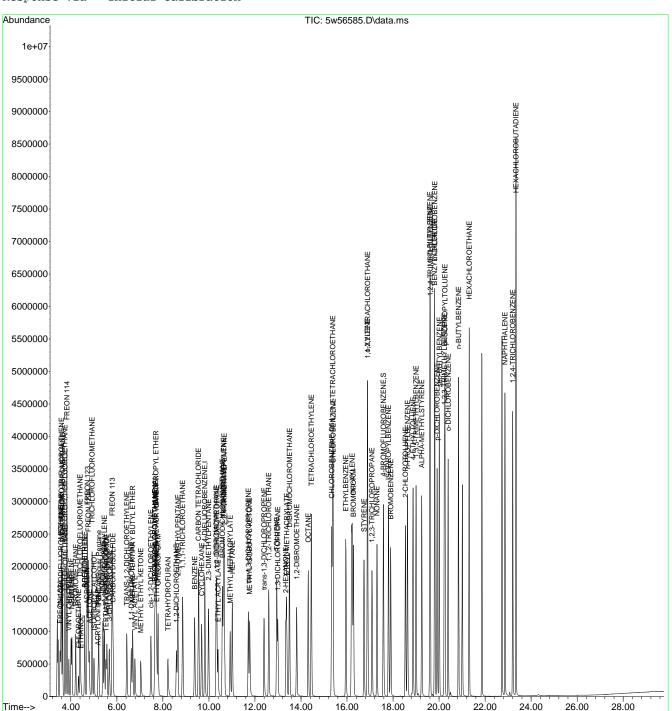
Misc : MS89211,V5W2168,,,,,1 Sample Multiplier: 1 ALS Vial

Quant Time: Feb 04 05:54:12 2025

Quant Method : C:\msdchem\1\methods\M5w2144.M

Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um QLast Update : Thu Jan 09 19:02:22 2025

Response via : Initial Calibration



M5w2144.M Tue Feb 04 05:55:24 2025

APPROVED (compounds with "m" flag) Kanya Veerawat 12/30/24 00:15

**Manual Integrations** 

Data Path : C:\msdchem\1\data\7w\ Data File : 7w11233.D Acq On : 28 Dec 2024 9:16 am

Operator : benk Sample : ic405-0.04

Misc : MS74014, v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 06:12:48 2024

QLast Update : Sun Dec 29 06:12:48 2 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units D	ev(Min)
Internal Standards					
1) BROMOCHLOROMETHANE	3.223	128	135115	10.00 PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.490	114	681342	10.00 PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	623287	10.00 PPBV	0.00
1) BROMOCHLOROMETHANE 52) 1,4-DIFLUOROBENZENE 76) CHLOROBENZENE-D5 109) BROMOCHLOROMETHANE (A)	3.223	128	135115	10.00 PPBV	0.00
System Monitoring Compounds 87) 4-BROMOFLUOROBENZENE	13.383	95	446738	9.86 PPBV	0.00
Target Compounds  2) FREON 115  3) FREON 152A  4) CHLORODIFLUOROMETHANE 5) CHLOROTRIFLUOROMETHANE 6) DICHLORODIFLUOROMETHANE 7) PROPYLENE 8) 1-CHLORO-1,1-DIFLUOROE 9) FREON 114 10) CHLOROMETHANE 11) VINYL CHLORIDE 12) 1,3-BUTADIENE 13) N-BUTANE 14) BROMOMETHANE 15) CHLOROFLUOROMETHANE 16) DICHLOROFLUOROMETHANE 17) ACETONITRILE 18) ACROLEIN 19) FREON 123 20) FREON 123 20) FREON 123A 21) TRICHLOROFLUOROMETHANE 22) ISOPROPYL ALCOHOL 23) ACETONE 24) PENTANE 25) IODOMETHANE 26) 1,1-DICHLOROETHYLENE 27) CARBON DISULFIDE 28) ETHANOL 29) BROMOETHENE 30) ACRYLONITRILE 31) METHYLENE CHLORIDE 32) 3-CHLOROPROPENE 33) FREON 113 34) TRANS-1,2-DICHLOROETHENE 35) TERTIARY BUTYL ALCOHOL 36) METHYL TERTIARY BUTYL 37) TETRAHYDROFURAN 38) HEXANE 39) VINYL ACETATE 40) 1,1-DICHLOROETHANE 41) METHYL ETHYL KETONE					Ovalue
2) FREON 115	1.596	119	481	0.04 PPBV	97
3) FREON 152A	1.628	65	207m	0.03 PPBV	
4) CHLORODIFILIOROMETHANE	1 638	67	132	0.03 PPBV	# 40
5) CHIOROTRIFILIOROFTHENE	1 650	116	547	0.01 11BV	98
6) DICHLORODIFILIOROMETHANE	1 666	85	1186	0.03 PPBV	# 87
7) PROPYLENE	1 650	41	502	0.05 TIBV	# 60
8) 1_CHI.OPO_1 1_DIFI.IIOPOF	1 702	65	979	0.00 IIDV	# 71
9) FPFON 114	1 737	85	987	0.04 FFBV	π /1
10) CHIODOMETHANE	1 711	52	181	0.04 FFBV	9.1
11) VINVI CHLODIDE	1 773	62	372	0.03 FFBV	# 81
12) 1 2_DITTADTENT	1 909	5/1	505	0.03 FFDV	# 22
12 \ N_DITTAND	1 924	13	1027	0.07 FFBV	# 44 # 1
1/ DDOMOMETUNNE	1 024	0.1	1027	0.00 PPBV	# £1
15) CUI ODOFTUANE	1 002	61	271	0.03 FFBV	# 01 05
16) DICUI ODORI HODOMETUNIE	1 050	67	271	17000 PD 0	95
17) ACETONITE IT	2 027	// 1	415m	0.04 FFBV	93
10) ACEIONIKIDE	2.027	56	220m	0.04 FFBV	
10) ACROLLIN	2.002	00	1077	0.03 FFBV	9.0
19) FREON 123	2.072	117	665	0.04 PPBV	0.9
20) PREON 123A 21) TOTCUI ODORI IIODOMETUNNE	2.091	101	003	0.04 FFBV	# 9/
22) ISODPODVI. ALCOHOL.	2.133	45	1113	0.03 FFBV	# 64
22) ISOFROFIL ALCOHOL	2.107	<u>-1</u> 3	102	0.04 FEDV	π 01 Ω2
24) DENTANE	2 271	42	550	0.07 FFBV	# 43
25) IODOMETHANE	2 332	142	957	0.03 TIBV	95
26) 1 1-DICHLOROETHVIENE	2 358	96	627	0.05 TIBV	# 63
27) CAPRON DIGILIFIDE	2 490	76	1027	0.00 IIDV	# 66
28) FTHANOL	1 966	45	1506	0.03 FFBV	т 00
29) BROMOETHENE	2 030	106	456	0.14 FFBV	# 96
30) ACRYLONITRILE	2 239	52	746	0.01 11BV	# 70
31) METHVIENE CHIOPIDE	2 396	84	1398	0.00 IIDV	π 70
32) 3-CHLOROPROPENE	2 435	76	208	0.12 FFBV	# 25
33) FREON 113	2 490	151	596	0.01 11BV	91
34) TRANS-1 2-DICHLOROETHENE	2 721	96	582	0.05 TIBV	# 66
35) TERTIARY RUTYL ALCOHOL.	2 400	59	999	0.03 TIBV	# 29
36) METHYL TEPTIARY BUTTYL.	2.400	73	1395	0.03 FFBV	# 49
37) TETRIL TERTIART BOTTE	3 544	73	121	0.04 FFDV	# 1
38) HEVANE	3 281	57	1034	0.02 FFBV	π <u>τ</u>
30) MINVI ACETATE	2 959	96	1034	0.03 FEDV	# 1
40) 1,1-DICHLOROETHANE	2.789	63	752	0.03 PPBV	# 70
41) METHYL ETHYL KETONE	2.769	72	186	0.03 PPBV	# 1
42) CIS-1,2-DICHLOROETHENE 43) DIISOPROPYL ETHER	3.149 3.287	96 59	425 224	0.03 PPBV 0.04 PPBV	94 89
44) ETHYL ACETATE	3.303	61	143	0.04 PPBV 0.03 PPBV	
· · · · · · · · · · · · · · · · · · ·		55	833	0.03 PPBV 0.03 PPBV	
45) METHYL ACRYLATE	3.281				
46) CHLOROFORM	3.293	83 57	952 1020	0.04 PPBV	95 92
47) 2,4-DIMETHYLPENTANE	3.782	57 97	1020	0.04 PPBV	92
48) 1,1,1-TRICHLOROETHANE	3.866	97 117	955 740	0.04 PPBV	92 97
49) CARBON TETRACHLORIDE	4.284	117	740	0.03 PPBV	97

M7W405.M Mon Dec 30 13:58:54 2024

Page: 1

Data Path :  $C:\msdchem\1\data\7w\$ Data File : 7w11233.D Acq On : 28 Dec 2024 9:16 an Operator : benk Sample : ic405-0.04 Ms74014, v7w405,,,,,1 9:16 am

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration

					Conc Units I	
50)	1,2-DICHLOROETHANE BENZENE CYCLOHEXANE 2,3-DIMETHYLPENTANE TRICHLOROETHENE 1,2-DICHLOROPROPANE DIBROMOMETHANE ETHYL ACRYLATE BROMODICHLOROMETHANE 2,2,4-TRIMETHYLPENTANE 1,4-DIOXANE HEPTANE METHYL METHACRYLATE METHYL ISOBUTYL KETONE CIS-1,3-DICHLOROPROPENE TOLUENE 1,3-DICHLOROPROPANE TRANS-1,3-DICHLOROPROPENE 1,1,2-TRICHLOROETHANE 2-HEXANONE ETHYL METHACRYLATE TETRACHLOROETHENE DIBROMOCHLOROMETHANE 1,2-DIBROMOETHANE	3.702	 62	665	0.04 PPBV	# 91
51)	BENZENE	4.174	78	1541	0.04 PPBV	97
53)	CYCLOHEXANE	4.371	84	625	0.04 PPBV	# 75
54)	2,3-DIMETHYLPENTANE	4.628	71	389	0.05 PPBV	# 97
55)	TRICHLOROETHENE	5.062	95	555	0.03 PPBV	96
56)	1,2-DICHLOROPROPANE	4.827	63	530	0.04 PPBV	# 83
57)	DIBROMOMETHANE	4.785	174	759	0.05 PPBV	93
58)	ETHYL ACRYLATE	4.965	55	1009	0.03 PPBV	# 95
59)	BROMODICHLOROMETHANE	4.998	83	901	0.03 PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.152	57	2462	0.04 PPBV	# 89
61)	1,4-DIOXANE	5.226	88	244	0.02 PPBV	# 47
62)	HEPTANE	5.470	43	805	0.03 PPBV	# 77
63)	METHYL METHACRYLATE	5.370	69	643	0.04 PPBV	# 76
64)	METHYL ISOBUTYL KETONE	6.133	58	435	0.03 PPBV	# 81
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	735	0.03 PPBV	# 73
66)	TOLUENE	7.187	91	2041	0.04 PPBV	89
67)	1,3-DICHLOROPROPANE	7.239	76	755	0.03 PPBV	# 74
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	643	0.03 PPBV	97
69)	1,1,2-TRICHLOROETHANE	6.827	83	477	0.04 PPBV	100
70)	2-HEXANONE	7.817	58	587	0.03 PPBV	# 59
71)	ETHYL METHACRYLATE	7.904	69	1154	0.05 PPBV	# 84
72)	TETRACHLOROETHENE	8.904	164	711	0.04 PPBV	95
73)	DIBROMOCHLOROMETHANE	7.721	129	828	0.03 PPBV	94
74)	1,2-DIBROMOETHANE	8.052	107	793	0.03 PPBV	# 96
75)	OCTANE	9.058	43	1306	0.04 PPBV	86
77)	1,1,1,2-TETRACHLOROETHANE	10.107	131	628	0.03 PPBV	# 78
78)	CHLOROBENZENE	10.103	112	1266	0.03 PPBV	85
79)	ETHYLBENZENE	10.988	91	2859	0.05 PPBV	88
80)	TETRACHLOROETHENE DIBROMOCHLOROMETHANE 1,2-DIBROMOETHANE OCTANE 1,1,1,2-TETRACHLOROETHANE CHLOROBENZENE ETHYLBENZENE M,P-XYLENE O-XYLENE STYRENE NONANE BROMOFORM 1,1,2,2-TETRACHLOROETHANE	11.422	91	3729m	0.08 PPBV	
81)	O-XYLENE	12.354	91	2008	0.04 PPBV	98
82)	STYRENE	12.152	104	1076	0.03 PPBV	95
83)	NONANE	13.460	43	1432	0.04 PPBV	85
84)	BROMOFORM	11.229	173	696	0.03 PPBV	# 79
85)	STYRENE NONANE BROMOFORM 1,1,2,2-TETRACHLOROETHANE	12.354	83	1109	0.03 PPBV	# 94
86)	BROMOFORM  1,1,2,2-TETRACHLOROETHANE  1,2,3-TRICHLOROPROPANE ISOPROPYLBENZENE BROMOBENZENE 2-CHLOROTOLUENE N-PROPYLBENZENE 4-ETHYLTOLUENE 1,3,5-TRIMETHYLBENZENE ALPHA-METHYLSTYRENE TERT-BUTYLBENZENE 1,2,4-TRIMETHYLBENZENE BENZYL CHLORIDE M-DICHLOROBENZENE P-DICHLOROBENZENE O-DICHLOROBENZENE SEC-BUTYLBENZENE	12.644	75	809	0.03 PPBV	# 99
88)	ISOPROPYLBENZENE	13.862	120	606	0.03 PPBV	# 68
89)	BROMOBENZENE	13.721	77	1193	0.03 PPBV	# 66
90)	2-CHLOROTOLUENE	14.843	126	445	0.03 PPBV	# 43
91)	N-PROPYLBENZENE	15.203	120	527	0.03 PPBV	95
92)	4-ETHYLTOLUENE	15.647	105	2316m	0.03 PPBV	
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	1967	0.03 PPBV	92
94)	ALPHA-METHYLSTYRENE	16.216	118	852	0.03 PPBV	90
95)	TERT-BUTYLBENZENE	16.528	134	479	0.03 PPBV 0.03 PPBV	95
96)	1,2,4-TRIMETHYLBENZENE	16.534	105	2036	0.03 PPBV	98
97)	BENZYL CHLORIDE	16.631	91	1586	0.03 PPBV 0.03 PPBV	90
98)	M-DICHLOROBENZENE	16.598	146	1203	0.03 PPBV	90
99)	P-DICHLOROBENZENE	16.692	146	1243	0.03 PPBV	96
100)	O-DICHLOROBENZENE	17.007	146	1290	0.03 PPBV	95
101)	SEC-BUTYLBENZENE	16.843	134	535	0.03 PPBV	79
102)	1,2,3-TRIMETHYLBENZENE	16.958	105	1962	0.03 PPBV	94
103)	P-ISOPROPYLTOLUENE	17.032	134	596	0.03 PPBV	87
104)	N-BUTYLBENZENE	17.399	134	566	0.03 PPBV	83
105)	HEXACHLOROETHANE	17.576	117	628	0.03 PPBV	91
106)	HEXACHLOROBUTADIENE	18.634	225	926	0.03 PPBV	98
107)	1,2,4-TRICHLOROBENZENE	18.325	180	996	0.03 PPBV	94
108)	NAPHTHALENE	18.376		2159	0.03 PPBV	97
		2.268		2517m	0.04 PPBV	

Data Path : C:\msdchem\1\data\7w\ Data File : 7w11233.D Acq On : 28 Dec 2024 9:16 an Operator : benk Sample : ic405-0.04 Ms74014, v7w405,,,,,1 9:16 am

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 06:12:48 2024

Response via : Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path :  $C:\msdchem\1\data\7w\$ Data File : 7w11233.D Acq On : 28 Dec 2024 9:16 am

Operator : benk

: ic405-0.04 Sample

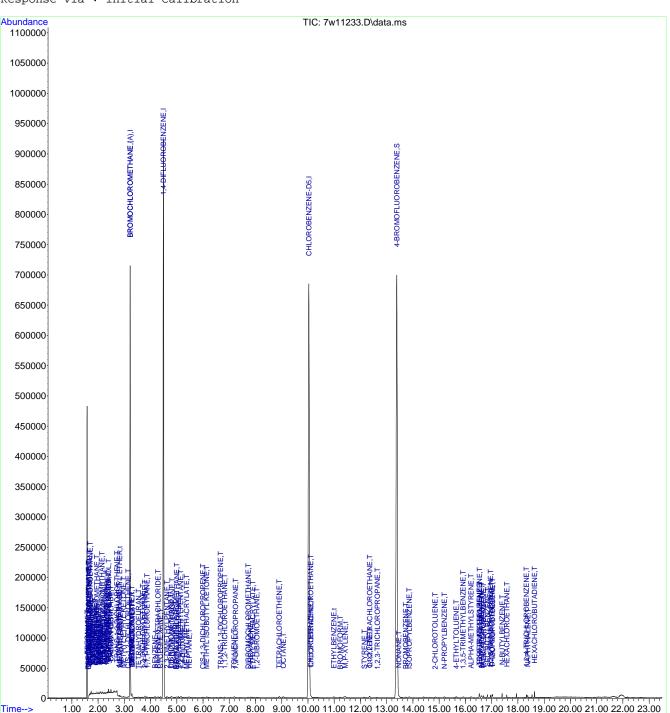
Misc : MS74014, v7w405,,,,,1 Sample Multiplier: 1 ALS Vial : 2

Quant Time: Dec 29 19:36:55 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 06:12:48 2024

Response via : Initial Calibration



M7W405.M Mon Dec 30 13:58:55 2024

# **Manual Integration Approval Summary**

Sample Number: V7W405-IC405 Method: TO-15

 Lab FileID:
 7W11233.D
 Analyst approved:
 12/30/24 00:11
 Kanya Veerawat

 Injection Time:
 12/28/24 09:16
 Supervisor approved:
 12/30/24 00:15
 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		1.63	Missed peak
Acetonitrile	75-05-8		2.03	Poor instrument integration
Acrolein	107-02-8		2.06	Missed peak
TVHC As Equiv Pentane			2.27	Missed peak
m,p-Xylene			11.42	Split peak
4-Ethyltoluene	622-96-8		15.65	Split peak

Data Path : C:\msdchem\1\data\ Data File: 7w11233.D 9:16 am Acq On : 28 Dec 2024 Operator : benk

: ic405-0.04 Sample

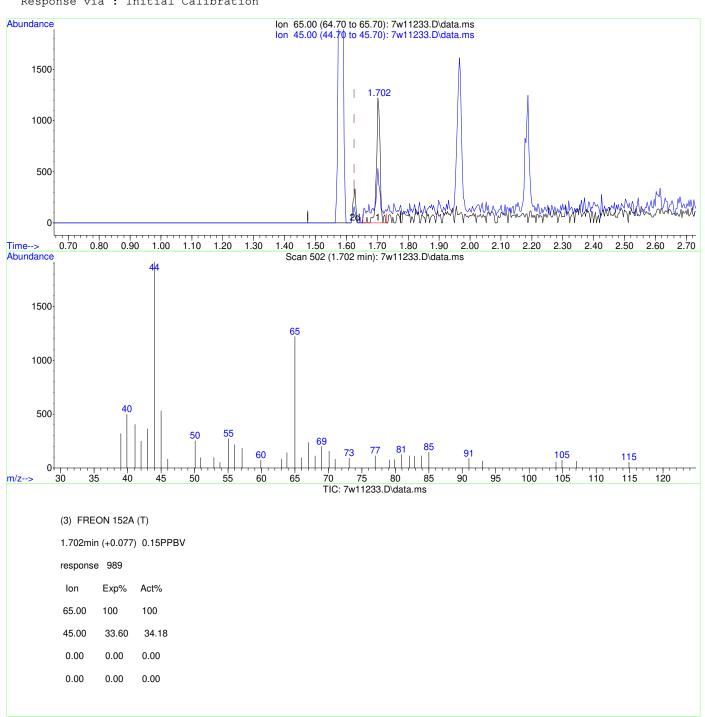
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Quant Time: Dec 29 06:15:10 2024

Quant Method :  $C:\msdchem\1\methods\M7W405.M$ 

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 06:12:48 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:15:20 2024

Data Path : C:\msdchem\1\data\ Data File: 7w11233.D 9:16 am Acq On : 28 Dec 2024 Operator : benk

: ic405-0.04 Sample

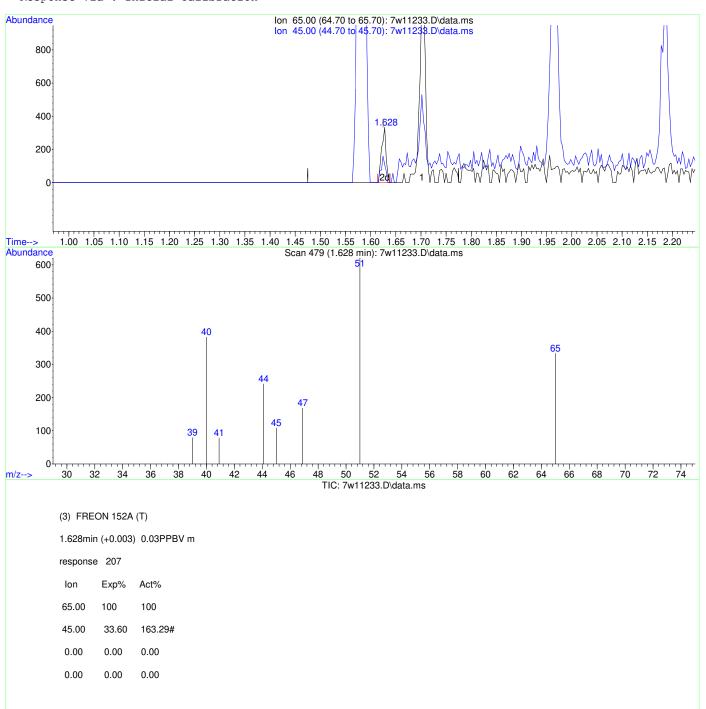
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Quant Time: Dec 29 06:15:10 2024

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Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 06:12:48 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:16:10 2024

Page: 1

Data Path : C:\msdchem\1\data\ Data File: 7w11233.D Acq On : 28 Dec 2024 9:16 am Operator : benk

: ic405-0.04 Sample

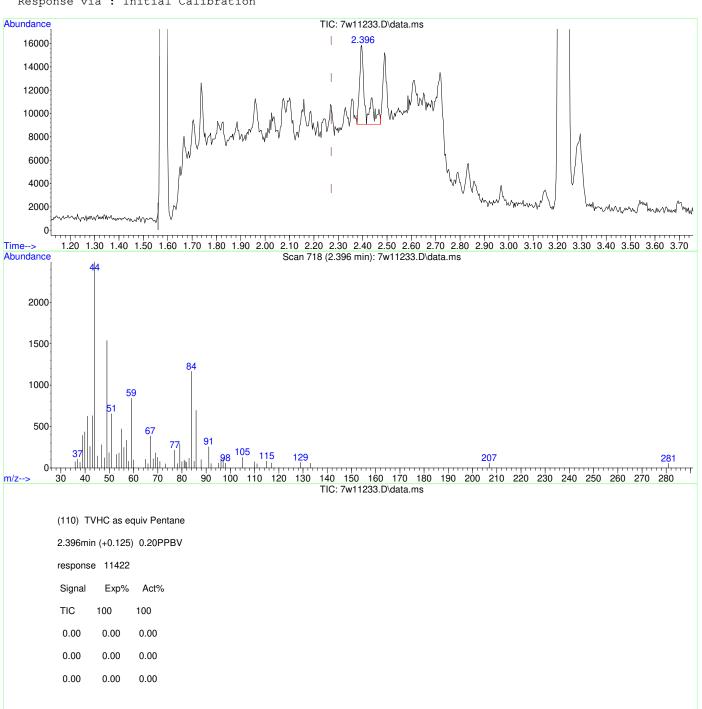
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Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 06:12:48 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:16:59 2024

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Data Path : C:\msdchem\1\data\
Data File: 7w11233.D
Acq On
          : 28 Dec 2024
                           9:16 am
Operator
          : benk
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: ic405-0.04 Sample

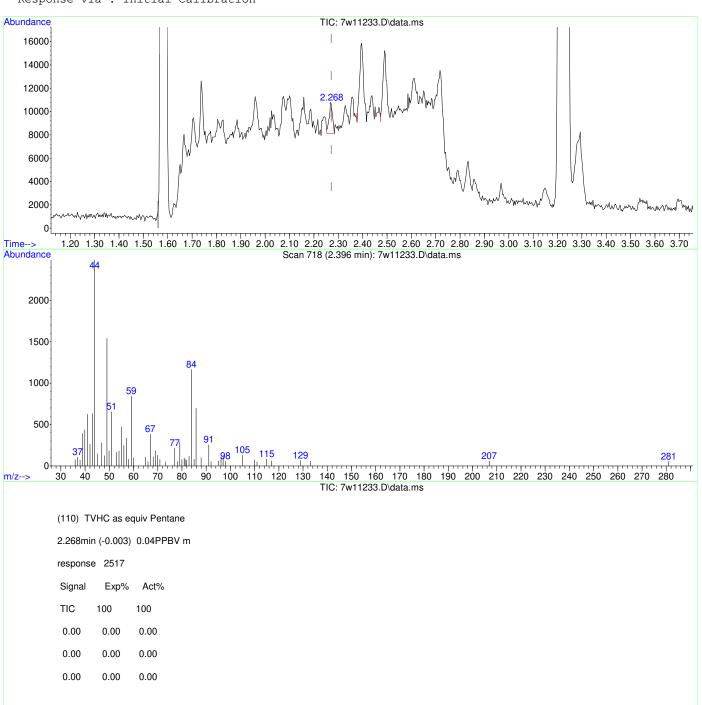
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Quant Time: Dec 29 06:15:10 2024

Quant Method :  $C:\msdchem\1\methods\M7W405.M$ 

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 06:12:48 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:17:39 2024

Page: 1

Data Path : C:\msdchem\1\data\ Data File: 7w11233.D 9:16 am Acq On : 28 Dec 2024 Operator : benk

: ic405-0.04 Sample

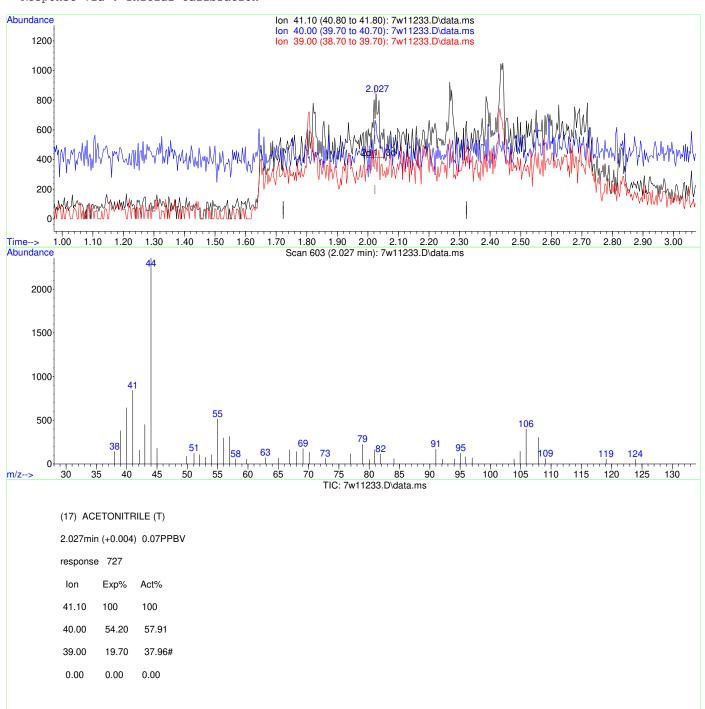
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Quant Time: Dec 29 06:17:36 2024

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Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 06:12:48 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:21:45 2024

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Data Path : C:\msdchem\1\data\
Data File: 7w11233.D
                           9:16 am
Acq On
          : 28 Dec 2024
Operator
          : benk
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: ic405-0.04 Sample

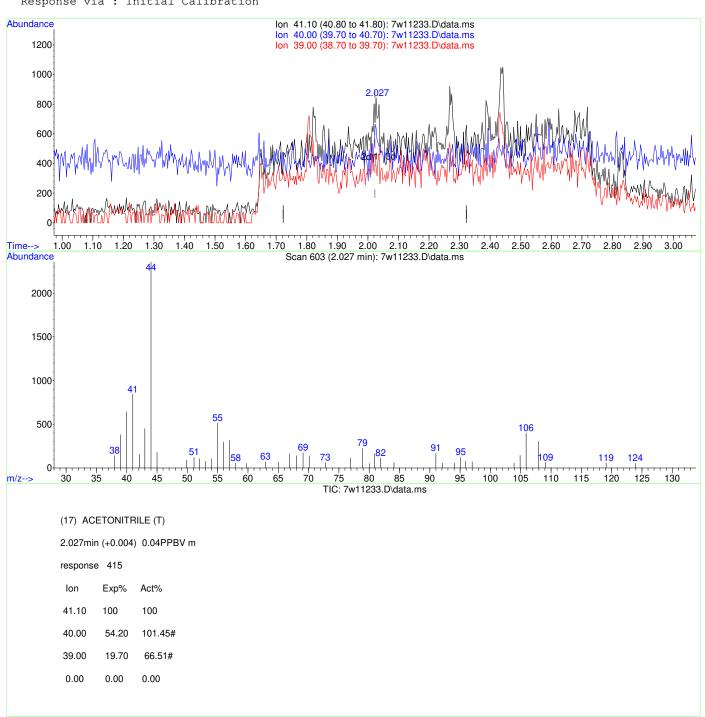
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Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 06:12:48 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:22:35 2024

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Data Path : C:\msdchem\1\data\
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                           9:16 am
Acq On
          : 28 Dec 2024
Operator
          : benk
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: ic405-0.04 Sample

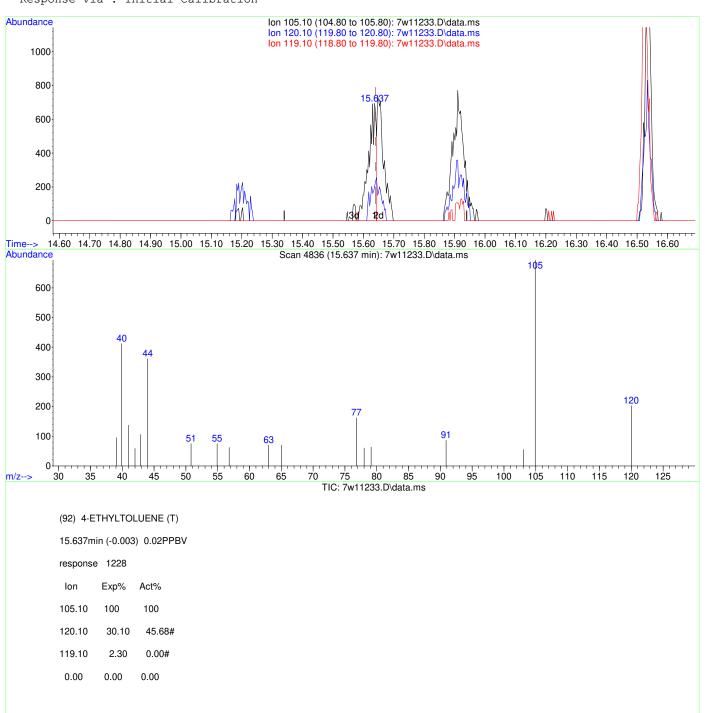
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Quant Time: Dec 29 06:17:36 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 06:12:48 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:25:15 2024

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Acq On
          : 28 Dec 2024
Operator
          : benk
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: ic405-0.04 Sample

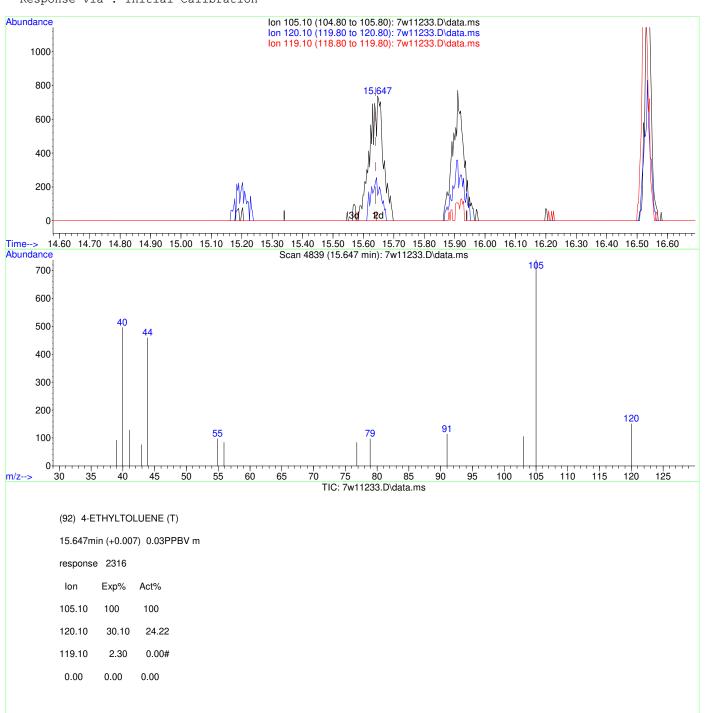
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Quant Time: Dec 29 06:17:36 2024

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Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 06:12:48 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:25:53 2024

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Operator : benk : ic405-0.04  ${\tt Sample}$ 

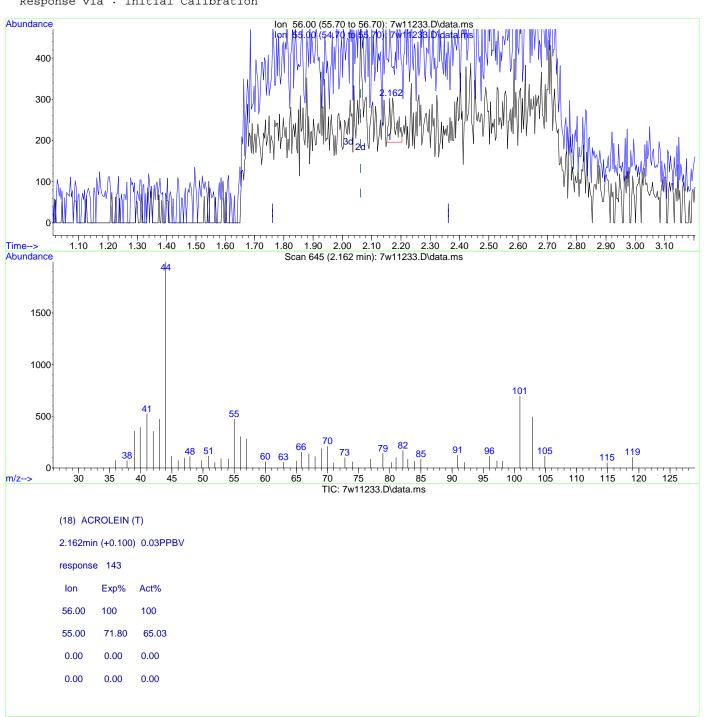
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Quant Time: Dec 29 06:25:49 2024

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 06:12:48 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 19:32:30 2024

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Data Path : C:\msdchem\1\data\7w\
Data File: 7w11233.D
Acq On
            28 Dec 2024
                          9:16 am
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Operator benk

: ic405-0.04 Sample

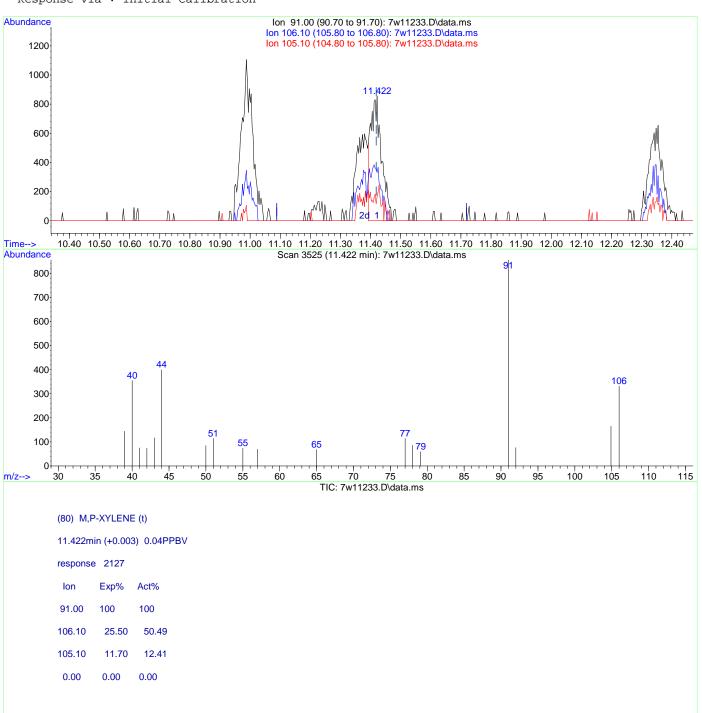
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Quant Time: Dec 29 06:25:49 2024

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Quant Title : T015 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 06:12:48 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 19:33:59 2024

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Data Path : C:\msdchem\1\data\7w\
Data File: 7w11233.D
Acq On
            28 Dec 2024
                          9:16 am
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Operator benk

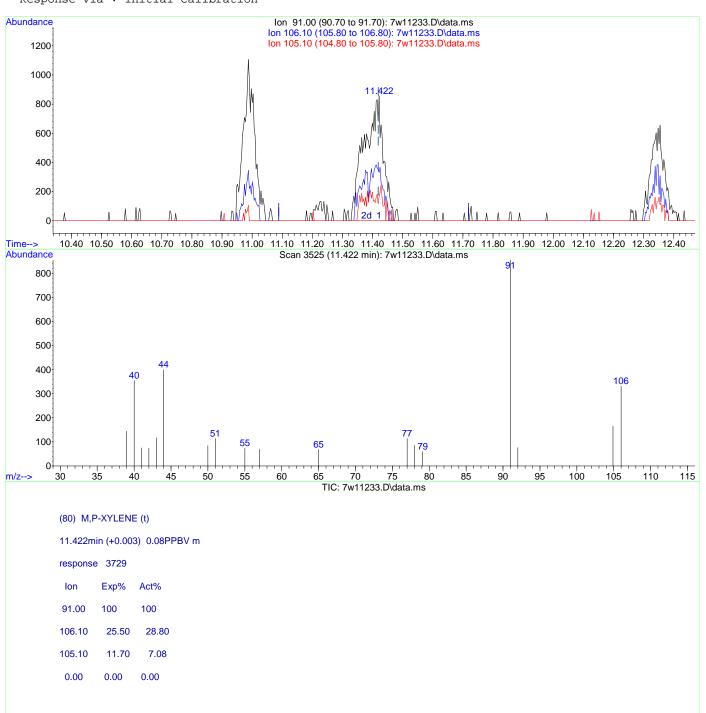
: ic405-0.04 Sample Misc : MS74014, v7w405,,,,,1 ALS Vial : 2 Sample Multiplier: 1

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Response via : Initial Calibration



M7W405.M Sun Dec 29 19:34:09 2024

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Operator : benk : ic405-0.04 Sample

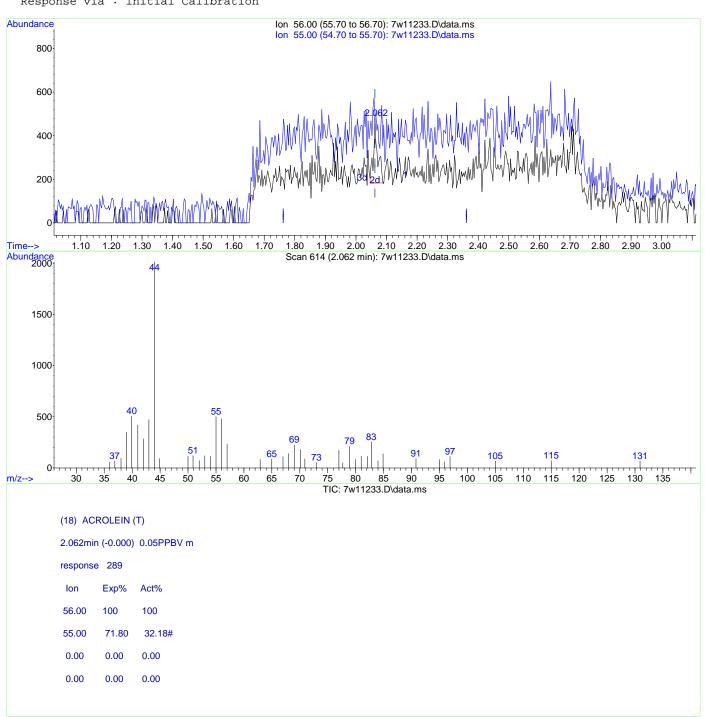
Misc : MS74014, v7w405,,,,,1 Sample Multiplier: 1 ALS Vial

Quant Time: Dec 29 19:34:06 2024

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 06:12:48 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 19:37:00 2024

Data Path :  $C:\msdchem\1\data\7w\$ Data File : 7w11234.D : 28 Dec 2024 9:53 am Acq On

: benk : ic405-0.10 Operator Sample

Misc : MS74014, v7w405,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via: Initial Calibration

Compound	R.T	. QIon	Response	Conc Unit	s De	v(Min)
[ntornal Standards						
1) BROMOCHLOROMETHAN	E 3.22	3 128	133584	10.00 PP	3V	0.00
52) 1,4-DIFLUOROBENZE	NE 4.49	0 114	679369	10.00 PP	3V	0.00
76) CHLOROBENZENE-D5	10.03	0 117	626077	10.00 PP	3V	0.00
1) BROMOCHLOROMETHAN 52) 1,4-DIFLUOROBENZE 76) CHLOROBENZENE-D5 09) BROMOCHLOROMETHAN	E (A) 3.22	3 128	133584	10.00 PP	3V	0.00
ystem Monitoring Comp 87) 4-BROMOFLUOROBENZ		3 95	448796	9.85 PP	3V	0.00
arget Compounds 2) FREON 115 3) FREON 152A 4) CHLORODIFLUOROMET 5) CHLOROTRIFLUOROMET 6) DICHLORODIFLUOROMET 6) DICHLORODIFLUOROM 7) PROPYLENE 8) 1-CHLORO-1,1-DIFL 9) FREON 114 10) CHLOROMETHANE 11) VINYL CHLORIDE 12) 1,3-BUTADIENE 13) N-BUTANE 14) BROMOMETHANE 15) CHLOROETHANE 16) DICHLOROFLUOROMET 17) ACETONITRILE 18) ACROLEIN 19) FREON 123 20) FREON 123A 21) TRICHLOROFLUOROMET 22) ISOPROPYL ALCOHOL 23) ACETONE 24) PENTANE 25) IODOMETHANE 26) 1,1-DICHLOROETHYL 27) CARBON DISULFIDE 28) ETHANOL 29) BROMOETHENE 30) ACRYLONITRILE 31) METHYLENE CHLORID 32) 3-CHLOROPROPENE 33) FREON 113 34) TRANS-1,2-DICHLOR 35) TERTIARY BUTYL AL 36) METHYL TERTIARY B 37) TETRAHYDROFURAN 38) HEXANE 39) VINYL ACETATE 40) 1,1-DICHLOROETHAN 41) METHYL ETHYL KETO					C	value
2) FREON 115	1.59	9 119	1552	0.14 PP	₹V ×	98
3) FREON 152A	1.62	8 65	700	0.11 PP	3V	96
4) CHLORODIFILIOROMET	HANE 1 64	1 67	367	0 11 PP	3V #	66
5) CHLOROTRIFILIOROFT	HENE 1 65	1 116	1669	0.11 PP	317	94
6) DICHLORODIFIJIOROM	ETHANE 1.65	7 85	3743	0.11 PP	317	99
7) PROPYLENE	1 65	1 41	1091m	0.11 II	317	
8) 1-CHI.ORO-1 1-DIFI	TIOROE 1 70	5 65	2788	0.13 II:	377 #	. 83
9) FREON 114	1 74	1 85	3060	0.11 II	2 <i>Π</i>	98
0) CHIOROMETHANE	1 71	2 52	455m	0.11 II	27 <i>7</i>	70
1) VINVI CHLORIDE	1 77	0 62	1144	0.11 11:	27 <i>7</i>	95
2) 1 3-BUTADIENE	1 81	1 54	1147	0.10 II:	277 #	. 68
3) N-RUTANE	1 82	7 43	1929m	0.13 FF	277 277	00
4) RROMOMETHANE	1 88	5 94	1136	0.12 FF	277 #	83
5) CHIODOFTHANE	1 93	0 64	691	0.12 FF	277 # ⊒77 #	. 71
6) DICUIODORI HODOMET	1.23 1 AF	6 67	2603	0.12 FF	277 Τ	0.1
7) ACETONITETIE	2 02	7 /11	2093 1E40	0.11 PP	77. H	. 01
// ACEIONITEILE	2.02	, <del>1</del> 1	1340 620m	0.13 PP	>V #	04
O) ACROLLIN	2.00	0 00	2102	0.12 PP	۷ ک ۲۲ ت	0.7
9) FREON 123	2.07	0 03	3192	0.13 PP	3 V	100
U) FREUN 123A 1) EDIGUIODOELUODOME	2.09	1 11/	2006	0.13 PP	3V 277 H	T00
1) IRICHLOROFLOOROME	2.15 2.10	0 16	2122	0.11 PP	77 #	76
2) AGEMONE	2.10	0 40	3144 1240m	0.13 PP	>V #	. / 0
A DENTAND	2.11	1 12	1420III	0.13 PP	2 V 27 C	
E) TODOMETHANE	2.27	1 1/2	2020	0.12 PP	2 V 27 C	0.7
6) 1 1 DICULODORTUVI	2.33 2.36	1 06	3029 1516	0.11 PP	2 V 27 C	70
(0) I,I-DICHLOROEINIL	2.30	2 70	2100	0.14 PP	277 T	13
7) CARBON DISULFIDE	2.49	3 / 0	3182	0.11 PP	3V #	6.3
8) ETHANOL	1.96	0 45	2393III 1000	0.26 PP	3V 377 4	0.4
9) BROMOETHENE	2.03	3 106	1269	0.12 PP	3V #	84
U) ACRYLONITRILE	2.23	9 54	15/3m	0.18 PP	30	0.0
1) METHYLENE CHLORID	E 2.39	3 84	2203	0.21 PP	30	90
2) 3-CHLOROPROPENE	2.43	8 76	654	0.12 PP	3V #	87
3) FREON 113	2.49	0 151	1957	0.11 PP	3V	96
4) TRANS-1,2-DICHLOR	OETHENE 2./1	8 96	1459	0.13 PP	30	86
5) TERTIARY BUTYL AL	COHOL 2.39	7 59	3058	0.11 PP	3V #	. 78
6) METHYL TERTIARY B	UTYL 2.83	1 73	3948	0.11 PP	3V #	. 70
7) TETRAHYDROFURAN	3.53	8 72	560	0.10 PP	3V #	65
8) HEXANE	3.27	T 5./	2759	0.13 PP	3V	96
9) VINYL ACETATE	2.86	3 86	397	0.12 PP	3V #	83
0) 1,1-DICHLOROETHAN	E 2.78	9 63	2465	0.11 PP	3V #	86
1) METHYL ETHYL KETO	NE 2.96	6 72	741	0.12 PP	3V #	
<pre>12) CIS-1,2-DICHLOROE</pre>	THENE 3.14	6 96	1475	0.12 PP	BV	91
3) DIISOPROPYL ETHER			769	0.13 PP		81
14) ETHYL ACETATE	3.29		485	0.11 PP		95
15) METHYL ACRYLATE	3.27	8 55	2955	0.12 PP	3V #	99
46) CHLOROFORM	3.29	7 83	2743	0.11 PP	3V	95
47) 2,4-DIMETHYLPENTA			2893	0.12 PP		93
				0 11 55		0.0
48) 1,1,1-TRICHLOROET	HANE 3.86	3 97	2969	0.11 PP	3V	97

M7W405.M Mon Dec 30 13:58:57 2024

Data Path :  $C:\msdchem\1\data\7w\$ Data File : 7w11234.D 9:53 am

Acq On : 28 Dec \_
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
2 Sample Multiplier ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration

	Compound  1,2-DICHLOROETHANE BENZENE CYCLOHEXANE 2,3-DIMETHYLPENTANE TRICHLOROETHENE 1,2-DICHLOROPROPANE DIBROMOMETHANE ETHYL ACRYLATE BROMODICHLOROMETHANE 2,2,4-TRIMETHYLPENTANE 1,4-DIOXANE HEPTANE METHYL METHACRYLATE METHYL ISOBUTYL KETONE CIS-1,3-DICHLOROPROPENE TOLUENE 1,3-DICHLOROPROPANE TRANS-1,3-DICHLOROPROPENE 1,1,2-TRICHLOROETHANE 2-HEXANONE ETHYL METHACRYLATE DIBROMOCHLOROMETHANE 1,2-DIBROMOETHANE 1,2-DIBROMOETHANE 1,2-DIBROMOETHANE 1,2-TETRACHLOROETHANE 1,2-DIBROMOETHANE 1,2-TETRACHLOROETHANE 1,1,1,2-TETRACHLOROETHANE 1,2-XYLENE STYRENE NONANE BROMOFORM 1,1,2,2-TETRACHLOROETHANE 1,2,3-TRICHLOROPROPANE ISOPROPYLBENZENE BROMOFORM 1,1,2,2-TETRACHLOROETHANE 1,2,3-TRICHLOROPROPANE ISOPROPYLBENZENE BROMOBENZENE 2-CHLOROTOLUENE N-PROPYLBENZENE 4-ETHYLTOLUENE 1,3,5-TRIMETHYLBENZENE ALPHA-METHYLSTYRENE TERT-BUTYLBENZENE 1,2,4-TRIMETHYLBENZENE BENZYL CHLORIDE M-DICHLOROBENZENE 9-DICHLOROBENZENE SC-BUTYLBENZENE 1,2,3-TRIMETHYLBENZENE SC-BUTYLBENZENE 1,2,3-TRIMETHYLBENZENE SC-BUTYLBENZENE SC-BUTYLBENZENE	R.T.	QIon	Response	Conc Units Dev(Min)
50)	1,2-DICHLOROETHANE	3.699	62	2071	0.11 PPBV 96
51)	BENZENE	4.175	78	4275	0.12 PPBV 97
53)	CYCLOHEXANE	4.377	84	1762	0.11 PPBV # 73
54)	2,3-DIMETHYLPENTANE	4.628	71	937	0.11 PPBV 75
55)	TRICHLOROETHENE	5.059	95	1922	0.11 PPBV 93
56)	1,2-DICHLOROPROPANE	4.827	63	1621	0.11 PPBV 97
57)	DIBROMOMETHANE	4.782	174	1996	0.13 PPBV 95
58)	ETHYL ACRYLATE	4.959	55	3251	0.10 PPBV # 88
59)	BROMODICHLOROMETHANE	5.004	83	2919	0.10 PPBV 98
60)	2,2,4-TRIMETHYLPENTANE	5.159	57	7579	0.12 PPBV 94
61)	1,4-DIOXANE	5.175	88	1055m	0.10 PPBV
62)	HEPTANE	5.464	43	2843	0.12 PPBV 92
63)	METHYL METHACRYLATE	5.371	69	1757	0.12 PPBV 96
64)	METHYL ISOBUTYL KETONE	6.130	58	1493	0.11 PPBV 81
65)	CIS-1,3-DICHLOROPROPENE	5.988	75	2419	0.10 PPBV 81
66)	TOLUENE	7.181	91	5488	0.12 PPBV 100
67)	1,3-DICHLOROPROPANE	7.242	76	2335	0.10 PPBV 94
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	2255	0.10 PPBV # 73
69)	1,1,2-TRICHLOROETHANE	6.818	83	1420	0.11 PPBV 98
70)	2-HEXANONE	7.802	58	2003	0.09 PPBV 97
71)	ETHYL METHACRYLATE	7.901	69	2835	0.11 PPBV 93
72)	TETRACHLOROETHENE	8.914	164	2049	0.11 PPBV 96
73)	DIBROMOCHLOROMETHANE	7.724	129	2795	0.10 PPBV 98
74)	1,2-DIBROMOETHANE	8.046	107	2657	0.11 PPBV # 100
75)	OCTANE	9.056	43	3709	0.11 PPBV 94
77)	1,1,1,2-TETRACHLOROETHANE	10.113	131	2293	0.11 PPBV 99
78)	CHLOROBENZENE	10.100	112	3912	0.10 PPBV 94
79)	ETHYLBENZENE	10.991	91	7070	0.12 PPBV 99
80)	M,P-XYLENE	11.377	91	11272	0.23 PPBV 99
8T)	O-XYLENE	12.335	91	5714	0.12 PPBV 86
82)	STYRENE	12.133	104	3697	0.10 PPBV 97
83)	NONANE	13.457	43	3560	0.11 PPBV 93
84)	BROMOFORM	11.226	173	2476	0.10 PPBV # 92
85)	1,1,2,2-TETRACHLOROETHANE	12.354	83	3500	0.11 PPBV 94
86)	1,2,3-TRICHLOROPROPANE	12.050	100	2013 1051	0.10 PPBV # 99
88)	TSOPROPYLBENZENE	13.853	12U	1951	0.10 PPBV # /5
89)	BROMOBENZENE	14 040	126	3 / <u>2</u> 9 1 7 7 7	0.11 PPBV 94
90)	N DDODYLDENZENE	16 200	120	1025	0.10 PPBV 90
91)	A ETHYLTOLLIENE	15.200	105	1933 7010	0.10 PPBV # 79
92)	1 2 5_TDIMETUVI DENTENT	15.037	105	7213 6007	0.10 PPBV # 96
93)	AT.DHA_METHVI.QTVDENE	16 216	112	2749	0.10 PPBV 95
95)	TERT-RUTYLBENZENE	16 528	134	1442	0.00 FFBV 99
96)	1 2 4-TRIMETHVI.BENZENE	16 531	105	6050	0.10 TIBV 99
971	RENZYL CHLORIDE	16 624	91	4378	0.10 11DV 98
98)	M-DICHLOROBENZENE	16.599	146	3860	0.09 PPBV 98
99)	P-DICHLOROBENZENE	16.689	146	4056	0.10 PPBV 98
100)	O-DICHLOROBENZENE	17.010	146	3850	0.10 PPBV 97
101)	SEC-BUTYLBENZENE	16.840	134	1712	0.10 PPBV 85
102)	1,2,3-TRIMETHYLBENZENE	16.956	105	5886	0.10 PPBV 98
103)	P-ISOPROPYLTOLUENE	17.033	134	1960	0.10 PPBV 100
104)	N-BUTYLBENZENE	17.393	134	1820	0.09 PPBV 93
	HEXACHLOROETHANE	17.573		2186	0.09 PPBV 96
	HEXACHLOROBUTADIENE	18.631		2717	0.10 PPBV 98
		18.322			0.07 PPBV 96
	NAPHTHALENE	18.370		5107	
		2.271		6736m	0.12 PPBV

Data Path : C:\msdchem\1\data\7w\ Data File : 7w11234.D Acq On : 28 Dec 2024 9:53 ar Operator : benk Sample : ic405-0.10 Misc : MS74014, v7w405,,,,,1 9:53 am

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

426 of 516

Data Path :  $C:\msdchem\1\data\7w\$ Data File: 7w11234.D Acq On : 28 Dec 2024 9:53 am

Operator : benk : ic405-0.10

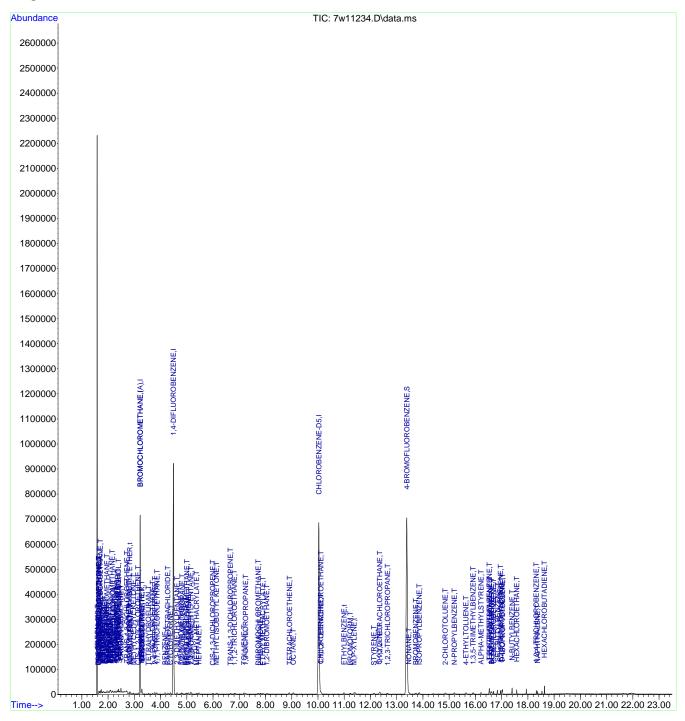
Sample Misc : MS74014, v7w405,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



# **Manual Integration Approval Summary**

Sample Number: V7W405-IC405 Method: TO-15

 Lab FileID:
 7W11234.D
 Analyst approved:
 12/30/24 00:11
 Kanya Veerawat

 Injection Time:
 12/28/24 09:53
 Supervisor approved:
 12/30/24 00:15
 Kanya Veerawat

			рт	
Parameter	CAS	Sig#	<b>R.T.</b> (min.)	Reason
Propylene	115-07-1		1.65	Missed peak
Chloromethane	74-87-3		1.71	Poor instrument integration
n-Butane	106-97-8		1.83	Poor instrument integration
Ethanol	64-17-5		1.97	Poor instrument integration
Acrolein	107-02-8		2.07	Poor instrument integration
Acetone (2-Propanone)	67-64-1		2.11	Poor instrument integration
Acrylonitrile	107-13-1		2.24	Poor instrument integration
Pentane	109-66-0		2.27	Poor instrument integration
TVHC As Equiv Pentane			2.27	Missed peak
1,4-Dioxane	123-91-1		5.17	Poor instrument integration

Data Path : C:\msdchem\1\data\ Data File: 7w11234.D 9:53 am Acq On : 28 Dec 2024 Operator : benk

: ic405-0.10 Sample

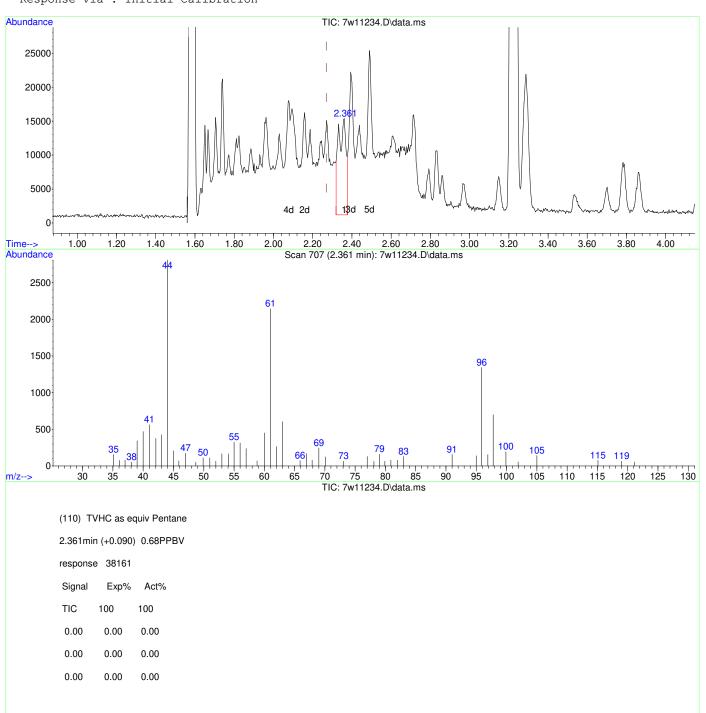
: MS74014, v7w405,,,,,1 Misc ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:53:04 2024

Quant Method :  $C:\msdchem\1\methods\M7W405.M$ 

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 05:54:16 2024

Data Path : C:\msdchem\1\data\ Data File: 7w11234.D 9:53 am Acq On : 28 Dec 2024 Operator : benk

: ic405-0.10 Sample

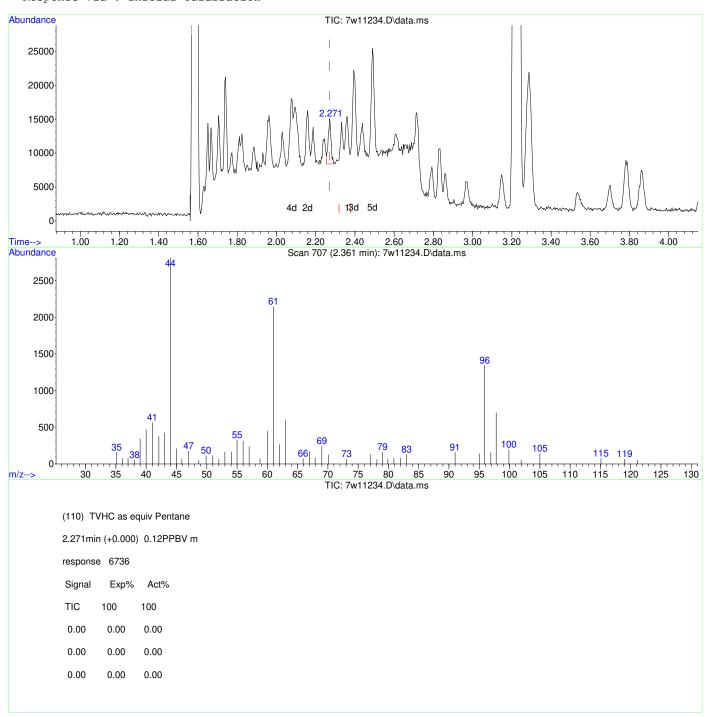
: MS74014, v7w405,,,,,1 Misc ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:53:04 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



Data Path : C:\msdchem\1\data\ Data File: 7w11234.D : 28 Dec 2024 Acq On 9:53 am Operator : benk

: ic405-0.10 Sample

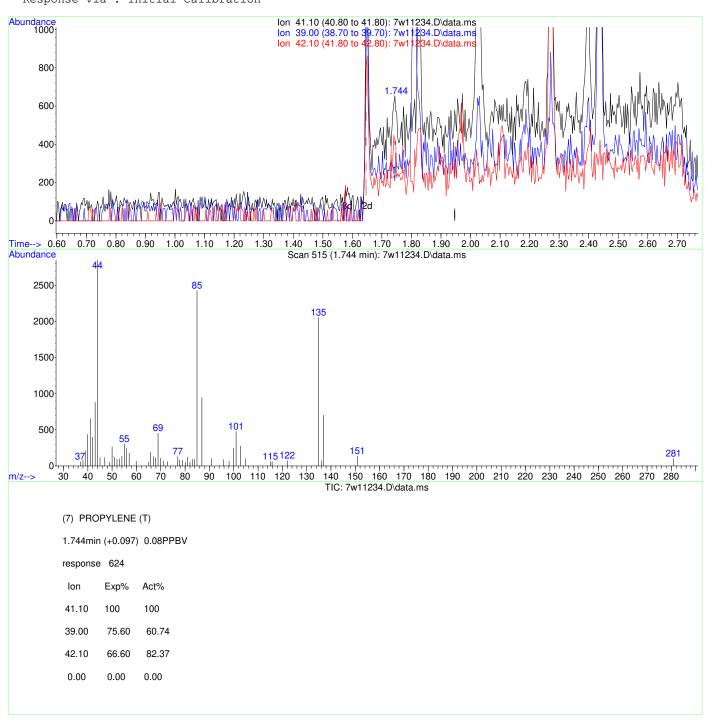
Misc : MS74014, v7w405,,,,,1 Sample Multiplier: 1 ALS Vial : 2

Quant Time: Dec 29 05:54:56 2024

Quant Method :  $C:\msdchem\1\methods\M7W405.M$ 

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 05:56:54 2024

Data Path : C:\msdchem\1\data\ Data File: 7w11234.D 9:53 am Acq On : 28 Dec 2024 Operator : benk

: ic405-0.10 Sample

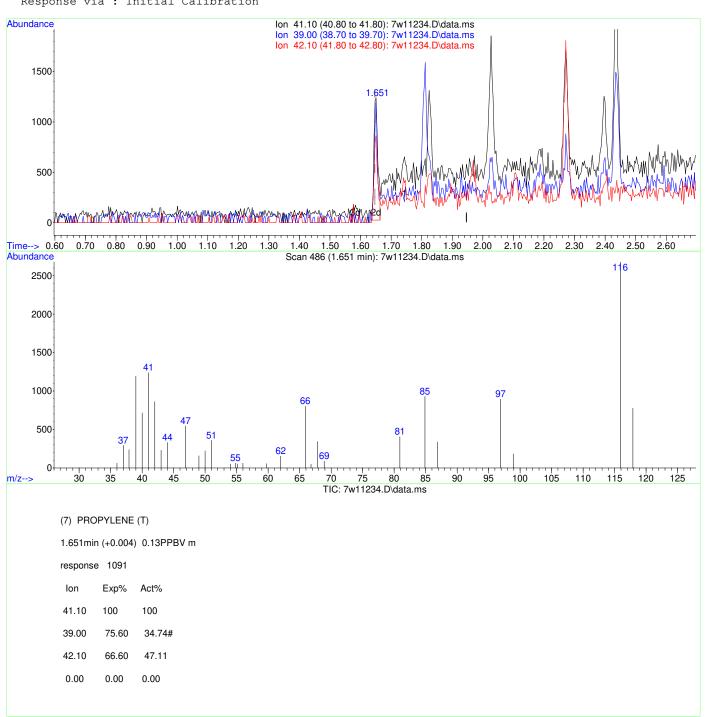
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Quant Time: Dec 29 05:54:56 2024

Quant Method :  $C:\msdchem\1\methods\M7W405.M$ 

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 05:57:59 2024

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Data Path : C:\msdchem\1\data\
Data File: 7w11234.D
                           9:53 am
Acq On
          : 28 Dec 2024
Operator
          : benk
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: ic405-0.10 Sample

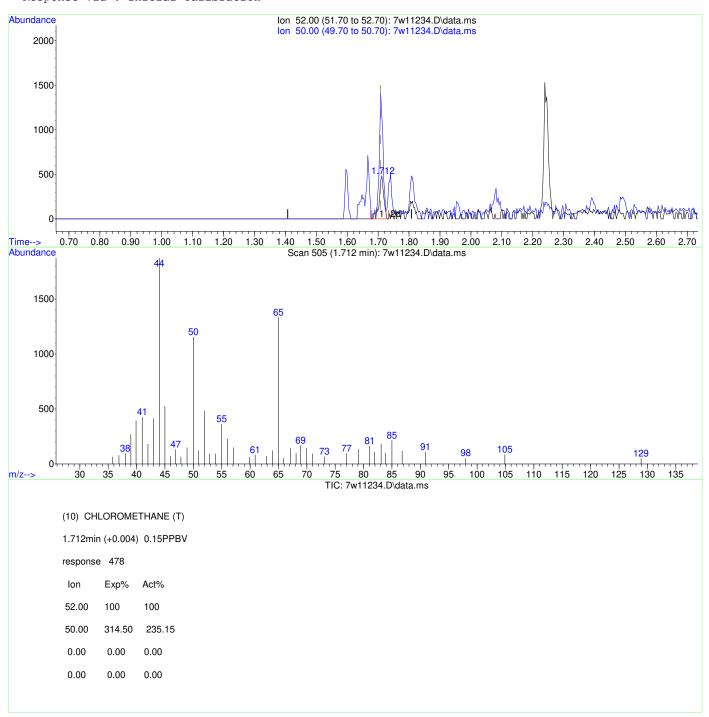
Misc : MS74014, v7w405,,,,,1 ALS Vial Sample Multiplier: 1 : 2

Quant Time: Dec 29 05:54:56 2024

Quant Method :  $C:\msdchem\1\methods\M7W405.M$ 

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 05:59:27 2024

Data Path : C:\msdchem\1\data\ Data File: 7w11234.D 9:53 am Acq On : 28 Dec 2024 Operator : benk

: ic405-0.10 Sample

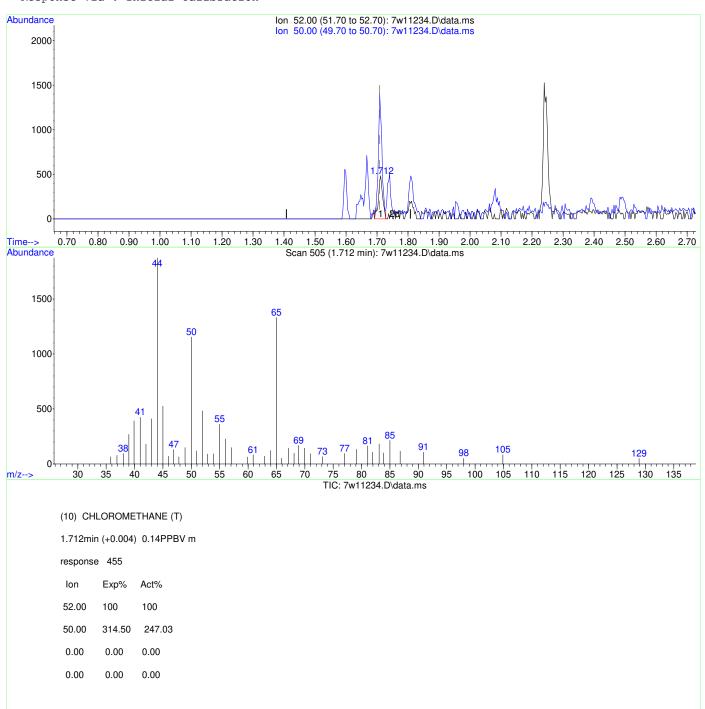
Misc : MS74014, v7w405,,,,,1 ALS Vial Sample Multiplier: 1 : 2

Quant Time: Dec 29 05:54:56 2024

Quant Method :  $C:\msdchem\1\methods\M7W405.M$ 

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:00:10 2024

Data Path : C:\msdchem\1\data\ Data File: 7w11234.D : 28 Dec 2024 Acq On 9:53 am Operator : benk

: ic405-0.10 Sample

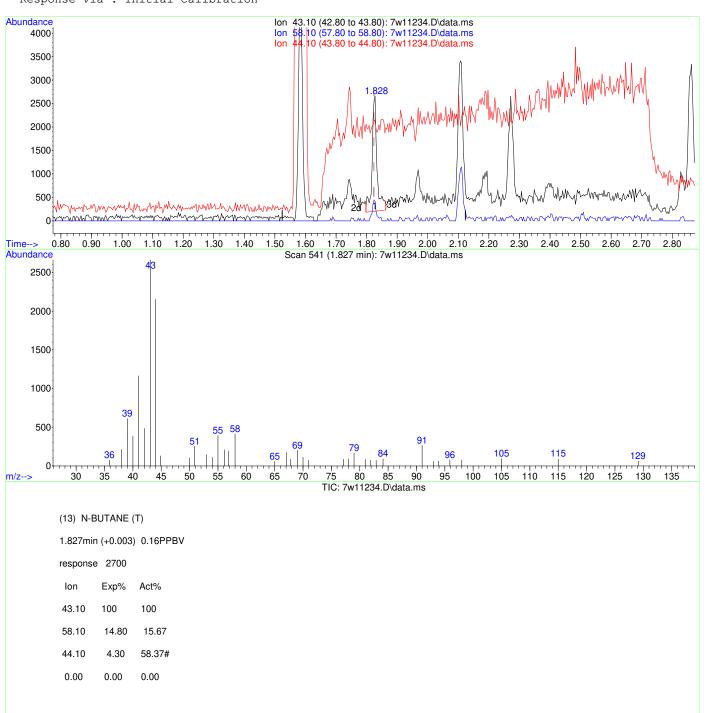
Misc : MS74014, v7w405,,,,,1 Sample Multiplier: 1 ALS Vial : 2

Quant Time: Dec 29 05:54:56 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:00:37 2024

Data Path : C:\msdchem\1\data\ Data File: 7w11234.D : 28 Dec 2024 Acq On 9:53 am Operator : benk

: ic405-0.10 Sample

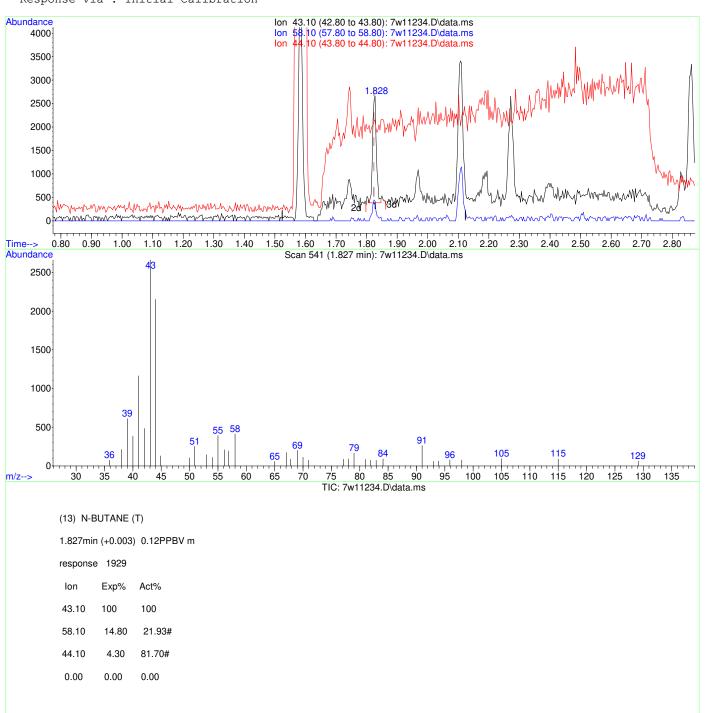
Misc : MS74014, v7w405,,,,,1 Sample Multiplier: 1 ALS Vial : 2

Quant Time: Dec 29 05:54:56 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:01:16 2024

Data Path : C:\msdchem\1\data\ Data File: 7w11234.D : 28 Dec 2024 Acq On 9:53 am Operator : benk

: ic405-0.10 Sample

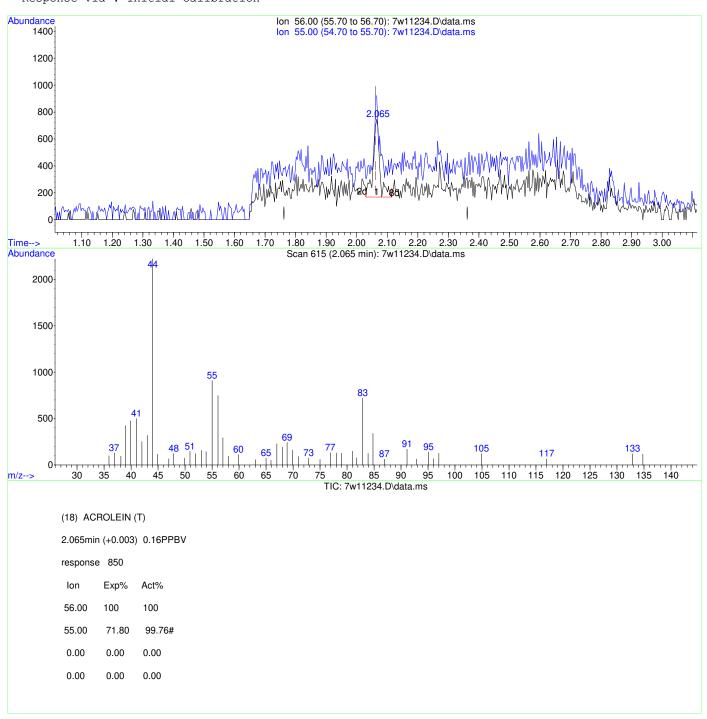
Misc : MS74014, v7w405,,,,,1 Sample Multiplier: 1 ALS Vial : 2

Quant Time: Dec 29 05:54:56 2024

Quant Method :  $C:\msdchem\1\methods\M7W405.M$ 

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



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Data Path : C:\msdchem\1\data\
Data File: 7w11234.D
Acq On
          : 28 Dec 2024
                           9:53 am
Operator
          : benk
```

: ic405-0.10 Sample

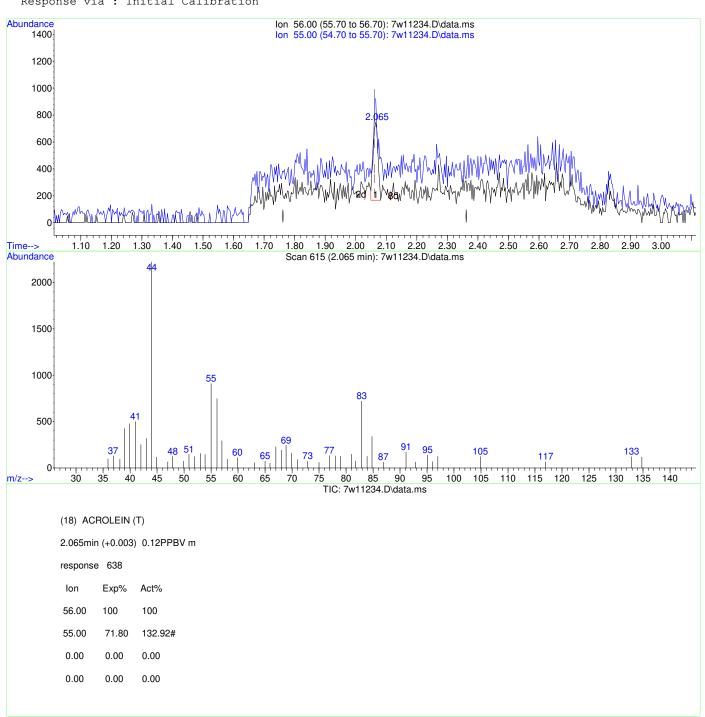
Misc : MS74014, v7w405,,,,,1 Sample Multiplier: 1 ALS Vial : 2

Quant Time: Dec 29 05:54:56 2024

Quant Method :  $C:\msdchem\1\methods\M7W405.M$ 

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:02:38 2024

```
Data Path : C:\msdchem\1\data\
Data File: 7w11234.D
                          9:53 am
Acq On
          : 28 Dec 2024
Operator
         : benk
```

: ic405-0.10 Sample

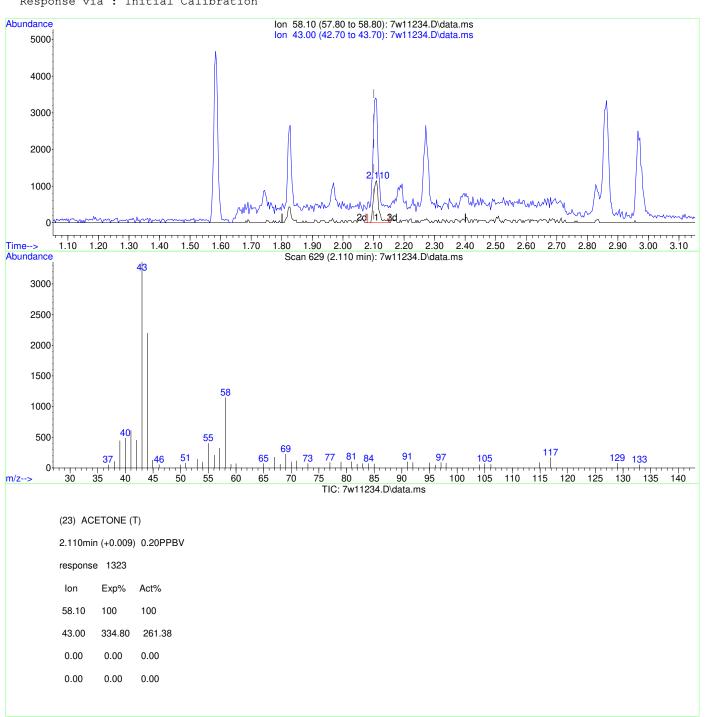
Misc : MS74014, v7w405,,,,,1 ALS Vial Sample Multiplier: 1 : 2

Quant Time: Dec 29 05:54:56 2024

Quant Method :  $C:\msdchem\1\methods\M7W405.M$ 

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:03:46 2024

```
Data Path : C:\msdchem\1\data\
Data File: 7w11234.D
                          9:53 am
Acq On
          : 28 Dec 2024
Operator
         : benk
```

: ic405-0.10 Sample

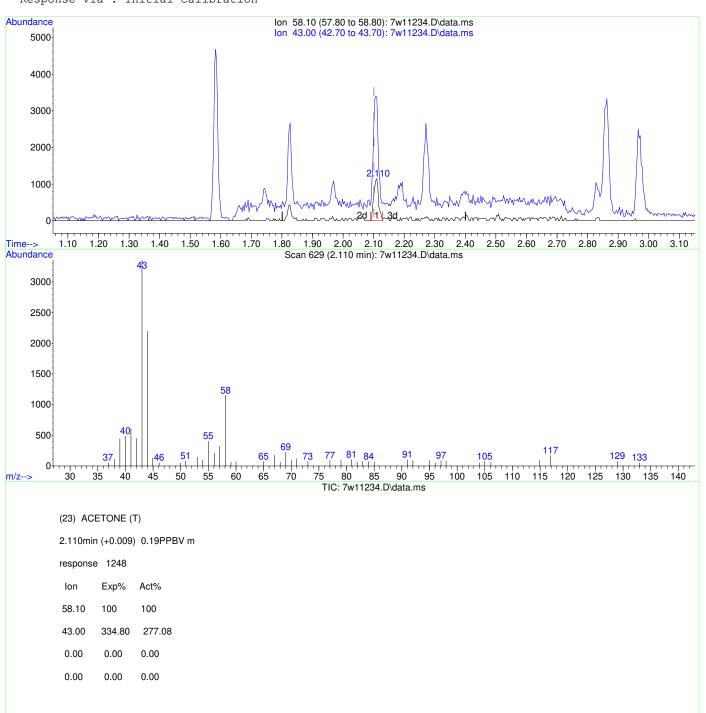
Misc : MS74014, v7w405,,,,,1 ALS Vial Sample Multiplier: 1 : 2

Quant Time: Dec 29 05:54:56 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:04:36 2024

```
Data Path : C:\msdchem\1\data\
Data File: 7w11234.D
                          9:53 am
Acq On
          : 28 Dec 2024
Operator
          : benk
```

: ic405-0.10 Sample

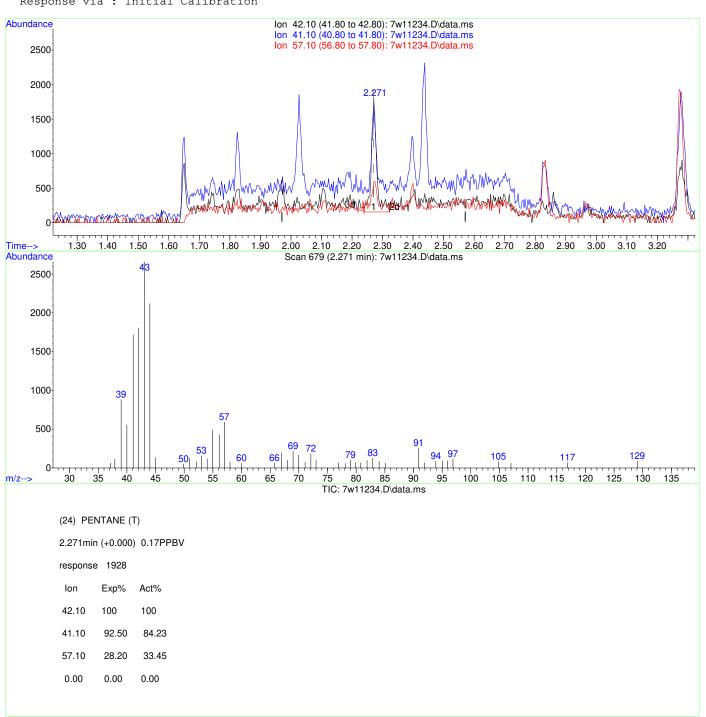
Misc : MS74014, v7w405,,,,,1 ALS Vial Sample Multiplier: 1 : 2

Quant Time: Dec 29 05:54:56 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:05:02 2024

Page: 1

```
Data Path : C:\msdchem\1\data\
Data File: 7w11234.D
                          9:53 am
Acq On
          : 28 Dec 2024
Operator
          : benk
```

: ic405-0.10 Sample

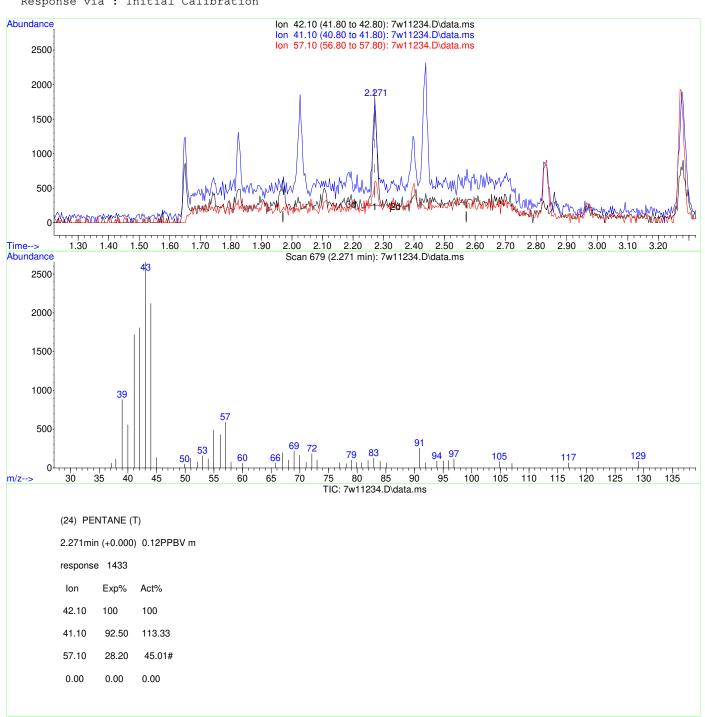
Misc : MS74014, v7w405,,,,,1 ALS Vial Sample Multiplier: 1 : 2

Quant Time: Dec 29 05:54:56 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:05:41 2024

Data Path : C:\msdchem\1\data\ Data File: 7w11234.D 9:53 am Acq On : 28 Dec 2024 Operator : benk

: ic405-0.10 Sample

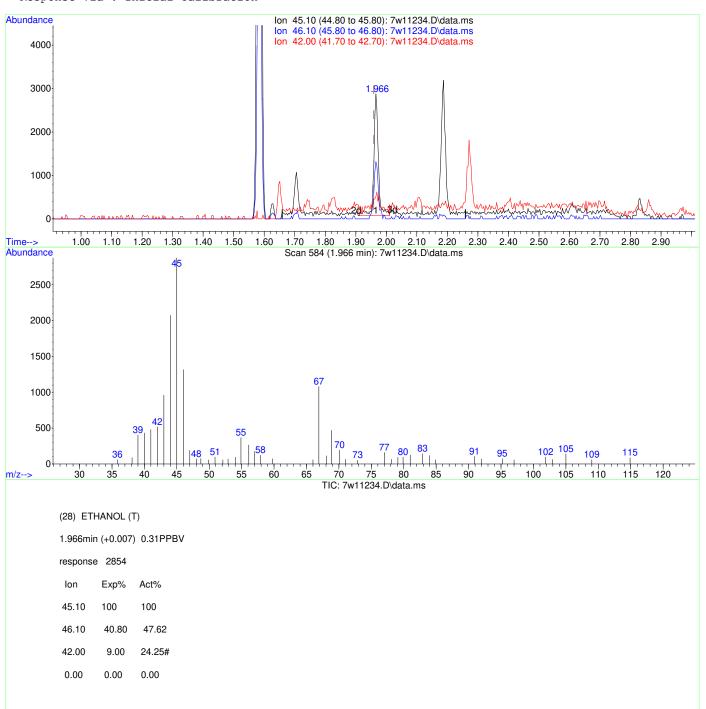
Misc : MS74014, v7w405,,,,,1 ALS Vial Sample Multiplier: 1 : 2

Quant Time: Dec 29 05:54:56 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:06:16 2024

Data Path : C:\msdchem\1\data\ Data File: 7w11234.D 9:53 am Acq On : 28 Dec 2024 Operator : benk

: ic405-0.10 Sample

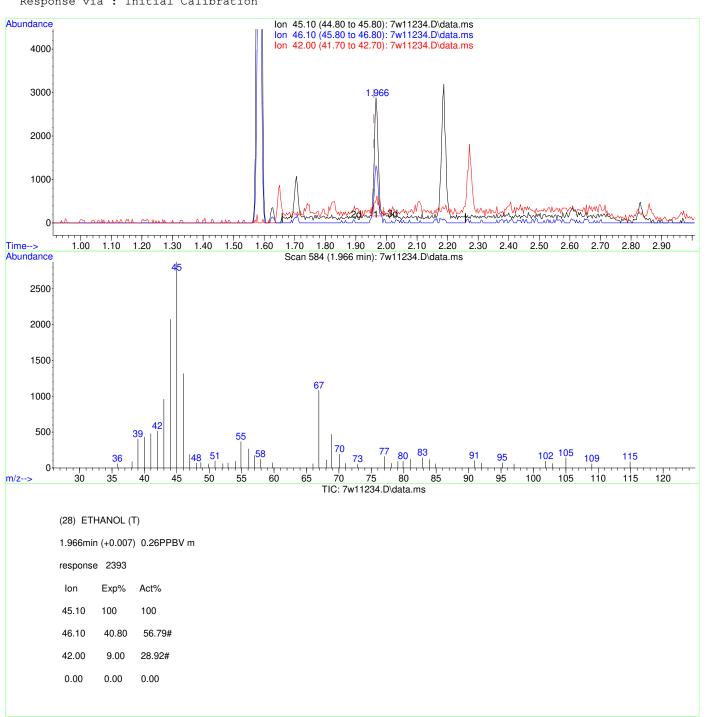
Misc : MS74014, v7w405,,,,,1 ALS Vial Sample Multiplier: 1 : 2

Quant Time: Dec 29 05:54:56 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:07:08 2024

```
Data Path : C:\msdchem\1\data\
Data File: 7w11234.D
                          9:53 am
Acq On
          : 28 Dec 2024
Operator
          : benk
```

: ic405-0.10 Sample

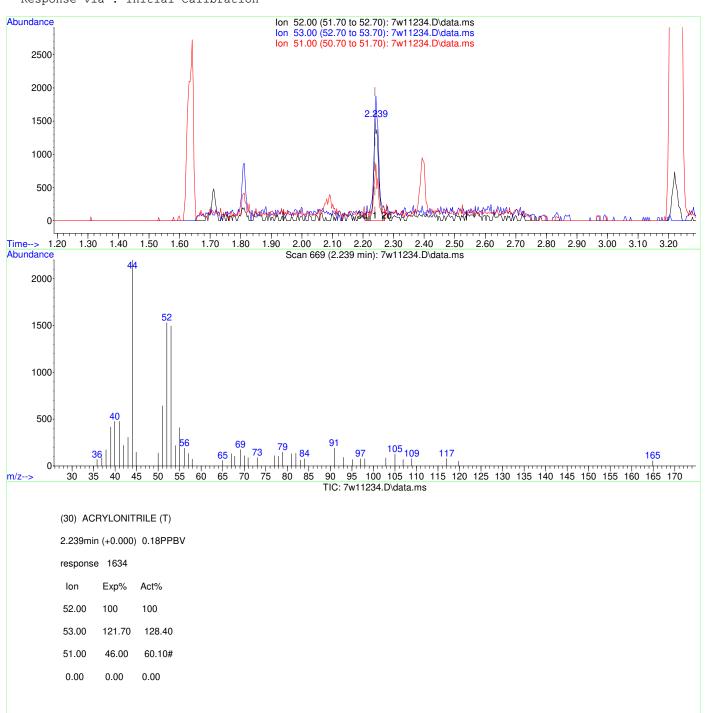
Misc : MS74014, v7w405,,,,,1 ALS Vial Sample Multiplier: 1 : 2

Quant Time: Dec 29 05:54:56 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:09:06 2024

```
Data Path : C:\msdchem\1\data\
Data File: 7w11234.D
                          9:53 am
Acq On
          : 28 Dec 2024
Operator
          : benk
```

: ic405-0.10 Sample

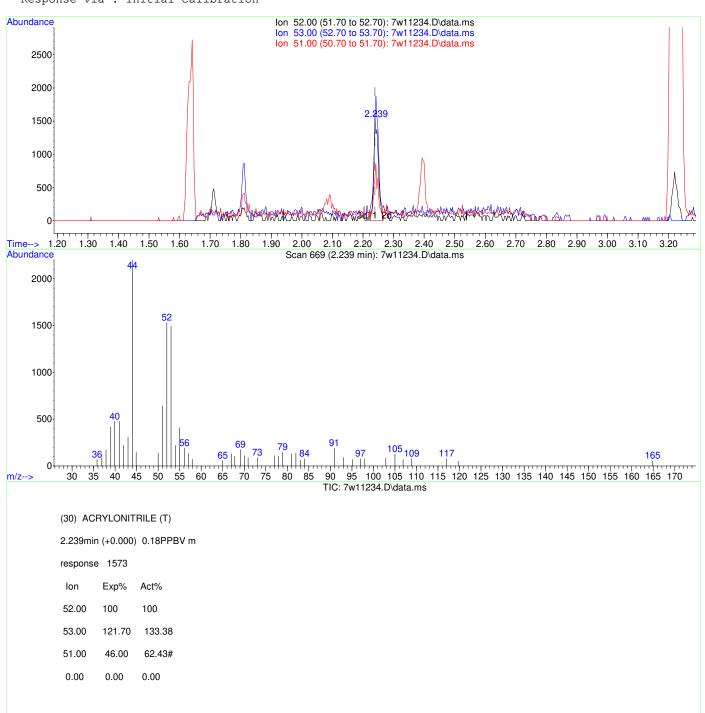
Misc : MS74014, v7w405,,,,,1 ALS Vial Sample Multiplier: 1 : 2

Quant Time: Dec 29 05:54:56 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:09:50 2024

```
Data Path : C:\msdchem\1\data\
Data File: 7w11234.D
                           9:53 am
Acq On
          : 28 Dec 2024
Operator
          : benk
```

: ic405-0.10 Sample

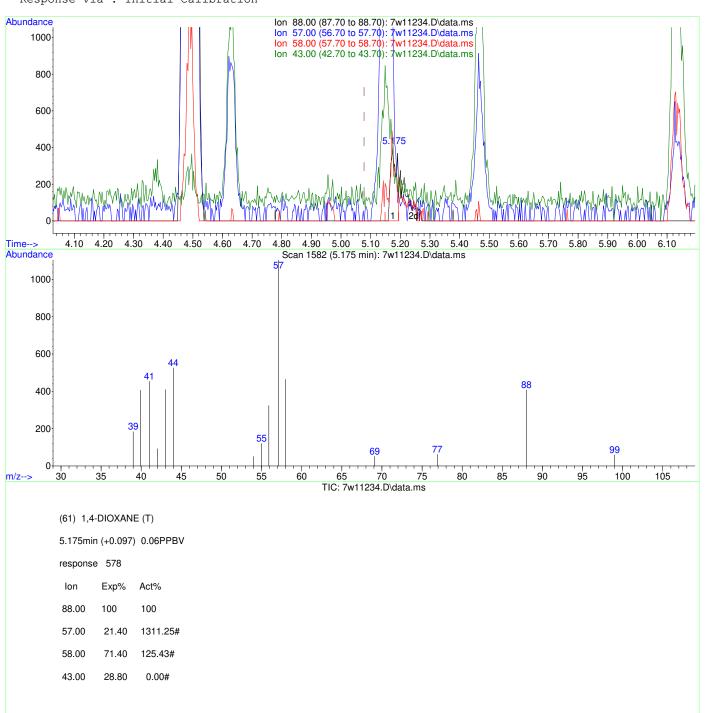
Misc : MS74014, v7w405,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024

Quant Method :  $C:\msdchem\1\methods\M7W405.M$ 

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 06:10:46 2024

```
Data Path : C:\msdchem\1\data\
Data File: 7w11234.D
                           9:53 am
Acq On
          : 28 Dec 2024
Operator
          : benk
```

: ic405-0.10 Sample

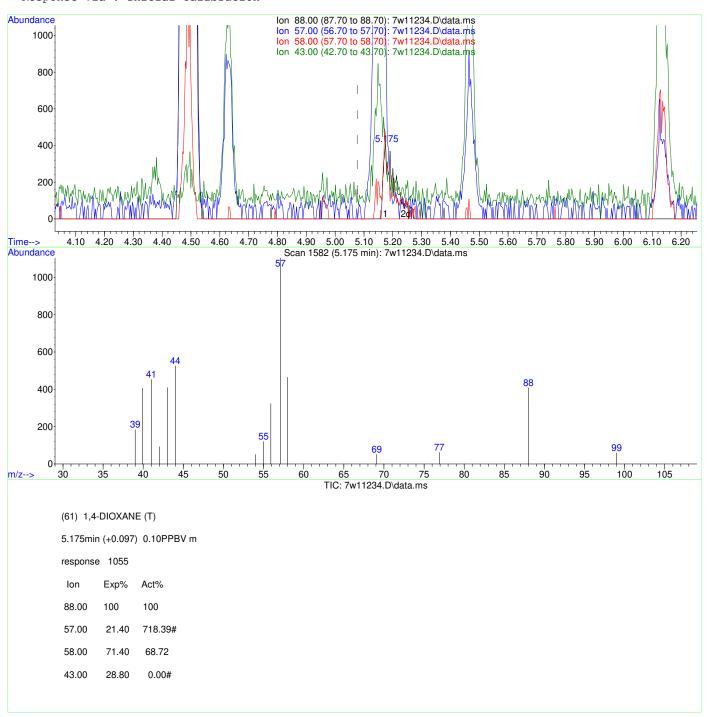
Misc : MS74014, v7w405,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:51:08 2024

Response via : Initial Calibration



**Kanya Veerawat** 12/30/24 00:15

# Quantitation Report (QT Reviewed)

Data Path :  $C:\msdchem\1\data\7w\$ Data File : 7w11235.D : 28 Dec 2024 10:32 am Acq On

: benk : ic405-0.20 Operator Sample

: MS74014, v7w405,,,,,1 Misc ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:28:20 2024

Response via: Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) BROMOCHLOROMETHANE	3.226	128	135376	10.00 PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	684640	10.00 PPBV	
76) CHLOROBENZENE-D5	10.033	117	633519	10.00 PPBV	
1) BROMOCHLOROMETHANE 52) 1,4-DIFLUOROBENZENE 76) CHLOROBENZENE-D5 109) BROMOCHLOROMETHANE (A)	3.226	128	135376	10.00 PPBV	
System Monitoring Compounds 87) 4-BROMOFLUOROBENZENE	13.383	95	453874	9.81 PPBV	0.00
Target Compounds					Qvalue
2) FREON 115	1.596		3166	0.30 PPBV	96
3) FREON 152A	1.625	65	1416	0.21 PPBV	98
3) FREON 152A 4) CHLORODIFLUOROMETHANE 5) CHLOROTRIFLUOROETHENE 6) DICHLORODIFLUOROMETHANE 7) PROPYLENE 8) 1-CHLORO-1,1-DIFLUOROE 9) FREON 114 10) CHLOROMETHANE 11) VINYL CHLORIDE 12) 1,3-BUTADIENE 13) N-BUTANE 14) BROMOMETHANE 15) CHLOROETHANE 15) CHLOROFTLUOROMETHANE 17) ACETONITRILE 18) ACROLEIN 19) FREON 123 20) FREON 123A 21) TRICHLOROFTLUOROMETHANE	1.638	67	685	0.21 PPBV	87
5) CHLOROTRIFLUOROETHENE	1.647	116	3459	0.22 PPBV	98
6) DICHLORODIFLUOROMETHANE	1.667	85	7449	0.22 PPBV	99
7) PROPYLENE	1.647	41	1987	0.24 PPBV	93
8) 1-CHLORO-1,1-DIFLUOROE	1.702	65	5376	0.22 PPBV	# 86
9) FREON 114	1.737	85	5911	0.22 PPBV	9.7
10) CHLOROMETHANE	1.712	52	727	0.23 PPBV	87
II) VINYL CHLORIDE	1.769	62	2419	0.21 PPBV	94
12) I,3-BUTADIENE	1.808	54	2115	0.24 PPBV	88
13) N-BUTANE	1.824	4.3	3862	0.24 PPBV	# 82
14) BROMOMETHANE	1.885	94 61	208I	0.21 PPBV	# 89
16) DIGHT OPOELHODOMETHANE	1.930	67	1245	0.21 PPBV	# 76
16) DICHLOROFLUOROMETHANE	1.950	0 / // 1	5342 2440m	0.22 PPBV	99
17) ACETONITRILE 18) ACROLEIN 19) FREON 123 20) FREON 123A	2.030	41 56	2440III 1250	0.24 PPBV	100
10) EDEON 122	2.000	0.0	1330	0.23 PPDV	100
20) FREON 123 20) FREON 123A	2.075	117	2600	0.21 PPBV	97
21) TRICHLOROFLUOROMETHANE	2.091	101	3000 6612	0.21 PPBV 0.23 PPBV 0.22 PPBV 0.33 PPBV 0.23 PPBV 0.22 PPBV 0.22 PPBV 0.22 PPBV 0.21 PPBV 0.72 PPBV	# 98
21) IRICHDOROF DOOROME THANK	2 204	45	6071	0.22 PPBV	# 98 97
22) ISOPROPYL ALCOHOL	2.204	58	2022m	0.20 FFBV	<i>J</i> 1
23) ACETONE 24) PENTANE 25) IODOMETHANE	2.120	42	2622111	0.33 FFBV	89
25) TODOMETHANE	2 3 3 2 2	142	6124	0.23 FFBV	99
26) 1 1-DICHLOROETHYLENE	2 358	96	2396	0.22 FFBV	91
26) 1,1-DICHLOROETHYLENE 27) CARBON DISULFIDE	2 493	76	6168	0.22 FFBV	# 67
28) ETHANOI.	1 975	45	4943m	0.21 FFBV	π 07
28) ETHANOL 29) BROMOETHENE 30) ACRYLONITRILE	2 030	106	2344	0.22 PPBV	# 96
30) ACRVIONITRILE	2 245	52	2344 3111	0.38 PPBV	π 98
31) METHYLENE CHLORIDE 32) 3-CHLOROPROPENE 33) FREON 113	2 396	84	3137		
32) 3-CHLOROPROPENE	2 435	84 76	1253	0.31 PPBV 0.23 PPBV	67
33) FREON 113	2.493	151	4101	0.23 PPBV	100
33) FREON 113 34) TRANS-1,2-DICHLOROETHENE 35) TERTIARY BUTYL ALCOHOL 36) METHYL TERTIARY BUTYL 37) TETRAHYDROFURAN 38) HEXANE 39) VINYL ACETATE	2.718	96	2503	0.23 PPBV 0.23 PPBV 0.21 PPBV	97
35) TERTIARY BUTYL ALCOHOL	2.429	59	6213m	0.22 PPBV	
36) METHYL TERTIARY BUTYL	2.850	73	7955	0.22 PPBV 0.23 PPBV	# 82
37) TETRAHYDROFURAN	3.544	72	1188	0.20 PPBV	77
38) HEXANE	3.277	57	4751	0.22 PPBV	80
39) VINYL ACETATE	2.866	86	700	0.21 PPBV	# 13
40) 1,1-DICHLOROETHANE	2.795	63	4780	0.21 PPBV	97
41) METHYL ETHYL KETONE	2.985	72	1419	0.23 PPBV	
42) CIS-1,2-DICHLOROETHENE	3.152	96	2745	0.22 PPBV	
43) DIISOPROPYL ETHER	3.303	59	1508	0.25 PPBV	
44) ETHYL ACETATE	3.310	61	982	0.23 PPBV	
45) METHYL ACRYLATE	3.287	55	5637	0.23 PPBV	
46) CHLOROFORM	3.300	83	5495	0.22 PPBV	
47) 2,4-DIMETHYLPENTANE	3.782	57	5377	0.22 PPBV	
48) 1,1,1-TRICHLOROETHANE	3.866	97	5772	0.21 PPBV	
49) CARBON TETRACHLORIDE	4.284	117	5354	0.19 PPBV	

M7W405.M Mon Dec 30 13:58:59 2024

Data Path :  $C:\msdchem\1\data\7w\$ Data File : 7w11235.D Data File : /Wil255.D

Acq On : 28 Dec 2024 10:32 am

Operator : benk

Sample : ic405-0.20

Misc : MS74014, v7w405, , , , , 1

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration

	Compound  1,2-DICHLOROETHANE BENZENE CYCLOHEXANE 2,3-DIMETHYLPENTANE TRICHLOROETHENE 1,2-DICHLOROPROPANE DIBROMOMETHANE ETHYL ACRYLATE BROMODICHLOROMETHANE 2,2,4-TRIMETHYLPENTANE 1,4-DIOXANE HEPTANE METHYL METHACRYLATE METHYL ISOBUTYL KETONE CIS-1,3-DICHLOROPROPENE TOLUENE 1,3-DICHLOROPROPANE TRANS-1,3-DICHLOROPROPENE 1,1,2-TRICHLOROETHANE 2-HEXANONE ETHYL METHACRYLATE ETHYL METHACRYLATE TETRACHLOROETHENE DIBROMOCHLOROMETHANE 1,2-DIBROMOETHANE 1,2-DIBROMOETHANE 1,1,1,2-TETRACHLOROETHANE 1,1,1,2-TETRACHLOROETHANE CCTANE 1,1,1,2-TETRACHLOROETHANE CHLOROBENZENE ETHYLBENZENE M,P-XYLENE	R.T.	QIon	Response	Conc Units I	Dev(Min)
50)	1,2-DICHLOROETHANE	3.702	 62	3890	0.20 PPBV	98
51)	BENZENE	4.175	78	8300	0.23 PPBV	99
53)	CYCLOHEXANE	4.377	84	3553	0.22 PPBV	85
54)	2,3-DIMETHYLPENTANE	4.631	71	1803	0.21 PPBV	92
55)	TRICHLOROETHENE	5.062	95	3668	0.20 PPBV	99
56)	1,2-DICHLOROPROPANE	4.837	63	3210	0.21 PPBV	97
57)	DIBROMOMETHANE	4.792	174	3311	0.21 PPBV	94
58)	ETHYL ACRYLATE	4.975	55	7267	0.22 PPBV	96
59)	BROMODICHLOROMETHANE	5.004	83	5589	0.19 PPBV	92
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	13895	0.21 PPBV	96
61)	1,4-DIOXANE	5.226	88	2954m	0.31 PPBV	
62)	HEPTANE	5.470	43	5154	0.22 PPBV	97
63)	METHYL METHACRYLATE	5.387	69	3544	0.25 PPBV	90
64)	METHYL ISOBUTYL KETONE	6.171	58	4409	0.33 PPBV	96
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	4758	0.19 PPBV	# 81
66)	TOLUENE	7.190	91	10267	0.22 PPBV	99
67)	1,3-DICHLOROPROPANE	7.252	76	4741	0.20 PPBV	98
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	4218	0.18 PPBV	94
69)	1,1,2-TRICHLOROETHANE	6.817	83	2927	0.22 PPBV	95
70)	2-HEXANONE	7.850	58	8903	0.45 PPBV	# 94
71)	ETHYL METHACRYLATE	7.920	69	5702	0.23 PPBV	95
72)	TETRACHLOROETHENE	8.904	164	3981	0.21 PPBV	99
73)	DIBROMOCHLOROMETHANE	7.721	129	5562	0.19 PPBV	99
74)	1,2-DIBROMOETHANE	8.055	107	5085	0.20 PPBV	# 97
75)	OCTANE	9.052	43	7512	0.23 PPBV	96
77)	1,1,1,2-TETRACHLOROETHANE	10.123	131	4267	0.20 PPBV	97
78)	CHLOROBENZENE	10.104	112	7768	0.20 PPBV	98
79)	ETHYLBENZENE	10.991	91	13983	0.23 PPBV	95
80)	1,1,1,2-TETRACHLOROETHANE CHLOROBENZENE ETHYLBENZENE M,P-XYLENE O-XYLENE STYRENE NONANE BROMOFORM 1,1,2,2-TETRACHLOROETHANE 1,2,3-TRICHLOROPROPANE ISOPROPYLBENZENE BROMOBENZENE 2-CHLOROTOLUENE N-PROPYLBENZENE 4-ETHYLTOLUENE 1,3,5-TRIMETHYLBENZENE ALPHA-METHYLSTYRENE TERT-BUTYLBENZENE 1,2,4-TRIMETHYLBENZENE BENZYL CHLORIDE N DIGNERAL STREET	11.425	91	20795	0.42 PPBV	96
8T)	O-XYLENE	12.341	91	10737	0.22 PPBV	94
82)	STYRENE	12.142	104	7305	0.20 PPBV	100
83)	NONANE	13.470	43	7304	0.22 PPBV	97
84)	BROMOFORM	11.219	173	4859	0.19 PPBV	98
85)	1,1,2,2-TETRACHLOROETHANE	12.361	83	6988	0.21 PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.640	100	5385	0.20 PPBV	# 99
88)	ISOPROPYLBENZENE	13.859	120 77	3932	0.20 PPBV	91
89)	BROMOBENZENE	14 052	126	7079	0.20 PPBV	99 99
90)	N DDODYLDENZENE	15 107	120	3430 2011	0.19 PPBV	99
91)	V-brobingene	15.197	105	3014 1/151	0.13 PPDV	# 98
92)	1 2 E TOTMETUVI DENZENE	15.040	105	12006	0.20 PPBV	# 96 97
93)	T, 3, 3 - IKIMEINILDENZENE	16 216	110	5670	0.20 PPBV	99
95)	TERT-RUTYLBENZENE	16 525	134	2992	0.10 FFBV	95
961	1 2 A_TPIMETHVI.RENZENE	16 534	105	12308	0.21 FFBV	99
971	RENZVI. CHIORIDE	16 624	91	9192	0.20 FFBV	99
981	1,2,4-TRIMETHYLBENZENE BENZYL CHLORIDE M-DICHLOROBENZENE P-DICHLOROBENZENE O-DICHLOROBENZENE SEC-BUTYLBENZENE	16 598	146	7938	0.16 PPBV 0.19 PPBV	98
99)	P-DICHLOROBENZENE	16 692	146	8082	0.19 PPBV 0.20 PPBV 0.20 PPBV	99
100)	O-DICHLOROBENZENE	17 010	146	7837	0.20 PPBV	99
101)	SEC-BUTYLBENZENE	16 836	134	3638	0.20 PPBV	98
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	12052	0.20 PPBV	97
	P-ISOPROPYLTOLUENE	17.033		4106	0.21 PPBV	98
	N-BUTYLBENZENE	17.399		3733	0.19 PPBV	94
	HEXACHLOROETHANE	17.573		4492	0.19 PPBV	97
,	HEXACHLOROBUTADIENE	18.634	225	5552	0.19 PPBV	100
,		18.322		5074	0.14 PPBV	96
	NAPHTHALENE	18.370		9939	0.13 PPBV	98
	TVHC as equiv Pentane			12241m	0.22 PPBV	

Data Path : C:\msdchem\1\data\7w\ Data File: 7w11235.D Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:28:20 2024

Response via : Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path :  $C:\msdchem\1\data\7w\$ Data File: 7w11235.D Acq On : 28 Dec 2024 10:32 am

Operator : benk

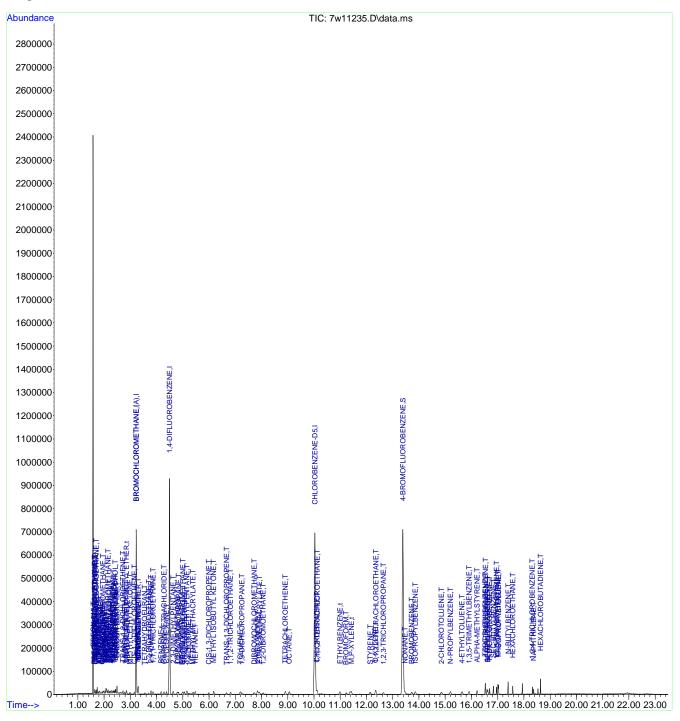
: ic405-0.20 Sample Misc : MS74014, v7w405,,,,,1 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:28:20 2024

Response via : Initial Calibration



# **Manual Integration Approval Summary**

Sample Number: V7W405-IC405 Method: TO-15

 Lab FileID:
 7W11235.D
 Analyst approved:
 12/30/24 00:11
 Kanya Veerawat

 Injection Time:
 12/28/24 10:32
 Supervisor approved:
 12/30/24 00:15
 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethanol	64-17-5		1.98	Poor instrument integration
Acetonitrile	75-05-8		2.03	Poor instrument integration
Acetone (2-Propanone)	67-64-1		2.12	Poor instrument integration
TVHC As Equiv Pentane			2.27	Missed peak
Tertiary Butyl Alcohol	75-65-0		2.43	Missed peak
1,4-Dioxane	123-91-1		5.23	Poor instrument integration

Data Path : C:\msdchem\1\data\ Data File: 7w11235.D Acq On : 28 Dec 2024 10:32 am Operator : benk

: ic405-0.20 Sample

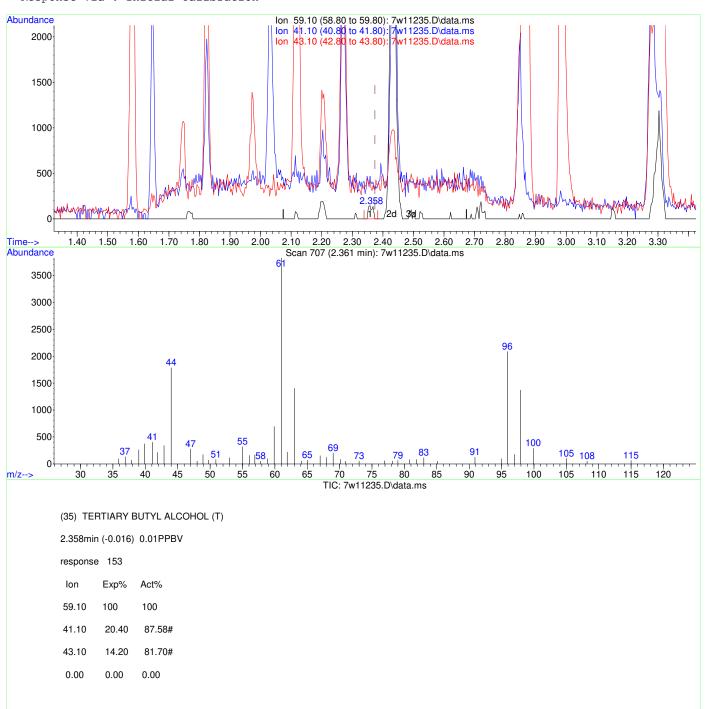
Misc : MS74014, v7w405,,,,,1 ALS Vial Sample Multiplier: 1 : 2

Quant Time: Dec 29 05:29:55 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:28:20 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 05:30:38 2024

```
Data Path : C:\msdchem\1\data\
Data File: 7w11235.D
                        10:32 am
Acq On
          : 28 Dec 2024
Operator
         : benk
```

: ic405-0.20 Sample

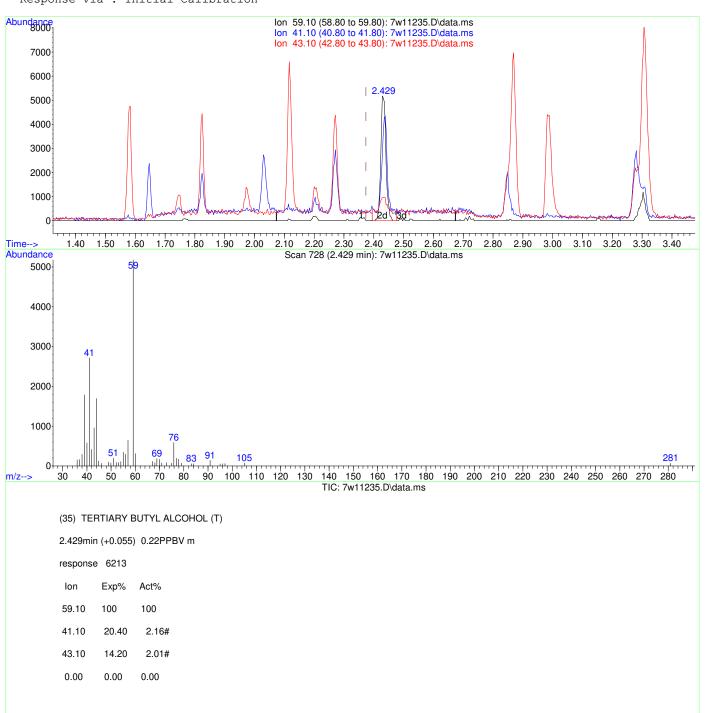
Misc : MS74014, v7w405,,,,,1 ALS Vial Sample Multiplier: 1 : 2

Quant Time: Dec 29 05:29:55 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:28:20 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 05:31:14 2024

Data Path : C:\msdchem\1\data\ Data File: 7w11235.D Acq On : 28 Dec 2024 10:32 am Operator : benk

: ic405-0.20 Sample

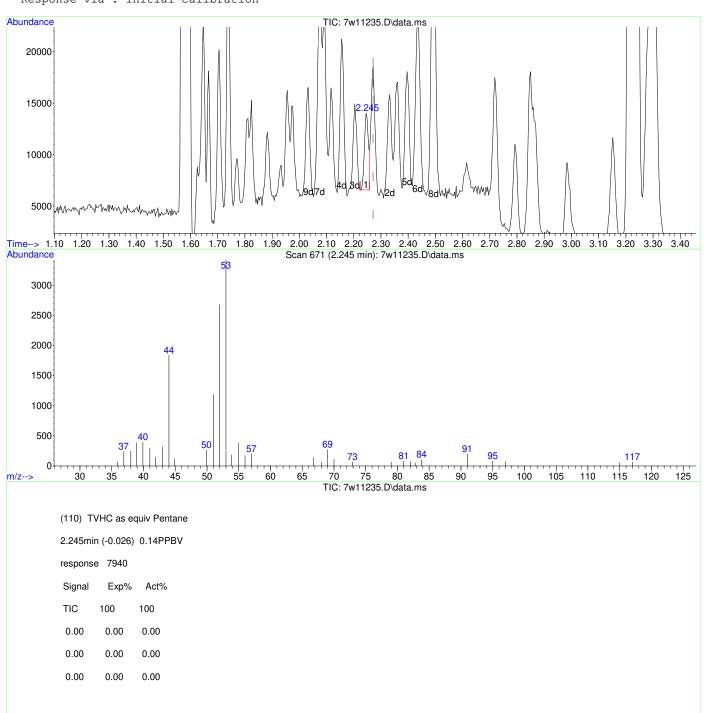
: MS74014, v7w405,,,,,1 Misc Sample Multiplier: 1 ALS Vial : 2

Quant Time: Dec 29 05:29:55 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:28:20 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 05:32:11 2024

```
Data Path : C:\msdchem\1\data\
Data File: 7w11235.D
Acq On
          : 28 Dec 2024
                        10:32 am
Operator
          : benk
```

: ic405-0.20 Sample

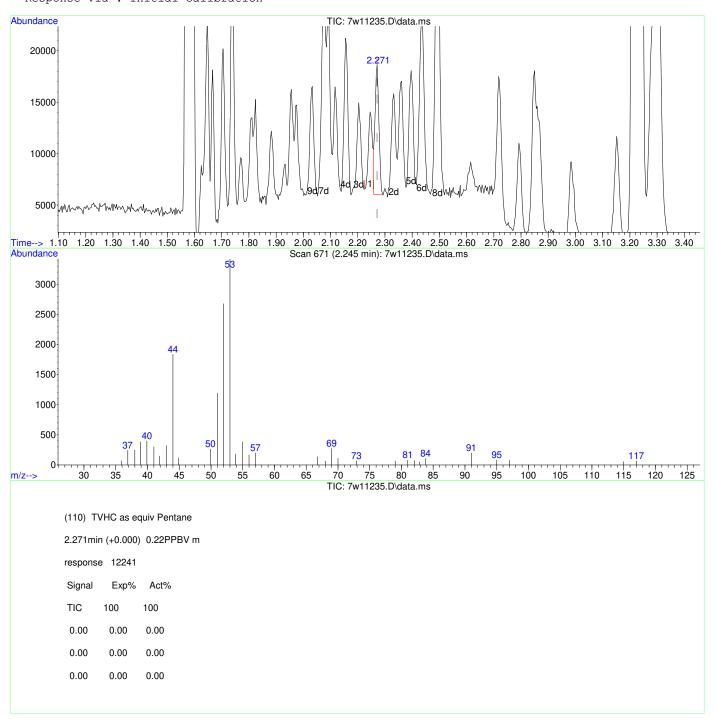
: MS74014, v7w405,,,,,1 Misc Sample Multiplier: 1 ALS Vial : 2

Quant Time: Dec 29 05:29:55 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:28:20 2024

Response via : Initial Calibration



```
Data Path : C:\msdchem\1\data\
Data File: 7w11235.D
Acq On
          : 28 Dec 2024
                        10:32 am
Operator
          : benk
```

: ic405-0.20 Sample

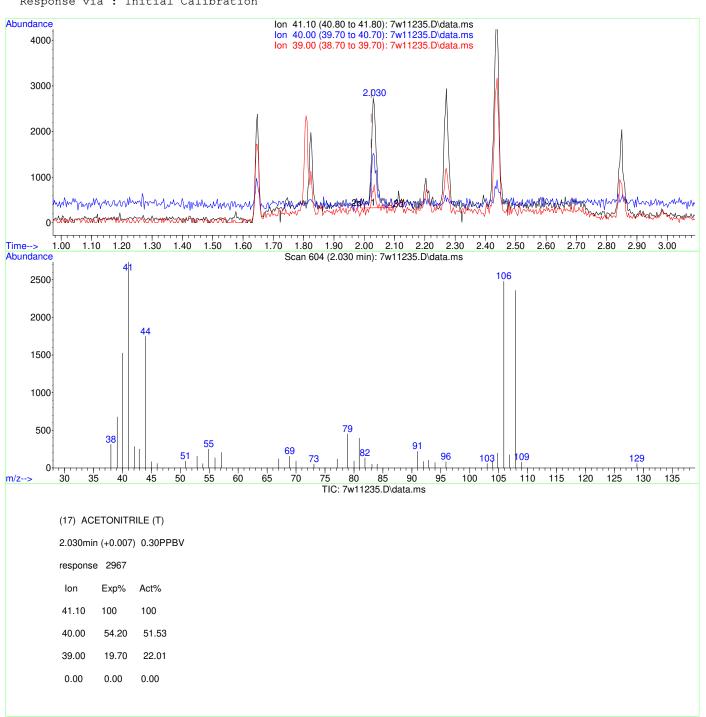
Misc : MS74014, v7w405,,,,,1 ALS Vial Sample Multiplier: 1 : 2

Quant Time: Dec 29 05:32:56 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:28:20 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 05:42:34 2024

Data Path : C:\msdchem\1\data\ Data File: 7w11235.D Acq On : 28 Dec 2024 10:32 am Operator : benk

: ic405-0.20 Sample

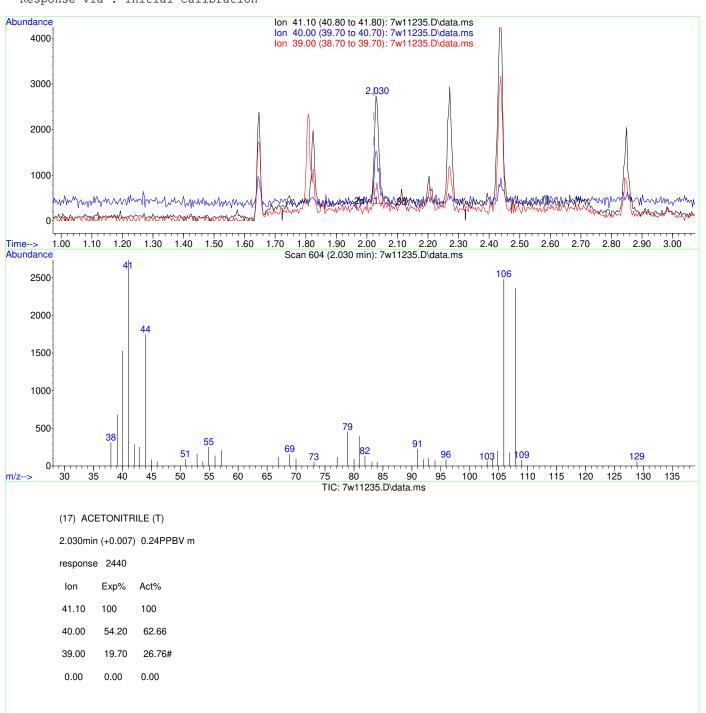
Misc : MS74014, v7w405,,,,,1 ALS Vial Sample Multiplier: 1 : 2

Quant Time: Dec 29 05:32:56 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:28:20 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 05:43:20 2024

```
Data Path : C:\msdchem\1\data\
Data File: 7w11235.D
Acq On
          : 28 Dec 2024
                        10:32 am
Operator
         : benk
```

: ic405-0.20 Sample

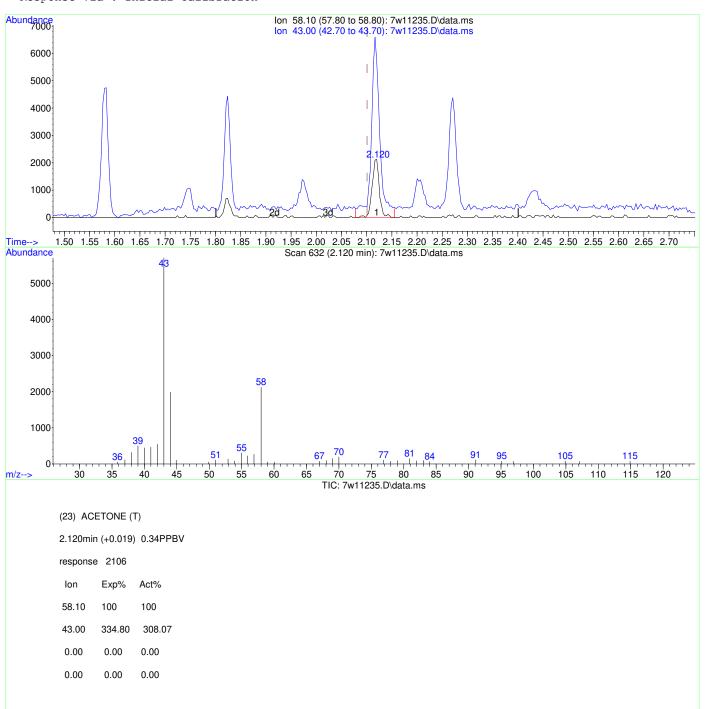
: MS74014, v7w405,,,,,1 Misc ALS Vial Sample Multiplier: 1 : 2

Quant Time: Dec 29 05:32:56 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:28:20 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 05:44:07 2024

```
Data Path : C:\msdchem\1\data\
Data File: 7w11235.D
Acq On
          : 28 Dec 2024
                        10:32 am
Operator
         : benk
```

: ic405-0.20 Sample

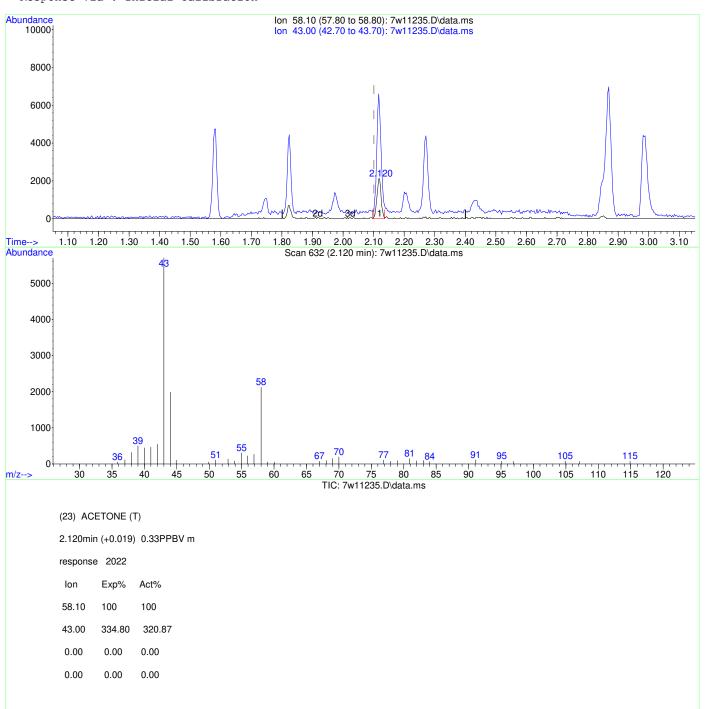
: MS74014, v7w405,,,,,1 Misc ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:28:20 2024

Response via : Initial Calibration



```
Data Path : C:\msdchem\1\data\
Data File: 7w11235.D
Acq On
          : 28 Dec 2024
                        10:32 am
Operator
          : benk
```

: ic405-0.20 Sample

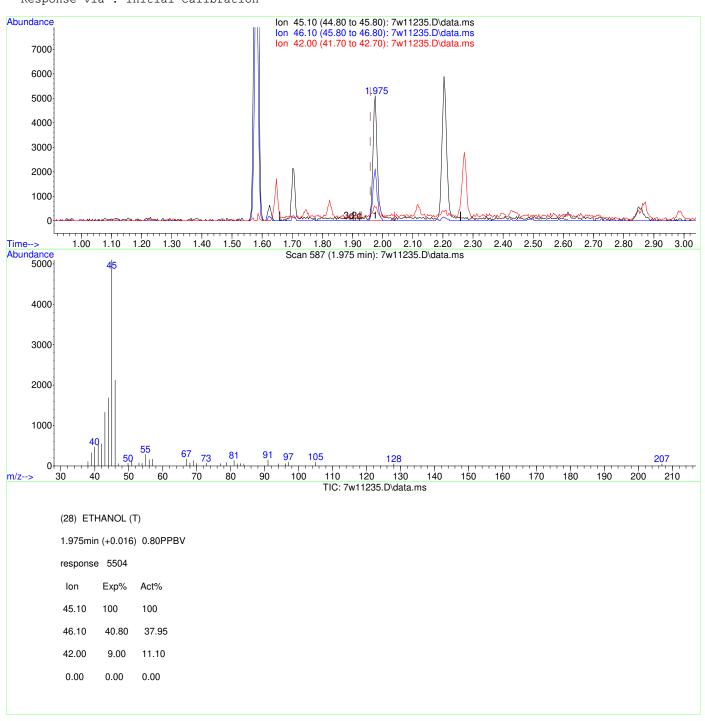
Misc : MS74014, v7w405,,,,,1 Sample Multiplier: 1 ALS Vial : 2

Quant Time: Dec 29 05:32:56 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:28:20 2024

Response via : Initial Calibration



```
Data Path : C:\msdchem\1\data\
Data File: 7w11235.D
Acq On
          : 28 Dec 2024
                        10:32 am
Operator
          : benk
```

: ic405-0.20 Sample

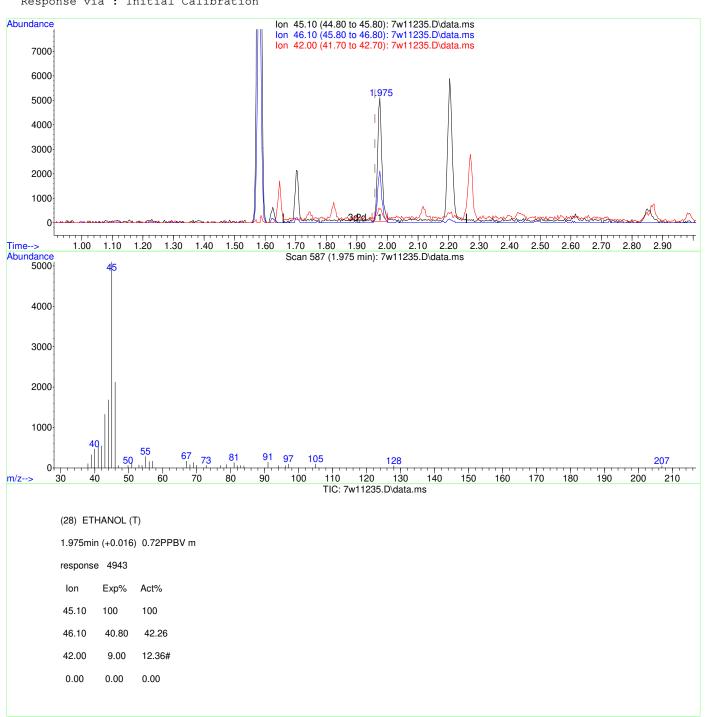
Misc : MS74014, v7w405,,,,,1 Sample Multiplier: 1 ALS Vial : 2

Quant Time: Dec 29 05:32:56 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:28:20 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 05:46:28 2024

```
Data Path : C:\msdchem\1\data\
Data File: 7w11235.D
Acq On
          : 28 Dec 2024
                        10:32 am
Operator
          : benk
```

: ic405-0.20 Sample

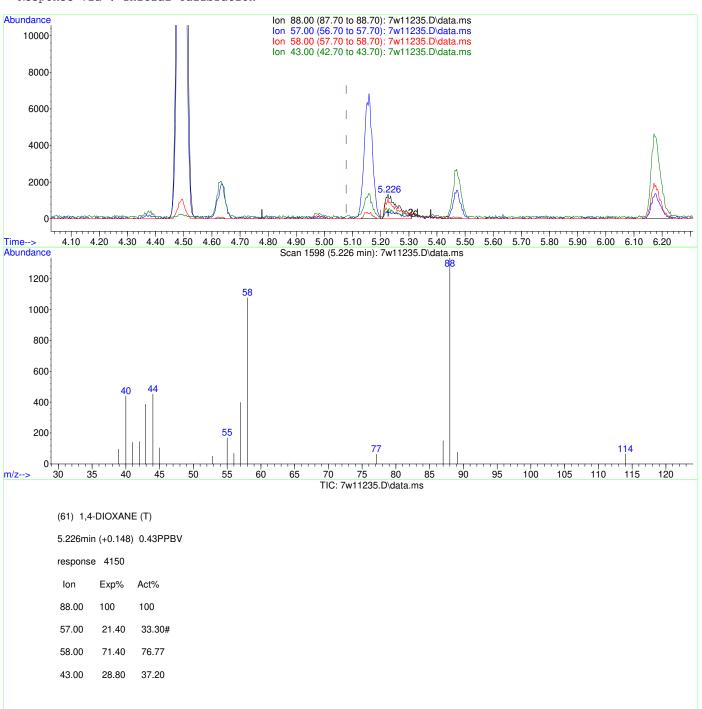
Misc : MS74014, v7w405,,,,,1 ALS Vial Sample Multiplier: 1 : 2

Quant Time: Dec 29 05:32:56 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:28:20 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 05:48:30 2024

```
Data Path : C:\msdchem\1\data\
Data File: 7w11235.D
Acq On
          : 28 Dec 2024
                        10:32 am
Operator
          : benk
```

: ic405-0.20 Sample

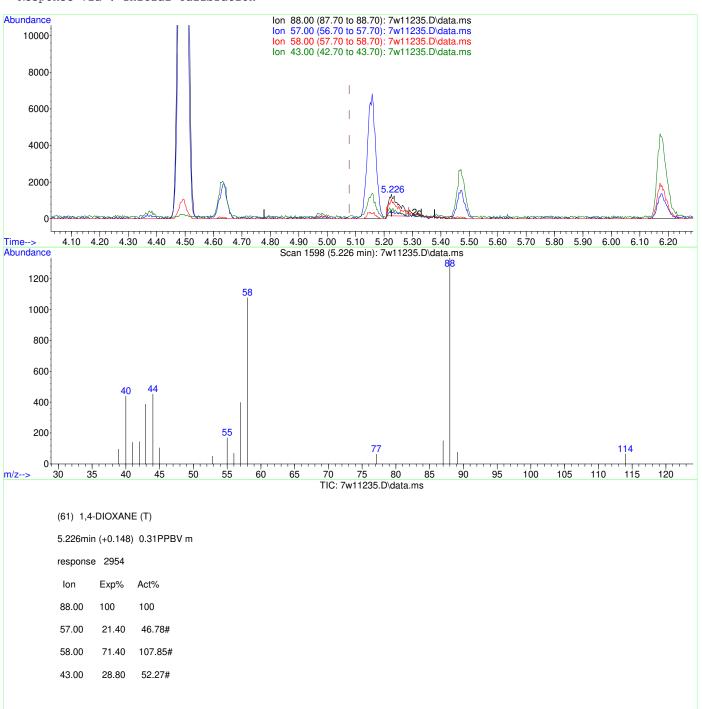
Misc : MS74014, v7w405,,,,,1 ALS Vial Sample Multiplier: 1 : 2

Quant Time: Dec 29 05:32:56 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:28:20 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 05:49:53 2024

**Kanya Veerawat** 12/30/24 00:15

# Quantitation Report (QT Reviewed)

Data Path :  $C:\msdchem\1\data\7w\$ Data File : 7w11237.D : 28 Dec 2024 11:51 am Acq On

: benk : ic405-0.50 Operator Sample

: MS74014, v7w405,,,,,1 Misc ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:06:59 2024

Response via: Initial Calibration

Respo	iise via · iiiitiai talibiati		0.7	_		. (25' )
	Compound	R.T.	QIon 	Response	Conc Units I	Dev(Mın)
Inte	rnal Standards					
1)	BROMOCHLOROMETHANE	3.226	128	130126	10.00 PPBV 10.00 PPBV	0.00
52)	1,4-DIFLUOROBENZENE	4.493	114	661732	10.00 PPBV	0.00
76)	CHLOROBENZENE-D5	10.030	117	600657	10.00 PPBV 10.00 PPBV	0.00
109)	BROMOCHLOROMETHANE 1,4-DIFLUOROBENZENE CHLOROBENZENE-D5 BROMOCHLOROMETHANE (A)	3.226	128	130126	10.00 PPBV	0.00
Svst	em Monitoring Compounds					
87)	em Monitoring Compounds 4-BROMOFLUOROBENZENE	13.380	95	428848	9.74 PPBV	0.00
Targ	et Compounds FREON 115 FREON 152A CHLORODIFLUOROMETHANE CHLOROTRIFLUOROETHENE DICHLORODIFLUOROMETHANE PROPYLENE 1-CHLORO-1,1-DIFLUOROE FREON 114 CHLOROMETHANE VINYL CHLORIDE 1,3-BUTADIENE N-BUTANE BROMOMETHANE CHLOROFLUOROMETHANE ACETONITRILE ACROLEIN FREON 123 FREON 123A TRICHLOROFLUOROMETHANE ISOPROPYL ALCOHOL ACETONE PENTANE IODOMETHANE 1,1-DICHLOROETHYLENE CARBON DISULFIDE ETHANOL BROMOETHENE ACRYLONITRILE METHYLENE CHLORIDE 3-CHLOROPROPENE FREON 113 TRANS-1,2-DICHLOROETHENE TERTIARY BUTYL ALCOHOL METHYL TERTIARY BUTYL TETRAHYDROFURAN HEXANE VINYL ACETATE 1,1-DICHLOROETHANE METHYL ETHYL KETONE					Qvalue
2)	FREON 115	1.596	119	7461	0.80 PPBV	97
3)	FREON 152A	1.628	65	3457	0.54 PPBV	98
4)	CHLORODIFLUOROMETHANE	1.641	67	1753	0.56 PPBV	93
5)	CHLOROTRIFLUOROETHENE	1.650	116	8201	0.53 PPBV	98
6)	DICHLORODIFLUOROMETHANE	1.667	85	17786	0.54 PPBV	99
7)	PROPYLENE	1.647	41	4729	0.61 PPBV	96
8)	1-CHLORO-1,1-DIFLUOROE	1.705	65	13030	0.55 PPBV	97
9)	FREON 114	1.737	85	14652	0.56 PPBV	100
10)	CHLOROMETHANE	1.708	52	1636	0.53 PPBV	89
11)	VINYL CHLORIDE	1.769	62	5781	0.52 PPBV	99
12)	1,3-BUTADIENE	1.808	54	4670	0.56 PPBV	85
13)	N-BUTANE	1.824	43	9329	0.60 PPBV	# 93
14)	BROMOMETHANE	1.885	94	5284	0.56 PPBV	98
15)	CHLOROETHANE	1.933	64	3113	0.55 PPBV	95
16)	DICHLOROFLUOROMETHANE	1.956	67	12553	0.55 PPBV	97
17)	ACETONITRILE	2.027	41	5180	0.55 PPBV	98
18)	ACROLEIN	2.065	56	2982	0.60 PPBV	92
19)	FREON 123	2.075	83	13106	0.55 PPBV	98
20)	FREON 123A	2.094	117	8580	0.57 PPBV	98
21)	TRICHLOROFLUOROMETHANE	2.155	101	15558	0.54 PPBV	94
22)	ISOPROPYL ALCOHOL	2.184	45	12758	0.57 PPBV	94
23)	ACETONE	2.107	58	3383	0.59 PPBV	95
24)	PENTANE	2.271	42	6568	0.59 PPBV	99
25)	LODOMETHANE	2.332	142	15154	0.57 PPBV	100
26)	1,1-DICHLOROETHYLENE	2.358	96	6019	0.58 PPBV	93
27)	CARBON DISULFIDE	2.493	76	15/35	0.55 PPBV	# 87
28)	ETHANOL	1.962	45	4727m	0.78 PPBV	
29)	BROMOETHENE	2.030	T06	5411	0.54 PPBV	# 93
30)	ACRYLONITRILE	2.242	52	4847	0.63 PPBV	94
31)	METHYLENE CHLORIDE	2.396	84	6063m	0.66 PPBV	0.0
3∠) 22\	3-CHLOROPROPENE	2.438	/b	2853	0.54 PPBV	99
33)	FREUN 113	2.490	T2T	932 <del>4</del>	0.54 PPBV	97
34)	TRANS-I, Z-DICHLOROEIHENE	2.710	90	0105	0.55 PPBV	97
35)	MEMILY MEDITARY BUTYL ALCOHOL	2.396	59	14539	0.54 PPBV	92
30)	METHYL TERTIARY BUTYL	2.830	73	18535	0.50 PPBV	# 94
3/)	I E I RAH I DROF URAN	3.343	/ Z	2970 11414	0.54 PPBV	93
30)	HEAANE	3.4//	0.0	11414	0.57 PPBV	96
39)	VINYL ACETATE	2.863	60	11000	0.56 PPBV	100
40)	1,1-DICHLOROETHANE	2.792	63	11928	0.56 PPBV	100
41)	METHYL ETHYL KETONE	2.965	72	3166	0.55 PPBV	95
	CIS-1,2-DICHLOROETHENE	3.152	96	6909	0.57 PPBV	96
	DIISOPROPYL ETHER	3.284	59	3289	0.57 PPBV	96 06
	ETHYL ACETATE	3.290	61	2317	0.56 PPBV	96
	METHYL ACRYLATE	3.277	55	13660	0.56 PPBV	
,	CHLOROFORM	3.297	83	13724	0.58 PPBV	98
	2,4-DIMETHYLPENTANE	3.785		12969	0.56 PPBV	97
	1,1,1-TRICHLOROETHANE CARBON TETRACHLORIDE	3.863		14399	0.56 PPBV	99 100
49)	CARDON IEIRACHLORIDE	4.284	117	13974	0.50 PPBV	100

M7W405.M Mon Dec 30 13:59:01 2024

Data Path :  $C:\msdchem\1\data\7w\$ Data File : 7w11237.D : 28 Dec 2024 11:51 am Acq On

Acq On : 28 Dec 2024 11.51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units De	v(Min)
50)	1,2-DICHLOROETHANE	3.702	62	10257	0.56 PPBV	99
,	BENZENE	4.171	78	19367 8799 4644 9453	0.57 PPBV	99
53)	CYCLOHEXANE	4.374	84	8799	0.56 PPBV	96
54)	2,3-DIMETHYLPENTANE	4.634	71	4644	0.58 PPBV	97
	TRICHLOROETHENE	5.059	95	9453	0.55 PPBV	95
56)	1,2-DICHLOROPROPANE	4.04/	63	7706 8465	0.53 PPBV	99
	DIBROMOMETHANE	4.792	174	8465	0.57 PPBV	98
58)	ETHYL ACRYLATE	4.956	55	16033	0.50 PPBV	96
59)	BROMODICHLOROMETHANE	5.007	83	14110	0.50 PPBV	95
60)	2,2,4-TRIMETHYLPENTANE	5.152 5.139 5.467	83 57 88 43	35677 4905 13181 7721 6846	0.56 PPBV	100
61)	1,4-DIOXANE	5.139	88	4905	0.53 PPBV #	
62)	HEPTANE	5.467	43	13181	0.59 PPBV	96
63)	METHYL METHACRYLATE	5.371	69	7721	0.56 PPBV	98
64)	METHYL ISOBUTYL KETONE	6.116	58	6846	0.53 PPBV	94
65)	CIS-1,3-DICHLOROPROPENE	5.988	75	12166	0.51 PPBV	96
66)	TOLUENE	7.184	91	24314	0.53 PPBV	99
67)	1,3-DICHLOROPROPANE	7.245	76	11960	0.53 PPBV	
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	10484	0.46 PPBV	
69)	1,1,2-TRICHLOROETHANE	6.817	83	7092	0.54 PPBV	98
70)	2-HEXANONE	7.788	58	9642	0.50 PPBV	98
71)	ETHYL METHACRYLATE	7.898	69	12529	0.51 PPBV	99
72)	TETRACHLOROETHENE	8.904	164	9969	0.56 PPBV	99
73)	DIBROMOCHLOROMETHANE	7.72I	129	14205	0.49 PPBV	98
74)	2,2,4-TRIMETHYLPENTANE 1,4-DIOXANE HEPTANE METHYL METHACRYLATE METHYL ISOBUTYL KETONE CIS-1,3-DICHLOROPROPENE TOLUENE 1,3-DICHLOROPROPANE TRANS-1,3-DICHLOROPROPENE 1,1,2-TRICHLOROETHANE 2-HEXANONE ETHYL METHACRYLATE TETRACHLOROETHENE DIBROMOCHLOROMETHANE 1,2-DIBROMOETHANE 1,2-DIBROMOETHANE 1,1,1,2-TETRACHLOROETHANE CHLOROBENZENE	8.055	10 /	13114	0.53 PPBV	99
/5)	OCTANE	9.055	131	1/33/	0.55 PPBV	98
770	I,I,I,Z-TETRACHLORUETHANE	10.113	111	10660 19943	0.53 PPBV 0.55 PPBV	97 99
70)	CHLOROBENZENE ETHYLBENZENE	10.103	01	19943	0.55 PPBV 0.56 PPBV	
201	M D-AAL ENE ETUTPENZENE	11 //0	91	32514 51003	1.10 PPBV	
81 )	M,P-XYLENE O-XYLENE STYRENE NONANE BROMOFORM 1,1,2,2-TETRACHLOROETHANE 1,2,3-TRICHLOROPROPANE ISOPROPYLBENZENE BROMOBENZENE	12 341	91	25344	0.55 PPBV	99
82)	STYPENE	12.341	104	18328	0.55 FFBV 0.51 PPBV	99
83)	NONANE	13 470	43	17721	0.51 11BV 0.55 PPBV	
84)	BROMOFORM	11.219	173	12250	0.49 PPBV	100
85)	1.1.2.2-TETRACHLOROETHANE	12.351	83	17300	0.49 PPBV 0.54 PPBV	99
86)	1,2,3-TRICHLOROPROPANE	12.640	75	13495	0.52 PPBV #	99
88)	ISOPROPYLBENZENE	13.849	120	9703	0.52 PPBV	97
89)	BROMOBENZENE	13.714	77	17543 8301	0.51 PPBV	97
	2-CHLOROTOLUENE	14.849	126	8301	0.48 PPBV	99
91)	N-PROPYLBENZENE	15.190	120	9518	0.49 PPBV	
92)	2-CHLOROTOLUENE N-PROPYLBENZENE 4-ETHYLTOLUENE	15.640	105	34399	0.50 PPBV #	99
93)	1,3,5-TRIMETHYLBENZENE	15.190 15.640 15.914	105	29336	0.51 PPBV	98
94)	ALPHA-METHYLSTYRENE TERT-BUTYLBENZENE	16.209	118	13890 7147	0.46 PPBV	98
95)	TERT-BUTYLBENZENE	16.524	134	7147	0.52 PPBV	99
96)	1,2,4-TRIMETHYLBENZENE BENZYL CHLORIDE M-DICHLOROBENZENE P-DICHLOROBENZENE O-DICHLOROBENZENE	16.534	105	29945 22336	0.52 PPBV	100
97)	BENZYL CHLORIDE	16.624	91	22336	0.41 PPBV	98
98)	M-DICHLOROBENZENE	16.595	146	19313 19478	0.48 PPBV	99
99)	P-DICHLOROBENZENE	16.688	146	19478		
100)	O-DICHLOROBENZENE	17.007	146	18748	0.51 PPBV	99
		16.836			0.52 PPBV	99
	1,2,3-TRIMETHYLBENZENE	16.952	105	29312	0.51 PPBV	100
	P-ISOPROPYLTOLUENE	17.029	134	9615	0.50 PPBV	95
,	N-BUTYLBENZENE	17.393		9503	0.50 PPBV	99
	HEXACHLOROETHANE	17.573		10657	0.46 PPBV	98
	HEXACHLOROBUTADIENE 1,2,4-TRICHLOROBENZENE	18.630		13635 13109	0.48 PPBV	99
	NAPHTHALENE	18.322 18.367		25591	0.36 PPBV 0.32 PPBV	98 100
	TVHC as equiv Pentane	2.271	TIC	31378m	0.52 PPBV 0.58 PPBV	100
,					0.30 FFBV	

468 of 516

JE5018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\ Data File: 7w11237.D Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path :  $C:\msdchem\1\data\7w\$ Data File: 7w11237.D Acq On : 28 Dec 2024 11:51 am

Operator : benk

: ic405-0.50 Sample

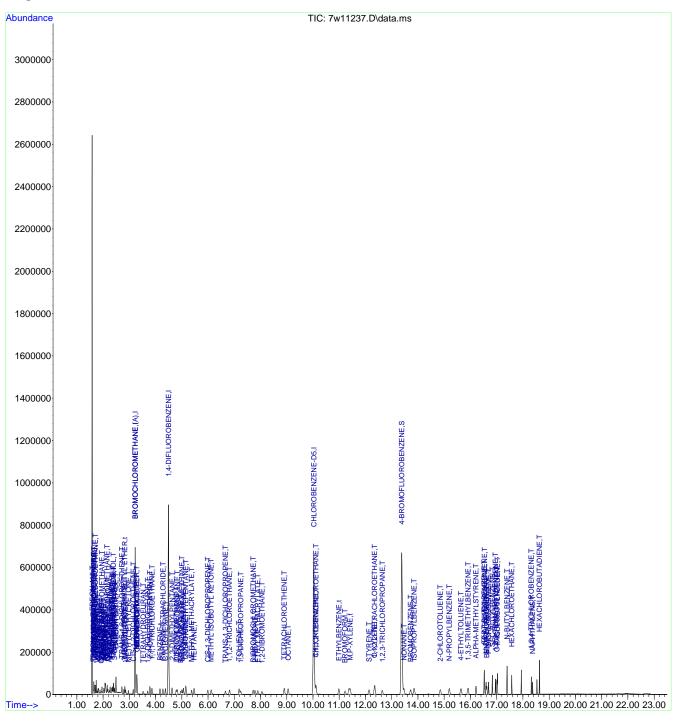
Misc : MS74014, v7w405,,,,,1 Sample Multiplier: 1 ALS Vial : 3

Quant Time: Dec 29 05:20:53 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:06:59 2024

Response via : Initial Calibration



M7W405.M Mon Dec 30 13:59:01 2024

Page: 4

# **Manual Integration Approval Summary**

Sample Number: V7W405-IC405 Method: TO-15

 Lab FileID:
 7W11237.D
 Analyst approved:
 12/30/24 00:11
 Kanya Veerawat

 Injection Time:
 12/28/24 11:51
 Supervisor approved:
 12/30/24 00:15
 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethanol	64-17-5		1.96	Poor instrument integration
TVHC As Equiv Pentane			2.27	Poor instrument integration
Methylene chloride	75-09-2		2.40	Poor instrument integration

Data Path : C:\msdchem\1\data\ Data File: 7w11237.D Acq On : 28 Dec 2024 11:51 am Operator : benk

: ic405-0.50 Sample

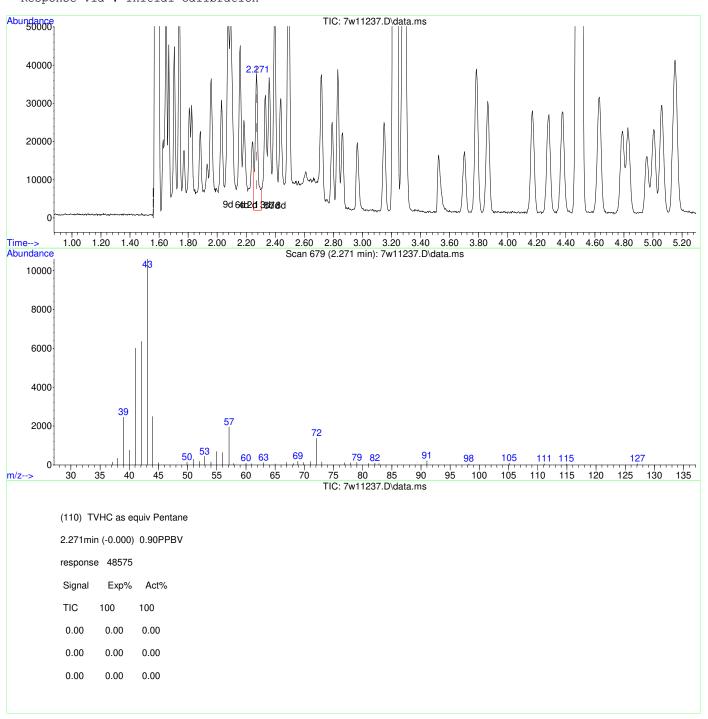
: MS74014, v7w405,,,,,1 Misc ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024

Quant Method :  $C:\msdchem\1\methods\M7W405.M$ 

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:06:59 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 05:15:02 2024

Data Path : C:\msdchem\1\data\ Data File: 7w11237.D Acq On : 28 Dec 2024 11:51 am Operator : benk

: ic405-0.50 Sample

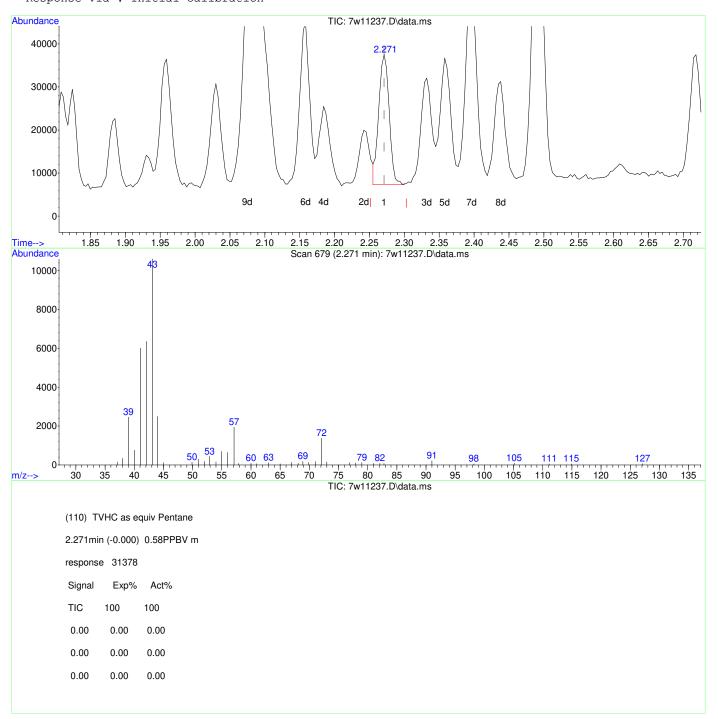
: MS74014, v7w405,,,,,1 Misc ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024

Quant Method :  $C:\msdchem\1\methods\M7W405.M$ 

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:06:59 2024

Response via : Initial Calibration



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Data Path : C:\msdchem\1\data\
Data File: 7w11237.D
Acq On
          : 28 Dec 2024
                        11:51 am
         : benk
Operator
```

: ic405-0.50 Sample

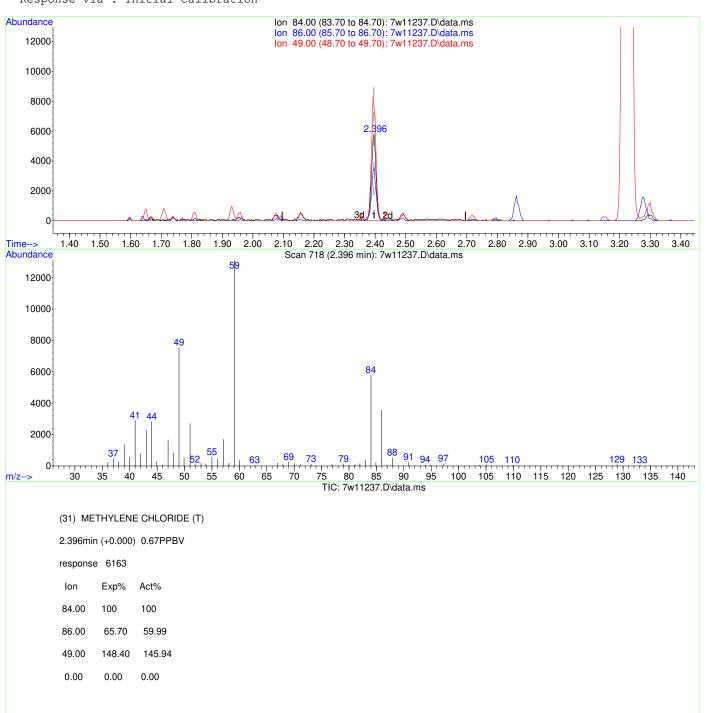
Misc : MS74014, v7w405,,,,,1 ALS Vial Sample Multiplier: 1 : 3

Quant Time: Dec 29 05:09:53 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:06:59 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 05:18:04 2024

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Data Path : C:\msdchem\1\data\
Data File: 7w11237.D
Acq On
          : 28 Dec 2024
                        11:51 am
         : benk
Operator
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: ic405-0.50 Sample

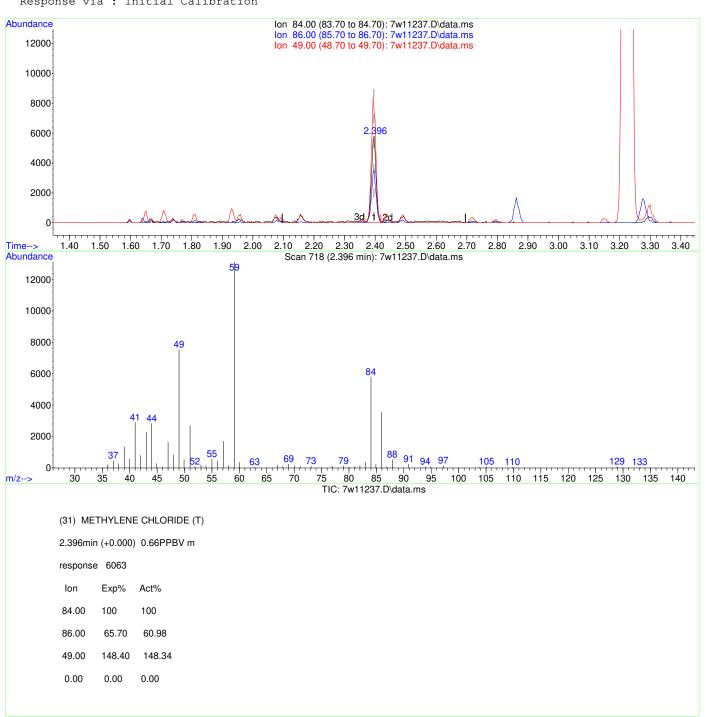
Misc : MS74014, v7w405,,,,,1 ALS Vial Sample Multiplier: 1 : 3

Quant Time: Dec 29 05:09:53 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:06:59 2024

Response via : Initial Calibration



M7W405.M Sun Dec 29 05:19:10 2024

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Data Path : C:\msdchem\1\data\
Data File: 7w11237.D
Acq On
          : 28 Dec 2024
                        11:51 am
Operator
          : benk
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: ic405-0.50 Sample

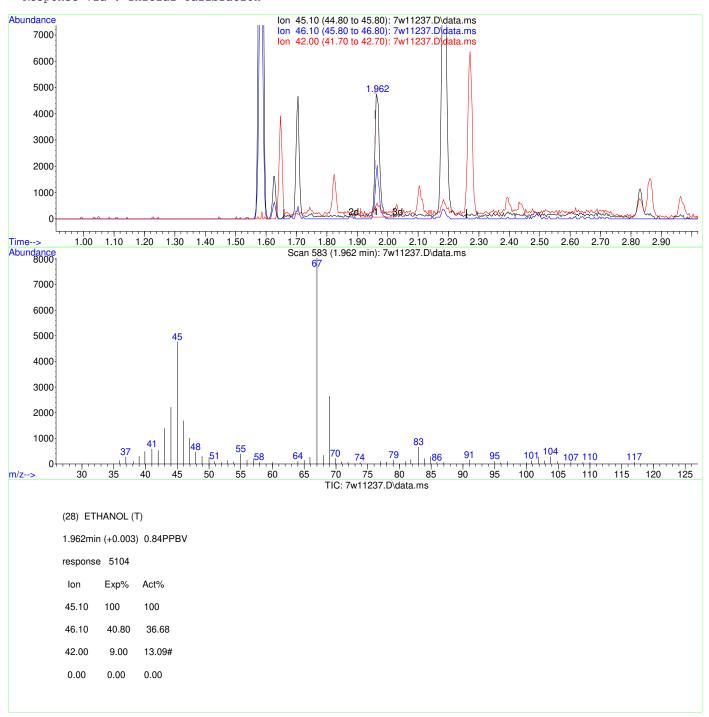
: MS74014, v7w405,,,,,1 Misc ALS Vial Sample Multiplier: 1 : 3

Quant Time: Dec 29 05:09:53 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:06:59 2024

Response via : Initial Calibration



Data Path : C:\msdchem\1\data\ Data File: 7w11237.D Acq On : 28 Dec 2024 11:51 am Operator : benk

: ic405-0.50 Sample

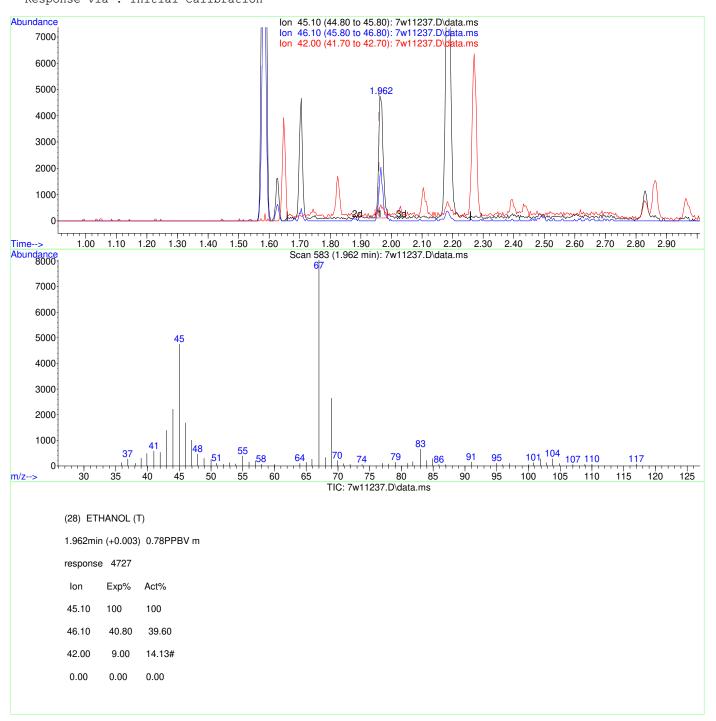
: MS74014, v7w405,,,,,1 Misc ALS Vial Sample Multiplier: 1 : 3

Quant Time: Dec 29 05:09:53 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:06:59 2024

Response via : Initial Calibration



# Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\ Data File : 7w11238.D Data File : /Wil230.D

Acq On : 28 Dec 2024 12:34 pm

Operator : benk

Sample : ic405-5

Misc : MS74014, v7w405, , , , , 1

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Ctendende					
1) BROMOCHLOROMETHANE	3.229	128	131992	10.00 PPBV	7 0.0
52) 1,4-DIFLUOROBENZENE	4.496	114	667855	10.00 PPBV	7 0.0
76) CHLOROBENZENE-D5	10.036	117	626654	10.00 PPBV	7 0.0
1) BROMOCHLOROMETHANE 52) 1,4-DIFLUOROBENZENE 76) CHLOROBENZENE-D5 109) BROMOCHLOROMETHANE (A)	3.229	128	131920	10.00 PPBV	7 0.0
System Monitoring Compounds 87) 4-BROMOFLUOROBENZENE	12 202	0.5	462248	10.08 PPBV	7 0.00
Parget Compounds  2) FREON 115  3) FREON 152A  4) CHLORODIFLUOROMETHANE  5) CHLOROTRIFLUOROMETHANE  6) DICHLORODIFLUOROMETHANE  7) PROPYLENE  8) 1-CHLORO-1,1-DIFLUOROE  9) FREON 114  10) CHLOROMETHANE  11) VINYL CHLORIDE  12) 1,3-BUTADIENE  13) N-BUTANE  14) BROMOMETHANE  15) CHLOROETHANE  16) DICHLOROFLUOROMETHANE  17) ACETONITRILE  18) ACROLEIN  19) FREON 123  20) FREON 123A  21) TRICHLOROFLUOROMETHANE  22) ISOPROPYL ALCOHOL  23) ACETONE  24) PENTANE  25) IODOMETHANE  26) 1,1-DICHLOROETHYLENE  27) CARBON DISULFIDE  28) ETHANOL  29) BROMOETHENE  30) ACRYLONITRILE  31) METHYLENE CHLORIDE  32) 3-CHLOROPROPENE  33) FREON 113  34) TRANS-1,2-DICHLOROETHENE  35) TERTIARY BUTYL ALCOHOL  36) METHYL TERTIARY BUTYL  37) TETRAHYDROFURAN  38) HEXANE  39) VINYL ACETATE  40) 1,1-DICHLOROETHANE  41) METHYL ETHYL KETONE  42) CIS-1,2-DICHLOROETHENE	1 500	110	10064	0 00 000	Qvalue
2) FREON 115 3) FREON 152A	1.599	119	22700	0.92 PPBV 5.21 PPBV	J 94
4) CHI ODODIEI HODOMETHANE	1.020	67	15076	5.21 PPB	7 100
5) CHIORODIFLUOROMETHANE	1.041	116	15976	5.00 PPB)	, 99 , 00
6) DICUIOROIRIFLUOROEINENE	1.630	710	172220	5 25 757	, 90 , 00
7) DDODVIENE	1.670	/ 11	113239	5 25 PPD	, 99 , 00
9) 1_CUI ODO_1 1_DIFITIODOF	1.030	65	127275	5.23 FFB	7 99
0) FOROM 11/	1.703	95	144961	2.23 FFB	7 90
10) CHIODOMETHANE	1 711	52	15800	5.30 PFB	1 99 1 96
11) VINVI CHIODIDE	1 773	62	57502	5.00 PFB	7 90
12) 1 3-RITADIENE	1 811	54	43964	5 10 DDB	, )) , )
13) N-RITANE	1 827	43	81043	5 16 DDR	, 51 7 99
14) BROMOMETHANE	1 885	94	50054	5 27 DDB	, 22 , 100
15) CHIOROETHANE	1 933	64	29393	5 09 PPR	, 100 , 98
16) DICHLOROFILIOROMETHANE	1 959	67	120507	5 21 PPR	, 99
17) ACETONITRILE	2 030	41	47324	4 94 PPR	, 22 , 100
18) ACROLEIN	2.065	56	25829	5.10 PPBV	, 100 , 96
19) FREON 123	2.003	83	127410	5 25 PPR	, 99
20) FREON 123A	2.094	117	83554	5.51 PPBV	, 100
21) TRICHLOROFLUOROMETHANE	2.162	101	156031	5.30 PPBV	, 99
22) ISOPROPYL ALCOHOL	2.191	45	120912	5.38 PPBV	7 98
23) ACETONE	2.107	58	31346	5.48 PPBV	7 99
24) PENTANE	2.274	42	59564	5.29 PPBV	7 99
25) IODOMETHANE	2.335	142	150640	5.59 PPBV	7 99
26) 1,1-DICHLOROETHYLENE	2.364	96	56281	5.40 PPBV	<i>I</i> 97
27) CARBON DISULFIDE	2.496	76	148579	5.14 PPBV	<i>I</i> 97
28) ETHANOL	1.969	45	36620	6.22 PPBV	<i>I</i> 99
29) BROMOETHENE	2.036	106	54180	5.33 PPBV	<i>I</i> 99
30) ACRYLONITRILE	2.245	52	43642	5.65 PPBV	7 98
31) METHYLENE CHLORIDE	2.400	84	49865	5.35 PPBV	<i>I</i> 99
32) 3-CHLOROPROPENE	2.441	76	27594	5.21 PPBV	<i>I</i> 97
33) FREON 113	2.496	151	94391	5.44 PPBV	<i>I</i> 99
34) TRANS-1,2-DICHLOROETHENE	2.721	96	59643	5.32 PPBV	<i>I</i> 95
35) TERTIARY BUTYL ALCOHOL	2.396	59	139322	5.10 PPBV	<i>I</i> 99
36) METHYL TERTIARY BUTYL	2.830	73	179162	5.34 PPBV	<i>I</i> 97
37) TETRAHYDROFURAN	3.518	72	29434	5.26 PPBV	<i>I</i> 97
38) HEXANE	3.281	57	107163	5.24 PPBV	<i>I</i> 99
39) VINYL ACETATE	2.866	86	15656	4.82 PPBV	<i>I</i> 94
40) 1,1-DICHLOROETHANE	2.795	63	112446	5.24 PPBV	<i>I</i> 99
41) METHYL ETHYL KETONE	2.962	72	31098	5.28 PPBV	<i>I</i> 99
42) CIS-1,2-DICHLOROETHENE	3.152	96	64258	5.22 PPBV	7 100
- ,					
44) ETHYL ACETATE	3.290	61	22898	5.46 PPBV	
45) METHYL ACRYLATE	3.274	55	129647	5.28 PPBV	
46) CHLOROFORM	3.300	83	128139	5.33 PPBV	7 100
47) 2,4-DIMETHYLPENTANE		0.0			
	3.792	57	123380	5.22 PPBV	7 100
48) 1,1,1-TRICHLOROETHANE 49) CARBON TETRACHLORIDE				5.22 PPBV 5.27 PPBV 5.07 PPBV	7 100 7 99

M7W405.M Mon Dec 30 13:59:03 2024

Data Path :  $C:\msdchem\1\data\7w\$ Data File : 7w11238.D Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014, v7w405, , , , , 1

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration

SOO   1,2-DICHLOROETHANE		Compound	R.T.	QIon	Response			
STATEMBER   4.174   78								
53   CYCLOHEXANE		•		78	184175	5.34		
54   2.3-DIMETHYLDENTANE		CYCLOHEXANE		84	81438	5.13		
S5   TRICHLOROETHENE	54)	2 3-DIMETHYLPENTANE		71	42493	5.21		
Seminoric Chicro Commentance   S. 0.10	55)	TRICHLOROETHENE			88289	5.08		
Seminoric Chicro Commentance   S. 0.10	56)	1 2-DICHLOROPROPANE			73869	5.00		
Seminoric Chicro Commentance   S. 0.10	57)	DIBROMOMETHANE			75119	4 95		
Seminoric Chicro Commentance   S. 0.10					163994	5 11		
63) METHYL INSURTYL KETONE 64) METHYL ISOBUTYL KETONE 65) CIS-1,3-DICHLOROPROPENE 65) CIS-1,3-DICHLOROPROPENE 67) 1,3-DICHLOROPROPENE 67) 1,3-DICHLOROPROPANE 68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 69) 1,1,2-TRICHLOROFTHANE 68) 1,1,2-TRICHLOROFTHANE 7801 58 701 2-HEXANONE 7801 58 702 1-ETTACHLOROFTHANE 7801 58 703 DIBROMOCHLOROMETHANE 7801 58 703 DIBROMOCHLOROMETHANE 7801 58 704 1,2-DIBROMOCHLOROMETHANE 7801 58 705 1,1,1,2-TETRACHLOROFTHANE 7801 58 706 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,					141102	4 96		
63) METHYL INSURTYL KETONE 64) METHYL ISOBUTYL KETONE 65) CIS-1,3-DICHLOROPROPENE 65) CIS-1,3-DICHLOROPROPENE 67) 1,3-DICHLOROPROPENE 67) 1,3-DICHLOROPROPANE 68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 69) 1,1,2-TRICHLOROFTHANE 68) 1,1,2-TRICHLOROFTHANE 7801 58 701 2-HEXANONE 7801 58 702 1-ETTACHLOROFTHANE 7801 58 703 DIBROMOCHLOROMETHANE 7801 58 703 DIBROMOCHLOROMETHANE 7801 58 704 1,2-DIBROMOCHLOROMETHANE 7801 58 705 1,1,1,2-TETRACHLOROFTHANE 7801 58 706 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,				57	343171	5 32		
63) METHYL INSURTYL KETONE 64) METHYL ISOBUTYL KETONE 65) CIS-1,3-DICHLOROPROPENE 65) CIS-1,3-DICHLOROPROPENE 67) 1,3-DICHLOROPROPENE 67) 1,3-DICHLOROPROPANE 68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 69) 1,1,2-TRICHLOROFTHANE 68) 1,1,2-TRICHLOROFTHANE 7801 58 701 2-HEXANONE 7801 58 702 1-ETTACHLOROFTHANE 7801 58 703 DIBROMOCHLOROMETHANE 7801 58 703 DIBROMOCHLOROMETHANE 7801 58 704 1,2-DIBROMOCHLOROMETHANE 7801 58 705 1,1,1,2-TETRACHLOROFTHANE 7801 58 706 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	61)				52796	5 80		
63) METHYL INSURTYL KETONE 64) METHYL ISOBUTYL KETONE 65) CIS-1,3-DICHLOROPROPENE 65) CIS-1,3-DICHLOROPROPENE 67) 1,3-DICHLOROPROPENE 67) 1,3-DICHLOROPROPANE 68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 68) TRANS-1,3-DICHLOROPROPENE 69) 1,1,2-TRICHLOROFTHANE 68) 1,1,2-TRICHLOROFTHANE 7801 58 701 2-HEXANONE 7801 58 702 1-ETTACHLOROFTHANE 7801 58 703 DIBROMOCHLOROMETHANE 7801 58 703 DIBROMOCHLOROMETHANE 7801 58 704 1,2-DIBROMOCHLOROMETHANE 7801 58 705 1,1,1,2-TETRACHLOROFTHANE 7801 58 706 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 7801 58 780 1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,1,1,2-TETRACHLOROFTHANE 780 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,				4.0	118231	5 24		
66) TOLUENE 7.190 91 236256 5.07 PBW 100 67) 1,3-DICHLOROPROPANE 7.248 76 116018 5.06 PBW 99 68) TRANS-1,3-DICHLOROPROPENE 6.666 75 106931 4.69 PBW 99 69) 1,1,2-TRICHLOROETHANE 6.821 83 68331 5.17 PBW 99 70) 2-HEXXANONE 7.801 58 133890 7.43 PBW 99 71) ETHYL METHACRYLATE 7.898 69 127278 5.21 PBW 95 72) TETRACHLOROCETHANE 8.911 164 96143 5.35 PBW 99 73) DIBROMOCHLOROMETHANE 7.721 129 138711 4.71 PBW 100 74) 1,2-DIBROMOCHHANE 8.058 107 131144 5.20 PBW 100 75) OCTANE 9.062 43 163300 5.13 PBW 100 77) 1,1,1,2-TETRACHLOROETHANE 10.120 131 106207 5.07 PBW 99 78) ETHYLBENZENE 10.190 112 195164 5.17 PBW 99 79) ETHYLBENZENE 10.991 91 318088 5.28 PBW 100 80) M,P-XYLENE 11.412 91 497734 10.31 PBW 98 81) O-XYLENE 12.348 91 254047 5.25 PBW 99 82) STYRENE 12.136 104 193679 5.16 PBW 99 83) NONANE 13.470 43 175616 5.23 PBW 99 84) BROMOFORM 11.226 173 124504 4.75 PBW 99 84) BROMOFORM 11.226 173 124504 4.75 PBW 100 85) 1,1,2,2-TETRACHLOROETHANE 12.361 83 175404 5.22 PBW 100 86) 1,2,3-TRICHLOROPROPANE 13.856 120 98143 5.06 PBW 99 90) 2-CHLOROTOLUENE 14.856 126 88415 4.88 PBW 99 91) N-PROPYLBENZENE 13.856 120 98143 5.06 PBW 99 90) 2-CHLOROTOLUENE 14.856 126 88415 4.88 PBW 99 91) N-PROPYLBENZENE 15.940 105 310860 5.10 PBW 99 90) 2-CHLOROTOLUENE 15.640 105 367789 5.15 PBW 99 91) N-PROPYLBENZENE 15.940 105 310860 5.10 PBW 99 91) N-PROPYLBENZENE 15.950 105 310860 5.20 PBW 100 92) 4-ETHYLTOLUENE 16.627 91 263588 4.88 PBW 99 91) N-PROPYLBENZENE 15.940 105 310860 5.20 PBW 99 91) N-PROPYLBENZENE 16.528 134 76413 5.38 PBW 99 95) TERT-BUTYLBENZENE 16.528 134 76413 5.38 PBW 99 96) 1,2,4-TRIMETHYLJENZENE 16.595 105 305447 5.07 PBW 100 103) P-ISOPROPYLTOLUENE 16.637 105 310860 5.20 PBW 100 104) ABUTHALENZENE 16.595 105 305447 5.07 PBW 100 105 HEXACHLOROBENZENE 16.595 105 305447 5.07 PBW 100 106) HEXACHLOROBENZENE 17.032 134 104354 5.27 PBW 99 100) O-DICHLOROBENZENE 16.595 105 305447 5.07 PBW 90 101) SEC-BUTYLBENZENE 16.595 105 305447 5.07 PBW 90 101) SEC-BUTYLBENZENE 16.595 105 305447 5.07 PBW 90 100) HEXACHLOROBENZENE 17.032 134 104354 5.27 PBW				69	74099	5 29		
66) TOLUENE 7.190 91 236256 5.07 PBW 100 67) 1,3-DICHLOROPROPANE 7.248 76 116018 5.06 PBW 99 68) TRANS-1,3-DICHLOROPROPENE 6.666 75 106931 4.69 PBW 99 69) 1,1,2-TRICHLOROETHANE 6.821 83 68331 5.17 PBW 99 70) 2-HEXXANONE 7.801 58 133890 7.43 PBW 99 71) ETHYL METHACRYLATE 7.898 69 127278 5.21 PBW 95 72) TETRACHLOROCETHANE 8.911 164 96143 5.35 PBW 99 73) DIBROMOCHLOROMETHANE 7.721 129 138711 4.71 PBW 100 74) 1,2-DIBROMOCHHANE 8.058 107 131144 5.20 PBW 100 75) OCTANE 9.062 43 163300 5.13 PBW 100 77) 1,1,1,2-TETRACHLOROETHANE 10.120 131 106207 5.07 PBW 99 78) ETHYLBENZENE 10.190 112 195164 5.17 PBW 99 79) ETHYLBENZENE 10.991 91 318088 5.28 PBW 100 80) M,P-XYLENE 11.412 91 497734 10.31 PBW 98 81) O-XYLENE 12.348 91 254047 5.25 PBW 99 82) STYRENE 12.136 104 193679 5.16 PBW 99 83) NONANE 13.470 43 175616 5.23 PBW 99 84) BROMOFORM 11.226 173 124504 4.75 PBW 99 84) BROMOFORM 11.226 173 124504 4.75 PBW 100 85) 1,1,2,2-TETRACHLOROETHANE 12.361 83 175404 5.22 PBW 100 86) 1,2,3-TRICHLOROPROPANE 13.856 120 98143 5.06 PBW 99 90) 2-CHLOROTOLUENE 14.856 126 88415 4.88 PBW 99 91) N-PROPYLBENZENE 13.856 120 98143 5.06 PBW 99 90) 2-CHLOROTOLUENE 14.856 126 88415 4.88 PBW 99 91) N-PROPYLBENZENE 15.940 105 310860 5.10 PBW 99 90) 2-CHLOROTOLUENE 15.640 105 367789 5.15 PBW 99 91) N-PROPYLBENZENE 15.940 105 310860 5.10 PBW 99 91) N-PROPYLBENZENE 15.950 105 310860 5.20 PBW 100 92) 4-ETHYLTOLUENE 16.627 91 263588 4.88 PBW 99 91) N-PROPYLBENZENE 15.940 105 310860 5.20 PBW 99 91) N-PROPYLBENZENE 16.528 134 76413 5.38 PBW 99 95) TERT-BUTYLBENZENE 16.528 134 76413 5.38 PBW 99 96) 1,2,4-TRIMETHYLJENZENE 16.595 105 305447 5.07 PBW 100 103) P-ISOPROPYLTOLUENE 16.637 105 310860 5.20 PBW 100 104) ABUTHALENZENE 16.595 105 305447 5.07 PBW 100 105 HEXACHLOROBENZENE 16.595 105 305447 5.07 PBW 100 106) HEXACHLOROBENZENE 17.032 134 104354 5.27 PBW 99 100) O-DICHLOROBENZENE 16.595 105 305447 5.07 PBW 90 101) SEC-BUTYLBENZENE 16.595 105 305447 5.07 PBW 90 101) SEC-BUTYLBENZENE 16.595 105 305447 5.07 PBW 90 100) HEXACHLOROBENZENE 17.032 134 104354 5.27 PBW				58	72901	5 68		
66) TOLUENE 7.190 91 236256 5.07 PBW 100 67) 1,3-DICHLOROPROPANE 7.248 76 116018 5.06 PBW 99 68) TRANS-1,3-DICHLOROPROPENE 6.666 75 106931 4.69 PBW 99 69) 1,1,2-TRICHLOROETHANE 6.821 83 68331 5.17 PBW 99 70) 2-HEXXANONE 7.801 58 133890 7.43 PBW 99 71) ETHYL METHACRYLATE 7.898 69 127278 5.21 PBW 95 72) TETRACHLOROCETHANE 8.911 164 96143 5.35 PBW 99 73) DIBROMOCHLOROMETHANE 7.721 129 138711 4.71 PBW 100 74) 1,2-DIBROMOCHHANE 8.058 107 131144 5.20 PBW 100 75) OCTANE 9.062 43 163300 5.13 PBW 100 77) 1,1,1,2-TETRACHLOROETHANE 10.120 131 106207 5.07 PBW 99 78) ETHYLBENZENE 10.190 112 195164 5.17 PBW 99 79) ETHYLBENZENE 10.991 91 318088 5.28 PBW 100 80) M,P-XYLENE 11.412 91 497734 10.31 PBW 98 81) O-XYLENE 12.348 91 254047 5.25 PBW 99 82) STYRENE 12.136 104 193679 5.16 PBW 99 83) NONANE 13.470 43 175616 5.23 PBW 99 84) BROMOFORM 11.226 173 124504 4.75 PBW 99 84) BROMOFORM 11.226 173 124504 4.75 PBW 100 85) 1,1,2,2-TETRACHLOROETHANE 12.361 83 175404 5.22 PBW 100 86) 1,2,3-TRICHLOROPROPANE 13.856 120 98143 5.06 PBW 99 90) 2-CHLOROTOLUENE 14.856 126 88415 4.88 PBW 99 91) N-PROPYLBENZENE 13.856 120 98143 5.06 PBW 99 90) 2-CHLOROTOLUENE 14.856 126 88415 4.88 PBW 99 91) N-PROPYLBENZENE 15.940 105 310860 5.10 PBW 99 90) 2-CHLOROTOLUENE 15.640 105 367789 5.15 PBW 99 91) N-PROPYLBENZENE 15.940 105 310860 5.10 PBW 99 91) N-PROPYLBENZENE 15.950 105 310860 5.20 PBW 100 92) 4-ETHYLTOLUENE 16.627 91 263588 4.88 PBW 99 91) N-PROPYLBENZENE 15.940 105 310860 5.20 PBW 99 91) N-PROPYLBENZENE 16.528 134 76413 5.38 PBW 99 95) TERT-BUTYLBENZENE 16.528 134 76413 5.38 PBW 99 96) 1,2,4-TRIMETHYLJENZENE 16.595 105 305447 5.07 PBW 100 103) P-ISOPROPYLTOLUENE 16.637 105 310860 5.20 PBW 100 104) ABUTHALENZENE 16.595 105 305447 5.07 PBW 100 105 HEXACHLOROBENZENE 16.595 105 305447 5.07 PBW 100 106) HEXACHLOROBENZENE 17.032 134 104354 5.27 PBW 99 100) O-DICHLOROBENZENE 16.595 105 305447 5.07 PBW 90 101) SEC-BUTYLBENZENE 16.595 105 305447 5.07 PBW 90 101) SEC-BUTYLBENZENE 16.595 105 305447 5.07 PBW 90 100) HEXACHLOROBENZENE 17.032 134 104354 5.27 PBW				75	121502	5 04		
75) OCTANE 770 1,1,1,2-TETRACHLOROETHANE 771 1,1,1,2-TETRACHLOROETHANE 772 1,1,1,2-TETRACHLOROETHANE 773 1,1,1,2-TETRACHLOROETHANE 774 10.110 112 195164 775 10.110 112 195164 777 11,1,1,2-TETRACHLOROETHANE 779 110.991 91 318088 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 12647 770 12647 77					226256	5.04		
75) OCTANE 770 1,1,1,2-TETRACHLOROETHANE 771 1,1,1,2-TETRACHLOROETHANE 772 1,1,1,2-TETRACHLOROETHANE 773 1,1,1,2-TETRACHLOROETHANE 774 10.110 112 195164 775 10.110 112 195164 777 11,1,1,2-TETRACHLOROETHANE 779 110.991 91 318088 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 12647 770 12647 77					116010	5.07		
75) OCTANE 770 1,1,1,2-TETRACHLOROETHANE 771 1,1,1,2-TETRACHLOROETHANE 772 1,1,1,2-TETRACHLOROETHANE 773 1,1,1,2-TETRACHLOROETHANE 774 10.110 112 195164 775 10.110 112 195164 777 11,1,1,2-TETRACHLOROETHANE 779 110.991 91 318088 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 12647 770 12647 77	601	TRANC 1 2 DICHLOROPANE	6 666	76	106021	4 60		
75) OCTANE 770 1,1,1,2-TETRACHLOROETHANE 771 1,1,1,2-TETRACHLOROETHANE 772 1,1,1,2-TETRACHLOROETHANE 773 1,1,1,2-TETRACHLOROETHANE 774 10.110 112 195164 775 10.110 112 195164 777 11,1,1,2-TETRACHLOROETHANE 779 110.991 91 318088 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 12647 770 12647 77	60)	1 1 2 TRICIL OR OFFICENE	6.000	75	T0033T	4.09		
75) OCTANE 770 1,1,1,2-TETRACHLOROETHANE 771 1,1,1,2-TETRACHLOROETHANE 772 1,1,1,2-TETRACHLOROETHANE 773 1,1,1,2-TETRACHLOROETHANE 774 10.110 112 195164 775 10.110 112 195164 777 11,1,1,2-TETRACHLOROETHANE 779 110.991 91 318088 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 12647 770 12647 77					122000	7 42		
75) OCTANE 770 1,1,1,2-TETRACHLOROETHANE 771 1,1,1,2-TETRACHLOROETHANE 772 1,1,1,2-TETRACHLOROETHANE 773 1,1,1,2-TETRACHLOROETHANE 774 10.110 112 195164 775 10.110 112 195164 777 11,1,1,2-TETRACHLOROETHANE 779 110.991 91 318088 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 12647 770 12647 77					133090	7.43		
75) OCTANE 770 1,1,1,2-TETRACHLOROETHANE 771 1,1,1,2-TETRACHLOROETHANE 772 1,1,1,2-TETRACHLOROETHANE 773 1,1,1,2-TETRACHLOROETHANE 774 10.110 112 195164 775 10.110 112 195164 777 11,1,1,2-TETRACHLOROETHANE 779 110.991 91 318088 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 12647 770 12647 77	/ L )	ETHYL METHACRYLATE			12/2/8	5.∠⊥		
75) OCTANE 770 1,1,1,2-TETRACHLOROETHANE 771 1,1,1,2-TETRACHLOROETHANE 772 1,1,1,2-TETRACHLOROETHANE 773 1,1,1,2-TETRACHLOROETHANE 774 10.110 112 195164 775 10.110 112 195164 777 11,1,1,2-TETRACHLOROETHANE 779 110.991 91 318088 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 12647 770 12647 77	72)	TETRACHLOROETHENE			96143	5.35		
75) OCTANE 770 1,1,1,2-TETRACHLOROETHANE 771 1,1,1,2-TETRACHLOROETHANE 772 1,1,1,2-TETRACHLOROETHANE 773 1,1,1,2-TETRACHLOROETHANE 774 10.110 112 195164 775 10.110 112 195164 777 11,1,1,2-TETRACHLOROETHANE 779 110.991 91 318088 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 110.110 112 195164 779 12647 770 12647 77					138/11	4.71		
77) 1,1,1,2-TETRACHLOROETHANE 10.120 131 106207 5.07 PPBV 99 78) CHLOROBENZENE 10.110 112 195164 5.17 PPBV 99 79) ETHYLBENZENE 10.991 91 318088 5.28 PPBV 100 80) M,P-XYLENE 11.412 91 497734 10.31 PPBV 98 81) O-XYLENE 12.348 91 254047 5.25 PPBV 99 82) STYRENE 12.136 104 193679 5.16 PPBV 99 83) NONANE 13.470 43 175616 5.23 PPBV 99 84) BROMOFORM 11.226 173 124504 4.75 PPBV 100 85) 1,1,2,2-TETRACHLOROETHANE 12.361 83 175404 5.22 PPBV 100 86) 1,2,3-TRICHLOROPROPANE 12.644 75 139660 5.10 PPBV 100 88) ISOPROPYLBENZENE 13.856 120 98143 5.06 PPBV 99 90) 2-CHLOROTOLUENE 14.856 126 88415 4.88 PPBV 99 91) N-PROPYLBENZENE 15.193 120 103410 5.07 PPBV 100 92) 4-ETHYLTOLUENE 15.640 10.5 367789 5.15 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.910 10.5 310860 5.20 PPBV 100 94) ALPHA-METHYLSTYRENE 16.212 118 154089 4.85 PPBV 99 95) TERT-BUTYLBENZENE 16.528 134 76413 5.38 PPBV 99 96) 1,2,4-TRIMETHYLBENZENE 16.534 10.5 317907 5.29 PPBV 100 97) BENZYL CHLORIDE 16.627 91 263588 4.58 PPBV 99 100) O-DICHLOROBENZENE 16.692 146 201910 4.83 PPBV 100 97) BENZYL CHLORIDE 16.692 146 201910 4.83 PPBV 99 101) SEC-BUTYLBENZENE 16.692 146 201910 4.83 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.692 146 201910 4.83 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.695 10.5 305447 5.29 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.29 PPBV 99 100) O-DICHLOROBENZENE 16.695 146 201910 4.83 PPBV 99 101) SEC-BUTYLBENZENE 16.695 10.5 305447 5.27 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.29 PPBV 99 1040) N-BUTYLBENZENE 16.695 10.5 305447 5.27 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.29 PPBV 99 106) HEXACHLOROBENZENE 17.396 134 104354 5.29 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 99 106) HEXACHLOROBENZENE 18.322 180 175966 4.63 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.64 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100					131144	5.20		
84) BROMOFORM 85) 1,1,2,2-TETRACHLOROETHANE 12.361 83 175404 5.22 PPBV 100 86) 1,2,3-TRICHLOROPROPANE 12.644 75 139660 5.10 PPBV 100 88) ISOPROPYLBENZENE 13.856 120 98143 5.06 PPBV 97 89) BROMOBENZENE 13.724 77 176709 4.96 PPBV 99 90) 2-CHLOROTOLUENE 14.856 126 88415 4.88 PPBV 99 91) N-PROPYLBENZENE 15.193 120 103410 5.07 PPBV 100 92) 4-ETHYLTOLUENE 15.640 105 367789 5.15 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.910 105 310860 5.20 PPBV 100 94) ALPHA-METHYLSTYRENE 16.212 118 154089 4.85 PPBV 99 95) TERT-BUTYLBENZENE 16.528 134 76413 5.38 PPBV 99 96) 1,2,4-TRIMETHYLBENZENE 16.534 105 317907 5.29 PPBV 100 97) BENZYL CHLORIDE 16.627 91 263588 4.58 PPBV 100 98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.839 134 95434 5.29 PPBV 99 101) N-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROBENZENE 17.396 134 101938 5.14 PPBV 99 106) HEXACHLOROBENZENE 18.634 225 147583 5.03 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 101) TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100			9.062	43	163300	5.13	PPBV	100
84) BROMOFORM 85) 1,1,2,2-TETRACHLOROETHANE 12.361 83 175404 5.22 PPBV 100 86) 1,2,3-TRICHLOROPROPANE 12.644 75 139660 5.10 PPBV 100 88) ISOPROPYLBENZENE 13.856 120 98143 5.06 PPBV 97 89) BROMOBENZENE 13.724 77 176709 4.96 PPBV 99 90) 2-CHLOROTOLUENE 14.856 126 88415 4.88 PPBV 99 91) N-PROPYLBENZENE 15.193 120 103410 5.07 PPBV 100 92) 4-ETHYLTOLUENE 15.640 105 367789 5.15 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.910 105 310860 5.20 PPBV 100 94) ALPHA-METHYLSTYRENE 16.212 118 154089 4.85 PPBV 99 95) TERT-BUTYLBENZENE 16.528 134 76413 5.38 PPBV 99 96) 1,2,4-TRIMETHYLBENZENE 16.534 105 317907 5.29 PPBV 100 97) BENZYL CHLORIDE 16.627 91 263588 4.58 PPBV 100 98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.839 134 95434 5.29 PPBV 99 101) N-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROBENZENE 17.396 134 101938 5.14 PPBV 99 106) HEXACHLOROBENZENE 18.634 225 147583 5.03 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 101) TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100			10.120	131	106207	5.07	PPBV	99
84) BROMOFORM 85) 1,1,2,2-TETRACHLOROETHANE 12.361 83 175404 5.22 PPBV 100 86) 1,2,3-TRICHLOROPROPANE 12.644 75 139660 5.10 PPBV 100 88) ISOPROPYLBENZENE 13.856 120 98143 5.06 PPBV 97 89) BROMOBENZENE 13.724 77 176709 4.96 PPBV 99 90) 2-CHLOROTOLUENE 14.856 126 88415 4.88 PPBV 99 91) N-PROPYLBENZENE 15.193 120 103410 5.07 PPBV 100 92) 4-ETHYLTOLUENE 15.640 105 367789 5.15 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.910 105 310860 5.20 PPBV 100 94) ALPHA-METHYLSTYRENE 16.212 118 154089 4.85 PPBV 99 95) TERT-BUTYLBENZENE 16.528 134 76413 5.38 PPBV 99 96) 1,2,4-TRIMETHYLBENZENE 16.534 105 317907 5.29 PPBV 100 97) BENZYL CHLORIDE 16.627 91 263588 4.58 PPBV 100 98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.839 134 95434 5.29 PPBV 99 101) N-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROBENZENE 17.396 134 101938 5.14 PPBV 99 106) HEXACHLOROBENZENE 18.634 225 147583 5.03 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 101) TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100			10.110	112	195164	5.17	PPBV	99
84) BROMOFORM 85) 1,1,2,2-TETRACHLOROETHANE 12.361 83 175404 5.22 PPBV 100 86) 1,2,3-TRICHLOROPROPANE 12.644 75 139660 5.10 PPBV 100 88) ISOPROPYLBENZENE 13.856 120 98143 5.06 PPBV 97 89) BROMOBENZENE 13.724 77 176709 4.96 PPBV 99 90) 2-CHLOROTOLUENE 14.856 126 88415 4.88 PPBV 99 91) N-PROPYLBENZENE 15.193 120 103410 5.07 PPBV 100 92) 4-ETHYLTOLUENE 15.640 105 367789 5.15 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.910 105 310860 5.20 PPBV 100 94) ALPHA-METHYLSTYRENE 16.212 118 154089 4.85 PPBV 99 95) TERT-BUTYLBENZENE 16.528 134 76413 5.38 PPBV 99 96) 1,2,4-TRIMETHYLBENZENE 16.534 105 317907 5.29 PPBV 100 97) BENZYL CHLORIDE 16.627 91 263588 4.58 PPBV 100 98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.839 134 95434 5.29 PPBV 99 101) N-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROBENZENE 17.396 134 101938 5.14 PPBV 99 106) HEXACHLOROBENZENE 18.634 225 147583 5.03 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 101) TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100	,		10.991	91	318088	5.28	PPBV	100
84) BROMOFORM 85) 1,1,2,2-TETRACHLOROETHANE 12.361 83 175404 5.22 PPBV 100 86) 1,2,3-TRICHLOROPROPANE 12.644 75 139660 5.10 PPBV 100 88) ISOPROPYLBENZENE 13.856 120 98143 5.06 PPBV 97 89) BROMOBENZENE 13.724 77 176709 4.96 PPBV 99 90) 2-CHLOROTOLUENE 14.856 126 88415 4.88 PPBV 99 91) N-PROPYLBENZENE 15.193 120 103410 5.07 PPBV 100 92) 4-ETHYLTOLUENE 15.640 105 367789 5.15 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.910 105 310860 5.20 PPBV 100 94) ALPHA-METHYLSTYRENE 16.212 118 154089 4.85 PPBV 99 95) TERT-BUTYLBENZENE 16.528 134 76413 5.38 PPBV 99 96) 1,2,4-TRIMETHYLBENZENE 16.534 105 317907 5.29 PPBV 100 97) BENZYL CHLORIDE 16.627 91 263588 4.58 PPBV 100 98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.839 134 95434 5.29 PPBV 99 101) N-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROBENZENE 17.396 134 101938 5.14 PPBV 99 106) HEXACHLOROBENZENE 18.634 225 147583 5.03 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 101) TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100	,	•	11.412	91	497734	10.31	PPBV	98
84) BROMOFORM 85) 1,1,2,2-TETRACHLOROETHANE 12.361 83 175404 5.22 PPBV 100 86) 1,2,3-TRICHLOROPROPANE 12.644 75 139660 5.10 PPBV 100 88) ISOPROPYLBENZENE 13.856 120 98143 5.06 PPBV 97 89) BROMOBENZENE 13.724 77 176709 4.96 PPBV 99 90) 2-CHLOROTOLUENE 14.856 126 88415 4.88 PPBV 99 91) N-PROPYLBENZENE 15.193 120 103410 5.07 PPBV 100 92) 4-ETHYLTOLUENE 15.640 105 367789 5.15 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.910 105 310860 5.20 PPBV 100 94) ALPHA-METHYLSTYRENE 16.212 118 154089 4.85 PPBV 99 95) TERT-BUTYLBENZENE 16.528 134 76413 5.38 PPBV 99 96) 1,2,4-TRIMETHYLBENZENE 16.534 105 317907 5.29 PPBV 100 97) BENZYL CHLORIDE 16.627 91 263588 4.58 PPBV 100 98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.839 134 95434 5.29 PPBV 99 101) N-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROBENZENE 17.396 134 101938 5.14 PPBV 99 106) HEXACHLOROBENZENE 18.634 225 147583 5.03 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 101) TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100			12.348	91	254047	5.25	PPBV	7 99
84) BROMOFORM 85) 1,1,2,2-TETRACHLOROETHANE 12.361 83 175404 5.22 PPBV 100 86) 1,2,3-TRICHLOROPROPANE 12.644 75 139660 5.10 PPBV 100 88) ISOPROPYLBENZENE 13.856 120 98143 5.06 PPBV 97 89) BROMOBENZENE 13.724 77 176709 4.96 PPBV 99 90) 2-CHLOROTOLUENE 14.856 126 88415 4.88 PPBV 99 91) N-PROPYLBENZENE 15.193 120 103410 5.07 PPBV 100 92) 4-ETHYLTOLUENE 15.640 105 367789 5.15 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.910 105 310860 5.20 PPBV 100 94) ALPHA-METHYLSTYRENE 16.212 118 154089 4.85 PPBV 99 95) TERT-BUTYLBENZENE 16.528 134 76413 5.38 PPBV 99 96) 1,2,4-TRIMETHYLBENZENE 16.534 105 317907 5.29 PPBV 100 97) BENZYL CHLORIDE 16.627 91 263588 4.58 PPBV 100 98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.839 134 95434 5.29 PPBV 99 101) N-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROBENZENE 17.396 134 101938 5.14 PPBV 99 106) HEXACHLOROBENZENE 18.634 225 147583 5.03 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 101) TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100			12.136	104	193679	5.16	PPBV	7 99
84) BROMOFORM 85) 1,1,2,2-TETRACHLOROETHANE 12.361 83 175404 5.22 PPBV 100 86) 1,2,3-TRICHLOROPROPANE 12.644 75 139660 5.10 PPBV 100 88) ISOPROPYLBENZENE 13.856 120 98143 5.06 PPBV 97 89) BROMOBENZENE 13.724 77 176709 4.96 PPBV 99 90) 2-CHLOROTOLUENE 14.856 126 88415 4.88 PPBV 99 91) N-PROPYLBENZENE 15.193 120 103410 5.07 PPBV 100 92) 4-ETHYLTOLUENE 15.640 105 367789 5.15 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.910 105 310860 5.20 PPBV 100 94) ALPHA-METHYLSTYRENE 16.212 118 154089 4.85 PPBV 99 95) TERT-BUTYLBENZENE 16.528 134 76413 5.38 PPBV 99 96) 1,2,4-TRIMETHYLBENZENE 16.534 105 317907 5.29 PPBV 100 97) BENZYL CHLORIDE 16.627 91 263588 4.58 PPBV 100 98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.839 134 95434 5.29 PPBV 99 101) N-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROBENZENE 17.396 134 101938 5.14 PPBV 99 106) HEXACHLOROBENZENE 18.634 225 147583 5.03 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 101) TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100	,		13.470	43	175616	5.23	PPBV	99
90) 2-CHLOROTOLUENE 14.856 126 88415 4.88 PPBV 99 91) N-PROPYLBENZENE 15.193 120 103410 5.07 PPBV 100 92) 4-ETHYLTOLUENE 15.640 105 367789 5.15 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.910 105 310860 5.20 PPBV 100 94) ALPHA-METHYLSTYRENE 16.212 118 154089 4.85 PPBV 99 95) TERT-BUTYLBENZENE 16.528 134 76413 5.38 PPBV 99 96) 1,2,4-TRIMETHYLBENZENE 16.534 105 317907 5.29 PPBV 100 97) BENZYL CHLORIDE 16.627 91 263588 4.58 PPBV 100 98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 305447 5.07 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROBETZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROBUTADIENE 17.576 117 121825 4.99 PPBV 99 106) HEXACHLOROBUTADIENE 18.634 225 147583 5.03 PPBV 99 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 100 TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100	84)	BROMOFORM	11.220	1/3	124504	4.75	PPRA	100
90) 2-CHLOROTOLUENE 14.856 126 88415 4.88 PPBV 99 91) N-PROPYLBENZENE 15.193 120 103410 5.07 PPBV 100 92) 4-ETHYLTOLUENE 15.640 105 367789 5.15 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.910 105 310860 5.20 PPBV 100 94) ALPHA-METHYLSTYRENE 16.212 118 154089 4.85 PPBV 99 95) TERT-BUTYLBENZENE 16.528 134 76413 5.38 PPBV 99 96) 1,2,4-TRIMETHYLBENZENE 16.534 105 317907 5.29 PPBV 100 97) BENZYL CHLORIDE 16.627 91 263588 4.58 PPBV 100 98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 305447 5.07 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROBETZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROBUTADIENE 17.576 117 121825 4.99 PPBV 99 106) HEXACHLOROBUTADIENE 18.634 225 147583 5.03 PPBV 99 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 100 TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100	85)	1,1,2,2-TETRACHLOROETHANE	12.361	83	175404	5.22		
90) 2-CHLOROTOLUENE 14.856 126 88415 4.88 PPBV 99 91) N-PROPYLBENZENE 15.193 120 103410 5.07 PPBV 100 92) 4-ETHYLTOLUENE 15.640 105 367789 5.15 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.910 105 310860 5.20 PPBV 100 94) ALPHA-METHYLSTYRENE 16.212 118 154089 4.85 PPBV 99 95) TERT-BUTYLBENZENE 16.528 134 76413 5.38 PPBV 99 96) 1,2,4-TRIMETHYLBENZENE 16.534 105 317907 5.29 PPBV 100 97) BENZYL CHLORIDE 16.627 91 263588 4.58 PPBV 100 98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 305447 5.07 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROBETZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROBUTADIENE 17.576 117 121825 4.99 PPBV 99 106) HEXACHLOROBUTADIENE 18.634 225 147583 5.03 PPBV 99 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 100 TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100	86)	1,2,3-TRICHLOROPROPANE	12.644	75	139660	5.10		
90) 2-CHLOROTOLUENE 14.856 126 88415 4.88 PPBV 99 91) N-PROPYLBENZENE 15.193 120 103410 5.07 PPBV 100 92) 4-ETHYLTOLUENE 15.640 105 367789 5.15 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.910 105 310860 5.20 PPBV 100 94) ALPHA-METHYLSTYRENE 16.212 118 154089 4.85 PPBV 99 95) TERT-BUTYLBENZENE 16.528 134 76413 5.38 PPBV 99 96) 1,2,4-TRIMETHYLBENZENE 16.534 105 317907 5.29 PPBV 100 97) BENZYL CHLORIDE 16.627 91 263588 4.58 PPBV 100 98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 305447 5.07 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROBETZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROBUTADIENE 17.576 117 121825 4.99 PPBV 99 106) HEXACHLOROBUTADIENE 18.634 225 147583 5.03 PPBV 99 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 100 TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100	88)	ISOPROPYLBENZENE	13.856	120	98143	5.06		
90) 2-CHLOROTOLUENE 14.856 126 88415 4.88 PPBV 99 91) N-PROPYLBENZENE 15.193 120 103410 5.07 PPBV 100 92) 4-ETHYLTOLUENE 15.640 105 367789 5.15 PPBV 99 3) 1,3,5-TRIMETHYLBENZENE 15.910 105 310860 5.20 PPBV 100 94) ALPHA-METHYLSTYRENE 16.212 118 154089 4.85 PPBV 99 95) TERT-BUTYLBENZENE 16.528 134 76413 5.38 PPBV 99 96) 1,2,4-TRIMETHYLBENZENE 16.528 134 76413 5.38 PPBV 99 96) 1,2,4-TRIMETHYLBENZENE 16.534 105 317907 5.29 PPBV 100 97) BENZYL CHLORIDE 16.627 91 263588 4.58 PPBV 100 98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.598 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 16.839 134 95434 5.29 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 305447 5.07 PPBV 100 1,2,3-TRIMETHYLBENZENE 16.955 105 305447 5.07 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 99 105) HEXACHLOROETHANE 17.576 117 121825 4.99 PPBV 99 105) HEXACHLOROETHANE 17.576 117 121825 4.99 PPBV 99 106) HEXACHLOROBUTANE 18.332 180 175966 4.63 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 100 TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100	89)	BROMOBENZENE	13.724	77	1/6/09	4.96		
92) 4-ETHYLTOLUENE 15.640 105 367789 5.15 PPBV 99 93) 1,3,5-TRIMETHYLBENZENE 15.910 105 310860 5.20 PPBV 100 94) ALPHA-METHYLSTYRENE 16.212 118 154089 4.85 PPBV 99 95) TERT-BUTYLBENZENE 16.528 134 76413 5.38 PPBV 99 96) 1,2,4-TRIMETHYLBENZENE 16.534 105 317907 5.29 PPBV 100 97) BENZYL CHLORIDE 16.627 91 263588 4.58 PPBV 100 98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 305447 5.07 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 305447 5.07 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROETHANE 17.576 117 121825 4.99 PPBV 99 105) HEXACHLOROETHANE 17.576 117 121825 4.99 PPBV 99 106) HEXACHLOROBUTZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 100 TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100	90)	2-CHLOROTOLUENE	14.856	126	88415	4.88		
93) 1,3,5-TRIMETHYLBENZENE 15.910 105 310860 5.20 PPBV 100 94) ALPHA-METHYLSTYRENE 16.212 118 154089 4.85 PPBV 99 95) TERT-BUTYLBENZENE 16.528 134 76413 5.38 PPBV 99 96) 1,2,4-TRIMETHYLBENZENE 16.534 105 317907 5.29 PPBV 100 97) BENZYL CHLORIDE 16.627 91 263588 4.58 PPBV 100 98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 305447 5.07 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 305447 5.07 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROBUTADIENE 17.576 117 121825 4.99 PPBV 99 106) HEXACHLOROBUTADIENE 18.634 225 147583 5.03 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 100 TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100	91)	N-PROPYLBENZENE	15.193	120	103410	5.07		
96) 1,2,4-TRIMETHYLBENZENE 16.534 105 317907 5.29 PPBV 100 98) M-DICHLOROBENZENE 16.627 91 263588 4.58 PPBV 100 98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 17.010 146 192317 4.98 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 305447 5.07 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROBENZENE 17.576 117 121825 4.99 PPBV 99 106) HEXACHLOROBUTADIENE 18.634 225 147583 5.03 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 100 TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100	92)	4-ETHYLTOLUENE	15.640	105	367789	5.15		
96) 1,2,4-TRIMETHYLBENZENE 16.534 105 317907 5.29 PPBV 100 98) M-DICHLOROBENZENE 16.627 91 263588 4.58 PPBV 100 98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 17.010 146 192317 4.98 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 305447 5.07 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROBENZENE 17.576 117 121825 4.99 PPBV 99 106) HEXACHLOROBUTADIENE 18.634 225 147583 5.03 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 100 TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100		1,3,5-TRIMETHYLBENZENE	15.910	105	310860	5.20		
96) 1,2,4-TRIMETHYLBENZENE 16.534 105 317907 5.29 PPBV 100 98) M-DICHLOROBENZENE 16.627 91 263588 4.58 PPBV 100 98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 17.010 146 192317 4.98 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 305447 5.07 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROBENZENE 17.576 117 121825 4.99 PPBV 99 106) HEXACHLOROBUTADIENE 18.634 225 147583 5.03 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 100 TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100	94)	ALPHA-METHYLSTYRENE	16.212	118	154089	4.85		
98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 17.010 146 192317 4.98 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 305447 5.07 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROETHANE 17.576 117 121825 4.99 PPBV 99 106) HEXACHLOROBUTADIENE 18.634 225 147583 5.03 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 110) TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100	95)	TERI-BULILBENZENE	10.5∠0	134	/04I3	5.38		
98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 17.010 146 192317 4.98 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 305447 5.07 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROETHANE 17.576 117 121825 4.99 PPBV 99 106) HEXACHLOROBUTADIENE 18.634 225 147583 5.03 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 110) TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100	96)	1,2,4-TRIMETHYLBENZENE	16.534	105	317907	5.29	PPBV	7 100
98) M-DICHLOROBENZENE 16.598 146 201910 4.83 PPBV 100 99) P-DICHLOROBENZENE 16.692 146 204152 5.04 PPBV 99 100) O-DICHLOROBENZENE 17.010 146 192317 4.98 PPBV 99 101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 305447 5.07 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROETHANE 17.576 117 121825 4.99 PPBV 99 106) HEXACHLOROBUTADIENE 18.634 225 147583 5.03 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 110) TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100	97)	BENZYL CHLORIDE	16.627	91	263588	4.58	PPBV	100
101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 305447 5.07 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROETHANE 17.576 117 121825 4.99 PPBV 99 106) HEXACHLOROBUTADIENE 18.634 225 147583 5.03 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 110) TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100	98)	M-DICHLOROBENZENE	16.598	146	201910	4.83	PPBV	100
101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 305447 5.07 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROETHANE 17.576 117 121825 4.99 PPBV 99 106) HEXACHLOROBUTADIENE 18.634 225 147583 5.03 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 110) TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100	99)	P-DICHLOROBENZENE	16.692	146	204152	5.04	PPBV	7 99
101) SEC-BUTYLBENZENE 16.839 134 95434 5.29 PPBV 99 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 305447 5.07 PPBV 100 103) P-ISOPROPYLTOLUENE 17.032 134 104354 5.27 PPBV 100 104) N-BUTYLBENZENE 17.396 134 101938 5.14 PPBV 99 105) HEXACHLOROETHANE 17.576 117 121825 4.99 PPBV 99 106) HEXACHLOROBUTADIENE 18.634 225 147583 5.03 PPBV 99 107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 110) TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100	100)	O-DICHLOROBENZENE	17.010	146	192317	4.98	PPBV	99
102)     1,2,3-TRIMETHYLBENZENE     16.955     105     305447     5.07 PPBV     100       103)     P-ISOPROPYLTOLUENE     17.032     134     104354     5.27 PPBV     100       104)     N-BUTYLBENZENE     17.396     134     101938     5.14 PPBV     99       105)     HEXACHLOROETHANE     17.576     117     121825     4.99 PPBV     99       106)     HEXACHLOROBUTADIENE     18.634     225     147583     5.03 PPBV     99       107)     1,2,4-TRICHLOROBENZENE     18.322     180     175966     4.63 PPBV     100       108)     NAPHTHALENE     18.370     128     372235     4.46 PPBV     100       110)     TVHC as equiv Pentane     2.274     TIC     296961     5.41 PPBV     100	101)	SEC-BUTYLBENZENE	16.839	134	95434	5.29	PPBV	99
103) P-ISOPROPYLTOLUENE     17.032     134     104354     5.27 PPBV     100       104) N-BUTYLBENZENE     17.396     134     101938     5.14 PPBV     99       105) HEXACHLOROETHANE     17.576     117     121825     4.99 PPBV     99       106) HEXACHLOROBUTADIENE     18.634     225     147583     5.03 PPBV     99       107) 1,2,4-TRICHLOROBENZENE     18.322     180     175966     4.63 PPBV     100       108) NAPHTHALENE     18.370     128     372235     4.46 PPBV     100       110) TVHC as equiv Pentane     2.274     TIC     296961     5.41 PPBV     100	102)	1,2,3-TRIMETHYLBENZENE				5.07	PPBV	100
104)     N-BUTYLBENZENE     17.396     134     101938     5.14 PPBV     99       105)     HEXACHLOROETHANE     17.576     117     121825     4.99 PPBV     99       106)     HEXACHLOROBUTADIENE     18.634     225     147583     5.03 PPBV     99       107)     1,2,4-TRICHLOROBENZENE     18.322     180     175966     4.63 PPBV     100       108)     NAPHTHALENE     18.370     128     372235     4.46 PPBV     100       110)     TVHC as equiv Pentane     2.274     TIC     296961     5.41 PPBV     100			17.032	134	104354	5.27	PPBV	100
105) HEXACHLOROETHANE     17.576     117     121825     4.99 PPBV     99       106) HEXACHLOROBUTADIENE     18.634     225     147583     5.03 PPBV     99       107) 1,2,4-TRICHLOROBENZENE     18.322     180     175966     4.63 PPBV     100       108) NAPHTHALENE     18.370     128     372235     4.46 PPBV     100       110) TVHC as equiv Pentane     2.274     TIC     296961     5.41 PPBV     100	104)	N-BUTYLBENZENE	17.396	134	101938	5.14	PPBV	7 99
106) HEXACHLOROBUTADIENE     18.634     225     147583     5.03 PPBV     99       107) 1,2,4-TRICHLOROBENZENE     18.322     180     175966     4.63 PPBV     100       108) NAPHTHALENE     18.370     128     372235     4.46 PPBV     100       110) TVHC as equiv Pentane     2.274     TIC     296961     5.41 PPBV     100								
107) 1,2,4-TRICHLOROBENZENE 18.322 180 175966 4.63 PPBV 100 108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 110) TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100				225	147583			
108) NAPHTHALENE 18.370 128 372235 4.46 PPBV 100 110) TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100								
110) TVHC as equiv Pentane 2.274 TIC 296961 5.41 PPBV 100								

M7W405.M Mon Dec 30 13:59:03 2024

Data Path : C:\msdchem\1\data\7w\ Data File: 7w11238.D Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014, v7w405, , , , , 1

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path :  $C:\msdchem\1\data\7w\$ Data File: 7w11238.D Acq On 28 Dec 2024 12:34 pm

: benk Operator : ic405-5 Sample

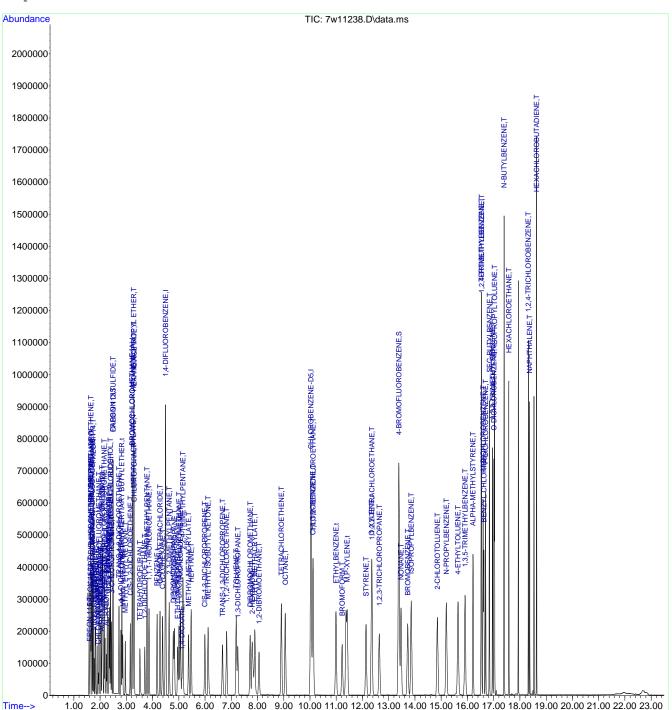
Misc : MS74014, v7w405,,,,,1 Sample Multiplier: 1 ALS Vial : 3

Quant Time: Dec 29 05:06:24 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:02:57 2024

Response via : Initial Calibration



Data Path : C:\msdchem\1\data\7w\ Data File : 7w11240.D Data File : /wil240.D

Acq On : 28 Dec 2024 1:47 pm

Operator : benk

Sample : icc405-10

Misc : MS74014, v7w405,,,,,1 1:47 pm

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) BROMOCHLOROMETHANE	3.226	128	131378	10.00 PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	659033	10.00 PPBV 10.00 PPBV	0.00
76) CHLOROBENZENE-D5	10.033	117	616113	10.00 PPBV	
1) BROMOCHLOROMETHANE 52) 1,4-DIFLUOROBENZENE 76) CHLOROBENZENE-D5 109) BROMOCHLOROMETHANE (A)	3.226	128	131378	10.00 PPBV	0.00
System Monitoring Compounds					
87) 4-BROMOFLUOROBENZENE	13.383	95	447162	10.73 PPBV	0.00
Target Compounds  2) FREON 115  3) FREON 152A  4) CHLORODIFLUOROMETHANE 5) CHLOROTRIFLUOROMETHANE 6) DICHLORODIFLUOROMETHANE 7) PROPYLENE 8) 1-CHLORO-1,1-DIFLUOROE 9) FREON 114 10) CHLOROMETHANE 11) VINYL CHLORIDE 12) 1,3-BUTADIENE 13) N-BUTANE 14) BROMOMETHANE 15) CHLOROFLUOROMETHANE 16) DICHLOROFLUOROMETHANE 17) ACETONITRILE 18) ACROLEIN 19) FREON 123 20) FREON 123A 21) TRICHLOROFLUOROMETHANE 22) ISOPROPYL ALCOHOL 23) ACETONE 24) PENTANE 25) IODOMETHANE 26) 1,1-DICHLOROETHYLENE 27) CARBON DISULFIDE 28) ETHANOL 29) BROMOETHENE 30) ACRYLONITRILE 31) METHYLENE CHLORIDE 32) 3-CHLOROPROPENE 33) FREON 113 34) TRANS-1,2-DICHLOROETHENE 35) TERTIARY BUTYL ALCOHOL 36) METHYL TERTIARY BUTYL 37) TETRAHYDROFURAN 38) HEXANE 39) VINYL ACETATE 40) 1,1-DICHLOROETHENE 41) METHYL ETHYL KETONE 42) CIS-1,2-DICHLOROETHENE					Qvalue
2) FREON 115	1.596	119	159197	74.09 PPBV	90
3) FREON 152A	1.625	65	70619	11.74 PPBV	87
4) CHLORODIFLUOROMETHANE	1.638	67	34075	14.82 PPBV	97
5) CHLOROTRIFLUOROETHENE	1.651	116	169558	10.01 PPBV	# 55
6) DICHLORODIFLUOROMETHANE	1.663	85	361796	7.33 PPBV	97
7) PROPYLENE	1.647	41	87865	8.50 PPBV	95
8) 1-CHLORO-1,1-DIFLUOROE	1.702	65	266833	7.04 PPBV	97
9) FREON 114	1.737	85	300840	8.01 PPBV	92
10) CHLOROMETHANE	1.708	52	33563	7.85 PPBV	94
11) VINYL CHLORIDE	1.769	62	119055	8.61 PPBV	97
12) 1,3-BUTADIENE	1.808	54	94033	8.95 PPBV	# 80
13) N-BUTANE	1.824	43	174592	7.87 PPBV	97
14) BROMOMETHANE	1.882	94	103381	7.11 PPBV	99
15) CHLOROETHANE	1.930	64	61993	8.71 PPBV	95
16) DICHLOROFLUOROMETHANE	1.956	67	253114	7.73 PPBV	97
17) ACETONITRILE	2.023	41	99368	6.46 PPBV	98
18) ACROLEIN	2.062	56	53905	7.69 PPBV	100
19) FREON 123	2.075	83	265342	7.41 PPBV	97
20) FREON 123A	2.091	117	174347	7.60 PPBV	95
21) TRICHLOROFLUOROMETHANE	2.155	101	327408	6.55 PPBV	100
22) ISOPROPYL ALCOHOL	2.175	45	247379	7.31 PPBV	96
23) ACETONE	2.101	58	61121	7.39 PPBV	73
24) PENTANE	2.271	42	126473	7.40 PPBV	95
25) IODOMETHANE	2.332	142	309671	7.54 PPBV	85
26) I,I-DICHLOROETHYLENE	2.358	96	115617	7.71 PPBV	91
27) CARBON DISULFIDE	2.493	76	317177	9.43 PPBV	# 89
28) ETHANOL	1.959	45	62292	5.92 PPBV	99
29) BROMOETHENE	2.030	T06	112928	7.39 PPBV	96
30) ACRYLONITRILE	2.239	52	88292	8.10 PPBV	99
31) METHYLENE CHLORIDE	2.396	84	101654	7.33 PPBV	99
32) 3-CHLOROPROPENE	2.435	1 - 1	5/302	8.22 PPBV	79
33) FREUN 113	2.490	T2T	193605	0.00 PPBV	91
34) TRANS-1,2-DICHLOROEIHENE	2.710	90	121049	7.69 PPBV	04
35) TERTIARY BUTYL ALCOHOL	2.3/4	59 73	28219Z	7.09 PPBV	93
30) METHYL TERTIARY BUTYL	2.824	73	3/53/5 6016E	0 20 PPBV	96
3/) TETRAHIDROFURAN	3.506	/ Z	00T02	8.30 PPBV	99
30) HEARNE	3.4/4	0.0	243309	9.5/ PPBV	99
40 \ 1 1 DIGILODORULAND	2.009	63	34413	0./4 PPBV	0 /
40) I,I-DICHLOROETHANE	2.792	73	238292	0 01 DDD7	98
41) METHYL ETHYL KETONE	2.956	72	65627	8.91 PPBV	93
42) CIS-1,2-DICHLOROETHENE	3.149	96 50	136752	8.67 PPBV	# 78
43) DIISOPROPYL ETHER	3.28⊥	59	65052	9.34 PPBV	86
44) ETHYL ACETATE	3.284	61	47399	8.74 PPBV	
45) METHYL ACRYLATE	3.271	55	274676	9.87 PPBV	
46) CHLOROFORM	3.297	83	272447	9.74 PPBV	
47) 2,4-DIMETHYLPENTANE	3.785	57	264908	10.43 PPBV	
48) 1,1,1-TRICHLOROETHANE	3.863	97	291408	11.12 PPBV	
49) CARBON TETRACHLORIDE	4.281	117	312176	12.66 PPBV	99

M7W405.M Mon Dec 30 13:59:05 2024

Data Path : C:\msdchem\1\data\7w\ Data File : 7w11240.D Data File : /wil240.D

Acq On : 28 Dec 2024 1:47 pm

Operator : benk

Sample : icc405-10

Misc : MS74014, v7w405,,,,,1 1:47 pm

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 22 00:53:20 2024

Response	via	:	Initial	Calibration	

	Compound	R.T.	QIon	Response	Conc Units	
50)	1.2-DICHLOROETHANE	3.702		207916		
51)	BENZENE CYCLOHEXANE 2.3-DIMETHYLPENTANE	4.171	78	391264	8.99 PPB	v 89
	CYCLOHEXANE	4.377	84	176001	9.71 PPB	V 86
54)	2,3-DIMETHYLPENTANE	4.631	71	90898	9.87 PPB	V 87
55)	TRICHLOROETHENE	5.062	95	186075	9.84 PPB	V 89
56)	1,2-DICHLOROPROPANE	4.827	63	156355		
57)	1,2-DICHLOROPROPANE DIBROMOMETHANE ETHYL ACRYLATE	4.789	174	163006	10.89 PPB	88 V
		4.949	55	347446	10.77 PPB	
59)	BROMODICHLOROMETHANE	5.007	83	305589	11.32 PPB	
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	711259	10.97 PPB	
61)	1,4-DIOXANE	5.078	88	98611	8.03 PPB	
	HEPTANE	5.467	43	252921	10.32 PPB	
	METHYL METHACRYLATE	5.367	69	155284	10.18 PPB 9.65 PPB	V 95
	METHYL ISOBUTYL KETONE	6.094	58	141262	9.65 PPB	V 92
	CIS-1,3-DICHLOROPROPENE	5.988	75	260974	11.14 PPB 9.17 PPB	V 92
	TOLUENE	7.190	91	501403	9.17 PPB	V 98
67)	1,3-DICHLOROPROPANE	7.245	76			
68)	TRANS-1,3-DICHLOROPROPENE 1,1,2-TRICHLOROETHANE	6.663		233274	11.52 PPB	V 96
69)	1,1,2-TRICHLOROETHANE	6.821	83	143467		V 96
	2-HEXANONE	7.756	58	195827	9.35 PPB	
	ETHYL METHACRYLATE	7.888	69	260347	9.94 PPB	
	TETRACHLOROETHENE	8.907			11.49 PPB	
	DIBROMOCHLOROMETHANE	7.721	129	308021	12.06 PPB	
	1,2-DIBROMOETHANE	8.055	107	281582	10.52 PPB	
	OCTANE	9.059	43	351937	10.13 PPB	
	1,1,1,2-TETRACHLOROETHANE		131	230902	11.97 PPB	V 97
,	CHLOROBENZENE	10.110	112		9.97 PPB	
,	ETHYLBENZENE	10.988	91	677850	9.63 PPB	
	M,P-XYLENE	11.419 12.345	91	1056677	19.39 PPB	
	O-XYLENE		91	537862	9.76 PPB	
	STYRENE	12.132	104	417847 371464	9.89 PPB	
,	NONANE	13.470		371464	9.82 PPB	
	BROMOFORM	11.226	173	280283	12.71 PPB 8.64 PPB	V 99
85)	1,1,2,2-TETRACHLOROETHANE	12.361	83	374106	8.64 PPB	V # 97
	1,2,3-TRICHLOROPROPANE		75	296227	10.40 PPB 9.89 PPB	V 100
	ISOPROPYLBENZENE	13.859		209134	9.89 PPB	V 98
	BROMOBENZENE	13.721	77 126	311210	10.25 110	v ))
		14.849		189709	10.34 PPB	
	N-PROPYLBENZENE	15.197		218536	10.09 PPB	
	N-PROPYLBENZENE 4-ETHYLTOLUENE 1 2 5-TDIMETUVI DENZENE	15.640 15.910	105	780911 651438	9.78 PPB	
	I, J, J-IKIMEIHILDENZENE	15.910	105 118			
94)	ALPHA-METHYLSTYRENE TERT-BUTYLBENZENE	16.213	124	327935 157884	10.20 PPB	
		16.213 16.528 16.534	105	137004	9.43 PPB	
90)	I,Z,I IKIMBINIDDINZDIN	16.534	100	662762 587334	9.43 PPB 9.57 PPB	
	BENZYL CHLORIDE M-DICHLOROBENZENE	16.527		12122	9.56 PPB	
		16.692	146	434222 438983	9.89 PPB	
,	O-DICHLOROBENZENE	17.007	146	411459	9.52 PPB	
	SEC-BUTYLBENZENE	16.836	134	198439	9.99 PPB	
	1,2,3-TRIMETHYLBENZENE	16.955	105	642624	9.11 PPB	
	P-ISOPROPYLTOLUENE	17.029		216933	9.81 PPB	
	N-BUTYLBENZENE	17.029		214010	9.01 PPB 9.26 PPB	
,	HEXACHLOROETHANE	17.573	117	268359	10.15 PPB	
,	HEXACHLOROBUTADIENE	18.631	225	315642	11.07 PPB	
	1,2,4-TRICHLOROBENZENE	18.319	180	394080	10.00 PPB	
	NAPHTHALENE	18.367		863409	10.00 PPB	
	TVHC as equiv Pentane	2.271	TIC	604399	7.36 PPB	
,						

Data Path : C:\msdchem\1\data\7w\ Data File : 7w11240.D Data File : /wil240.D

Acq On : 28 Dec 2024 1:47 pm

Operator : benk

Sample : icc405-10

Misc : MS74014, v7w405,,,,,1 1:47 pm

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 22 00:53:20 2024

Response via: Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path :  $C:\msdchem\1\data\7w\$ Data File: 7w11240.D Acq On : 28 Dec 2024 1:47 pm

: benk Operator : icc405-10 Sample

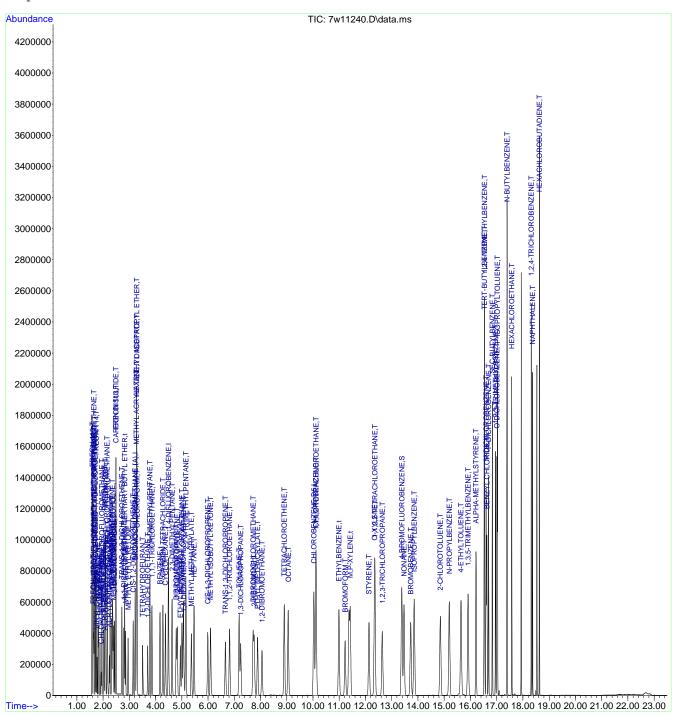
Misc : MS74014, v7w405, , , , , 1 Sample Multiplier: 1 ALS Vial : 4

Quant Time: Dec 29 04:50:37 2024

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMs w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 22 00:53:20 2024

Response via : Initial Calibration



# Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\ Data File : 7w11241.D Acq On : 28 Dec 2024 2:25 pm Operator : benk Sample : ic405-20 Misc : MS74014, v7w405,,,,,1 2:25 pm

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) BROMOCHLOROMETHANE	3.226	128	126854	10.00 PPB	V 0.0
1) BROMOCHLOROMETHANE 52) 1,4-DIFLUOROBENZENE 76) CHLOROBENZENE-D5	4.493	114	638427	10.00 PPB	V 0.0
76) CHLOROBENZENE-D5	10.036	117	603108	10.00 PPB	V 0.0
109) BROMOCHLOROMETHANE (A)	3.226	128	126854	10.00 PPB	V 0.0
System Monitoring Compounds	13.386		444.050	10 05	0.00
87) 4-BROMOFLUOROBENZENE	13.386	95	441368	10.06 PPB	0.00
Target Compounds  2) FREON 115  3) FREON 152A  4) CHLORODIFLUOROMETHANE 5) CHLOROTRIFLUOROMETHANE 6) DICHLORODIFLUOROMETHANE 7) PROPYLENE 8) 1-CHLORO-1,1-DIFLUOROE 9) FREON 114 10) CHLOROMETHANE 11) VINYL CHLORIDE 12) 1,3-BUTADIENE 13) N-BUTANE 14) BROMOMETHANE 15) CHLOROFLUOROMETHANE 16) DICHLOROFLUOROMETHANE 17) ACETONITRILE 18) ACROLEIN 19) FREON 123 20) FREON 123A 21) TRICHLOROFLUOROMETHANE 22) ISOPROPYL ALCOHOL 23) ACETONE 24) PENTANE 25) IODOMETHANE 26) 1,1-DICHLOROETHYLENE 27) CARBON DISULFIDE 28) ETHANOL 29) BROMOETHENE 30) ACRYLONITRILE 31) METHYLENE CHLORIDE 32) 3-CHLOROPROPENE 33) FREON 113 34) TRANS-1,2-DICHLOROETHENE 35) TERTIARY BUTYL ALCOHOL 36) METHYL TERTIARY BUTYL 37) TETRAHYDOFURAN 38) HEXANE 39) VINYL ACETATE 40) 1,1-DICHLOROETHENE 41) METHYL ETHYL KETONE 42) CIS-1,2-DICHLOROETHENE					Qvalue
2) FREON 115	1.596	119	306896	26.40 PPB	V 99
3) FREON 152A	1.625	65	138617	22.37 PPB	V 100
4) CHLORODIFLUOROMETHANE	1.638	67	66594	22.10 PPB	7 99
5) CHLOROTRIFLUOROETHENE	1.650	116	326020	21.56 PPB	V 99
6) DICHLORODIFLUOROMETHANE	1.667	85	099867	22.02 PPB	V 100
/) PROPYLENE	1.64/	41	169555 F10400	22.33 PPB	V 100
8) I-CHLORO-I,I-DIFLUOROE	1.702	05 0E	512499	21.75 PPB	V 100
10) CHIODOMETHANE	1./3/	63	50UZ4U 6/E10	22.70 PPB	V 100
11) CHLOROMETHANE	1.700	62	04310	21.24 PPD	v 99
12) 1 2 DITTANTENT	1 202	5/1	192551	21.03 FFB	v 99
12) 1,3-BUTADIENE	1 824	43	338097	22.JI FFB	v 99
14) BROMOMETHANE	1 882	94	198021	21 52 DDB	v 100
15) CHLOROETHANE	1 930	64	118969	21.32 IIB	v 100
16) DICHLOROFIJIOROMETHANE	1 956	67	488646	21.33 IIB	v 100
17) ACETONITRILE	2 023	41	192313	21.05 IIB	v 100
18) ACROLETN	2.062	56	106570	22.10 PPB	v 99
19) FREON 123	2.075	83	511901	21.82 PPB	v 100
20) FREON 123A	2.094	117	333208	22.49 PPB	v 99
21) TRICHLOROFLUOROMETHANE	2.159	101	623390	21.54 PPB	v 99
22) ISOPROPYL ALCOHOL	2.171	45	473419	21.61 PPB	V 100
23) ACETONE	2.101	58	117725	21.30 PPB	v 98
24) PENTANE	2.271	42	244309	22.30 PPB	V 100
25) IODOMETHANE	2.332	142	591604	22.44 PPB	V 100
26) 1,1-DICHLOROETHYLENE	2.361	96	221667	21.84 PPB	V 100
27) CARBON DISULFIDE	2.493	76	613010	21.98 PPB	V 99
28) ETHANOL	1.959	45	118748	20.62 PPB	V 100
29) BROMOETHENE	2.033	106	214598	21.70 PPB	V 99
30) ACRYLONITRILE	2.242	52	169494	22.65 PPB	V 99
31) METHYLENE CHLORIDE	2.396	84	194495	21.35 PPB	V 97
32) 3-CHLOROPROPENE	2.438	76	110765	21.67 PPB	V 99
33) FREON 113	2.493	151	367709	21.49 PPB	V 100
34) TRANS-1,2-DICHLOROETHENE	2.718	96	235716	21.81 PPB	V 99
35) TERTIARY BUTYL ALCOHOL	2.371	59	539655	20.14 PPB	V 99
36) METHYL TERTIARY BUTYL	2.824	73	723428	22.26 PPB	V 100
37) TETRAHYDROFURAN	3.506	72	117493	21.83 PPB	V 98
38) HEXANE	3.277	57	430909	21.67 PPB	V 99
39) VINYL ACETATE	2.859	86	67826	22.25 PPB	V 97
40) 1,1-DICHLOROETHANE	2.792	63	457937	22.05 PPB	V 100
41) METHYL ETHYL KETONE	2.956	72	126630	22.17 PPB	V 100
42) CIS-1,2-DICHLOROETHENE	3.149	96	263112	22.01 PPB	V 99
43) DIISOPROPYL ETHER	3.281	59	125352	22.33 PPB	
44) ETHYL ACETATE	3.284	61	89942	21.78 PPB	
45) METHYL ACRYLATE	3.271	55 02	529034	22.22 PPB	
46) CHLOROFORM	3.300	83 57	516462	21.80 PPB	
47) 2,4-DIMETHYLPENTANE 48) 1,1,1-TRICHLOROETHANE	3.785 3.863	57 97	506373 564470	22.17 PPB 22.35 PPB	
49) CARBON TETRACHLORIDE	4.281	117	609663	22.69 PPB	
TO   CARDON ILIKACHLOKIDE	4.201	тт /	009003	44.09 PPB	v 100

M7W405.M Mon Dec 30 13:59:07 2024

Page: 1

Data Path :  $C:\msdchem\1\data\7w\$ Data File : 7w11241.D Data File : /wilzil.D

Acq On : 28 Dec 2024 2:25 pm

Operator : benk

Sample : ic405-20

Misc : MS74014, v7w405,,,,,1 2:25 pm

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
50)	1,2-DICHLOROETHANE BENZENE CYCLOHEXANE 2,3-DIMETHYLPENTANE TRICHLOROETHENE 1,2-DICHLOROPROPANE DIBROMOMETHANE ETHYL ACRYLATE BROMODICHLOROMETHANE 2,2,4-TRIMETHYLPENTANE 1,4-DIOXANE HEPTANE METHYL METHACRYLATE METHYL ISOBUTYL KETONE CIS-1,3-DICHLOROPROPENE TOLUENE 1,3-DICHLOROPROPANE TRANS-1,3-DICHLOROPROPENE 1,1,2-TRICHLOROETHANE 2-HEXANONE ETHYL METHACRYLATE TETRACHLOROETHENE DIBROMOCHLOROMETHANE 1,2-DIBROMOETHANE	3.702	 62	402638	22.56 PPBV	99
51)	BENZENE	4.171	78	755006	22.64 PPBV	100
53)	CYCLOHEXANE	4.377	84	339869	22.43 PPBV	99
54)	2,3-DIMETHYLPENTANE	4.631	71	174649	22.38 PPBV	100
55)	TRICHLOROETHENE	5.062	95	359704	21.51 PPBV	100
56)	1,2-DICHLOROPROPANE	4.830	63	303407	21.63 PPBV	100
57)	DIBROMOMETHANE	4.789	174	312992	21.48 PPBV	100
58)	ETHYL ACRYLATE	4.946	55	676723	22.37 PPBV	100
59)	BROMODICHLOROMETHANE	5.007	83	587425	21.65 PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	1375032	22.23 PPBV	100
61)	1,4-DIOXANE	5.072	88	186784	20.95 PPBV	98
62)	HEPTANE	5.470	43	488300	22.76 PPBV	100
63)	METHYL METHACRYLATE	5.367	69	299512	22.42 PPBV	99
64)	METHYL ISOBUTYL KETONE	6.094	58	271987	22.01 PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	507797	22.32 PPBV	100
66)	TOLUENE	7.190	91	973750	22.00 PPBV	100
67)	1,3-DICHLOROPROPANE	7.248	76	478931	21.95 PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	458798	21.61 PPBV	99
69)	1,1,2-TRICHLOROETHANE	6.824	83	278027	22.03 PPBV	100
70)	2-HEXANONE	7.760	58	377518	21.81 PPBV	99
71)	ETHYL METHACRYLATE	7.891	69	506129	21.83 PPBV	100
72)	TETRACHLOROETHENE	8.911	164	383020	22.40 PPBV	99
73)	DIBROMOCHLOROMETHANE	7.721	129	613995	22.67 PPBV	100
74)	1,2-DIBROMOETHANE	8.062	107	545593	22.79 PPBV	99
75)	TETRACHLOROETHENE DIBROMOCHLOROMETHANE 1,2-DIBROMOETHANE OCTANE 1,1,1,2-TETRACHLOROETHANE CHLOROBENZENE ETHYLBENZENE M,P-XYLENE O-XYLENE STYRENE NONANE BROMOFORM 1,1,2,2-TETRACHLOROETHANE	9.059	43	685319	22.86 PPBV	100
77)	1,1,1,2-TETRACHLOROETHANE	10.126	131	451908	22.41 PPBV	100
78)	CHLOROBENZENE	10.113	112	814457	22.39 PPBV	100
79)	ETHYLBENZENE	10.991	91	1320164	22.74 PPBV	100
80)	M,P-XYLENE	11.422	91	2058784	44.15 PPBV	97
81)	O-XYLENE	12.351	91	1048912	22.42 PPBV	100
82)	STYRENE	12.136	104	820877	23.04 PPBV	100
83)	NONANE	13.476	43	726869	22.53 PPBV	100
84)	BROMOFORM	11.229	173	563890	23.16 PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.364	83	732603	22.70 PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.644	75	576776	21.83 PPBV	100
88)	ISOPROPYLBENZENE	13.859	120	409277	21.93 PPBV	100
89)	BROMOBENZENE	13.727	77	739407	21.57 PPBV	99
90)	2-CHLOROTOLUENE	14.859	126	371222	21.39 PPBV	100
91)	N-PROPYLBENZENE	15.200	120	428493	21.98 PPBV	100
92)	4-ETHYLTOLUENE	15.643	105	1547675	23.00 PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	15.917	105	1290766	22.94 PPBV	100
94)	ALPHA-METHYLSTYRENE	16.216	118	655690	22.20 PPBV	100
95)	BROMOFORM  1,1,2,2-TETRACHLOROETHANE  1,2,3-TRICHLOROPROPANE ISOPROPYLBENZENE BROMOBENZENE 2-CHLOROTOLUENE N-PROPYLBENZENE 4-ETHYLTOLUENE  1,3,5-TRIMETHYLBENZENE ALPHA-METHYLSTYRENE TERT-BUTYLBENZENE 1,2,4-TRIMETHYLBENZENE BENZYL CHLORIDE M-DICHLOROBENZENE P-DICHLOROBENZENE O-DICHLOROBENZENE SEC-BUTYLBENZENE	16.531	134	310716	22.85 PPBV	99
96)	1,2,4-TRIMETHYLBENZENE	16.541	105	1317303	23.21 PPBV	100
97)	BENZYL CHLORIDE	16.631	91	1195390	22.98 PPBV	100
98)	M-DICHLOROBENZENE	16.602	146	866695	22.10 PPBV	100
99)	P-DICHLOROBENZENE	16.695	146	880704	23.27 PPBV	99
100)	O-DICHLOROBENZENE	17.010	146	820370	22.71 PPBV	100
101)	SEC-BUTYLBENZENE	16.840	134	391899	22.95 PPBV	99
	1,2,3-TRIMETHYLBENZENE	16.959		1280395	22.70 PPBV	
103)	P-ISOPROPYLTOLUENE	17.032	134	426177	22.64 PPBV	99
104)	N-BUTYLBENZENE	17.396	134	426836	23.04 PPBV	99
105)	HEXACHLOROETHANE	17.573	117	540620	23.91 PPBV	100
106)	HEXACHLOROBUTADIENE	18.634	225	657155	24.71 PPBV	
107)	1,2,4-TRICHLOROBENZENE	18.322	180	830811	25.23 PPBV	
	NAPHTHALENE	18.370			24.88 PPBV	100
	TVHC as equiv Pentane	2.271	TIC	1194978	22.35 PPBV	

M7W405.M Mon Dec 30 13:59:07 2024

Data Path : C:\msdchem\1\data\7w\ Data File : 7w11241.D Acq On : 28 Dec 2024 2:25 pr Operator : benk Sample : ic405-20 Misc : MS74014, v7w405,,,,,1 2:25 pm

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 04:57:55 2024

Response via : Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path :  $C:\msdchem\1\data\7w\$ Data File: 7w11241.D Acq On : 28 Dec 2024 2:25 pm

: benk Operator : ic405-20 Sample

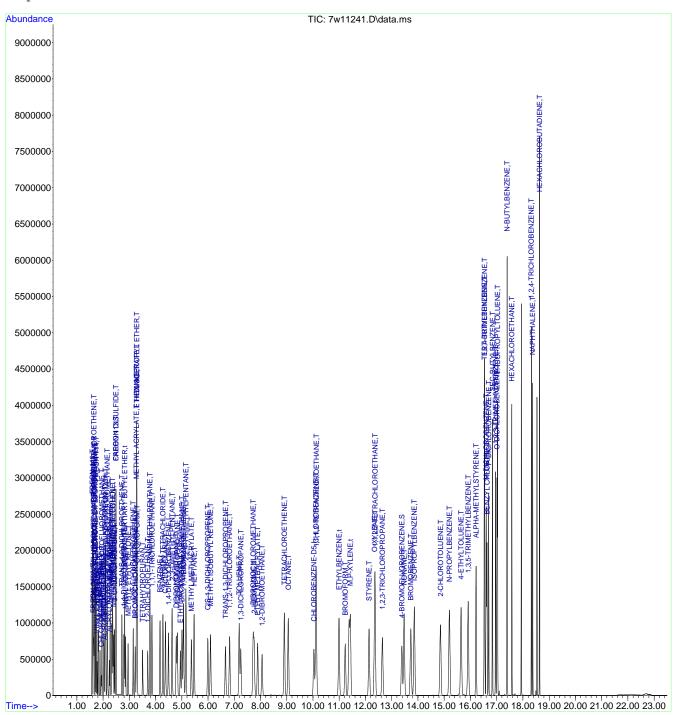
Misc : MS74014, v7w405, , , , , 1 Sample Multiplier: 1 ALS Vial : 4

Quant Time: Dec 29 04:59:47 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 04:57:55 2024

Response via : Initial Calibration



Data Path : C:\msdchem\1\data\7w\ Acq On : 28 Dec 2024
Operator : benk
Sample : ic405-40
Misc : MGT11 Data File : 7w11242.D 3:08 pm

: MS74014, v7w405,,,,,1 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units I	Dev(Min)
Inte	rnal Standards					
1)	BROMOCHLOROMETHANE	3.226	128	128392	10.00 PPBV	0.00
52)	1,4-DIFLUOROBENZENE	4.493	114	638040	10.00 PPBV	0.00
76)	CHLOROBENZENE-D5	10.036	117	608914	10.00 PPBV	0.00
109)	BROMOCHLOROMETHANE 1,4-DIFLUOROBENZENE CHLOROBENZENE-D5 BROMOCHLOROMETHANE (A)	3.226	128	128392	10.00 PPBV	0.00
Syst	em Monitoring Compounds					
87)	4-BROMOFLUOROBENZENE	13.386	95	448477	10.10 PPBV	0.00
Targ	4-BROMOFLUOROBENZENE  et Compounds    FREON 115    FREON 152A    CHLORODIFLUOROMETHANE    CHLOROTRIFLUOROMETHANE    DICHLORODIFLUOROMETHANE    PROPYLENE    1-CHLORO-1,1-DIFLUOROE    FREON 114    CHLOROMETHANE    VINYL CHLORIDE    1,3-BUTADIENE    N-BUTANE    BROMOMETHANE    CHLOROFLUOROMETHANE    ACETONITRILE    ACROLEIN    FREON 123    FREON 123A    FREON 123A    TRICHLOROFLUOROMETHANE    ISOPROPYL ALCOHOL    ACETONE    PENTANE    IODOMETHANE    1,1-DICHLOROETHYLENE    CARBON DISULFIDE    ETHANOL    BROMOETHENE    ACRYLONITRILE    ACRYLONITRILE    METHYLENE CHLORIDE    3-CHLOROPROPENE    FREON 113    TRANS-1,2-DICHLOROETHENE    TERTIARY BUTYL ALCOHOL    METHYL TERTIARY BUTYL    TETRAHYDROFURAN    HEXANE    VINYL ACETATE    1,1-DICHLOROETHANE    METHYL ETHYL KETONE    CIS-1,2-DICHLOROETHENE					Qvalue
2)	FREON 115	1.596	119	78301	6.17 PPBV	99
3)	FREON 152A	1.628	65	271083	42.58 PPBV	100
4)	CHLORODIFLUOROMETHANE	1.638	67	132367	42.80 PPBV	99
5)	CHLOROTRIFLUOROETHENE	1.651	116	640501	41.48 PPBV	100
6)	DICHLORODIFLUOROMETHANE	1.667	85	1369137	42.02 PPBV	99
7)	PROPYLENE	1.647	41	334942	43.23 PPBV	99
8)	1-CHLORO-1,1-DIFLUOROE	1.705	65	992525	41.26 PPBV	99
9)	FREON 114	1.737	85	1128910	43.25 PPBV	100
10)	CHLOROMETHANE	1.708	52	126447	40.84 PPBV	99
11)	VINYL CHLORIDE	1.770	62	457248	41.26 PPBV	99
12)	1,3-BUTADIENE	1.808	54	359850	43.23 PPBV	98
13)	N-BUTANE	1.824	43	664309	42.89 PPBV	100
14)	BROMOMETHANE	1.882	94	388703	41.40 PPBV	99
15)	CHLOROETHANE	1.930	64	234917	41.29 PPBV	98
16)	DICHLOROFLUOROMETHANE	1.956	67	953303	41.67 PPBV	99
17)	ACETONITRILE	2.024	41	382342	40.79 PPBV	99
18)	ACROLEIN	2.062	56	210760	42.45 PPBV	98
19)	FREON 123	2.075	83	1007587	42.03 PPBV	99
20)	FREON 123A	2.094	117	645065	42.70 PPBV	99
21)	TRICHLORUFLUORUMETHANE	2.159	TOT	1198641	40./1 PPBV	99
22)	A CHICAGO	2.1/1	45	919602	41.21 PPBV	99
23)	ACE I ONE	2.101	20	476107	40.49 PPBV	96
25)	TODOMETRIVE FENIANE	2.271	1/12	11/11/26	42.02 PPBV	100
25)	1 1_DICUI ODOFTUVI FNF	2.332	06	123230	/11 Q1 PPDV	100
20)	CADDOM DIGITETOR	2.301	76	1100060	41.91 PPBV	90
201	ETUNNOT	1 050	15	221121	20 51 77	90
20)	BROMOFTHEME	2 033	106	418405	41 48 DDBV	99
301	ACDVI.ONITE II.F	2.033	52	320828	41.40 FFBV	99
31)	METHVI.FNF CHI.OPIDE	2.242	84	377713	40.13 FFBV	99
32)	3-CHI.ORODRODENE	2 438	76	216809	41 46 DDRV	98
33)	FREON 113	2 493	151	702415	40 38 PPRV	99
34)	TRANS-1.2-DICHLOROETHENE	2.718	96	459126	41.44 PPBV	99
35)	TERTIARY BUTYL ALCOHOL	2 371	59	1038619	38 07 PPRV	98
36)	METHYL TERTIARY RUTYL	2 824	73	1408890	42 40 PPRV	99
37)	TETRAHYDROFIIRAN	3.503	72	230020	41.68 PPBV	98
38)	HEXANE	3.278	57	841035	41.48 PPBV	99
39)	VINVI. ACETATE	2 860	86	135381	42 88 PPRV	96
40)	1.1-DICHLOROETHANE	2.792	63	894939	42.15 PPBV	100
41)	METHYL ETHYL KETONE	2.956	72	247507	42.44 PPBV	100
42)	CIS-1,2-DICHLOROETHENE	3.152	96	508963	41.67 PPBV	98
43)	DIISOPROPYL ETHER	3.281	59	242060	42.13 PPBV	100
	ETHYL ACETATE	3.287	61	173891	41.49 PPBV	97
	METHYL ACRYLATE	3.271	55	1030168	42.35 PPBV	
	CHLOROFORM	3.300	83	994566	41.35 PPBV	99
,	2,4-DIMETHYLPENTANE	3.786	57	995716	42.70 PPBV	100
	1,1,1-TRICHLOROETHANE	3.866	97	1104833	42.73 PPBV	99
	CARBON TETRACHLORIDE	4.284	117	1201848	43.46 PPBV	100

M7W405.M Mon Dec 30 13:59:09 2024

Page: 1

Data Path :  $C:\msdchem\1\data\7w\$ Data File : 7w11242.D Data File : /wilz=2.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014, v7w405, , , , , 1

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
50)	1,2-DICHLOROETHANE BENZENE	3.702	62	786023	43.02 PPBV	100
51)	BENZENE	4.171	78	1 40 60 40	40 00 000	100
53)	BENZENE CYCLOHEXANE 2,3-DIMETHYLPENTANE	4.380	84	660333	43.33 PPBV 43.05 PPBV 43.55 PPBV 41.42 PPBV 41.86 PPBV 41.83 PPBV 43.54 PPBV 42.23 PPBV 42.95 PPBV	99
54)	2,3-DIMETHYLPENTANE	4.634	71	342659	43.55 PPBV	99
55)	TRICHLOROETHENE	5.065	95	697734	41.42 PPBV	100
56)	1,2-DICHLOROPROPANE	4.834	63	592598	41.86 PPBV	100
57)	DIBROMOMETHANE	4.792	174	613694	41.83 PPBV	100
58)	DIBROMOMETHANE ETHYL ACRYLATE	4.953	55	1336385	43.54 PPBV	100
59)	BROMODICHLOROMETHANE	5.014	83	1156711	42.23 PPBV	99
60)	2,2,4-TRIMETHYLPENTANE 1,4-DIOXANE	5.158	57	2680756	42.95 PPBV 40.48 PPBV	100
61)	1,4-DIOXANE		88	360357	40.48 PPBV	97
62)	HEPTANE	5.474	43	959929	40.48 PPBV 44.25 PPBV 43.68 PPBV 42.76 PPBV 42.81 PPBV 42.70 PPBV 42.50 PPBV 42.88 PPBV 42.06 PPBV	100
	METHYL METHACRYLATE	5.367	69	588562	43.68 PPBV	98
64)	METHYL ISOBUTYL KETONE	6.094	58	531405	42.76 PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	1007886	43.71 PPBV	100
66)	TOLIENE	7 194	91	1917193	42.81 PPBV	99
67)	1,3-DICHLOROPROPANE TRANS-1,3-DICHLOROPROPENE 1,1,2-TRICHLOROETHANE 2-HEYANONE	7.252	76	942161	42.70 PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.670	75 83 58	919599	42.50 PPBV	98
69)	1,1,2-TRICHLOROETHANE	6.827	83	546179	42.88 PPBV	100
, , ,	Z IIIIIIIIIIII	7.760	58	734508	42.06 PPBV	98
71)	ETHYL METHACRYLATE TETRACHLOROETHENE	7.898	69	990940	42.20 PPBV	99
72)	TETRACHLOROETHENE	8.914	164	760618	44.10 PPBV	100
73)	DIBROMOCHLOROMETHANE 1,2-DIBROMOETHANE OCTANE	7.724 8.068	129	1226800	44.15 PPBV	100
74)	1,2-DIBROMOETHANE	8.068	107	1076666	44.47 PPBV	100
75)	OCTANE	9.065	43	1356937	44.57 PPBV	100
	1,1,1,2-TETRACHLOROETHANE	10.133	131	890891	43.21 PPBV	99
	CHLOROBENZENE	10.120	112	1599753	43.04 PPBV	99
	ETHYLBENZENE	10.997	91	2611736	42.06 PPBV 42.20 PPBV 44.10 PPBV 44.15 PPBV 44.47 PPBV 43.21 PPBV 43.04 PPBV 43.04 PPBV 43.04 PPBV 43.28 PPBV 43.28 PPBV 43.88 PPBV	99
	M,P-XYLENE	11.428	91	4059078	85.31 PPBV	97
,	O-XYLENE	12.358	91	2063787	43.28 PPBV	99
	STYRENE	12.145	104	1646434	45.06 PPBV 43.88 PPBV 44.81 PPBV 43.59 PPBV 42.27 PPBV 41.64 PPBV 41.58 PPBV 43.25 PPBV 44.97 PPBV 45.35 PPBV 44.96 PPBV 45.73 PPBV 45.73 PPBV 45.73 PPBV	99
	NONANE		43	1444945	43.88 PPBV	99
	BROMOFORM	11.239	1/3	1131928	44.81 PPBV	100
	1,1,2,2-TETRACHLOROETHANE		83 75	1439047	43.59 PPBV	100
00)	1,2,3-TRICHLOROPROPANE	13.872	120	1130/40	42.27 PPBV	100 99
	ISOPROPYLBENZENE BROMOBENZENE	13.737	77	1450071	42.55 PPBV	100
09)	OROMODENZENE	14.865	126	727057	41.04 PPDV	100
90)	N_DDODVI DENZENE		120	737037 961737	41.30 PPDV	99
91)	BROMOBENZENE 2-CHLOROTOLUENE N-PROPYLBENZENE 4-ETHYLTOLUENE	15.206 15.650	105	2111096	43.23 FFBV	100
92)	1 2 5_TDIMETHVI.RENZENE	15.030	105	2621466	45 35 DDBV	100
941	1,3,5-TRIMETHYLBENZENE ALPHA-METHYLSTYRENE	16 219	118	1342872	44 04 DDRV	100
0 - 1	MADA DIMIT DESIGNA	1 ( [ ] [	134	619552	44 56 PPRV	98
96)	1,2,4-TRIMETHYLBENZENE	16 547	105	2668790	45 73 DDBV	99
97)	BENZYL CHLORIDE	16.634	91	2480317	45 63 PPRV	100
	M-DICHLOROBENZENE	16.608	146	1757061	43 47 PPRV	100
99)	P-DICHLOROBENZENE	16.698		1789106	45.63 PPBV 43.47 PPBV 45.79 PPBV 44.86 PPBV 44.86 PPBV	99
100)	P-DICHLOROBENZENE O-DICHLOROBENZENE	17.017	146	1669395	44 86 PPRV	100
101)	SEC-BUTYLBENZENE	16.843	134	787041	44.86 PPBV	100
	1,2,3-TRIMETHYLBENZENE	16.962		2615378	45.01 PPBV	100
	P-ISOPROPYLTOLUENE	17.036		851176	44.08 PPBV	
	N-BUTYLBENZENE	17.399		867814	45.39 PPBV	
	HEXACHLOROETHANE	17.576		1087679	46.31 PPBV	
	HEXACHLOROBUTADIENE	18.634		1294963	46.02 PPBV	
,		18.325	180		50.35 PPBV	
,	NAPHTHALENE	18.373		3967394	52.90 PPBV	
110)	TVHC as equiv Pentane	2.271	TIC	2326791	42.64 PPBV	

Data Path : C:\msdchem\1\data\7w\ Data File : 7w11242.D Acq On : 28 Dec 2024 3:08 pr Operator : benk Sample : ic405-40 Misc : MS74014, v7w405,,,,,1 3:08 pm

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:00:22 2024

Response via : Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path :  $C:\msdchem\1\data\7w\$ Data File: 7w11242.D 3:08 pm Acq On : 28 Dec 2024 : benk

Operator : ic405-40 Sample

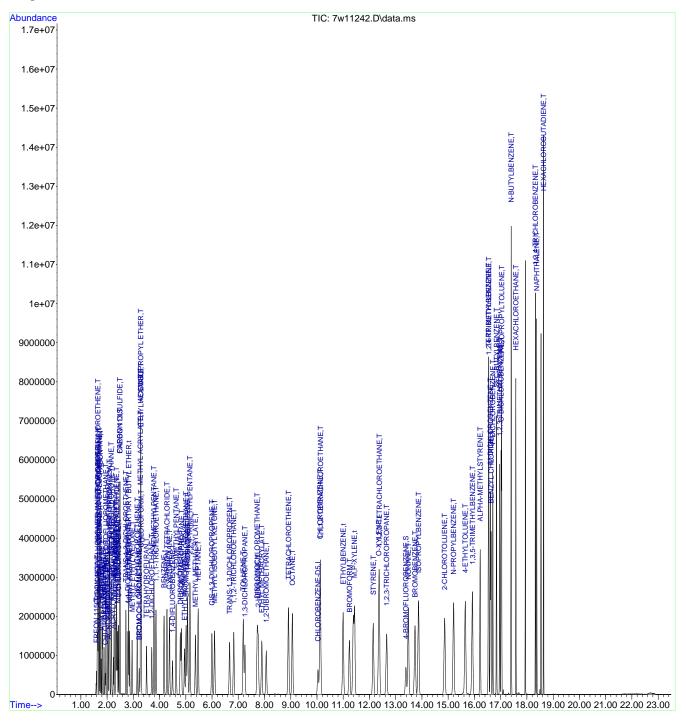
Misc : MS74014, v7w405, , , , , 1 Sample Multiplier: 1 ALS Vial : 4

Quant Time: Dec 29 05:01:19 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:00:22 2024

Response via : Initial Calibration



M7W405.M Mon Dec 30 13:59:09 2024

Page: 4 SGS

Data Path :  $C:\msdchem\1\data\7w\$ Data File : 7w11243.D : 28 Dec 2024 3:52 pm

Operator : 28 Dec 20
Operator : benk
Sample : ic405-50
Misc : MCC1401

Misc : MS74014, v7w405,,,,,1 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration

-	a 1		0.7	_		(25! )			
	Compound	R.T.	QION	Response	Conc Units I	ev(Min)			
Internal Standards									
1)	BROMOCHLOROMETHANE	3.229	128	131520	10.00 PPBV	0.00			
52)	1,4-DIFLUOROBENZENE	4.496	114	651140	10.00 PPBV	0.00			
76)	CHLOROBENZENE-D5	10.036	117	631688	10.00 PPBV 10.00 PPBV	0.00			
109)	BROMOCHLOROMETHANE  1,4-DIFLUOROBENZENE CHLOROBENZENE-D5 BROMOCHLOROMETHANE (A)	3.229	128	131506	10.00 PPBV	0.00			
Syst	em Monitoring Compounds 4-BROMOFLUOROBENZENE			454010	40 05				
87)	4-BROMOFLUOROBENZENE	13.390	95	464012	10.05 PPBV	0.00			
Тэга	## MONITOTING COMPONINGS 4-BROMOFLUOROBENZENE  et Compounds     FREON 115     FREON 152A     CHLORODIFLUOROMETHANE     CHLORODIFLUOROMETHANE     DICHLORODIFLUOROMETHANE     PROPYLENE 1-CHLORO-1,1-DIFLUOROE     FREON 114     CHLOROMETHANE     VINYL CHLORIDE 1,3-BUTADIENE     N-BUTANE     BROMOMETHANE     CHLOROFLUOROMETHANE     ACETONITRILE     ACROLEIN     FREON 123     FREON 123A     TRICHLOROFLUOROMETHANE     ISOPROPYL ALCOHOL     ACETONE     PENTANE     IODOMETHANE 1,1-DICHLOROETHYLENE     CARBON DISULFIDE     ETHANOL     BROMOETHENE     ACRYLONITRILE     METHYLENE CHLORIDE     3-CHLOROPROPENE     FREON 113     TRANS-1,2-DICHLOROETHENE     TERTIARY BUTYL     TETTAHYDROFURAN     HEXANE     VINYL ACETATE 1,1-DICHLOROETHANE     METHYL ETHYL KETONE     CIS-1,2-DICHLOROETHENE					مرر ا دیر			
2)	FREON 115	1.599	119	741705	72.63 PPBV	100			
3)	FREON 152A	1.628	65	330254	50.71 PPBV	100			
4)	CHLORODIFLUOROMETHANE	1.638	67	159956	50.37 PPBV	99			
5)	CHLOROTRIFLUOROETHENE	1.651	116	768882	48.76 PPBV	100			
6)	DICHLORODIFLUOROMETHANE	1.667	85	1645131	49.40 PPBV	99			
7)	PROPYLENE	1.647	41	405917	51.25 PPBV	99			
8)	1-CHLORO-1,1-DIFLUOROE	1.705	65	1189703	48.61 PPBV	99			
9)	FREON 114	1.737	85	1353130	50.82 PPBV	100			
10)	CHLOROMETHANE	1.708	52	152465	48.29 PPBV	98			
11)	VINYL CHLORIDE	1.770	62	552847	48.68 PPBV	100			
12)	1,3-BUTADIENE	1.808	54	438160	51.38 PPBV	98			
13)	N-BUTANE	1.824	43	801394	50.60 PPBV	99			
14)	BROMOMETHANE	1.882	94	469518	48.99 PPBV	99			
15)	CHLOROETHANE	1.930	64	286683	49.28 PPBV	98			
16)	DICHLOROFLUOROMETHANE	1.956	67	1156192	49.55 PPBV	99			
10)	ACETONITRILE	2.024	41	404245 255021	48.23 PPBV	99			
10)	ACROLLIN EDEON 122	2.002	00	233U3I	10 20 PDBV	99			
20 ) 19 )	FREON 123	2.075	117	776496	49.30 PPBV	99			
21)	TRICHLOROFILIOROMETHANE	2 159	101	1437566	48 14 DDRV	100			
22)	TSOPROPYL ALCOHOL	2.171	45	1119311	49.31 PPBV	99			
23)	ACETONE	2.101	58	279034	48.35 PPBV	94			
24)	PENTANE	2.271	42	578759	50.86 PPBV	98			
25)	IODOMETHANE	2.332	142	1380179	50.59 PPBV	100			
26)	1,1-DICHLOROETHYLENE	2.361	96	522266	49.55 PPBV	98			
27)	CARBON DISULFIDE	2.493	76	1448449	49.60 PPBV	97			
28)	ETHANOL	1.959	45	282775	47.56 PPBV	99			
29)	BROMOETHENE	2.030	106	504672	49.11 PPBV	99			
30)	ACRYLONITRILE	2.242	52	403117	51.71 PPBV	99			
31)	METHYLENE CHLORIDE	2.397	84	457423	48.53 PPBV	99			
32)	3-CHLOROPROPENE	2.438	76	264624	49.56 PPBV	96			
33)	FREUN 113	2.493	T2T	84/049	48.11 PPBV	100			
34) 25)	TEDTIADY DITTY ALCOHOL	2.710	90 E0	1254696	49.15 PPBV	99			
36)	METUVI TEDTIADV DITTVI	2.3/1	72	1700140	50.34 PPDV	100			
30)	TETRAHYDROFIIRAN	3 503	73	279916	49 61 DDRV	99			
38)	HEXANE	3 277	7.2 5.7	1018882	49 33 PPRV	98			
39)	VINVI. ACETATE	2 863	86	164258	50 40 PPRV	100			
40)	1,1-DICHLOROETHANE	2.795	63	1086544	50.15 PPBV	100			
41)	METHYL ETHYL KETONE	2.956	72	300553	50.53 PPBV	100			
42)	CIS-1,2-DICHLOROETHENE	3.152	96	620942	49.96 PPBV	98			
	DIISOPROPYL ETHER	3.284	59	294295	50.32 PPBV	99			
44)	ETHYL ACETATE	3.287	61	210312	49.48 PPBV	98			
45)	METHYL ACRYLATE	3.274	55	1251870	50.49 PPBV	# 100			
	CHLOROFORM	3.303	83	1199986	49.23 PPBV	99			
	2,4-DIMETHYLPENTANE	3.789	57	1214203	50.98 PPBV	100			
	1,1,1-TRICHLOROETHANE	3.866	97	1336098	50.59 PPBV	99			
49)	CARBON TETRACHLORIDE	4.284	117	1464922	51.64 PPBV	100			

M7W405.M Mon Dec 30 13:59:11 2024

Data Path :  $C:\msdchem\1\data\7w\$ Data File : 7w11243.D Data File : /wil243.D

Acq On : 28 Dec 2024 3:52 pm

Operator : benk

Sample : ic405-50

Misc : MS74014, v7w405,,,,,1 3:52 pm

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units I	Dev(Min)
50)	1,2-DICHLOROETHANE BENZENE CYCLOHEXANE 2,3-DIMETHYLPENTANE TRICHLOROETHENE 1,2-DICHLOROPROPANE DIBROMOMETHANE ETHYL ACRYLATE BROMODICHLOROMETHANE 2,2,4-TRIMETHYLPENTANE 1,4-DIOXANE HEPTANE METHYL METHACRYLATE METHYL ISOBUTYL KETONE CIS-1,3-DICHLOROPROPENE TOLUENE 1,3-DICHLOROPROPANE TRANS-1,3-DICHLOROPROPENE 1,1,2-TRICHLOROETHANE 2-HEXANONE ETHYL METHACRYLATE TETRACHLOROETHENE DIBROMOCHLOROMETHANE 1,2-DIBROMOETHANE 1,2-TETRACHLOROETHANE 1,1,1,2-TETRACHLOROETHANE CHLOROBENZENE M,P-XYLENE O-XYLENE STYRENE NONANE BROMOFORM 1,1,2,2-TETRACHLOROETHANE 1,2,3-TRICHLOROPROPANE	3.705	 62	955960	51.25 PPBV	100
51)	BENZENE	4.175	78	1792719	51.55 PPBV	100
53)	CYCLOHEXANE	4.380	84	802582	51.32 PPBV	99
54)	2,3-DIMETHYLPENTANE	4.634	71	416634	51.90 PPBV	99
55)	TRICHLOROETHENE	5.068	95	847031	49.44 PPBV	100
56)	1,2-DICHLOROPROPANE	4.837	63	718356	49.76 PPBV	100
57)	DIBROMOMETHANE	4.795	174	746491	49.91 PPBV	100
58)	ETHYL ACRYLATE	4.953	55	1632310	51.89 PPBV	100
59)	BROMODICHLOROMETHANE	5.014	83	1408411	50.31 PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.162	57	3257100	51.21 PPBV	100
61)	1,4-DIOXANE	5.075	88	440803	48.96 PPBV	97
62)	HEPTANE	5.474	43	1173841	52.95 PPBV	100
63)	METHYL METHACRYLATE	5.371	69	720078	52.34 PPBV	99
64)	METHYL ISOBUTYL KETONE	6.101	58	647296	51.17 PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	5.998	75	1227694	51.89 PPBV	99
66)	TOLUENE	7.197	91	2335761	50.98 PPBV	99
67)	1,3-DICHLOROPROPANE	7.258	76	1144657	50.75 PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.673	75	1120807	50.23 PPBV	98
69)	1,1,2-TRICHLOROETHANE	6.827	83	664842	51.12 PPBV	100
70)	2-HEXANONE	7.766	58	885743	49.80 PPBV	99
71)	ETHYL METHACRYLATE	7.901	69	1209704	50.42 PPBV	99
72)	TETRACHLOROETHENE	8.917	164	924639	52.38 PPBV	100
73)	DIBROMOCHLOROMETHANE	7.724	129	1501535	52.28 PPBV	100
74)	1,2-DIBROMOETHANE	8.075	107	1306005	52.72 PPBV	100
75)	OCTANE	9.068	43	1653400	52.92 PPBV	100
77)	1,1,1,2-TETRACHLOROETHANE	10.136	131	1082043	50.59 PPBV	100
78)	CHLOROBENZENE	10.123	112	1946099	50.52 PPBV	99
79)	ETHYLBENZENE	11.001	91	3179194	51.68 PPBV	99
80)	M,P-XYLENE	11.435	91	4921035	99.78 PPBV	98
81)	O-XYLENE	12.361	91	2517379	50.98 PPBV	99
82)	STYRENE	12.149	104	2010092	52.71 PPBV	99
83)	NONANE	13.486	43	1757408	51.36 PPBV	99
84)	BROMOFORM	11.242	173	1393708	52.57 PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.380	83	1753514	51.18 PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.660	75	1387618	49.69 PPBV	100
88)	ISOPROPYLBENZENE	13.875	120	989751	50.03 PPBV	99
89)	BROMOBENZENE	13.740	77	1780294	48.96 PPBV	100
90)	2-CHLOROTOLUENE	14.872	126	902403	48.90 PPBV	100
91)	N-PROPYLBENZENE	15.209	120	1049686	50.53 PPBV	100
92)	4-ETHYLTOLUENE	15.656	105	3853366	53.27 PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	15.927	105	3207147	52.95 PPBV	100
94)	ALPHA-METHYLSTYRENE	16.226	118	1650946	51.44 PPBV	100
95)	TERT-BUTYLBENZENE	16.537	134	754397	52.14 PPBV	99
96)	1,2,4-TRIMETHYLBENZENE	16.550	105	3224984	52.75 PPBV	99
97)	BENZYL CHLORIDE	16.637	91	3059411	52.97 PPBV	100
98)	M-DICHLOROBENZENE	16.608	146	2144105	50.56 PPBV	100
99)	P-DICHLOROBENZENE	16.701	146	2186003	53.27 PPBV	99
100)	O-DICHLOROBENZENE	17.016	146	2046435	52.38 PPBV	100
101)	SEC-BUTYLBENZENE	16.846	134	958582	52.29 PPBV	100
102)	NONANE BROMOFORM  1,1,2,2-TETRACHLOROETHANE 1,2,3-TRICHLOROPROPANE ISOPROPYLBENZENE BROMOBENZENE 2-CHLOROTOLUENE N-PROPYLBENZENE 4-ETHYLTOLUENE 1,3,5-TRIMETHYLBENZENE ALPHA-METHYLSTYRENE TERT-BUTYLBENZENE 1,2,4-TRIMETHYLBENZENE BENZYL CHLORIDE M-DICHLOROBENZENE O-DICHLOROBENZENE O-DICHLOROBENZENE SEC-BUTYLBENZENE 1,2,3-TRIMETHYLBENZENE	16.965	105	3193608	52.30 PPBV	100
103)	P-ISOPROPYLTOLUENE	17.039	134	1037323	51.52 PPBV	100
	N-BUTYLBENZENE	17.402	134	1055468	52.54 PPBV	98
	HEXACHLOROETHANE	17.579			54.18 PPBV	
	HEXACHLOROBUTADIENE	18.640	225	1579214	53.23 PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.328			58.74 PPBV	99
	NAPHTHALENE	18.377				99
	TVHC as equiv Pentane	2.271	TIC		50.47 PPBV	

M7W405.M Mon Dec 30 13:59:11 2024

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Data Path : C:\msdchem\1\data\7w\ Data File : 7w11243.D Acq On : 28 Dec 2024 3:52 pr Operator : benk Sample : ic405-50 Misc : MS74014, v7w405,,,,,1 3:52 pm

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:01:43 2024

Response via : Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\7w\ Data File: 7w11243.D Acq On 28 Dec 2024 3:52 pm

benk Operator : ic405-50 Sample

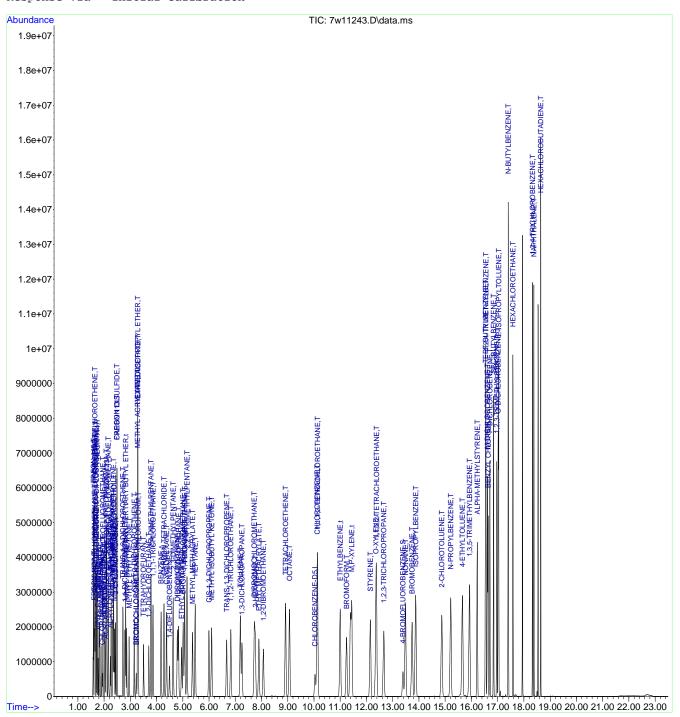
Misc : MS74014, v7w405, , , , , 1 Sample Multiplier: 1 ALS Vial : 4

Quant Time: Dec 29 05:02:32 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 05:01:43 2024

Response via : Initial Calibration



### Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\ Data File : 7w11247.D Acq On : 28 Dec 2024 6:36 pr
Operator : benk
Sample : icv405-10
Misc : MS74014, v7w405,,,,,1 6:36 pm

ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 06:37:40 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 06:35:34 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units I	Dev(Min)
Internal Standards					
1) BROMOCHLOROMETHANE	3.226	128	128326	10.00 PPBV	0.00
52) 1,4-DIFLUOROBENZENE	3.226 4.493	114	645131	10.00 PPBV	0.00
52) 1,4-DIFLUOROBENZENE 76) CHLOROBENZENE-D5	10.033	117	603905	10.00 PPBV	0.00
	3.226	128	128326 645131 603905 128326	10.00 PPBV	0.00
System Monitoring Compounds					
87) 4-BROMOFLUOROBENZENE	13.383	95	441032	10.06 PPBV	0.00
Target Compounds 3) FREON 152A 4) CHLORODIFLUOROMETHANE 5) CHLOROTRIFLUOROMETHANE 6) DICHLORODIFLUOROMETHANE 7) PROPYLENE 8) 1-CHLORO-1,1-DIFLUOROE 9) FREON 114 10) CHLOROMETHANE 11) VINYL CHLORIDE 12) 1,3-BUTADIENE 13) N-BUTANE 14) BROMOMETHANE 15) CHLOROETHANE 16) DICHLOROFLUOROMETHANE 17) ACETONITRILE 18) ACROLEIN 19) FREON 123 20) FREON 123 21) TRICHLOROFLUOROMETHANE 22) ISOPROPYL ALCOHOL 23) ACETONE 24) PENTANE 25) IODOMETHANE 26) 1,1-DICHLOROETHYLENE 27) CARBON DISULFIDE 28) ETHANOL 29) BROMOETHENE 30) ACRYLONITRILE 31) METHYLENE CHLORIDE 32) 3-CHLOROPROPENE 33) FREON 113 34) TRANS-1 2-DICHLOROETHENE					Qvalue
3) FREON 152A	1.625	65	70330	11.51 PPBV	100
4) CHLORODIFLUOROMETHANE	1.638	67	34678	11.18 PPBV	99
5) CHLOROTRIFLUOROETHENE	1.651	116	167351	11.20 PPBV	99
6) DICHLORODIFLUOROMETHANE	1.667	85 41	361530	11.30 PPBV	100
/) PROPILENE 8) 1_CUIODO_1 1_DIFITIODOF	1 702	41 65	268830	10.42 PPBV	99 100
9) FREON 11/	1 737	85	200030	11.34 FFBV	100
10) CHLOROMETHANE	1 708	52	32863	11.34 PPBV 11.82 PPBV 9.89 PPBV	98
11) VINYL CHLORIDE	1.770	62	117466	10.94 PPBV	99
12) 1,3-BUTADIENE	1.808	54	93721	10.25 PPBV	98
13) N-BUTANE	1.824	43	176537	10.61 PPBV	99
14) BROMOMETHANE	1.882	94	103865	10.82 PPBV	99
15) CHLOROETHANE	1.930	64	61928	10.66 PPBV	99
16) DICHLOROFLUOROMETHANE	1.956	67	260538	11.51 PPBV	100
17) ACETONITRILE	2.024	41	102868	9.97 PPBV	99
18) ACROLEIN	2.062	56	56/36	11.23 PPBV	97 98
19) FREON 123	2.073	03 117	430409 150572	10.39 PPBV	99
21) TRICHLOROFILIOROMETHANE	2.031	101	326972	10.43 PPBV	99
19) FREON 123 20) FREON 123A 21) TRICHLOROFLUOROMETHANE 22) ISOPROPYL ALCOHOL 23) ACETONE 24) PENTANE 25) IODOMETHANE 26) 1,1-DICHLOROETHYLENE 27) CARBON DISULFIDE 28) ETHANOL 29) BROMOETHENE 30) ACRYLONITRILE 31) METHYLENE CHLORIDE 32) 3-CHLOROPROPENE 33) FREON 113 34) TRANS-1,2-DICHLOROETHENE 35) TERTIARY BUTYL ALCOHOL 36) METHYL TERTIARY BUTYL 37) TETRAHYDROFURAN 38) HEXANE 39) VINYL ACETATE 40) 1,1-DICHLOROETHANE 41) METHYL ETHYL KETONE 42) CIS-1,2-DICHLOROETHENE	2.175	45	252254	10.61 PPBV	100
23) ACETONE	2.101	58	61862	8.30 PPBV	98
24) PENTANE	2.271	42	125892	11.02 PPBV	100
25) IODOMETHANE	2.332	142	311082	12.05 PPBV	100
26) 1,1-DICHLOROETHYLENE	2.358	96	116228	10.45 PPBV	100
27) CARBON DISULFIDE	2.493	76	336807	12.16 PPBV	100
28) ETHANOL	1.959	45	54389	8.36 PPBV	100
29) BROMOETHENE	2.030	106	001/2	10.85 PPBV	99 98
31) METHYLENE CHLORIDE	2 3 9 7	9.4	104004	10 24 PPRV	97
32) 3-CHLOROPROPENE	2 438	76	58086	10.24 IIBV	98
33) FREON 113	2.490	151	198243	11.77 PPBV	99
34) TRANS-1,2-DICHLOROETHENE	2.718	96	124974	10.79 PPBV	100
35) TERTIARY BUTYL ALCOHOL	2.374	59	310048	11.34 PPBV	100
36) METHYL TERTIARY BUTYL	2.824	73	371996	11.23 PPBV	99
37) TETRAHYDROFURAN	3.506	72	62673	12.21 PPBV	95
38) HEXANE	3.278	57	218344	10.33 PPBV	99
39) VINYL ACETATE	2.860	86	35662	11.38 PPBV	95
40) 1,1-DICHLOROETHANE	2.792	63 72	235369 64170	11.36 PPBV	100 99
41) MEINIL EINIL KEIONE 42) CIS-1 2-DICHLOROFTHENE	3 1/19	96	136309	11.20 PPBV	100
43) DIISOPROPYL ETHER	3.281	59	65035	11.11 PPBV	96
44) ETHYL ACETATE	3.284	61	45987	11.36 PPBV	98
45) METHYL ACRYLATE	3.271	55	275665	11.61 PPBV	
46) CHLOROFORM	3.297	83	276173	11.77 PPBV	100
47) 2,4-DIMETHYLPENTANE	3.786	57	258551	11.06 PPBV	99
48) 1,1,1-TRICHLOROETHANE	3.863	97	291531	11.59 PPBV	100
49) CARBON TETRACHLORIDE	4.281	117	311447	12.49 PPBV	100
50) 1,2-DICHLOROETHANE	3.702	62	207686	11.83 PPBV	100

M7W405.M Thu Jan 09 14:59:40 2025

Data Path : C:\msdchem\1\data\ Data File: 7w11247.D Acq On : 28 Dec 2024 6:36 pr Operator : benk Sample : icv405-10 Misc : MS74014, v7w405,,,,,1 6:36 pm

ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 06:37:40 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um

QLast Update : Sun Dec 29 06:35:34 2024 Response via : Initial Calibration

R.T. QIon Response Conc Units Dev (Min) Compound \_\_\_\_\_\_ 51) BENZENE 4.171 78 391655 11.43 PPBV 53) CYCLOHEXANE 4.377 84 173685 11.40 PPBV 51) BENZENE 4.171 78 391655 11.43 PPBV
53) CYCLOHEXANE 4.377 84 173685 11.40 PPBV
54) 2,3-DIMETHYLPENTANE 4.631 71 90324 11.29 PPBV
55) TRICHLOROETHENE 5.062 95 186131 11.35 PPBV
56) 1,2-DICHLOROPROPANE 4.831 63 156847 11.21 PPBV
57) DIBROMOMETHANE 4.789 174 165870 10.76 PPBV
58) ETHYL ACRYLATE 4.946 55 348773 11.73 PPBV
59) BROMODICHLOROMETHANE 5.007 83 304404 11.65 PPBV
60) 2,2,4-TRIMETHYLPENTANE 5.155 57 699924 11.28 PPBV
61) 1,4-DIOXANE 5.078 88 97454 10.66 PPBV
62) HEPTANE 5.467 43 248482 11.40 PPBV
63) METHYL METHACRYLATE 5.367 69 154917 11.06 PPBV
64) METHYL ISOBUTYL KETONE 6.094 58 139000 10.68 PPBV
65) CIS-1,3-DICHLOROPROPENE 5.991 75 243164 11.10 PPBV
66) TOLUENE 7.187 91 493387 10.82 PPBV 99 98 100 99 100 67) 1,3-DICHLOROPROPANE 7.245 76 247994 11.65 PPBV 68) TRANS-1,3-DICHLOROPROPENE 6.663 75 231781 11.25 PPBV 69) 1,1,2-TRICHLOROETHANE 6.821 83 144738 11.55 PPBV 70) 2-HEXANONE 7.760 58 194335 9.56 PPBV 100 100 71) ETHYL METHACRYLATE 7.888 69 261342 10.73 PPBV 8.908 164 197736 11.45 PPBV 7.718 129 308711 11.73 PPBV 8.059 107 282440 12.31 PPBV 100 72) TETRACHLOROETHENE 73) DIBROMOCHLOROMETHANE 74) 1,2-DIBROMOETHANE 75) OCTANE 9.055 43 344924 11.17 PPBV
77) 1,1,1,2-TETRACHLOROETHANE 10.120 131 230150 11.92 PPBV
78) CHLOROBENZENE 10.110 112 411539 11.71 PPBV 100 100 99 10.110 112 411539 11.71 PPBV 10.991 91 673474 11.32 PPBV 11.422 91 1045863 23.44 PPBV 12.345 91 527613 11.27 PPBV 12.136 104 411836 12.28 PPBV 79) ETHYLBENZENE 80) M,P-XYLENE 98 81) O-XYLENE 100 82) STYRENE 12.136 104 411836 12.28 PPBV 83) NONANE 13.467 43 366216 11.39 PPBV 84) BROMOFORM 11.226 173 264242 11.41 PPBV 85) 1,1,2,2-TETRACHLOROETHANE 12.361 83 378232 12.14 PPBV 86) 1,2,3-TRICHLOROPROPANE 12.644 75 297750 11.98 PPBV 88) ISOPROPYLBENZENE 13.862 120 209087 11.69 PPBV 89) BROMOBENZENE 13.724 77 380384 11.41 PPBV 90) 2-CHLOROTOLUENE 14.856 126 191686 11.78 PPBV 91) N-PROPYLBENZENE 15.197 120 216658 11.95 PPBV 92) 4-ETHYLTOLUENE 15.640 105 779399 11.98 PPBV 93) 1,3,5-TRIMETHYLBENZENE 15.910 105 647532 11.83 PPBV 94) ALPHA-METHYLSTYRENE 16.213 118 336497 12.04 PPBV 95) TERT-BUTYLBENZENE 16.528 134 157132 11.99 PPBV 96) 1,2,4-TRIMETHYLBENZENE 16.528 134 157132 11.99 PPBV 97) BENZYL CHLORIDE 16.628 91 620171 12.69 PPBV 98) M-DICHLOROBENZENE 16.692 146 440736 12.03 PPBV 82) STYRENE 100 100 100 99 99 100 96) 1,2,4-TRIMETHYLBENZENE 16.537 105 661357 11.98 PPBV 97) BENZYL CHLORIDE 16.628 91 620171 12.69 PPBV 98) M-DICHLOROBENZENE 16.599 146 435352 11.56 PPBV 99) P-DICHLOROBENZENE 16.692 146 440736 12.03 PPBV 100) O-DICHLOROBENZENE 17.010 146 412635 11.60 PPBV 101) SEC-BUTYLBENZENE 16.837 134 199730 12.23 PPBV 102) 1,2,3-TRIMETHYLBENZENE 16.955 105 642369 11.62 PPBV 103) P-ISOPROPYLTOLUENE 17.033 134 217932 12.04 PPBV 104) N-BUTYLBENZENE 17.396 134 210699 11.92 PPBV 105) HEXACHLOROETHANE 17.573 117 264746 12.57 PPBV 106) HEXACHLOROBUTADIENE 18.631 225 299792 11.33 PPBV 107) 1,2,4-TRICHLOROBENZENE 18.319 180 379717 12.49 PPBV 108) NAPHTHALENE 18.367 128 867478 12.86 PPBV 110) TVHC as equiv Pentane 2.271 TIC 618380 11.35 PPBV 99 100 100 100 100 100

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Data Path : C:\msdchem\1\data\ Data File : 7w11247.D

Data File: 7W1247.D
Acq On: 28 Dec 2024 6:36 pm
Operator: benk
Sample: icv405-10
Misc: MS74014, v7w405,,,,,1
ALS Vial: 5 Sample Multiplier: 1

Quant Time: Dec 29 06:37:40 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 06:35:34 2024

Response via : Initial Calibration

R.T. QIon Response Conc Units Dev(Min) Compound

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm

Operator : benk Sample : icv405-10

Misc : MS74014, v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

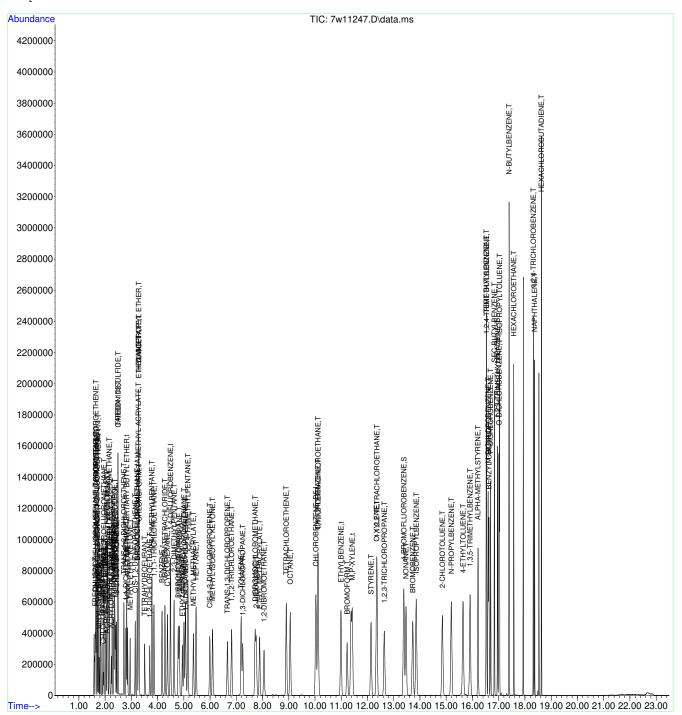
Quant Time: Dec 29 06:37:40 2024

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um

QLast Update : Sun Dec 29 06:35:34 2024

Response via : Initial Calibration



Data Path : X:\Dayton VOA GCMS\luckyc\06 Jan 2025\v7w411\

Data File : 7w11431.D

: 3 Jan 2025 7:45 pm Acq On

Operator

: benk : cc405-10 Sample : MS7W Inst

: MS88278, v7w411,,,,,1 Misc ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 05 11:57:13 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration

Internal Standards	Compound	R.T.	QIon	Response	Conc Units Dev	(Min)
System   Monitoring Compounds   System   Monitoring Compounds   Compounds   System   Monitoring Compounds   Compounds   System   Monitoring Compounds   Compound	Internal Standards					
System   Monitoring Compounds   System   Monitoring Compounds   Compounds   System   Monitoring Compounds   Compounds   System   Monitoring Compounds   Compound	1) BROMOCHLOROMETHANE	3.229	128	135763	10.00 PPBV	0.00
System   Monitoring Compounds   System   Monitoring Compounds   Compounds   System   Monitoring Compounds   Compounds   System   Monitoring Compounds   Compound	52) 1,4-DIFLUOROBENZENE	4.493	114	659272	10.00 PPBV	0.00
System Monitoring Compounds	76) CHLOROBENZENE-D5	10.033	117	634763	10.00 PPBV	
Target Compounds	109) BROMOCHLOROMETHANE (A)	3.229	128	135763	10.00 PPBV	0.00
Target Compounds   1,628   65   73814   11,4171   PPBV   9	System Monitoring Compounds					
3   PREON 152A	87) 4-BROMOFLUOROBENZENE	13.386	95	469230	10.19 PPBV	0.00
CHLORODIFLUOROMETHANE	Target Compounds				УQ	
18) ACROLEIN	3) FREON 152A	1.628	65	73814	11.4171 PPBV	94
18) ACROLEIN	4) CHLORODIFLUOROMETHANE	1.641	67	38295	11.6679 PPBV	99
18) ACROLEIN	5) CHLOROTRIFLUOROETHENE	1.654	116	173707	10.9873 PPBV	95
18) ACROLEIN	6) DICHLORODIFLUOROMETHANE	1.670	85	386162	11.4080 PPBV	100
18) ACROLEIN	7) PROPYLENE	1.650	41	99492	11.1672 PPBV	99
18) ACROLEIN	8) 1-CHLORO-1,1-DIFLUOROE	1.705	65	284384	11.3432 PPBV	99
18) ACROLEIN	9) FREON 114	1.741	85	322816	12.0226 PPBV	97
18) ACROLEIN	10) CHLOROMETHANE	1.712	52	38585	10.9802 PPBV	96
18) ACROLEIN	11) VINYL CHLORIDE	1.773	62	136545	12.0252 PPBV	99
18) ACROLEIN	12) 1,3-BUTADIENE	1.811	54	108995	11.2656 PPBV	99
18) ACROLEIN	13) N-BUTANE	1.827	43	203909	11.5807 PPBV	99
18) ACROLEIN	14) BROMOMETHANE	1.885	94	109912	10.8273 PPBV	100
18) ACROLEIN	15) CHLOROETHANE	1.933	64	70933	11.5434 PPBV	97
18) ACROLEIN	16) DICHLOROFLUOROMETHANE	1.959	67	285598	11.9307 PPBV	
18) ACROLEIN	17) ACETONITRILE	2.027	41	118369	10.8479 PPBV	
24) PENTANE 2.274 42 147295 12.1923 PPBV 9 25) IODOMETHANE 2.335 142 308692 11.2991 PPBV 9 26) 1,1-DICHLOROETHYLENE 2.364 96 122367 10.3951 PPBV 9 27) CARBON DISULFIDE 2.496 76 344238 11.7427 PPBV 10 28) ETHANOL 1.962 45 76584 11.1233 PPBV 9 29) BROMOETHENE 2.036 106 115830 10.7102 PPBV 9 30) ACRYLONITRILE 2.245 52 99253 10.1664 PPBV 9 31) METHYLENE CHLORIDE 2.440 84 108757 10.1211 PPBV 9 32) 3-CHLOROPROPENE 2.441 76 60877 10.8899 PPBV 9 33) FREON 113 2.493 151 192606 10.8062 PPBV 9 34) TRANS-1,2-DICHLOROETHENE 2.721 96 130648 10.6612 PPBV 9 35) TERTIARY BUTYL ALCOHOL 2.377 59 301453 10.4218 PPBV 9 36) METHYL TERTIARY BUTYL 2.827 73 388552 11.0878 PPBV 10 37) TETRAHYDROFURAN 3.509 72 63746 11.7388 PPBV 10 37) TETRAHYDROFURAN 3.509 72 63746 11.7388 PPBV 9 38) VINYL ACETATE 2.863 86 32335 9.7490 PPBV 7 40) 1,1-DICHLOROETHENE 2.795 63 256316 11.6898 PPBV 10 41) METHYL ETHYL KETONE 2.959 72 68233 11.3125 PPBV 8 42) CIS-1,2-DICHLOROETHENE 3.152 96 140933 11.1655 PPBV 9 43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 55 298338 11.8764 PPBV 9 45) METHYL ACRYLATE 3.287 55 298338 11.8764 PPBV 9 45) METHYL ACRYLATE 3.287 55 298338 11.8764 PPBV # 10 46) CHLOROFORM 3.300 83 286007 11.5257 PPBV 8 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.785 57 290413 11.7475 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	18) ACROLEIN	2.065	56	61078	10.6574 PPBV	99
24) PENTANE 2.274 42 147295 12.1923 PPBV 9 25) IODOMETHANE 2.335 142 308692 11.2991 PPBV 9 26) 1,1-DICHLOROETHYLENE 2.364 96 122367 10.3951 PPBV 9 27) CARBON DISULFIDE 2.496 76 344238 11.7427 PPBV 10 28) ETHANOL 1.962 45 76584 11.1233 PPBV 9 29) BROMOETHENE 2.036 106 115830 10.7102 PPBV 9 30) ACRYLONITRILE 2.245 52 99253 10.1664 PPBV 9 31) METHYLENE CHLORIDE 2.440 84 108757 10.1211 PPBV 9 32) 3-CHLOROPROPENE 2.441 76 60877 10.8899 PPBV 9 33) FREON 113 2.493 151 192606 10.8062 PPBV 9 34) TRANS-1,2-DICHLOROETHENE 2.721 96 130648 10.6612 PPBV 9 35) TERTIARY BUTYL ALCOHOL 2.377 59 301453 10.4218 PPBV 9 36) METHYL TERTIARY BUTYL 2.827 73 388552 11.0878 PPBV 10 37) TETRAHYDROFURAN 3.509 72 63746 11.7388 PPBV 10 37) TETRAHYDROFURAN 3.509 72 63746 11.7388 PPBV 9 38) VINYL ACETATE 2.863 86 32335 9.7490 PPBV 7 40) 1,1-DICHLOROETHENE 2.795 63 256316 11.6898 PPBV 10 41) METHYL ETHYL KETONE 2.959 72 68233 11.3125 PPBV 8 42) CIS-1,2-DICHLOROETHENE 3.152 96 140933 11.1655 PPBV 9 43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 55 298338 11.8764 PPBV 9 45) METHYL ACRYLATE 3.287 55 298338 11.8764 PPBV 9 45) METHYL ACRYLATE 3.287 55 298338 11.8764 PPBV # 10 46) CHLOROFORM 3.300 83 286007 11.5257 PPBV 8 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.785 57 290413 11.7475 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	19) FREON 123	2.078	83	288587	11.1715 PPBV	90
24) PENTANE 2.274 42 147295 12.1923 PPBV 9 25) IODOMETHANE 2.335 142 308692 11.2991 PPBV 9 26) 1,1-DICHLOROETHYLENE 2.364 96 122367 10.3951 PPBV 9 27) CARBON DISULFIDE 2.496 76 344238 11.7427 PPBV 10 28) ETHANOL 1.962 45 76584 11.1233 PPBV 9 29) BROMOETHENE 2.036 106 115830 10.7102 PPBV 9 30) ACRYLONITRILE 2.245 52 99253 10.1664 PPBV 9 31) METHYLENE CHLORIDE 2.440 84 108757 10.1211 PPBV 9 32) 3-CHLOROPROPENE 2.441 76 60877 10.8899 PPBV 9 33) FREON 113 2.493 151 192606 10.8062 PPBV 9 34) TRANS-1,2-DICHLOROETHENE 2.721 96 130648 10.6612 PPBV 9 35) TERTIARY BUTYL ALCOHOL 2.377 59 301453 10.4218 PPBV 9 36) METHYL TERTIARY BUTYL 2.827 73 388552 11.0878 PPBV 10 37) TETRAHYDROFURAN 3.509 72 63746 11.7388 PPBV 10 37) TETRAHYDROFURAN 3.509 72 63746 11.7388 PPBV 9 38) VINYL ACETATE 2.863 86 32335 9.7490 PPBV 7 40) 1,1-DICHLOROETHENE 2.795 63 256316 11.6898 PPBV 10 41) METHYL ETHYL KETONE 2.959 72 68233 11.3125 PPBV 8 42) CIS-1,2-DICHLOROETHENE 3.152 96 140933 11.1655 PPBV 9 43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 55 298338 11.8764 PPBV 9 45) METHYL ACRYLATE 3.287 55 298338 11.8764 PPBV 9 45) METHYL ACRYLATE 3.287 55 298338 11.8764 PPBV # 10 46) CHLOROFORM 3.300 83 286007 11.5257 PPBV 8 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.785 57 290413 11.7475 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	20) FREON 123A	2.097	117	180486	11.2219 PPBV	90
24) PENTANE 2.274 42 147295 12.1923 PPBV 9 25) IODOMETHANE 2.335 142 308692 11.2991 PPBV 9 26) 1,1-DICHLOROETHYLENE 2.364 96 122367 10.3951 PPBV 9 27) CARBON DISULFIDE 2.496 76 344238 11.7427 PPBV 10 28) ETHANOL 1.962 45 76584 11.1233 PPBV 9 29) BROMOETHENE 2.036 106 115830 10.7102 PPBV 9 30) ACRYLONITRILE 2.245 52 99253 10.1664 PPBV 9 31) METHYLENE CHLORIDE 2.440 84 108757 10.1211 PPBV 9 32) 3-CHLOROPROPENE 2.441 76 60877 10.8899 PPBV 9 33) FREON 113 2.493 151 192606 10.8062 PPBV 9 34) TRANS-1,2-DICHLOROETHENE 2.721 96 130648 10.6612 PPBV 9 35) TERTIARY BUTYL ALCOHOL 2.377 59 301453 10.4218 PPBV 9 36) METHYL TERTIARY BUTYL 2.827 73 388552 11.0878 PPBV 10 37) TETRAHYDROFURAN 3.509 72 63746 11.7388 PPBV 10 37) TETRAHYDROFURAN 3.509 72 63746 11.7388 PPBV 9 38) VINYL ACETATE 2.863 86 32335 9.7490 PPBV 7 40) 1,1-DICHLOROETHENE 2.795 63 256316 11.6898 PPBV 10 41) METHYL ETHYL KETONE 2.959 72 68233 11.3125 PPBV 8 42) CIS-1,2-DICHLOROETHENE 3.152 96 140933 11.1655 PPBV 9 43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 55 298338 11.8764 PPBV 9 45) METHYL ACRYLATE 3.287 55 298338 11.8764 PPBV 9 45) METHYL ACRYLATE 3.287 55 298338 11.8764 PPBV # 10 46) CHLOROFORM 3.300 83 286007 11.5257 PPBV 8 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.785 57 290413 11.7475 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	21) TRICHLOROFLUOROMETHANE	2.162	101	340027	11.4064 PPBV	100
24) PENTANE 2.274 42 147295 12.1923 PPBV 9 25) IODOMETHANE 2.335 142 308692 11.2991 PPBV 9 26) 1,1-DICHLOROETHYLENE 2.364 96 122367 10.3951 PPBV 9 27) CARBON DISULFIDE 2.496 76 344238 11.7427 PPBV 10 28) ETHANOL 1.962 45 76584 11.1233 PPBV 9 29) BROMOETHENE 2.036 106 115830 10.7102 PPBV 9 30) ACRYLONITRILE 2.245 52 99253 10.1664 PPBV 9 31) METHYLENE CHLORIDE 2.440 84 108757 10.1211 PPBV 9 32) 3-CHLOROPROPENE 2.441 76 60877 10.8899 PPBV 9 33) FREON 113 2.493 151 192606 10.8062 PPBV 9 34) TRANS-1,2-DICHLOROETHENE 2.721 96 130648 10.6612 PPBV 9 35) TERTIARY BUTYL ALCOHOL 2.377 59 301453 10.4218 PPBV 9 36) METHYL TERTIARY BUTYL 2.827 73 388552 11.0878 PPBV 10 37) TETRAHYDROFURAN 3.509 72 63746 11.7388 PPBV 10 37) TETRAHYDROFURAN 3.509 72 63746 11.7388 PPBV 9 38) VINYL ACETATE 2.863 86 32335 9.7490 PPBV 7 40) 1,1-DICHLOROETHENE 2.795 63 256316 11.6898 PPBV 10 41) METHYL ETHYL KETONE 2.959 72 68233 11.3125 PPBV 8 42) CIS-1,2-DICHLOROETHENE 3.152 96 140933 11.1655 PPBV 9 43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 55 298338 11.8764 PPBV 9 45) METHYL ACRYLATE 3.287 55 298338 11.8764 PPBV 9 45) METHYL ACRYLATE 3.287 55 298338 11.8764 PPBV # 10 46) CHLOROFORM 3.300 83 286007 11.5257 PPBV 8 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.785 57 290413 11.7475 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	22) ISOPROPYL ALCOHOL	2.178	45	277595	11.0372 PPBV	98
43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 61 49599 11.5778 PPBV 8 45) METHYL ACRYLATE 3.274 55 298338 11.8764 PPBV # 10 60 CHLOROFORM 3.300 83 286007 11.5257 PPBV 9 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	23) ACETONE	2.104	58	68898	8.7346 PPBV	100
43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 61 49599 11.5778 PPBV 8 45) METHYL ACRYLATE 3.274 55 298338 11.8764 PPBV # 10 60 CHLOROFORM 3.300 83 286007 11.5257 PPBV 9 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	24) PENTANE	2.274	42	147295	12.1923 PPBV	98
43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 61 49599 11.5778 PPBV 8 45) METHYL ACRYLATE 3.274 55 298338 11.8764 PPBV # 10 6) CHLOROFORM 3.300 83 286007 11.5257 PPBV 9 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	25) IODOMETHANE	2.335	142	308692	11.2991 PPBV	98
43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 61 49599 11.5778 PPBV 8 45) METHYL ACRYLATE 3.274 55 298338 11.8764 PPBV # 10 60 CHLOROFORM 3.300 83 286007 11.5257 PPBV 9 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	26) 1,1-DICHLOROETHYLENE	2.364	96	122367	10.3951 PPBV	95
43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 61 49599 11.5778 PPBV 8 45) METHYL ACRYLATE 3.274 55 298338 11.8764 PPBV # 10 60 CHLOROFORM 3.300 83 286007 11.5257 PPBV 9 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	27) CARBON DISULFIDE	2.496	76	344238	11.7427 PPBV	100
43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 61 49599 11.5778 PPBV 8 45) METHYL ACRYLATE 3.274 55 298338 11.8764 PPBV # 10 6) CHLOROFORM 3.300 83 286007 11.5257 PPBV 9 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	28) ETHANOL	1.962	45	76584	11.1233 PPBV	98
43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 61 49599 11.5778 PPBV 8 45) METHYL ACRYLATE 3.274 55 298338 11.8764 PPBV # 10 60 CHLOROFORM 3.300 83 286007 11.5257 PPBV 9 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	29) BROMOETHENE	2.036	106	115830	10.7102 PPBV	99
43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 61 49599 11.5778 PPBV 8 45) METHYL ACRYLATE 3.274 55 298338 11.8764 PPBV # 10 60 CHLOROFORM 3.300 83 286007 11.5257 PPBV 9 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	30) ACRYLONITRILE	2.245	52	99253	10.1664 PPBV	98
43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 61 49599 11.5778 PPBV 8 45) METHYL ACRYLATE 3.274 55 298338 11.8764 PPBV # 10 60 CHLOROFORM 3.300 83 286007 11.5257 PPBV 9 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	31) METHYLENE CHLORIDE	2.400	84	108757	10.1211 PPBV	95
43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 61 49599 11.5778 PPBV 8 45) METHYL ACRYLATE 3.274 55 298338 11.8764 PPBV # 10 60 CHLOROFORM 3.300 83 286007 11.5257 PPBV 9 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	32) 3-CHLOROPROPENE	2.441	76	60877	10.8899 PPBV	94
43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 61 49599 11.5778 PPBV 8 45) METHYL ACRYLATE 3.274 55 298338 11.8764 PPBV # 10 60 CHLOROFORM 3.300 83 286007 11.5257 PPBV 9 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	33) FREON 113	2.493	151	192606	10.8062 PPBV	95
43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 61 49599 11.5778 PPBV 8 45) METHYL ACRYLATE 3.274 55 298338 11.8764 PPBV # 10 60 CHLOROFORM 3.300 83 286007 11.5257 PPBV 9 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	34) TRANS-1,2-DICHLOROETHENE	2.721	96	130648	10.6612 PPBV	99
43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 61 49599 11.5778 PPBV 8 45) METHYL ACRYLATE 3.274 55 298338 11.8764 PPBV # 10 60 CHLOROFORM 3.300 83 286007 11.5257 PPBV 9 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	35) TERTIARY BUTYL ALCOHOL	2.377	59	301453	10.4218 PPBV	98
43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 61 49599 11.5778 PPBV 8 45) METHYL ACRYLATE 3.274 55 298338 11.8764 PPBV # 10 60 CHLOROFORM 3.300 83 286007 11.5257 PPBV 9 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	36) METHYL TERTIARY BUTYL	2.827	73	388552	11.0878 PPBV	100
43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 61 49599 11.5778 PPBV 8 45) METHYL ACRYLATE 3.274 55 298338 11.8764 PPBV # 10 60 CHLOROFORM 3.300 83 286007 11.5257 PPBV 9 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	37) TETRAHYDROFURAN	3.509	72	63746	11.7388 PPBV	93
43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 61 49599 11.5778 PPBV 8 45) METHYL ACRYLATE 3.274 55 298338 11.8764 PPBV # 10 60 CHLOROFORM 3.300 83 286007 11.5257 PPBV 9 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	38) HEXANE	3.277	57	249691	11.1672 PPBV	98
43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 61 49599 11.5778 PPBV 8 45) METHYL ACRYLATE 3.274 55 298338 11.8764 PPBV # 10 60 CHLOROFORM 3.300 83 286007 11.5257 PPBV 9 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	39) VINYL ACETATE	2.863	86	32335	9.7490 PPBV	76
43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 61 49599 11.5778 PPBV 8 45) METHYL ACRYLATE 3.274 55 298338 11.8764 PPBV # 10 60 CHLOROFORM 3.300 83 286007 11.5257 PPBV 9 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	40) 1,1-DICHLOROETHANE	2.795	63	256316	11.6898 PPBV	100
43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 61 49599 11.5778 PPBV 8 45) METHYL ACRYLATE 3.274 55 298338 11.8764 PPBV # 10 60 CHLOROFORM 3.300 83 286007 11.5257 PPBV 9 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	41) METHYL ETHYL KETONE	2.959	72	68233	11.3125 PPBV	89
43) DIISOPROPYL ETHER 3.281 59 71684 11.5765 PPBV 9 44) ETHYL ACETATE 3.287 61 49599 11.5778 PPBV 8 45) METHYL ACRYLATE 3.274 55 298338 11.8764 PPBV # 10 60 CHLOROFORM 3.300 83 286007 11.5257 PPBV 9 47) 2,4-DIMETHYLPENTANE 3.785 57 290413 11.7475 PPBV 9 48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	42) CIS-1,2-DICHLOROETHENE	3.152	96	140933	11.1655 PPBV	95
44) ETHYL ACETATE       3.287       61       49599       11.5778 PPBV       8         45) METHYL ACRYLATE       3.274       55       298338       11.8764 PPBV # 10       10         46) CHLOROFORM       3.300       83       286007       11.5257 PPBV 9       9         47) 2,4-DIMETHYLPENTANE       3.785       57       290413       11.7475 PPBV 9       9         48) 1,1,1-TRICHLOROETHANE       3.866       97       301603       11.3340 PPBV 9       9         49) CARBON TETRACHLORIDE       4.284       117       305162       11.5630 PPBV 10	43) DIISOPROPYL ETHER	3.281	59	71684	11.5765 PPBV	94
45) METHYL ACRYLATE       3.274       55       298338       11.8764 PPBV # 10         46) CHLOROFORM       3.300       83       286007       11.5257 PPBV 9         47) 2,4-DIMETHYLPENTANE       3.785       57       290413       11.7475 PPBV 9         48) 1,1,1-TRICHLOROETHANE       3.866       97       301603       11.3340 PPBV 9         49) CARBON TETRACHLORIDE       4.284       117       305162       11.5630 PPBV 10						81
46) CHLOROFORM       3.300       83       286007       11.5257 PPBV       9         47) 2,4-DIMETHYLPENTANE       3.785       57       290413       11.7475 PPBV       9         48) 1,1,1-TRICHLOROETHANE       3.866       97       301603       11.3340 PPBV       9         49) CARBON TETRACHLORIDE       4.284       117       305162       11.5630 PPBV       10						
47) 2,4-DIMETHYLPENTANE       3.785       57       290413       11.7475       PPBV       9         48) 1,1,1-TRICHLOROETHANE       3.866       97       301603       11.3340       PPBV       9         49) CARBON TETRACHLORIDE       4.284       117       305162       11.5630       PPBV       10						99
48) 1,1,1-TRICHLOROETHANE 3.866 97 301603 11.3340 PPBV 9 49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10						98
49) CARBON TETRACHLORIDE 4.284 117 305162 11.5630 PPBV 10	· · · · ·					98
						100
	50) 1,2-DICHLOROETHANE					100

M7W405.M Sun Jan 05 11:58:18 2025

Data Path : X:\Dayton VOA GCMS\luckyc\06 Jan 2025\v7w411\

Data File : 7w11431.D

Inst : MS7W

Acq On : 3 Jan 2025 7:45 pm
Operator : benk
Sample : cc405-10
Misc : MS88278,v7w411,,,,,1 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 05 11:57:13 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration

53)       CYCLOHEXANE       4.380       84       180813       11.6084       PPBV         54)       2,3-DIMETHYLPENTANE       4.631       71       95141       11.6339       PPBV         55)       TRICHLOROETHENE       5.062       95       191802       11.4451       PPBV         56)       1,2-DICHLOROPROPANE       4.834       63       166862       11.6711       PPBV         57)       DIBROMOMETHANE       4.792       174       170404       10.8216       PPBV         58)       ETHYL ACRYLATE       4.949       55       370949       12.2110       PPBV         59)       BROMODICHLOROMETHANE       5.010       83       313669       11.7484       PPBV         60)       2,2,4-TRIMETHYLPENTANE       5.155       57       784706       12.3781       PPBV         61)       1,4-DIOXANE       5.081       88       99840       10.6846       PPBV         62)       HEPTANE       5.470       43       287323       12.8965       PPBV         63)       METHYL METHACRYLATE       5.367       69       158360       11.0597       PPBV         64)       METHYL ISOBUTYL KETONE       6.094       58       151394	
54) 2,3-DIMETHYLPENTANE	98
54) 2,3-DIMETHYLPENTANE	92
55) TRICHLOROETHENE 5.062 95 191802 11.4451 PPBV 56) 1,2-DICHLOROPROPANE 4.834 63 166862 11.6711 PPBV 1 57) DIBROMOMETHANE 4.792 174 170404 10.8216 PPBV 58) ETHYL ACRYLATE 4.949 55 370949 12.2110 PPBV 59) BROMODICHLOROMETHANE 5.010 83 313669 11.7484 PPBV 60) 2,2,4-TRIMETHYLPENTANE 5.155 57 784706 12.3781 PPBV 1 61) 1,4-DIOXANE 5.081 88 99840 10.6846 PPBV 62) HEPTANE 5.470 43 287323 12.8965 PPBV 63) METHYL METHACRYLATE 5.367 69 158360 11.0597 PPBV 64) METHYL ISOBUTYL KETONE 6.094 58 151394 11.3824 PPBV 65) CIS-1,3-DICHLOROPROPENE 5.991 75 259963 11.6108 PPBV 66) TOLUENE 7.190 91 516198 11.0810 PPBV 1 67) 1,3-DICHLOROPROPANE 7.248 76 258519 11.8825 PPBV	92
57) DIBROMOMETHANE 4.792 174 170404 10.8216 PPBV 58) ETHYL ACRYLATE 4.949 55 370949 12.2110 PPBV 59) BROMODICHLOROMETHANE 5.010 83 313669 11.7484 PPBV 60) 2,2,4-TRIMETHYLPENTANE 5.155 57 784706 12.3781 PPBV 1 61) 1,4-DIOXANE 5.081 88 99840 10.6846 PPBV 62) HEPTANE 5.470 43 287323 12.8965 PPBV 63) METHYL METHACRYLATE 5.367 69 158360 11.0597 PPBV 64) METHYL ISOBUTYL KETONE 6.094 58 151394 11.3824 PPBV 65) CIS-1,3-DICHLOROPROPENE 5.991 75 259963 11.6108 PPBV 66) TOLUENE 7.190 91 516198 11.0810 PPBV 1 67) 1,3-DICHLOROPROPANE 7.248 76 258519 11.8825 PPBV	99
57) DIBROMOMETHANE 4.792 174 170404 10.8216 PPBV 58) ETHYL ACRYLATE 4.949 55 370949 12.2110 PPBV 59) BROMODICHLOROMETHANE 5.010 83 313669 11.7484 PPBV 60) 2,2,4-TRIMETHYLPENTANE 5.155 57 784706 12.3781 PPBV 1 61) 1,4-DIOXANE 5.081 88 99840 10.6846 PPBV 62) HEPTANE 5.470 43 287323 12.8965 PPBV 63) METHYL METHACRYLATE 5.367 69 158360 11.0597 PPBV 64) METHYL ISOBUTYL KETONE 6.094 58 151394 11.3824 PPBV 65) CIS-1,3-DICHLOROPROPENE 5.991 75 259963 11.6108 PPBV 66) TOLUENE 7.190 91 516198 11.0810 PPBV 1 67) 1,3-DICHLOROPROPANE 7.248 76 258519 11.8825 PPBV	00
58) ETHYL ACRYLATE 4.949 55 370949 12.2110 PPBV 59) BROMODICHLOROMETHANE 5.010 83 313669 11.7484 PPBV 60) 2,2,4-TRIMETHYLPENTANE 5.155 57 784706 12.3781 PPBV 1 61) 1,4-DIOXANE 5.081 88 99840 10.6846 PPBV 62) HEPTANE 5.470 43 287323 12.8965 PPBV 63) METHYL METHACRYLATE 5.367 69 158360 11.0597 PPBV 64) METHYL ISOBUTYL KETONE 6.094 58 151394 11.3824 PPBV 65) CIS-1,3-DICHLOROPROPENE 5.991 75 259963 11.6108 PPBV 66) TOLUENE 7.190 91 516198 11.0810 PPBV 1 67) 1,3-DICHLOROPROPANE 7.248 76 258519 11.8825 PPBV	99
59) BROMODICHLOROMETHANE 5.010 83 313669 11.7484 PPBV 60) 2,2,4-TRIMETHYLPENTANE 5.155 57 784706 12.3781 PPBV 1 61) 1,4-DIOXANE 5.081 88 99840 10.6846 PPBV 62) HEPTANE 5.470 43 287323 12.8965 PPBV 63) METHYL METHACRYLATE 5.367 69 158360 11.0597 PPBV 64) METHYL ISOBUTYL KETONE 6.094 58 151394 11.3824 PPBV 65) CIS-1,3-DICHLOROPROPENE 5.991 75 259963 11.6108 PPBV 66) TOLUENE 7.190 91 516198 11.0810 PPBV 1 67) 1,3-DICHLOROPROPANE 7.248 76 258519 11.8825 PPBV	99
60) 2,2,4-TRIMETHYLPENTANE 5.155 57 784706 12.3781 PPBV 161) 1,4-DIOXANE 5.081 88 99840 10.6846 PPBV 62) HEPTANE 5.470 43 287323 12.8965 PPBV 63) METHYL METHACRYLATE 5.367 69 158360 11.0597 PPBV 64) METHYL ISOBUTYL KETONE 6.094 58 151394 11.3824 PPBV 65) CIS-1,3-DICHLOROPROPENE 5.991 75 259963 11.6108 PPBV 66) TOLUENE 7.190 91 516198 11.0810 PPBV 167) 1,3-DICHLOROPROPANE 7.248 76 258519 11.8825 PPBV	99
61) 1,4-DIOXANE 5.081 88 99840 10.6846 PPBV 62) HEPTANE 5.470 43 287323 12.8965 PPBV 63) METHYL METHACRYLATE 5.367 69 158360 11.0597 PPBV 64) METHYL ISOBUTYL KETONE 6.094 58 151394 11.3824 PPBV 65) CIS-1,3-DICHLOROPROPENE 5.991 75 259963 11.6108 PPBV 66) TOLUENE 7.190 91 516198 11.0810 PPBV 1 67) 1,3-DICHLOROPROPANE 7.248 76 258519 11.8825 PPBV	00
63) METHYL METHACRYLATE 5.367 69 158360 11.0597 PPBV 64) METHYL ISOBUTYL KETONE 6.094 58 151394 11.3824 PPBV 65) CIS-1,3-DICHLOROPROPENE 5.991 75 259963 11.6108 PPBV 66) TOLUENE 7.190 91 516198 11.0810 PPBV 1 67) 1,3-DICHLOROPROPANE 7.248 76 258519 11.8825 PPBV	97
64) METHYL ISOBUTYL KETONE 6.094 58 151394 11.3824 PPBV 65) CIS-1,3-DICHLOROPROPENE 5.991 75 259963 11.6108 PPBV 66) TOLUENE 7.190 91 516198 11.0810 PPBV 1 67) 1,3-DICHLOROPROPANE 7.248 76 258519 11.8825 PPBV	96
64) METHYL ISOBUTYL KETONE 6.094 58 151394 11.3824 PPBV 65) CIS-1,3-DICHLOROPROPENE 5.991 75 259963 11.6108 PPBV 66) TOLUENE 7.190 91 516198 11.0810 PPBV 1 67) 1,3-DICHLOROPROPANE 7.248 76 258519 11.8825 PPBV	92
66) TOLUENE 7.190 91 516198 11.0810 PPBV 1 67) 1,3-DICHLOROPROPANE 7.248 76 258519 11.8825 PPBV	96
67) 1,3-DICHLOROPROPANE 7.248 76 258519 11.8825 PPBV	97
67) 1,3-DICHLOROPROPANE 7.248 76 258519 11.8825 PPBV	00
	99
68) TRANS-1,3-DICHLOROPROPENE 6.666 75 229804 10.9180 PPBV	98
69) 1,1,2-TRICHLOROETHANE 6.821 83 147718 11.5360 PPBV 1	00
70) 2-HEXANONE 7.763 58 205930 9.9150 PPBV	96
71) ETHYL METHACRYLATE 7.888 69 268381 10.7811 PPBV	95
72) TETRACHLOROETHENE 8.907 164 212875 12.0607 PPBV	98
	99
74) 1,2-DIBROMOETHANE 8.059 107 284764 12.1479 PPBV	99
75) OCTANE 9.059 43 399973 12.6710 PPBV	96
77) 1,1,1,2-TETRACHLOROETHANE 10.123 131 224401 11.0610 PPBV	98
78) CHLOROBENZENE 10.110 112 424436 11.4907 PPBV	99
79) ETHYLBENZENE 10.991 91 702084 11.2297 PPBV 1	00
80) M,P-XYLENE 11.419 91 1110767 22.6641 PPBV	98
81) O-XYLENE 12.345 91 568023 11.5400 PPBV	99
82) STYRENE 12.139 104 429778 12.1913 PPBV 1	00
	97
84) BROMOFORM 11.229 173 272401 11.1940 PPBV	99
	00
	00
·	98
·	97
	00
	99
,	99
	98
·	99
·	97
	99
	98
	00
	99
	00
	95
,,-,	99
103) P-ISOPROPYLTOLUENE 17.029 134 220672 11.6013 PPBV	96
104) N-BUTYLBENZENE 17.393 134 216383 11.6433 PPBV	93
105) HEXACHLOROETHANE 17.569 117 236410 10.6779 PPBV	98
106) HEXACHLOROBUTADIENE 18.627 225 352078 12.6634 PPBV	99
107) 1,2,4-TRICHLOROBENZENE 18.319 180 401109 12.5553 PPBV 1	00
	00
110) TVHC as equiv Pentane 2.274 TIC 704789 12.2262 PPBV 1	00

Data Path : X:\Dayton VOA GCMS\luckyc\06 Jan 2025\v7w411\

Data File : 7w11431.D

Inst : MS7W

Acq On : 3 Jan 2025 7:45 pm Operator : benk Sample : cc405-10 Misc : MS88278, v7w411, , , , , 1 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 05 11:57:13 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min) (#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path: X:\Dayton VOA GCMS\luckyc\06 Jan 2025\v7w411\

Data File: 7w11431.D

3 Jan 2025 7:45 pm Acq On

: benk Operator

: cc405-10 : MS7W Sample Inst

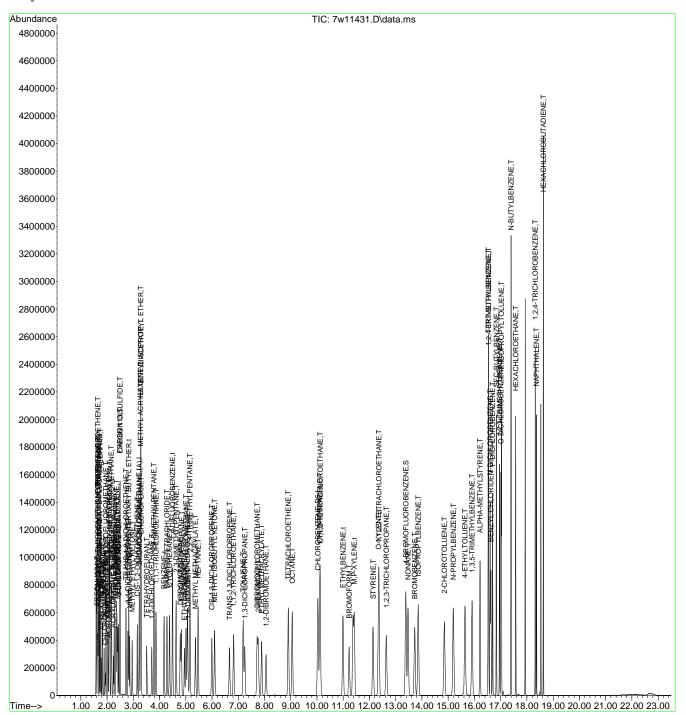
Misc : MS88278, v7w411, , , , , 1 Sample Multiplier: 1 ALS Vial : 3

Quant Time: Jan 05 11:57:13 2025

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration



Data Path : X:\Dayton VOA GCMS\kristelv\020425\v7w440\

Data File : 7w12379.D

Inst : MS7W

Acq On : 4 Feb 2025 10:09 am
Operator : williamc
Sample : cc405-10
Misc : MS89217, v7w440,,,,,1 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 04 21:54:20 2025

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units Dev	7(Min)
Internal Standards					
1) BROMOCHLOROMETHANE 52) 1,4-DIFLUOROBENZENE 76) CHLOROBENZENE-D5	3.225	128	132260	10.00 PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	681039	10.00 PPBV 10.00 PPBV 10.00 PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	641935	10.00 PPBV	
109) BROMOCHLOROMETHANE (A)	3.225	128	681039 641935 132260	10.00 PPBV	0.00
System Monitoring Compounds					
87) 4-BROMOFLUOROBENZENE	13.386	95	497305	10.68 PPBV	0.00
Target Compounds				7Q	<i>r</i> alue
3) FREON 152A 4) CHLORODIFLUOROMETHANE 5) CHLOROTRIFLUOROMETHANE 6) DICHLORODIFLUOROMETHANE 7) PROPYLENE 8) 1-CHLORO-1,1-DIFLUOROE 9) FREON 114 10) CHLOROMETHANE 11) VINYL CHLORIDE 12) 1,3-BUTADIENE 13) N-BUTANE 14) BROMOMETHANE 15) CHLOROETHANE 16) DICHLOROFLUOROMETHANE 17) ACETONITRILE 18) ACROLEIN 19) FREON 123 20) FREON 123A 21) TRICHLOROFLUOROMETHANE 22) ISOPROPYL ALCOHOL 23) ACETONE	1.627	65	61949	9.8357 PPBV	97
4) CHLORODIFLUOROMETHANE	1.637	67	32632	10.2058 PPBV 10.2436 PPBV	99
5) CHLOROTRIFLUOROETHENE	1.650	116	157770	10.2436 PPBV	82
6) DICHLORODIFLUOROMETHANE	1.666	85	389178	11.8016 PPBV	98
7) PROPYLENE	1.647	41	68025	7.8375 PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE	1.701	65	278558	11.4051 PPBV 13.4094 PPBV	95
9) FREON 114	1.737	85	350760	13.4094 PPBV	100
10) CHLOROMETHANE	1.708	52	35939	10.4981 PPBV	99
11) VINYL CHLORIDE	1.769	62	138319	12.5041 PPBV	99
12) 1,3-BUTADIENE	1.808	54	102950	10.9226 PPBV	90
13) N-BUTANE	1.824	43	178116	10.3838 PPBV	97
14) BROMOMETHANE	1.885	94	122571	12.3941 PPBV	99
15) CHLOROETHANE	1.933	64	74493	12.4438 PPBV	94
16) DICHLOROFLUOROMETHANE	1.955	67	289130	12.3982 PPBV	97
17) ACETONITRILE	2.023	41	101655	9.5629 PPBV	97
18) ACROLEIN	2.062	56	60768	10.8841 PPBV	97
19) FREON 123	2.074	83	324095	12.8784 PPBV	96
20) FREON 123A	2.094	117	195320	12.4658 PPBV	98
21) TRICHLOROFLUOROMETHANE	2.158	101	358030	12.3284 PPBV	100
22) ISOPROPYL ALCOHOL	2.174	45	294633	12.0249 PPBV	100
23) ACETONE	2.100	58	69698	9.0700 PPBV	73
24) PENTANE	2.271	42	128400	10.9098 PPBV	94
25) IODOMETHANE	2.332	142	360815	13.5568 PPBV	96
26) 1,1-DICHLOROETHYLENE	2.361	96	137818	12.0177 PPBV	88
27) CARBON DISULFIDE	2.496	76	377445	13.2165 PPBV	95
28) ETHANOL	1.959	45	64760	9.6551 PPBV	99
29) BROMOETHENE	2.033	106	129648	12.3054 PPBV	99
30) ACRYLONITRILE	2.242	52	92105	9.6841 PPBV	96
31) METHYLENE CHLORIDE	2.396	84	123229	11.7716 PPBV	87
32) 3-CHLOROPROPENE	2.438	76	64864	11.9105 PPBV	76
33) FREON 113	2.492	151	220373	12.6916 PPBV	98
20) FREON 123A 21) TRICHLOROFLUOROMETHANE 22) ISOPROPYL ALCOHOL 23) ACETONE 24) PENTANE 25) IODOMETHANE 26) 1,1-DICHLOROETHYLENE 27) CARBON DISULFIDE 28) ETHANOL 29) BROMOETHENE 30) ACRYLONITRILE 31) METHYLENE CHLORIDE 32) 3-CHLOROPROPENE 33) FREON 113 34) TRANS-1,2-DICHLOROETHENE 35) TERTIARY BUTYL ALCOHOL 36) METHYL TERTIARY BUTYL 37) TETRAHYDROFURAN 38) HEXANE 39) VINYL ACETATE 40) 1,1-DICHLOROETHANE 41) METHYL ETHYL KETONE 42) CIS-1,2-DICHLOROETHENE	2.721	96	142391	11.9272 PPBV	88
35) TERTIARY BUTYL ALCOHOL	2.373	59	278855	9.8959 PPBV	98
36) METHYL TERTIARY BUTYL	2.824	73	354426	10.3819 PPBV	97
37) TETRAHYDROFURAN	3.508	72	59362	11.2211 PPBV	84
38) HEXANE	3.277	57	206458	9.4782 PPBV	97
39) VINYL ACETATE	2.862	86	33470	10.3585 PPBV	67
40) 1,1-DICHLOROETHANE	2.795	63	222356	10.4096 PPBV	99
41) METHYL ETHYL KETONE	2.955	72	63128	10.7433 PPBV	78
42) CIS-1,2-DICHLOROETHENE	3.152	96	135258	10.9997 PPBV	95
43) DIISOPROPYL ETHER	3.280	59	60574	10.0414 PPBV	86
44) ETHYL ACETATE	3.287	61	43247	10.3624 PPBV	89
45) METHYL ACRYLATE	3.274	55	248076	10.1371 PPBV	
46) CHLOROFORM	3.299	83	281904	11.6613 PPBV	97
47) 2,4-DIMETHYLPENTANE	3.785	57	235864	9.7937 PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.865	97	287843	11.1034 PPBV	99
49) CARBON TETRACHLORIDE	4.283	117	294154	11.4411 PPBV	100
50) 1,2-DICHLOROETHANE	3.701	62	201868	11.1533 PPBV	99

M7W405.M Tue Feb 04 22:08:06 2025

Page: 1

Data Path : X:\Dayton VOA GCMS\kristelv\020425\v7w440\

Data File : 7w12379.D

Inst : MS7W

Acq On : 4 Feb 2025 10:09 am
Operator : williamc
Sample : cc405-10
Misc : MS89217,v7w440,,,,,1 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 04 21:54:20 2025

Quant Method: C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units Dev(Min	.)
51)	BENZENE	4.171	 78	388843	11.0082 PPBV	95
53)	CYCLOHEXANE	4.380	84	176361	10.9606 PPBV	90
54)	2,3-DIMETHYLPENTANE	4.631	71	88517	10.9606 PPBV 10.4779 PPBV 10.7976 PPBV 9.8828 PPBV 10.3465 PPBV 9.7433 PPBV 11.2219 PPBV	89
	TRICHLOROETHENE	5.061	95	186925	10.7976 PPBV	98
56)	1,2-DICHLOROPROPANE	4.830	63	145959	9.8828 PPBV	97
	DIBROMOMETHANE	4.791	174	168301	10.3465 PPBV	99
	ETHYL ACRYLATE	4.946	55	305757	9.7433 PPBV	99
	BROMODICHLOROMETHANE	5.007	83	309505	11.2219 PPBV	100
	2,2,4-TRIMETHYLPENTANE	5.155	57	641197		100
	1,4-DIOXANE	5.077	88	96658	10.0134 PPBV	91
62)	HEPTANE	5.467	43	213118	9.2601 PPBV	90
63)	METHYL METHACRYLATE	5.364	69	149291	10.0931 PPBV	89
64)	METHYL ISOBUTYL KETONE	6.093	58	128564	9.3570 PPBV	91
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	249319	10.7795 PPBV	93
66)	TOLUENE	7.187	91	498286	10.3546 PPBV	99
67)	1,3-DICHLOROPROPANE	7.248	76	251252	11.1794 PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	217320	9.9948 PPBV	93
69)	1,1,2-TRICHLOROETHANE	6.820	83	146343	11.0633 PPBV	98
70)	2-HEXANONE	7.753	58	175995	8.2029 PPBV	92
71)	ETHYL METHACRYLATE	7.888	69	250142	9.7273 PPBV	93
	TETRACHLOROETHENE	8.907	164	198607	10.8927 PPBV	97
73)	DIBROMOCHLOROMETHANE	7.717	129	301952	10.8650 PPBV	99
	1,2-DIBROMOETHANE	8.058	107	279827	11.5558 PPBV	100
	OCTANE	9.055	43	298078	9.1412 PPBV	92
77)	1,1,1,2-TETRACHLOROETHANE	10.119	131	225482	10.9901 PPBV	98
	CHLOROBENZENE	10.109	112	415993	11.1363 PPBV	98
	ETHYLBENZENE	10.987	91	672987	10.6440 PPBV	99
80)	M,P-XYLENE	11.418	91	1066068	21.5091 PPBV	97
81)	O-XYLENE	12.347	91	548102	11.0108 PPBV	99
82)	STYRENE	12.135	104	406937	11.4144 PPBV	99
83)	NONANE	13.469	43	320648	9.3779 PPBV	94
84)	BROMOFORM	11.225	173	289828	11.7771 PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	401024	12.1053 PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.640	75	305296	11.5514 PPBV	100
	ISOPROPYLBENZENE	13.858	120	203920	10.7230 PPBV	95
89)	BROMOBENZENE	13.723	77	382905	10.8012 PPBV	99
90)	2-CHLOROTOLUENE	14.855	126	184356	10.6569 PPBV	99
91)	N-PROPYLBENZENE	15.199	120	212511	11.0253 PPBV	100
92)	4-ETHYLTOLUENE	15.643	105	780132	11.2844 PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	658071	11.3108 PPBV	98
94)	ALPHA-METHYLSTYRENE	16.215	118	327713	11.0291 PPBV	99
95)	TERT-BUTYLBENZENE	16.527	134	162637	11.6796 PPBV	98
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	696889	11.8748 PPBV	97
	BENZYL CHLORIDE	16.627	91	474678	9.1343 PPBV	98
98)	M-DICHLOROBENZENE	16.598	146	460734	11.5101 PPBV	99
99)	P-DICHLOROBENZENE	16.691	146	469488	12.0508 PPBV	99
100)	O-DICHLOROBENZENE	17.009	146	443954	11.7456 PPBV	100
	SEC-BUTYLBENZENE	16.839	134	205074	11.8180 PPBV	98
	1,2,3-TRIMETHYLBENZENE	16.955	105	664039	11.2961 PPBV	98
103)	P-ISOPROPYLTOLUENE	17.029	134	224544	11.6730 PPBV	99
	N-BUTYLBENZENE	17.395	134	219008	11.6528 PPBV	93
105)	HEXACHLOROETHANE	17.572	117	257643	11.5069 PPBV	97
106)	HEXACHLOROETHANE HEXACHLOROETHANE	18.627	225	371633		100
107)	1,2,4-TRICHLOROBENZENE	18.318	180	410862	12.7169 PPBV	99
	NAPHTHALENE	18.366	128	410862 832975 599386	11.6163 PPBV	99
	TVHC as equiv Pentane	2.271	TIC			100

Data Path : X:\Dayton VOA GCMS\kristelv\020425\v7w440\

Data File: 7w12379.D

Inst : MS7W

Acq On : 4 Feb 2025 10:09 am
Operator : williamc
Sample : cc405-10
Misc : MS89217, v7w440,,,,,1 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 04 21:54:20 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : To15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min) (#) = qualifier out of range (m) = manual integration (+) = signals summed

Page: 3

Data Path : X:\Dayton VOA GCMS\kristelv\020425\v7w440\

Data File: 7w12379.D

4 Feb 2025 10:09 am Acq On

: williamc Operator

: cc405-10 : MS7W Inst Sample

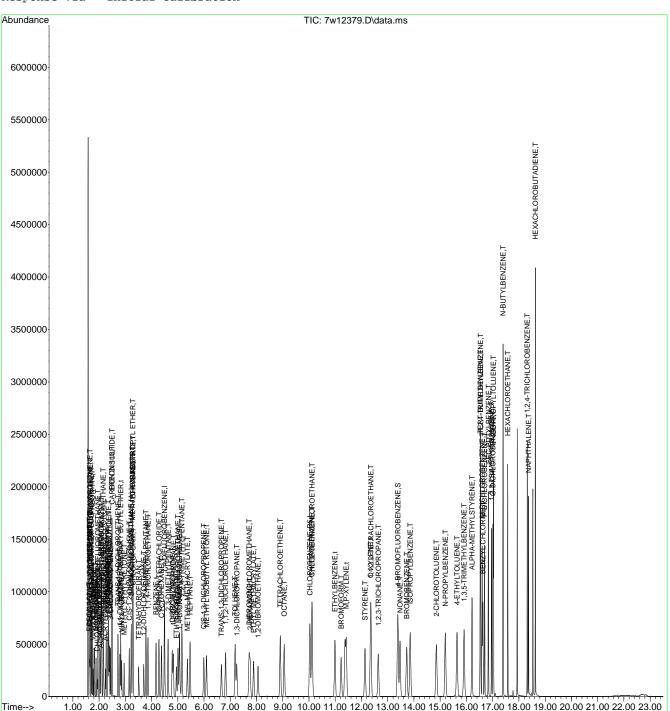
Misc : MS89217, v7w440,,,,,1 Sample Multiplier: 1 ALS Vial : 3

Quant Time: Feb 04 21:54:20 2025

Quant Method : C:\msdchem\1\methods\M7W405.M

Quant Title : T015 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um QLast Update : Sun Dec 29 19:41:17 2024

Response via : Initial Calibration



Dilution Factor Final Canister Dilution Factor

Canister SN Canister Sumptivious Final Pressure Equivalent Total Volume Added (cc) Added (cc) (psig.)

CANISTER SECONDARY DILUTION LOG

Dilution Factor

Original Canister Dilution
Vacuum at Time of Final Pressure (psig)

Canister SN

	Concentration (ppbv)	100	0.4	40.0	4	50	1000	1000
Standard Information	Expiration Date	5/31/2025	2/7/2025	2/6/2025	2/8/2025	2/6/2025	6/12/2025	6/12/2025
Standar	Lot Number	AS10298	AS10545	AS10534	AS10547	AS10539	AS10352	AS10351
	SN	A1739	A1789	A1261	A2035	A967	CC-305926	CC-267282
	Description	Internal/Surrogate	TO-15 STD	TO-15 STD	TO-15 STD	TO-15 LCS	TO-15 LCS (Stock)	TO-15 STD (Stock)

Batch ID: VSW2144
Date: 18/2025
Laboratory Analyst: Thomas Hilbig
CCMS Method: NSW015,M
Sequence File: 8W20250108.S
Initial Calibration Method: NSW012,M
Concentrator Method: SW7015,CTD3
Data Validator(8): Thomas Hilbig Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

																_				_	_		_																		
COMMENTS													T = 23:56							Testing purposes only.																					
STATUS													ŏ	òĶ	OK	Š	RR			NOT USED T		š	οĶ	ŏ	òĶ								ŎĶ	OK							Ī
Areas	+																																								1
TICS																																									+
Dilution																																									
Injection Volume (cc)	20	20	20	0	0	0	0	0	0	400	400	400	20	40	100	200	009	400	400	2	20	100	200	400	200	200	400	5	5	20	200	400	90	08							
Canister		a1261	a1789	a2039	A2039	A2039	A2039	A2039	A2039	A2039	A2039	A2039	a1789	a1789	A1789	A1789	A1789	A2039	A2039	a1261	a1261	a1261	a1261	a1261	a1261	a2039	a2039	a1261	a1261	a2035	a2039	a2039	a2035	a967							
TEST CODE																																									
MS Code																																									
Data File ID	5w55981	5w55982	5w55983	5w55984	5w55985	5w55986	5w55987	5w55988	5w55989	5w55990	5w55991	5w55992	5w55993	5w55994	5w55995	5w55996	5w55997	5w55998	5w55999	5w56000	5w56001	5w56002	5w56003	5w56004	5w56005	5w56006	5w56007	5w56008	5w56009	5w56010	5w56011	5w56012	5w56013	5w56014							
Sample ID	qi	qi	qi	0,0,0	0,0,0	0,0,0	istd only	istd only	istd only	ą	qi	qi	qJq	ic2144-0.04	ic2144-0.1	ic2144-0.2	ic2144-0.5	qı	ą	ic2144-0.5	ic2144-5	icc2144-10	ic2141-20	ic2141-40	ic2141-50	qi	ą	qi	qi	qi	qi	qi	ic2144-0.5	icv2144-10							
ALS	4-1	1-3	1-2	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-2	1-2	1-2	1-2	1-1	1-1	1-3	1-3	1-3	1-3	1-3	1-3	1-1	1-1	4	1-1	1-5	1-1	1-1	1-6	1-4							1

		5	Sample ID	
		Pressure Gauge ID: TG -	Initial	
		Pre	Date	
	'		0	00
	-		5	<u>(†)</u>

MS AIR by GCMS ANALYSIS LOG

Standard Information

Batch ID: VSW2144
Date: 18/2025
Laboratory Analyst: Thomas Hilbig
CCMS Nethods NWTO15.M
Sequence File: 8W20250108.S
Initial Calibration Methods NWSW214.M
Concentrator Method: SWTO15.CCTD3
Data Validator(8): Thomas Hilbig

reviewed and verified to comply with the criteria of SGS SOP EQA044.

STATUS COMMENTS						Example Original Canister is diluted 2x for manual sample draw. 73xc from this canister is added to a 375xc minican and brought to 14.7 psig (750xc equivalent volume). This results in an additional dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.	
Areas IS SS						on) = 400.	
Injection Dilution TICS						Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.	
Canister Inje					cted (cc)]	t to 14.7 psig (750cc equivalent v jultiplier is 20 (from canister dilur	
TEST CODE					Final Canister Ditution Factor (DF) = (Original Canister DF) x (Secondary Canister DF) Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (ee) / Sample Volume Injected (ee)]	to a 375cc minican and brought setor of 20. The final dilution m	
S Code TE					Definition: Final Canister Ditution Factor (DF) = (Original Canister DF) x (Secondary Canister DF) Ditution Factor at Instrument = Final Canister Ditution Factor x [Nominal Sampling Volu	Sec from this canister is added 1 dditional instrument dilution fa	
					<ul><li>F) = (Original Canister Dinal Canister Dilution Factor</li></ul>	manual sample draw. 75 ne is 400cc. This is an a	
Z					OΕ		
Sample ID Data File ID MS C					nal Canister Dilution Factor (I lution Factor at Instrument = 1	ginal Canister is diluted 2x for instrument where normal volur	

SGS

# MS AIR by GCMS ANALYSIS LOG

Standard Information

Femiration Date

Batch ID: VSW2168

Date, 23/2025

Laboratory Analyst: Renjamin Kim
Columes: Rest (60m to 0.2)

Columes: Rest (60m to 0.2)

Columes: Rest (60m to 0.2)

Initial Calibration Method: NSW2144 M
Corcuration Method: NSW2144 M
Concurration Method: NSW2144 M
Concurration Method: NSW214 Au
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Concurration Method: NSW214 Au
Concurration Method: NSW214 A

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

SENSIMMOS	COMMENTS	T = 9:46		Naph							TBA, RR = 2x	Acetone, RR = 2x	Acetone, RR = 4x														q							
3				Z ←							± ↓	¥ ↓	<b>∀</b>														rr Vd							
STATIS	STUTE	ð	ŏ	ŏ	OK			Ö	ŏ	OK	OK/DF	OK/DF	OK/DI	ŏ	OK	ŏ	OK	OK	ŏ	ŏ	OK	OK	OK	ŏ	ÖK	OK	RR	OK	OK	ŏ	OK	RR	OK	
Areas	SS		Ņ	>	٨			Ņ	Ņ	٨	٨	٨	^	Ņ	٨	>	٨	٨	>	Ņ	٨	٨	٨	^	Ņ	٨	٨	٨	٨	^	٨	٨	>	
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TILLE								+																										
Dilution	Dunna								1	1	1	1	-	1	1	-	1	1	-	1	1	1	1	-	1.52	4.62	1	1	1	-	1	1		
Injection	Volume (cc)	400	80	80	80	200	200	200	400	400	400	400	400	400	400	100	100	100	100	100	100	200	400	400	20	20	100	100	100	200	200	100	400	
Canister	SN	OPEN	A1791	A1791	A1791	A2039	A2039	A2039	A046	A046	A070	A1693	A752	A011	M265	M265	A1940	A1518	A1887	A1420	A1877	A1308	A462	A323	A2272	A1563	A1727	A1912	A2550	A070	A1693	A752	A2030	
AUOJISAL	ILSI CODE								STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	NYLL, NAP	STD	STD	SL, TBA, ETHL	SL, TBA, ETHL	STD	STD	STD	STD	STD	STD		
	0								_	-	-	- 1	_	_	2	_	-	- 1	_	_	-	-	1	-	9	9	9	9	9	-	- 1	-		
MS Code	TOP CTAY								MS89221	MS89221	MS89221	MS89221	MS8922	MS89221	MS89222	MS89321	WS8932	MS89321	MS89321	MS89321	MS89321	WS8932	MS89321	MS89321	MS89176	MS89176	MS89176	MS89176	MS89176	MS89221	MS89221	MS89221		
Ol olid eted	Data Life ID	5w56584	2w26585	5w56586	28595w5	88595w5	68595w5	2w26590	5w56591	26292MS	£6595w5	5w56594	2w26595	96595w5	26595w5	5w56598	66595w5	00995w5	5w56601	5w56602	£0995w5	5w56604	20995w5	90995w5	20995w5	80995w5	60995w5	5w56610	5w56611	5w56612	5w56613	5w56614	5w56615	
Cample ID	Sample II	qJq	cc2144-10	sq	psq	qi	qi	qm	je4785-5	je4785-5dup	je4785-6	je4785-7	je4785-8	je4785-9	je4785-1	je4928-1	je4928-2	je4928-3	je4928-4	je4928-5	je4928-6	je5018-4	je5019-1	je5019-2	je4685-1	je4685-2	je4686-1	je4729-1	je4729-2	je4785-6	je4785-7	je4785-8	scc,cp12992	
SIV	200	1-12	SS4	SS4	SS4	1-1	1-1	1-1	1-2	1-2	1-3	1-4	1-5	1-6	1-13	1-7	1-8	1-9	1-10	1-11	1-12	1-1	1-2	1-6	1-7	1-8	1-9	1-10	1-11	1-3	1-4	1-5	1-13	

CANISTER SECONDARY DILUTION LOG

	Vaccum at Time of Final Pressure (psig) Dilution Factor Canister SN Volume (cc) Dilution (inHg) (cc) Added (cc) (cc) (psig) (cc) (cc) (cc) (cc) (cc) (cc) (cc) (c				
	Dilution Factor				
noi	Equivalent Total Volume (cc)				
Secondary Canister Dilution	Final Pressure (psig)				
Seconda	Sample Volume Added (cc)				
	Canister Volume (cc)				
	Canister SN				
	Dilution Factor				
Original Canister Dilution	Final Pressure (psig)				
Original Ca	Vacuum at Time of Dilution (inHg)				
	Canister SN				
5	Sample ID				
Pressure Gauge ID: TG -	Initial				
Pr	Date				

Final Canister Ditution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)

Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)] Definition: Example:

Original Canister is diluted 2x for manual sample draw, 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent voltume). This results in an additional dilution factor is 2 x 10 = 20. From the dilution canister, 20xe is injected the instrument dilution) and 30 (from instrument dilution) = 400.

SGS

Notes:

		Standa	Standard Information	
Description	NS	Lot Number	Expiration Date	Concentration (ppbv)
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	A1787	AS10529	1/28/2025	0.5
TO-15 STD	996V	AS10528	1/27/2025	5.0
TO-15 STD	A1805	AS10522	1/18/2025	50
TO-15 LCS	A1795	AS10507	12/29/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W405	Date: 12/28/2024	aboratory Analyst: Benjamin Kim	Column DB-1: 30m x 0.25mm x 0.5um	GCMS Method: 7WTO15SPLIT.M	Sequence File: 7W20241228.S	Initial Calibration Method: M7W405.M	Concentrator Method: 7WTO15D.7200A.CTD	Data Validator(s): Benjamin Kim		
		Labor				Initial Ca	Conc	Dat		
									ria of SGS SOP EQA044.	Anone
									rified to comply with the crite	Turiootion
									we been reviewed and we	Iniootion
	Concentration (ppbv)	100	0.5	5.0	50	50	1000	1000	in the following reportable files ha	Conictor
Standard Information	Expiration Date	5/31/2025	1/28/2025	1/27/2025	1/18/2025	12/29/2024	6/12/2025	6/12/2025	Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQAD44.	
Standard 1	Lot Number	AS10298	AS10529	AS10528	AS10522	AS10507	AS10352	AS10351		
	NS	1738	A1787	996V	A1805	A1795	CC-305926	CC-267282		
	Description	Internal/Surrogate	TO-15 STD	TO-15 STD	TO-15 STD	TO-15 LCS	TO-15 LCS (Stock)	TO-15 STD (Stock)		
	_		<u> </u>		<u> </u>		_	_	l	f

COMMENTS														T = 8:40				Testing purposes			Testing purposes																	
STATUS														OK	ŏ	Š	Š	NOT USED	OK	Š	NOT USED	OK	OK	OK	OK				OK									
sas															>	>	>		>	>		>	٨	٨	٨				^									
Areas															٨	٨	٨		٨	٨		٨	٨	٨	٨				٨									
n TICS																																						
Dilution																																						
Injection Volume (cc)	20	20	20	20	20	20	20	20	20	20	20	20	20	32	32	80	160	320	40	400	40	80	160	320	400	200	400	400	80	80	200	400	400	400	400	400		
Canister	A1795	A1805	A966	A1787	A2036	A2036	A2036	A2036	A2036	A2036	A2036	A2036	A2036	A1787	A1787	A1787	A1787	A1787	A966	A966	A1805	A1805	A1805	A1805	A1805	A2036	A2036	A2036	A1795	A1795	A2036	A2036	A2036	A2036	A2036	A2036		
TEST CODE																																						
MS Code															MS80966	MS80966	MS80966	MS80966	MS80966	MS80966	MS80966	MS80966	MS80966	MS80966	MS80966				MS80966									
Data File ID	7w11219	7w11220	7w11221	7w11222	7w11223	7w11224	7w11225	7w11226	7w11227	7w11228	7w11229	7w11230	7w11231	7w11232	7w11233	7w11234	7w11235	7w11236	7w11237	7w11238	7w11239	7w11240	7w11241	7w11242	7w11243	7w11244	7w11245	7w11246	7w11247	7w11248	7w11249	7w11250	7w11251	7w11252	7w11253	7w11254		
Sample ID	ā	qi	ē	qi	q	ą	ð	ð	ē	ą	ą	q	qi	qJq	ic405-0.04	ic405-0.1	ic405-0.2	ic405-0.5	ic405-0.5	ic405-5	ic405-5	icc405-10	ic405-20	ic405-40	ic405-50	qi	ð	qi	icv405-10	qi	q	qi	qi	qi	qi	qı		
VIV	2-5	2-4	2-3	2-2	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-2	2-2	2-2	2-2	2-2	2-3	2-3	2-4	2-4	2-4	2-4	2-4	2-1	2-1	2-1	2-5	2-5	2-1	2-1	2-1	2-1	2-1	2-1		

	Vacuum at Time of Final Pressure (psig) Dilution Factor Canister SN Volume (cc) Added (cc) (psig) (cc) Dilution Factor (psig) (cc) (psig) (cc) (cc) Dilution Factor Final Canister Dilution Factor (psig) (cc) (cc) (psig) (cc) (cc) (cc) (cc) (cc) (cc) (cc) (c				
	Dilution Factor				
ion	Equivalent Total Volume (cc)				
Secondary Canister Dilution	Final Pressure (psig)				
Seconda	Sample Volume Added (cc)				
	Canister Volume (cc)				
	Camister SN				
	Dilution Factor				
Original Canister Dilution	Final Pressure (psig)				
Original Ca	Vacuum at Time of Dilution (inHg)				
	Canister SN				
5	Sample ID				
Pressure Gauge ID: TG -	Initial				
Pr	Date				

CANISTER SECONDARY DILUTION LOG

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)

Dylution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc)/ Sample Volume Injected (cc)]

Batch ID: V7W405

Date: 12728/2024

Laboratory Analyst: Benjamin Kim
CCMS Mendori 7W701589LT.T.M
Sequence File: 7W2021128.8

Initial Calibration Mendori MFW4058M

Concentrator Nethock 7W701587

Data Validator(s): Benjamin Kim

MS AIR by GCMS ANALYSIS LOG

# Standard Information

reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS Sample ID Data File ID MS Code TEST CODE SN Volume (complete is diluted 2x for manual sample draw. TSc from this caniser is additional instrument dilution factor of 20. The final dilution multiplier is 20 (from caniser dilution) and 20 (from instrument dilution) = 400.  Sample Data File ID SN TATUS (SN TATUS COMMENTS)  From the dilution caniser; 2x 10 = 20. From the dilution caniser; 2x 10 = 20. From the dilution caniser; 20ce is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution multiplier is 20 (from caniser dilution) and 20 (from instrument dilution) = 400.
Sample ID Data File ID MS Code  Diginal Canister is diluted 2x for manual sample draw. "Yee from the instrument where normal volume is 400xc. This is an additional
Sample ID Data File ID MS Code  Diginal Canister is diluted 2x for manual sample draw. "Yee from the instrument where normal volume is 400xc. This is an additional
Sample ID Data File ID MS Code  Diginal Canister is diluted 2x for manual sample draw. "Yee from the instrument where normal volume is 400xc. This is an additional
Sample ID Data File ID MS Code  Diginal Canister is diluted 2x for manual sample draw. "Yee from the instrument where normal volume is 400xc. This is an additional
Sample ID Data File ID MS Code  Diginal Canister is diluted 2x for manual sample draw. "Yee from the instrument where normal volume is 400xc. This is an additional
Sample ID Data File ID MS Code  Diginal Canister is diluted 2x for manual sample draw. "Yee from the instrument where normal volume is 400xc. This is an additional
Sample ID Data File ID MS Code  Diginal Canister is diluted 2x for manual sample draw. "Yee from the instrument where normal volume is 400xc. This is an additional
Sample ID Data File ID MS Code  Diginal Canister is diluted 2x for manual sample draw. "Yee from the instrument where normal volume is 400xc. This is an additional

SGS

# MS AIR by GCMS ANALYSIS LOG

Standard Information

Batch ID: V7W411

Date: 13/2025

Laboratory Analyst: Benjamin Kim
CCMS Nethod: 7W70158PLTIA
Sequence File: 7W20250103.8

Initial Calibration Method: M7W405.M

Concentrator Nethod: 7W70150.7

Data Validator(s): Lucky Carandang

been reviewed and verified to comply with the criteria of SGS SOP EQA044. Manually integrated chromatographic peaks in the following reportable files have

COMMENTS	T = 19:07							↑ CS <sub>2</sub>		↑CS <sub>2</sub>	↑ CS <sub>2</sub>																				
STATUS	OK	OK	OK	OK		OK	ò	RECLEAN	OK	RECLEAN	RECLEAN	OK	OK	OK	OK	OK	ò	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
Areas		٨	٨	٨		^	>	٨	٨	٨	٨	٨	>	>	٨	٨	٨	>	٨	٨	٨	٨	٨	٨	٨	٨	٨	٨	٨	^	>
SI		>	٨	>		>	>	>	>	>	>	٨	>	>	>	>	>	>	>	>	>	٨	٨	٨	>	>	>	>	٨	>	>
TICS						+						+	+																	+	+
Dilution							1.15					-	-	1.13	1.35	1.15	1.20	1.20	1.15	1.25	1.10	1.15	1.38	1.23	1.20	1.18	1.25	1.23	1.10	1	-
Injection Volume (cc)	400	80	80	80	200	400	46	400	400	400	400	400	400	452	540	460	480	480	460	200	440	460	552	492	480	472	200	492	440	400	400
Canister SN	OPEN	A1806	A1806	A1806	A2036	A2036	A1885	A741	A1721	M147	M104	A1497	A1497	A1386	A2588	A1375	A2435	A2231	A2576	A2381	A1970	A2563	A1921	A2568	A2441	A1916	A1564	A2230	A1953	A1725	A1674
TEST CODE												STD+	STD+	STD, NAP	STD, NAP	STD, NAP	STD, NAP	STD, NAP	STD, NAP	STD, NAP	STD, NAP	STD, NAP	STD, NAP	STD, NAP	STD, NAP	STD, NAP	STD, NAP	STD, NAP	STD, NAP	STD+, NAP	STD+, NAP
MS Code												MS88474	MS88474	MS88474	MS88474	MS88474	MS88474	MS88474	MS88474	MS88474	MS88474	MS88474	MS88474	MS88474	MS88474	MS88474	MS88474	MS88474	MS88474	MS88474	MS88474
Data File ID	7w11430	7w11431	7w11432	7w11433	7w11434	7w11435	7w11436	7w11437	7w11438	7w11439	7w11440	7w11441	7w11442	7w11443	7w11444	7w11445	7w11446	7w11447	7w11448	7w11449	7w11450	7w11451	7w11452	7w11453	7w11454	7w11455	7w11456	7w11457	7w11458	7w11459	7w11460
Sample ID	qJq	cc405-10	sq	psq	Ð	qm	je2985-1	scc, cp12961	scc, cp12960	scc, cp12961	scc, cp12961	je3199-1	je3199-1dup	je3203-1	je3203-2	je3203-3	je3203-4	je3203-5	je3203-6	je3203-7	je3203-8	je3203-9	je3203-10	je3204-1	je3204-2	je3204-3	je3204-4	je3204-5	je3204-6	je3135-1	je3135-2
ALS	60	2-1	2-1	2-1	2-1	2-1	A1	2-2	2-3	2-4	2-5	2-6	2-6	A2	A3	Α4	A5	A6	A7	A8	A9	A10	B1	B2	B3	B4	B5	B6	B7	2-7	2-8

1	L				1
	Canister Sample Volume (cc) Added (cc) (psig) (cc) (cc) (cc) (cc) (cc) (cc) (cc) (c				
	Dilution Factor				
on	Equivalent Total Volume (cc)				
ıry Canister Diluti	Final Pressure (psig)				
Seconda	Sample Volume Added (cc)				
	Canister Volume (cc)				
	Canister SN				
	V Vacuum at Tinne of Final Pressure (psig) Dilution Factor Dilution (in Hg)				
Original Canister Dilution	Final Pressure (psig)				
Original C	Vacuum at Time of Dilution (inHg)				
	Canister SN				
5	Sample ID				
ressure Gauge ID: TG -	Initial				
P	Date				

CANISTER SECONDARY DILUTION LOG

Original Canister is diluted 2x for manual sample draw, 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution factor is 2 x 10 = 20. From the dilution canister, 20xcc is injected the instrument dilution) and 20 (from instrument dilution) = 400. Final Canister Dhirtion Factor (DF) = (Original Canister DF) x (Secondary Canister DF)

Dilution Factor at Instrument = Final Canister Dilution Factor x [Wominal Sampling Volume (cc) / Sample Volume Injected (cc)] Example: Notes:

Definition:

	Expiration Date Concentration (ppbv)	12/17/2025	3/2/2025			6/12/2025
Stalltal U Illion mattoll	Lot Number Ex	AS10551	AS10567			AS10351
	NS	1738	a2037			CC-267282
	Description	Internal/Surrogate	TOISSTD			TO-15 STD (Stock)

Barch ID: V7W440

Date: 24/2025

Laboratory Analyst: William Cruser
CCNS Webed: W. 25mm x 0.5mm x 0.5mm
CCNS Webed: WVIOISSPLITM
GONGWOOD FILE: WVIOISSPLITM
Initial Calbrainon Method: WYIOISSP 27200A CTD
Concentrant Nethod: WYIOISS 72200A CTD
Data Validatory Si Kriete Validaolid
Data Validatory Si Kriete Validaolid
Data Validatory Si Kriete Validaolid criteria of SGS SOP EQA044. 30

COMMENTS ropylene↓, acetone↓ - Bad injection J Acetone; RR = 100cc THF; RR = 80cc acetone↑, rr=100cc acetone↑, rr=100cc RR/Too Dilute
RR/Too Dilute
OK
OK
RR/Too Dilute STATUS 8 8 8 8 8 옷 똢 옷 옷 똢 옷 Areas TICS Dilution 2400 2500 2400 2500 50 | Injection | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Volume (cc) | Vo Canister | Canister | SIN | OPEN | a2037 | a2037 | a2037 | a2037 | a2036 | a1682 | a1682 | a1682 | a1682 | a1682 | a1682 | a1682 | a1682 | a1682 | a1682 | a1682 | a1682 | a1682 | a1682 | a1682 | a1682 | a1682 | a1683 | a16845 | a1681 | a16845 | a1681 | a1685 | a1685 | a1685 | a1685 | a1685 | a1685 | a1685 | a1685 | a2036 | a2685 | a2036 | a2036 | a2036 | a2036 | a2036 | a2036 | a2036 | a1737 | a277 | a1737 | a277 | a277 | a1737 | a277 | a277 | a277 | a1737 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a1737 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | a277 | Manually integrated chromatographic peaks in the NYSVLL, NAP NYSVLL, NAP NYSVLL, NAP STD+, NAP STD+, NAP STD+, NAP STD+, NAP STD+, NAP STD+, NAP STD+, NAP STD+, NAP STD+, NAP STD+, NAP TEST CODE MS89321 MS89321 MS89321 MS89321 MS89163 MS89163 MS89163 MS89163 MS89163 MS Code Data File ID Sample ID SS-4 SS-4 SS-4 SS-4 SS-4 SS-4

↓ Acetone, RR = 200cc ↑ Acetone, RR = 100cc ↓ Acetone, RR = 200cc

PCE, RR = 200cc

	NLOG
	DARY DILUTIC
	CANISTER SECONI

equence stopped

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MS89163 MS89163 MS89163 MS89163 MS89163

MS89163 MS89163 MS89163 MS89163 MS89163 MS89163 MS89221 MS89221 MS89163 MS89163 MS89163

a1952,a547 a2419,a508 a1528 a19572,m177 a2429.a727 a112 a1112 bag,tbag a265 a1327 a1327 a285 a1327 a1327 a295 a385 a2192 a2192

480

		Canister Sample Volume Final Pressure Equivalent Total Volume (cc) Total Canister Dilution Factor (cc) (cc) (psig) (cc)		
		Dilution Factor		
	ion	Equivalent Total Volume (cc)		
	econdary Canister Dilut	Final Pressure (psig)		
	Seconda	Sample Volume Added (cc)		
ONLOG		Canister Volume (cc)		
OARY DILUTI		Canister SN		
CANISTER SECONDARY DILUTION LOG		Vacuum at Time of Final Pressure (psig) Dilution Factor Canister SN Volume (cc) Added (cc)		
	nister Dilution	Final Pressure (psig)		
	Original Ca	Vacuum at Time of Dilution (inHg)		
		Canister SN		
	5	Sample ID		
	essure Gauge ID: TG -	Initial		
	P	Date		

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information

Barch ID: V7W440

Date: 24/2025

Laboratory Date: 24/2025

Laboratory The Common Ed.: 30m x 0.25mm x 0.5mm

GCNS Method: WVIO/SSPLI'M

Cocquence The Common Ed.: 30m x 0.25mm x 0.5mm

Coccuration Method: WVIO/SSPLI'M

Coccuration Method: WVIO/SSPLI'M

Data Validator(s): Kristel Validolid

Data Validator(s): Kristel Validolid

Data Validator(s): Michaella Balido

916	A1 Common Date Ello ID MC Code	Date Die In	MC Code	adootsat	Canister	Injection	Are		этте	2000	CONTAINENTIC	
S.T.	Sample 1D	Data File ID	MS Code	IESTCODE	SN	SN Volume (cc) Dinuuon 11C3 IS SS	SI		SIALUS	COMIN	HEN IS	
Definition:	Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF) Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volu	Factor (DF) = (Origina ment = Final Canister	al Canister DF) x (Se Dilution Factor x [N	inal Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)  Niution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]	Injected (cc)]							
Example:	Original Canister is dilut the instrument where nor	ted 2x for manual san. mal volume is 400cc.	pple draw. 75cc from This is an additional	Example: Original Canister is diluted 2x for manual sample draw. TScc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional clauster is full control factor of 22. The final dilution multiplier is 20 (from instrument dilution) = 440.	ught to 14.7 psig (750cc eq on multiplier is 20 (from ca	uivalent volume). This results in an a nister dilution) and 20 (from instrum	dditional dilution of 7. nt dilution) = 400.	50/75 or 10. The fit	al canister dilution factor is 2 x	. 10 = 20. From the	dilution canister, 20cc is injected at	
Notes:												

reviewed and verified to comply with the criteria of SGS SOP EQA044.

SGS



### ANALYTICAL REPORT

Lab Number: L2516429

Client: Soils Engineering Services, Inc.

959 Route 46E

Parsippany, NJ 07054

ATTN: Christopher Malvicini

Phone: (973) 808-9050

Project Name: 34 STATE ST

Project Number: 13968 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: NH ELAP (2249).



**Project Name:** 34 STATE ST

Project Number: 13968

Lab Number:

L2516429

Report Date:

04/01/25

Lab<br/>Sample IDClient IDMatrixSample<br/>LocationCollection<br/>Date/TimeReceive DateL2516429-01SSSV-2SOIL\_VAPOROSSINING, NY03/20/25 13:0703/20/25



L2516429

Lab Number:

Project Name: 34 STATE ST

Project Number: 13968 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.

rodoc contact i rojost management at coo oz i ozze min any quodicno.	

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



Project Name: 34 STATE ST Lab Number: L2516429

Project Number: 13968 Report Date: 04/01/25

# **Case Narrative (continued)**

Volatile Organics in Air

Canisters were released from the laboratory on March 20, 2025. The canister certification data is provided as an addendum.

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:

Title: Technical Director/Representative Date: 04/01/25

Christopher J. Anderson

Pace

# **AIR**



Project Name: 34 STATE ST

Project Number: 13968 Lab Number:

L2516429

Report Date:

04/01/25

# **SAMPLE RESULTS**

Lab ID: L2516429-01

Client ID: SSSV-2 Sample Location:

OSSINING, NY

Date Collected: 03/20/25 13:07

Date Received: 03/20/25

Field Prep:

Not Specified

Sample Depth:

Matrix: Anaytical Method: Soil\_Vapor 48,TO-15

Analytical Date:

03/31/25 03:28

Analyst: APR

		ppbV			ug/m3			Dilution
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Factor
Volatile Organics in Air - Mar	nsfield Air Lab							
Dichlorodifluoromethane	0.443	0.200		2.19	0.989			1
Chloromethane	0.257	0.200		0.531	0.413			1
Freon-114	ND	0.200		ND	1.40			1
Vinyl chloride	ND	0.200		ND	0.511			1
1,3-Butadiene	ND	0.200		ND	0.442			1
Bromomethane	ND	0.200		ND	0.777			1
Chloroethane	ND	0.200		ND	0.528			1
Ethanol	16.7	5.00		31.5	9.42			1
Vinyl bromide	ND	0.200		ND	0.874			1
Acetone	26.6	1.00		63.2	2.38			1
Trichlorofluoromethane	ND	0.200		ND	1.12			1
Isopropanol	42.2	1.00		104	2.46			1
1,1-Dichloroethene	ND	0.200		ND	0.793			1
Tertiary butyl Alcohol	ND	0.500		ND	1.52			1
Methylene chloride	0.551	0.500		1.91	1.74			1
3-Chloropropene	ND	0.200		ND	0.626			1
Carbon disulfide	ND	0.200		ND	0.623			1
Freon-113	ND	0.200		ND	1.53			1
trans-1,2-Dichloroethene	ND	0.200		ND	0.793			1
1,1-Dichloroethane	ND	0.200		ND	0.809			1
Methyl tert butyl ether	ND	0.200		ND	0.721			1
2-Butanone	1.22	0.500		3.60	1.47			1
cis-1,2-Dichloroethene	ND	0.200		ND	0.793			1



Project Name: 34 STATE ST

Project Number: 13968

Lab Number:

L2516429

Report Date:

04/01/25

# **SAMPLE RESULTS**

Lab ID: L2516429-01 Client ID: SSSV-2

Sample Location: OSSINING, NY

Date Collected:

03/20/25 13:07

Date Received: Field Prep:

03/20/25 Not Specified

Sample Depth:

ppbV ug/m3 Dilution results RL MDL Results RL MDL Qualifier Factor

Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Factor			
Volatile Organics in Air - Mansfield Air Lab											
Ethyl Acetate	ND	0.500		ND	1.80			1			
Chloroform	ND	0.200		ND	0.977			1			
Tetrahydrofuran	ND	0.500		ND	1.47			1			
1,2-Dichloroethane	ND	0.200		ND	0.809			1			
n-Hexane	1.14	0.200		4.02	0.705			1			
1,1,1-Trichloroethane	ND	0.200		ND	1.09			1			
Benzene	0.872	0.200		2.79	0.639			1			
Carbon tetrachloride	ND	0.200		ND	1.26			1			
Cyclohexane	ND	0.200		ND	0.688			1			
1,2-Dichloropropane	ND	0.200		ND	0.924			1			
Bromodichloromethane	ND	0.200		ND	1.34			1			
1,4-Dioxane	ND	0.200		ND	0.721			1			
Trichloroethene	ND	0.200		ND	1.07			1			
2,2,4-Trimethylpentane	ND	0.200		ND	0.934			1			
Heptane	0.612	0.200		2.51	0.820			1			
cis-1,3-Dichloropropene	ND	0.200		ND	0.908			1			
4-Methyl-2-pentanone	ND	0.500		ND	2.05			1			
trans-1,3-Dichloropropene	ND	0.200		ND	0.908			1			
1,1,2-Trichloroethane	ND	0.200		ND	1.09			1			
Toluene	5.77	0.200		21.7	0.754			1			
2-Hexanone	ND	0.200		ND	0.820			1			
Dibromochloromethane	ND	0.200		ND	1.70			1			
1,2-Dibromoethane	ND	0.200		ND	1.54			1			
Tetrachloroethene	ND	0.200		ND	1.36			1			
Chlorobenzene	ND	0.200		ND	0.921			1			
Ethylbenzene	7.25	0.200		31.5	0.869			1			



Project Name: 34 STATE ST

Project Number: 13968

Lab Number:

L2516429

Report Date:

04/01/25

# SAMPLE RESULTS

Lab ID: L2516429-01 Client ID: SSSV-2

Sample Location: OSSINING, NY

Date Collected:

03/20/25 13:07

Date Received: Field Prep:

03/20/25 Not Specified

Sample Depth:

Hexachlorobutadiene

ppbV ug/m3 Dilution **Factor** Results RL MDL Qualifier RL**Parameter** Results MDL Volatile Organics in Air - Mansfield Air Lab p/m-Xylene 32.6 0.400 142 1.74 1 Bromoform ND 0.200 --1 --ND 2.07 Styrene ND 0.200 ND 0.852 1 1,1,2,2-Tetrachloroethane ND 0.200 ND 1.37 1 ---o-Xylene 12.2 0.200 53.0 0.869 1 4-Ethyltoluene 0.752 0.200 3.70 0.983 1 ----1,3,5-Trimethylbenzene 0.786 0.200 3.86 0.983 1 ----1,2,4-Trimethylbenzene 2.73 0.200 13.4 0.983 1 Benzyl chloride ND 0.200 1 --ND 1.04 --1,3-Dichlorobenzene ND 0.200 ND 1.20 1 ----1,4-Dichlorobenzene ND 0.200 --ND 1.20 --1 1,2-Dichlorobenzene ND 0.200 ND 1 --1.20 --1,2,4-Trichlorobenzene ND 0.200 ND 1.48 1 Naphthalene ND 0.190 ND 1 0.996 --

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	109		60-140
chlorobenzene-d5	114		60-140

0.200

--

ND

2.13

--

ND



1

Project Name: 34 STATE ST Lab Number: L2516429

Project Number: 13968 Report Date: 04/01/25

# Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15 Analytical Date: 03/30/25 20:51

		ppbV			ug/m3		Dilution	
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Factor
Volatile Organics in Air - Mansfield A	ir Lab for sa	ample(s):	01 Batch:	WG20471	87-4			
Dichlorodifluoromethane	ND	0.200		ND	0.989			1
Chloromethane	ND	0.200		ND	0.413			1
Freon-114	ND	0.200		ND	1.40			1
Vinyl chloride	ND	0.200		ND	0.511			1
1,3-Butadiene	ND	0.200		ND	0.442			1
Bromomethane	ND	0.200		ND	0.777			1
Chloroethane	ND	0.200		ND	0.528			1
Ethanol	ND	5.00		ND	9.42			1
Vinyl bromide	ND	0.200		ND	0.874			1
Acetone	ND	1.00		ND	2.38			1
Trichlorofluoromethane	ND	0.200		ND	1.12			1
Isopropanol	ND	1.00		ND	2.46			1
1,1-Dichloroethene	ND	0.200		ND	0.793			1
Tertiary butyl Alcohol	ND	0.500		ND	1.52			1
Methylene chloride	ND	0.500		ND	1.74			1
3-Chloropropene	ND	0.200		ND	0.626			1
Carbon disulfide	ND	0.200		ND	0.623			1
Freon-113	ND	0.200		ND	1.53			1
trans-1,2-Dichloroethene	ND	0.200		ND	0.793			1
1,1-Dichloroethane	ND	0.200		ND	0.809			1
Methyl tert butyl ether	ND	0.200		ND	0.721			1
2-Butanone	ND	0.500		ND	1.47			1
cis-1,2-Dichloroethene	ND	0.200		ND	0.793			1
Ethyl Acetate	ND	0.500		ND	1.80			1
Chloroform	ND	0.200		ND	0.977			1



Project Name: 34 STATE ST Lab Number: L2516429

Project Number: 13968 Report Date: 04/01/25

# Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15 Analytical Date: 03/30/25 20:51

		ppbV			ug/m3		Dilution	
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Factor
Volatile Organics in Air - Mansfield A	Air Lab for sa	ample(s):	01 Batch:	WG20471	87-4			
Tetrahydrofuran	ND	0.500		ND	1.47			1
1,2-Dichloroethane	ND	0.200		ND	0.809			1
n-Hexane	ND	0.200		ND	0.705			1
1,1,1-Trichloroethane	ND	0.200		ND	1.09			1
Benzene	ND	0.200		ND	0.639			1
Carbon tetrachloride	ND	0.200		ND	1.26			1
Cyclohexane	ND	0.200		ND	0.688			1
1,2-Dichloropropane	ND	0.200		ND	0.924			1
Bromodichloromethane	ND	0.200		ND	1.34			1
1,4-Dioxane	ND	0.200		ND	0.721			1
Trichloroethene	ND	0.200		ND	1.07			1
2,2,4-Trimethylpentane	ND	0.200		ND	0.934			1
Heptane	ND	0.200		ND	0.820			1
cis-1,3-Dichloropropene	ND	0.200		ND	0.908			1
4-Methyl-2-pentanone	ND	0.500		ND	2.05			1
trans-1,3-Dichloropropene	ND	0.200		ND	0.908			1
1,1,2-Trichloroethane	ND	0.200		ND	1.09			1
Toluene	ND	0.200		ND	0.754			1
2-Hexanone	ND	0.200		ND	0.820			1
Dibromochloromethane	ND	0.200		ND	1.70			1
1,2-Dibromoethane	ND	0.200		ND	1.54			1
Tetrachloroethene	ND	0.200		ND	1.36			1
Chlorobenzene	ND	0.200		ND	0.921			1
Ethylbenzene	ND	0.200		ND	0.869			1
p/m-Xylene	ND	0.400		ND	1.74			1



Project Name: 34 STATE ST Lab Number: L2516429

Project Number: 13968 Report Date: 04/01/25

# Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15 Analytical Date: 03/30/25 20:51

		ppbV			ug/m3		Dilution	
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Factor
Volatile Organics in Air - Mansfield	Air Lab for sa	ample(s):	01 Batch	n: WG20471	87-4			
Bromoform	ND	0.200		ND	2.07			1
Styrene	ND	0.200		ND	0.852			1
1,1,2,2-Tetrachloroethane	ND	0.200		ND	1.37			1
o-Xylene	ND	0.200		ND	0.869			1
4-Ethyltoluene	ND	0.200		ND	0.983			1
1,3,5-Trimethylbenzene	ND	0.200		ND	0.983			1
1,2,4-Trimethylbenzene	ND	0.200		ND	0.983			1
Benzyl chloride	ND	0.200		ND	1.04			1
1,3-Dichlorobenzene	ND	0.200		ND	1.20			1
1,4-Dichlorobenzene	ND	0.200		ND	1.20			1
1,2-Dichlorobenzene	ND	0.200		ND	1.20			1
1,2,4-Trichlorobenzene	ND	0.200		ND	1.48			1
Naphthalene	ND	0.190		ND	0.996			1
Hexachlorobutadiene	ND	0.200		ND	2.13			1



# Lab Control Sample Analysis Batch Quality Control

**Project Name:** 34 STATE ST

Project Number: 13968

Lab Number: L2516429

**Report Date:** 04/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air La	b Associated s	ample(s): 01	Batch: WG2	047187-3				
Dichlorodifluoromethane	90		-		70-130	-		
Chloromethane	91		-		70-130	-		
Freon-114	95		-		70-130	-		
Vinyl chloride	85		-		70-130	-		
1,3-Butadiene	84		-		70-130	-		
Bromomethane	90		-		70-130	-		
Chloroethane	82		-		70-130	-		
Ethanol	98		-		40-160	-		
Vinyl bromide	81		-		70-130	-		
Acetone	100		-		40-160	-		
Trichlorofluoromethane	92		-		70-130	-		
Isopropanol	88		-		40-160	-		
1,1-Dichloroethene	95		-		70-130	-		
Tertiary butyl Alcohol	82		-		70-130	-		
Methylene chloride	94		-		70-130	-		
3-Chloropropene	83		-		70-130	-		
Carbon disulfide	87		-		70-130	-		
Freon-113	100		-		70-130	-		
trans-1,2-Dichloroethene	96		-		70-130	-		
1,1-Dichloroethane	91		-		70-130	-		
Methyl tert butyl ether	91		-		70-130	-		
2-Butanone	80		-		70-130	-		
cis-1,2-Dichloroethene	93		-		70-130	-		



# Lab Control Sample Analysis Batch Quality Control

**Project Name:** 34 STATE ST

Project Number: 13968

Lab Number: L2516429

**Report Date:** 04/01/25

arameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
olatile Organics in Air - Mansfield Air Lab	Associated sa	ample(s): 01	Batch: WG20	)47187-3				
Ethyl Acetate	101		-		70-130	-		
Chloroform	91		-		70-130	-		
Tetrahydrofuran	92		-		70-130	-		
1,2-Dichloroethane	84		-		70-130	-		
n-Hexane	94		-		70-130	-		
1,1,1-Trichloroethane	84		-		70-130	-		
Benzene	83		-		70-130	-		
Carbon tetrachloride	83		-		70-130	-		
Cyclohexane	96		-		70-130	-		
1,2-Dichloropropane	87		-		70-130	-		
Bromodichloromethane	88		-		70-130	-		
1,4-Dioxane	89		-		70-130	-		
Trichloroethene	96		-		70-130	-		
2,2,4-Trimethylpentane	98		-		70-130	-		
Heptane	82		-		70-130	-		
cis-1,3-Dichloropropene	88		-		70-130	-		
4-Methyl-2-pentanone	81		-		70-130	-		
trans-1,3-Dichloropropene	90		-		70-130	-		
1,1,2-Trichloroethane	92		-		70-130	-		
Toluene	92		-		70-130	-		
2-Hexanone	78		-		70-130	-		
Dibromochloromethane	97		-		70-130	-		
1,2-Dibromoethane	92		-		70-130	-		



# Lab Control Sample Analysis Batch Quality Control

**Project Name:** 34 STATE ST

Project Number: 13968

Lab Number: L2516429

**Report Date:** 04/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recover	y Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab	Associated sa	ample(s): 01	Batch: W	G2047187-3				
Tetrachloroethene	91		-		70-130	-		
Chlorobenzene	91		-		70-130	-		
Ethylbenzene	93		-		70-130	-		
p/m-Xylene	94		-		70-130	-		
Bromoform	104		-		70-130	-		
Styrene	93		-		70-130	-		
1,1,2,2-Tetrachloroethane	100		-		70-130	-		
o-Xylene	95		-		70-130	-		
4-Ethyltoluene	102		-		70-130	-		
1,3,5-Trimethylbenzene	101		-		70-130	-		
1,2,4-Trimethylbenzene	100		-		70-130	-		
Benzyl chloride	88		-		70-130	-		
1,3-Dichlorobenzene	99		-		70-130	-		
1,4-Dichlorobenzene	102		-		70-130	-		
1,2-Dichlorobenzene	94		-		70-130	-		
1,2,4-Trichlorobenzene	103		-		70-130	-		
Naphthalene	89		-		70-130	-		
Hexachlorobutadiene	95		-		70-130	-		



Project Name: 34 STATE ST Lab Number: L2516429

Project Number: 13968 Report Date: 04/01/25

# **Canister and Flow Controller Information**

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt		Flow Out mL/min		% RPD
L2516429-01	SSSV-2	01571	SV200	03/20/25	512594				-	Pass	222	216	3
L2516429-01	SSSV-2	417	2.7L Can	03/20/25	512594 L	_2514248-10	Pass -	28.6	-5.0	-	-	-	-



L2514248

Lab Number:

Project Name: BATCH CANISTER CERTIFICATION

Project Number: CANISTER QC BAT Report Date: 04/01/25

# **Air Canister Certification Results**

Lab ID: L2514248-10 Date Collected: 03/13/25 10:00

Client ID: CAN 503 SHELF 3 Date Received: 03/13/25
Sample Location: Field Prep: Not Specified

Sample Depth:

Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/15/25 01:27

Analyst: KJD

		ppbV			ug/m3		Dilution	
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Factor
Volatile Organics in Air - Man	sfield Air Lab							
Chlorodifluoromethane	ND	0.200		ND	0.707			1
Propylene	ND	0.500		ND	0.861			1
Propane	ND	0.500		ND	0.902			1
Dichlorodifluoromethane	ND	0.200		ND	0.989			1
Chloromethane	ND	0.200		ND	0.413			1
Freon-114	ND	0.200		ND	1.40			1
Methanol	ND	5.00		ND	6.55			1
Vinyl chloride	ND	0.200		ND	0.511			1
1,3-Butadiene	ND	0.200		ND	0.442			1
Butane	ND	0.200		ND	0.475			1
Bromomethane	ND	0.200		ND	0.777			1
Chloroethane	ND	0.200		ND	0.528			1
Ethanol	ND	5.00		ND	9.42			1
Dichlorofluoromethane	ND	0.200		ND	0.842			1
Vinyl bromide	ND	0.200		ND	0.874			1
Acrolein	ND	0.500		ND	1.15			1
Acetone	ND	1.00		ND	2.38			1
Acetonitrile	ND	0.200		ND	0.336			1
Trichlorofluoromethane	ND	0.200		ND	1.12			1
Isopropanol	ND	1.00		ND	2.46			1
Acrylonitrile	ND	0.500		ND	1.09			1
Pentane	ND	0.200		ND	0.590			1
Ethyl ether	ND	0.200		ND	0.606			1
1,1-Dichloroethene	ND	0.200		ND	0.793			1



L2514248

Lab Number:

Project Name: BATCH CANISTER CERTIFICATION

Project Number: CANISTER QC BAT Report Date: 04/01/25

# **Air Canister Certification Results**

 Lab ID:
 L2514248-10
 Date Collected:
 03/13/25 10:00

 Client ID:
 CAN 503 SHELF 3
 Date Received:
 03/13/25

Client ID: CAN 503 SHELF 3 Date Received: 03/13/25
Sample Location: Field Prep: Not Specified

		ppbV		ug/m3		Dilution		
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Factor
Volatile Organics in Air - Mansf	ield Air Lab							
Tertiary butyl Alcohol	ND	0.500		ND	1.52			1
Methylene chloride	ND	0.500		ND	1.74			1
3-Chloropropene	ND	0.200		ND	0.626			1
Carbon disulfide	ND	0.200		ND	0.623			1
Freon-113	ND	0.200		ND	1.53			1
trans-1,2-Dichloroethene	ND	0.200		ND	0.793			1
1,1-Dichloroethane	ND	0.200		ND	0.809			1
Methyl tert butyl ether	ND	0.200		ND	0.721			1
Vinyl acetate	ND	1.00		ND	3.52			1
Xylenes, total	ND	0.600		ND	0.869			1
2-Butanone	ND	0.500		ND	1.47			1
cis-1,2-Dichloroethene	ND	0.200		ND	0.793			1
Ethyl Acetate	ND	0.500		ND	1.80			1
Chloroform	ND	0.200		ND	0.977			1
Tetrahydrofuran	ND	0.500		ND	1.47			1
2,2-Dichloropropane	ND	0.200		ND	0.924			1
1,2-Dichloroethane	ND	0.200		ND	0.809			1
n-Hexane	ND	0.200		ND	0.705			1
Diisopropyl ether	ND	0.200		ND	0.836			1
ert-Butyl Ethyl Ether	ND	0.200		ND	0.836			1
1,2-Dichloroethene (total)	ND	1.00		ND	1.00			1
1,1,1-Trichloroethane	ND	0.200		ND	1.09			1
1,1-Dichloropropene	ND	0.200		ND	0.908			1
Benzene	ND	0.200		ND	0.639			1
Carbon tetrachloride	ND	0.200		ND	1.26			1
Cyclohexane	ND	0.200		ND	0.688			1
tert-Amyl Methyl Ether	ND	0.200		ND	0.836			1



L2514248

Lab Number:

Project Name: BATCH CANISTER CERTIFICATION

Project Number: CANISTER QC BAT Report Date: 04/01/25

# **Air Canister Certification Results**

Lab ID: L2514248-10
Client ID: CAN 503 SHELF 3

Sample Location:

Date Collected: 03/13/25 10:00 Date Received: 03/13/25

Field Prep: Not Specified

Sample Depth:		ppbV			ug/m3		Dilution	
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Factor
Volatile Organics in Air - Mansfi	eld Air Lab							
Dibromomethane	ND	0.200		ND	1.42			1
1,2-Dichloropropane	ND	0.200		ND	0.924			1
Bromodichloromethane	ND	0.200		ND	1.34			1
1,4-Dioxane	ND	0.200		ND	0.721			1
richloroethene	ND	0.200		ND	1.07			1
2,2,4-Trimethylpentane	ND	0.200		ND	0.934			1
Methyl Methacrylate	ND	0.500		ND	2.05			1
Heptane	ND	0.200		ND	0.820			1
cis-1,3-Dichloropropene	ND	0.200		ND	0.908			1
I-Methyl-2-pentanone	ND	0.500		ND	2.05			1
rans-1,3-Dichloropropene	ND	0.200		ND	0.908			1
,1,2-Trichloroethane	ND	0.200		ND	1.09			1
Toluene	ND	0.200		ND	0.754			1
,3-Dichloropropane	ND	0.200		ND	0.924			1
2-Hexanone	ND	0.200		ND	0.820			1
Dibromochloromethane	ND	0.200		ND	1.70			1
1,2-Dibromoethane	ND	0.200		ND	1.54			1
Butyl acetate	ND	0.500		ND	2.38			1
Octane	ND	0.200		ND	0.934			1
Tetrachloroethene	ND	0.200		ND	1.36			1
1,1,1,2-Tetrachloroethane	ND	0.200		ND	1.37			1
Chlorobenzene	ND	0.200		ND	0.921			1
Ethylbenzene	ND	0.200		ND	0.869			1
o/m-Xylene	ND	0.400		ND	1.74			1
Bromoform	ND	0.200		ND	2.07			1
Styrene	ND	0.200		ND	0.852			1
1,1,2,2-Tetrachloroethane	ND	0.200		ND	1.37			1



Project Name: BATCH CANISTER CERTIFICATION

Project Number: CANISTER QC BAT Report Date: 04/01/25

# **Air Canister Certification Results**

Lab ID: L2514248-10
Client ID: CAN 503 SHELF 3

Sample Location:

Date Collected:

Lab Number:

03/13/25 10:00

Date Received:

03/13/25

L2514248

Field Prep: Not Specified

Sample Depth:		ppbV			ug/m3		Dilution	
Parameter	Results	RL	MDL	Results RL		MDL	Qualifier	Factor
Volatile Organics in Air - Mans	field Air Lab							
o-Xylene	ND	0.200		ND	0.869			1
1,2,3-Trichloropropane	ND	0.200		ND	1.21			1
Nonane	ND	0.200		ND	1.05			1
Isopropylbenzene	ND	0.200		ND	0.983			1
Bromobenzene	ND	0.200		ND	0.793			1
2-Chlorotoluene	ND	0.200		ND	1.04			1
n-Propylbenzene	ND	0.200		ND	0.983			1
4-Chlorotoluene	ND	0.200		ND	1.04			1
4-Ethyltoluene	ND	0.200		ND	0.983			1
1,3,5-Trimethylbenzene	ND	0.200		ND	0.983			1
ert-Butylbenzene	ND	0.200		ND	1.10			1
1,2,4-Trimethylbenzene	ND	0.200		ND	0.983			1
Decane	ND	0.200		ND	1.16			1
Benzyl chloride	ND	0.200		ND	1.04			1
1,3-Dichlorobenzene	ND	0.200		ND	1.20			1
1,4-Dichlorobenzene	ND	0.200		ND	1.20			1
sec-Butylbenzene	ND	0.200		ND	1.10			1
o-Isopropyltoluene	ND	0.200		ND	1.10			1
1,2-Dichlorobenzene	ND	0.200		ND	1.20			1
n-Butylbenzene	ND	0.200		ND	1.10			1
1,2-Dibromo-3-chloropropane	ND	0.200		ND	1.93			1
Undecane	ND	0.200		ND	1.28			1
Dodecane	ND	0.200		ND	1.39			1
1,2,4-Trichlorobenzene	ND	0.200		ND	1.48			1
Naphthalene	ND	0.200		ND	0.996			1
1,2,3-Trichlorobenzene	ND	0.200		ND	1.48			1
Hexachlorobutadiene	ND	0.200		ND	2.13			1



Project Name: BATCH CANISTER CERTIFICATION Lab Number: L2514248

Project Number: CANISTER QC BAT Report Date: 04/01/25

**Air Canister Certification Results** 

Lab ID: L2514248-10

Client ID: CAN 503 SHELF 3

Sample Location:

Date Collected:

03/13/25 10:00

Date Received:

03/13/25

Field Prep:

Not Specified

Sample Depth:

Parameter Results RL MDL Results RL MDL Qualifier Factor

Volatile Organics in Air - Mansfield Air Lab

Dilution
Results Qualifier Units RDL Factor

**Tentatively Identified Compounds** 

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	84		60-140



Project Name: BATCH CANISTER CERTIFICATION Lab Number: L2514248

Project Number: CANISTER QC BAT Report Date: 04/01/25

# **Air Canister Certification Results**

Lab ID: L2514248-10 Date Collected: 03/13/25 10:00

Client ID: CAN 503 SHELF 3 Date Received: 03/13/25
Sample Location: Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15-SIM Analytical Date: 03/15/25 23:59

Analyst: KJD

		ppbV		ug/m3				Dilution
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Factor
Volatile Organics in Air by SIM	l - Mansfield Air La	ab						
1,1,1,2-Tetrachloroethane	ND	0.020		ND	0.137			1
1,2,4-Trichlorobenzene	ND	0.050		ND	0.371			1
1,2,3-Trichlorobenzene	ND	0.050		ND	0.371			1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	113		60-140
bromochloromethane	108		60-140
chlorobenzene-d5	116		60-140



**Lab Number:** L2516429

**Report Date:** 04/01/25

Sample Receipt and Container Information

YES Were project specific reporting limits specified?

**Cooler Information** 

Custody Seal Cooler

NA Absent

Project Name: 34 STATE ST

Project Number: 13968

Container Info	rmation		Initial	Final	Temp		Frozen	
Container ID	Container Type	Cooler	pН	pН	deg C Pres	Seal	Date/Time	Analysis(*)
L2516429-01A	Canister - 2.7L (Batch Certified)	NA	NA		Υ	Absent		TO15-LL (30)



Project Name: 34 STATE ST Lab Number: L2516429

Project Number: 13968 Report Date: 04/01/25

#### **GLOSSARY**

#### **Acronyms**

LCSD

LOD

MS

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.

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.

- 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.)

Laboratory Control Sample Duplicate: Refer to LCS.

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

•

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.

- 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: Data Usability Report



Project Name:34 STATE STLab Number:L2516429Project Number:13968Report 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, Benzo(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.
- 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 concentrations of the analyte at less than ten times (10x) the 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).
- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- 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.
- ${\bf J} \qquad \hbox{-Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs)}.$
- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name:34 STATE STLab Number:L2516429Project Number:13968Report Date:04/01/25

#### **Data Qualifiers**

- **ND** Not detected at the reporting limit (RL) for the sample.
- 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.
- 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.)

Report Format: Data Usability Report



Project Name: 34 STATE ST

Lab Number: L2516429

Project Number: 13968

Report Date: 04/01/25

#### **REFERENCES**

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

## **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 LLC** 

Facility: Northeast

Department: Quality Assurance

Title: Certificate/Approval Program Summary

ID No.:**17873** Revision 27

Published Date: 01/24/2025

Page 1 of 2

## **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: lodomethane (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,

 ${\sf EPA~180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B}$ 

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 II, 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

Document Type: Form Pre-Qualtrax Document ID: 08-113

**Pace Analytical Services LLC** 

Facility: Northeast

Department: Quality Assurance

Title: Certificate/Approval Program Summary

ID No.:**17873** Revision 27

Published Date: 01/24/2025

Page 2 of 2

#### **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.

Document Type: Form

Pre-Qualtrax Document ID: 08-113

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### ANALYTICAL REPORT

Lab Number: L2525183

Client: Soils Engineering Services, Inc.

959 Route 46E

Parsippany, NJ 07054

ATTN: Joe Noonan Phone: (973) 808-9050

Project Name: 13968
Project Number: 13968
Report Date: 05/06/25

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).



Project Name: 13968 Project Number: 13968 
 Lab Number:
 L2525183

 Report Date:
 05/06/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2525183-01	EB-01 (2-2.5)	SOIL	34 STATE STREET, OSSINING, NY	04/23/25 09:40	04/24/25
L2525183-02	EB-02 (3-3.5)	SOIL	34 STATE STREET, OSSINING, NY	04/23/25 10:10	04/24/25
L2525183-03	EB-03 (2.5-3)	SOIL	34 STATE STREET, OSSINING, NY	04/23/25 10:30	04/24/25
L2525183-04	EB-04 (1.5-2)	SOIL	34 STATE STREET, OSSINING, NY	04/23/25 10:50	04/24/25
L2525183-05	EB-05 (4.5-5)	SOIL	34 STATE STREET, OSSINING, NY	04/23/25 11:15	04/24/25
L2525183-06	EB-06 (7-7.5)	SOIL	34 STATE STREET, OSSINING, NY	04/23/25 11:35	04/24/25
L2525183-07	EB-07 (4-4.5)	SOIL	34 STATE STREET, OSSINING, NY	04/23/25 11:50	04/24/25
L2525183-08	EB-08 (3.5-4)	SOIL	34 STATE STREET, OSSINING, NY	04/23/25 12:10	04/24/25
L2525183-09	EB-09 (4.5-5)	SOIL	34 STATE STREET, OSSINING, NY	04/23/25 13:15	04/24/25



 Project Name:
 13968
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#### **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:** 

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Lab Number:

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## **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.

## Volatile Organics

L2525183-08: The internal standard (IS) response(s) for 1,4-dichlorobenzene-d4 (41%) was below the acceptance criteria; however, re-analysis achieved the following results: 1,4-dichlorobenzene-d4 (43%). The results of both analyses are reported.

### Semivolatile Organics

L2525183-08D and -09D: The sample has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

L2525183-08D and -09D: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%) and 4-terphenyld14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

#### **Total Metals**

L2525183-01 through -09: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG2060766-3 MS recoveries performed on L2525183-01 do not apply for aluminum (415%), calcium (0%), iron (1500%), magnesium (288%) and manganese (62%) because the sample concentrations are greater than four times the spike amounts added.

The WG2060766-3 MS recovery performed on L2525183-01 is outside the acceptance criteria for antimony (32%). A post digestion spike was performed and was within acceptance criteria.

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.

Cattlin Wallet Caitlin Walukevich

Authorized Signature:

Title: Technical Director/Representative

Date: 05/06/25



# **ORGANICS**



# **VOLATILES**



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-01 Date Collected: 04/23/25 09:40

Client ID: EB-01 (2-2.5) Date Received: 04/24/25
Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/02/25 16:16

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	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.12	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	0.24	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.92	0.50	1
Ethylbenzene	ND		ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-01 Date Collected: 04/23/25 09:40

Client ID: EB-01 (2-2.5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low	- Westborough Lab					
Trichloroethene	ND		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.92	0.27	1
Xylenes, Total	ND		ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.92	0.13	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.84	1
Acetone	ND		ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	ND		ug/kg	9.2	2.0	1
Vinyl acetate	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.2	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.92	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.92	0.15	1
sec-Butylbenzene	ND		ug/kg	0.92	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.18	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.92	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.0	1



**Project Name:** 13968 Lab Number: L2525183

**Project Number:** 13968 **Report Date:** 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-01 Date Collected: 04/23/25 09:40

Date Received: Client ID: 04/24/25 EB-01 (2-2.5)

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

**Tentatively Identified Compounds** 

No Tentatively Identified Compounds

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low	- Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.92	0.16	1	
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1	
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1	
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1	
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1	
1,4-Dioxane	ND		ug/kg	74	32.	1	
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1	
p-Ethyltoluene	ND		ug/kg	1.8	0.35	1	
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.18	1	
Ethyl ether	ND		ug/kg	1.8	0.31	1	
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1	

ND

Acceptance Surrogate % Recovery Qualifier Criteria 1,2-Dichloroethane-d4 109 70-130 Toluene-d8 100 70-130 4-Bromofluorobenzene 101 70-130 70-130 Dibromofluoromethane 107

ug/kg



1

Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-02 Date Collected: 04/23/25 10:10

Client ID: EB-02 (3-3.5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/02/25 16:37

Analyst: JIC Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low	- Westborough Lab					
Methylene chloride	ND		ug/kg	6.5	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	ND		ug/kg	0.65	0.25	1
Chlorobenzene	ND		ug/kg	0.65	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.90	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.65	0.22	1
Bromodichloromethane	ND		ug/kg	0.65	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.65	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.65	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.65	0.21	1
Bromoform	ND		ug/kg	5.2	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.65	0.22	1
Benzene	ND		ug/kg	0.65	0.22	1
Toluene	ND		ug/kg	1.3	0.71	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.2	1.2	1
Bromomethane	ND		ug/kg	2.6	0.76	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.59	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-02 Date Collected: 04/23/25 10:10

Client ID: EB-02 (3-3.5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Volatile Organics by EPA 5035 Low - Westborough Lab	Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1.2-Dichlorobenzene ND ug/kg 2.6 0.19 1 1.3-Dichlorobenzene ND ug/kg 2.6 0.29 1 1.4-Dichlorobenzene ND ug/kg 2.6 0.22 1 1.4-Dichlorobenzene ND ug/kg 2.6 0.22 1 1.4-Dichlorobenzene ND ug/kg 2.6 0.22 1 1.4-Dichlorobenzene ND ug/kg 2.6 0.23 1 1.4-Dichlorobenzene ND ug/kg 2.6 0.73 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.38 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.38 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.38 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.38 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.38 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.38 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.38 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.38 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.38 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.48 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.55 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.55 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.55 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.59 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.59 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.59 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.59 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.59 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.36 1 1.5-Dichloropenzene ND ug/kg 1.3 0.36 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.44 1 1.5-Di	Volatile Organics by EPA 5035 L	ow - Westborough Lab					
1.2-Dichlorobenzene ND ug/kg 2.6 0.19 1 1.3-Dichlorobenzene ND ug/kg 2.6 0.29 1 1.4-Dichlorobenzene ND ug/kg 2.6 0.22 1 1.4-Dichlorobenzene ND ug/kg 2.6 0.22 1 1.4-Dichlorobenzene ND ug/kg 2.6 0.22 1 1.4-Dichlorobenzene ND ug/kg 2.6 0.23 1 1.4-Dichlorobenzene ND ug/kg 2.6 0.73 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.38 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.38 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.38 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.38 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.38 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.38 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.38 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.38 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.38 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.48 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.55 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.55 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.55 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.59 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.59 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.59 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.59 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.59 1 1.5-Dichlorobenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.59 1 1.5-Dichloropenzene ND ug/kg 1.3 0.36 1 1.5-Dichloropenzene ND ug/kg 1.3 0.36 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.99 1 1.5-Dichloropenzene ND ug/kg 1.3 0.44 1 1.5-Di	Tricklanasthana	ND			0.05	0.40	4
1,3-Dichlorobenzene         ND         ug/kg         2.6         0.19         1           1,4-Dichlorobenzene         ND         ug/kg         2.6         0.22         1           Methyl tert butyl ether         ND         ug/kg         2.6         0.73         1           p/m-Xylene         ND         ug/kg         1.3         0.38         1           o-Xylene         ND         ug/kg         1.3         0.38         1           Xylenes, Total         ND         ug/kg         1.3         0.38         1           1,2-Dichlorothene         ND         ug/kg         1.3         0.23         1           1,2-Dichlorothene, Total         ND         ug/kg         1.3         0.28         1           1,2-Dichlorothene, Total         ND         ug/kg         1.3         0.25         1           Dibromethane         ND         ug/kg         1.3         0.25         1           Dibromethane         ND         ug/kg         1.3         0.25         1           Acetone         ND         ug/kg         1.3         5.9         1           Carbon disulfide         ND         ug/kg         13         2.9         1 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
1,4-Dichlorobenzene         ND         ugkg         2.6         0.22         1           Methyl tert bulyl ether         ND         ugkg         2.6         0.26         1           p/m-Xylene         ND         ugkg         2.6         0.73         1           cxylene         ND         ugkg         1.3         0.38         1           Xylenes, Total         ND         ugkg         1.3         0.38         1           Xylenes, Total         ND         ugkg         1.3         0.23         1           1,2-Dichloroethene, Total         ND         ugkg         1.3         0.23         1           Dbromomethane         ND         ugkg         1.3         0.18         1           Dbromomethane         ND         ugkg         1.3         0.25         1           Dbromomethane         ND         ugkg         1.3         0.25         1           Carbon disulfide         ND         ugkg         13         1.2         1           Carbon disulfide         ND         ugkg         13         2.9         1           Viryl acetate         ND         ugkg         13         1.7         1	<u> </u>						
Methyl tert butyl ether         ND         ug/kg         2.6         0.26         1           p/m-Xylene         ND         ug/kg         2.6         0.73         1           o-Xylene         ND         ug/kg         1.3         0.38         1           xylenes, Total         ND         ug/kg         1.3         0.38         1           cis-1,2-Dichloroethene         ND         ug/kg         1.3         0.23         1           1,2-Dichloroethene, Total         ND         ug/kg         2.6         0.31         1           Dibromemethane         ND         ug/kg         2.6         0.31         1           Styrene         ND         ug/kg         1.3         0.25         1           Dichorodifluoromethane         ND         ug/kg         13         1.2         1           Acetone         ND         ug/kg         13         6.2         1           Carbon disulfide         ND         ug/kg         13         5.9         1           2-Butanone         ND         ug/kg         13         2.9         1           4-Methyl-2-pentanone         ND         ug/kg         13         1.7         1	<u> </u>						
p/m-xylene         ND         ug/kg         2.6         0.73         1           o-xylene         ND         ug/kg         1.3         0.38         1           Xylenes, Total         ND         ug/kg         1.3         0.38         1           Lylenbloredhene         ND         ug/kg         1.3         0.23         1           1.2-Dichloredhene, Total         ND         ug/kg         1.3         0.18         1           Dibromomethane         ND         ug/kg         1.3         0.25         1           Styrene         ND         ug/kg         1.3         0.25         1           Dichlorodifluoromethane         ND         ug/kg         1.3         0.25         1           Acetone         ND         ug/kg         1.3         0.25         1           Carbon disulfide         ND         ug/kg         13         6.2         1           Carbon disulfide         ND         ug/kg         13         5.9         1           Carbon disulfide         ND         ug/kg         13         2.8         1           Carbon disulfide         ND         ug/kg         13         2.8         1 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
o-Xylene         ND         ug/kg         1.3         0.38         1           Xylenes, Total         ND         ug/kg         1.3         0.38         1           cis-1,2-Dichloroethene         ND         ug/kg         1.3         0.23         1           L2-Dichloroethene, Total         ND         ug/kg         1.3         0.18         1           Dibromomethane         ND         ug/kg         2.6         0.31         1           Styrene         ND         ug/kg         1.3         0.25         1           Dichlorodiflurormethane         ND         ug/kg         1.3         0.25         1           Acetone         ND         ug/kg         1.3         0.25         1           Carbon disulfide         ND         ug/kg         13         6.2         1           2-Butanone         ND         ug/kg         13         5.9         1           Vinyl acetate         ND         ug/kg         13         1.7         1           4-Methyl-2-pentanone         ND         ug/kg         1.3         1.7         1           1-2-3-Trichloropropane         ND         ug/kg         2.6         0.27         1      <							
Xylenes, Total         ND         ug/kg         1.3         0.38         1           cis-1,2-Dichloroethene         ND         ug/kg         1.3         0.23         1           1,2-Dichloroethene, Total         ND         ug/kg         1.3         0.18         1           Dibromomethane         ND         ug/kg         1.3         0.25         1           Styrene         ND         ug/kg         1.3         0.25         1           Dichlorodifluoromethane         ND         ug/kg         13         0.25         1           Dichlorodifluoromethane         ND         ug/kg         13         6.2         1           Acetone         ND         ug/kg         13         6.2         1           Carbon disulfide         ND         ug/kg         13         2.9         1           Carbon disulfide         ND         ug/kg         13         2.9         1           2-Butanone         ND         ug/kg         13         2.9         1           Viryl acetate         ND         ug/kg         13         2.8         1           4-Methyl-2-pentanone         ND         ug/kg         2.6         0.16         1							
cis-1,2-Dichloroethene         ND         ug/kg         1.3         0.23         1           1,2-Dichloroethene, Total         ND         ug/kg         1.3         0.18         1           Dibromomethane         ND         ug/kg         2.6         0.31         1           Styrene         ND         ug/kg         1.3         0.25         1           Dichlorodifluoromethane         ND         ug/kg         1.3         0.25         1           Acetone         ND         ug/kg         1.3         0.25         1           Carbon disulfide         ND         ug/kg         13         6.2         1           Carbon disulfide         ND         ug/kg         13         6.2         1           Carbon disulfide         ND         ug/kg         13         2.9         1           2-Butanone         ND         ug/kg         13         2.9         1           Vilya acetate         ND         ug/kg         13         1.7         1           4-Methyl-2-pentanone         ND         ug/kg         13         1.7         1           1,2-3-Tichloropropane         ND         ug/kg         2.6         0.16         1							
1,2-Dichloroethene, Total         ND         ug/kg         1.3         0.18         1           Dibromomethane         ND         ug/kg         2.6         0.31         1           Styrene         ND         ug/kg         1.3         0.25         1           Dichlorodifluoromethane         ND         ug/kg         13         1.2         1           Acetone         ND         ug/kg         13         1.2         1           Acetone         ND         ug/kg         13         5.9         1           2-Butanone         ND         ug/kg         13         5.9         1           2-Butanone         ND         ug/kg         13         2.9         1           Vinyl acetate         ND         ug/kg         13         2.9         1           Vinyl acetate         ND         ug/kg         13         1.7         1           1.2-3-Trichloropropane         ND         ug/kg         2.6         0.16         1           1.2-2-Hexanone         ND         ug/kg         2.6         0.27         1           2-2-Dichloropropane         ND         ug/kg         2.6         0.26         1           1,2-Dib							
Dibromomethane         ND         ug/kg         2.6         0.31         1           Styrene         ND         ug/kg         1.3         0.25         1           Dichlorodifluoromethane         ND         ug/kg         13         1.2         1           Acetone         ND         ug/kg         13         6.2         1           Carbon disulfide         ND         ug/kg         13         6.9         1           Subtanone         ND         ug/kg         13         2.9         1           Vinyl acetate         ND         ug/kg         13         2.9         1           Vinyl acetate         ND         ug/kg         13         2.8         1           4-Methyl-2-pentanone         ND         ug/kg         13         1.7         1           4-Methyl-2-pentanone         ND         ug/kg         2.6         0.16         1           1,2-3-Trichloropropane         ND         ug/kg         2.6         0.16         1           1,2-2-Trichloropropane         ND         ug/kg         2.6         0.26         1           1,2-Dibromoethane         ND         ug/kg         2.6         0.22         1	· · · · · · · · · · · · · · · · · · ·						
Styrene         ND         ug/kg         1.3         0.25         1           Dichlorodiffluoromethane         ND         ug/kg         13         1.2         1           Acetone         ND         ug/kg         13         6.2         1           Carbon disulfide         ND         ug/kg         13         5.9         1           2-Butanone         ND         ug/kg         13         2.9         1           Vinyl acetate         ND         ug/kg         13         2.9         1           4-Methyl-2-pentanone         ND         ug/kg         13         1.7         1           4-Methyl-2-pentanone         ND         ug/kg         13         1.7         1           1,2,3-Trichloropropane         ND         ug/kg         2.6         0.16         1           2-Hexanone         ND         ug/kg         2.6         0.16         1           2-Hexanone         ND         ug/kg         2.6         0.27         1           2-Lebranone         ND         ug/kg         2.6         0.27         1           2-Lebranone         ND         ug/kg         2.6         0.26         1           1,2-Dibror							
Dichlorodifluoromethane         ND         ug/kg         13         1.2         1           Acetone         ND         ug/kg         13         6.2         1           Carbon disulfide         ND         ug/kg         13         5.9         1           2-Butanone         ND         ug/kg         13         2.9         1           Vinyl acetate         ND         ug/kg         13         2.8         1           Vinyl acetate         ND         ug/kg         13         1.7         1           4Methyl-2-pentanone         ND         ug/kg         13         1.7         1           1,2,3-Trichloropropane         ND         ug/kg         2.6         0.16         1           2-Hexanone         ND         ug/kg         2.6         0.16         1           2-Hexanone         ND         ug/kg         2.6         0.27         1           Bromochloromethane         ND         ug/kg         2.6         0.27         1           1,2-Dicropropane         ND         ug/kg         1.3         0.36         1           1,2-Dicropropane         ND         ug/kg         2.6         0.22         1 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
Acetone         ND         ug/kg         13         6.2         1           Carbon disulfide         ND         ug/kg         13         5.9         1           2-Butanone         ND         ug/kg         13         2.9         1           Vinyl acetate         ND         ug/kg         13         2.8         1           4-Methyl-2-pentanone         ND         ug/kg         13         1.7         1           1,2,3-Trichloropropane         ND         ug/kg         2.6         0.16         1           2-Hexanone         ND         ug/kg         2.6         0.16         1           2-Hexanone         ND         ug/kg         2.6         0.27         1           Bromochloromethane         ND         ug/kg         2.6         0.27         1           1,2-Dibroropopane         ND         ug/kg         2.6         0.26         1           1,2-Dibromoethane         ND         ug/kg         1.3         0.36         1           1,3-Dichloropropane         ND         ug/kg         2.6         0.22         1           1,1,1,2-Tetrachloroethane         ND         ug/kg         2.6         0.17         1							
Carbon disulfide         ND         ug/kg         13         5.9         1           2-Butanone         ND         ug/kg         13         2.9         1           Vinyl acetate         ND         ug/kg         13         2.8         1           4-Methyl-2-pentanone         ND         ug/kg         13         1.7         1           1,2,3-Trichloropropane         ND         ug/kg         2.6         0.16         1           2-Hexanone         ND         ug/kg         13         1.5         1           Bromochloromethane         ND         ug/kg         2.6         0.27         1           2,2-Dichloropropane         ND         ug/kg         2.6         0.26         1           1,2-Dibromoethane         ND         ug/kg         2.6         0.26         1           1,3-Dichloropropane         ND         ug/kg         2.6         0.22         1           1,1-1,2-Tetrachloroethane         ND         ug/kg         2.6         0.22         1           Bromobenzene         ND         ug/kg         2.6         0.17         1           Bromobenzene         ND         ug/kg         1.3         0.19         1     <							
2-Butanone         ND         ug/kg         13         2.9         1           Vinyl acetate         ND         ug/kg         13         2.8         1           4-Methyl-2-pentanone         ND         ug/kg         13         1.7         1           1,2,3-Trichloropropane         ND         ug/kg         2.6         0.16         1           2-Hexanone         ND         ug/kg         13         1.5         1           Bromochloromethane         ND         ug/kg         2.6         0.27         1           2,2-Dichloropropane         ND         ug/kg         2.6         0.26         1           1,2-Dibromoethane         ND         ug/kg         1.3         0.36         1           1,3-Dichloropropane         ND         ug/kg         2.6         0.26         1           1,1-1,1-2-Tetrachloroethane         ND         ug/kg         2.6         0.22         1           Bromobenzene         ND         ug/kg         2.6         0.17         1           Bromobenzene         ND         ug/kg         2.6         0.19         1           sec-Butylbenzene         ND         ug/kg         1.3         0.19         1							
Vinyl acetate         ND         ug/kg         13         2.8         1           4-Methyl-2-pentanone         ND         ug/kg         13         1.7         1           1.2,3-Trichloropropane         ND         ug/kg         2.6         0.16         1           2-Hexanone         ND         ug/kg         13         1.5         1           Bromochloromethane         ND         ug/kg         2.6         0.27         1           2,2-Dichloropropane         ND         ug/kg         2.6         0.26         1           1,2-Dibromoethane         ND         ug/kg         1.3         0.36         1           1,3-Dichloropropane         ND         ug/kg         2.6         0.22         1           1,1,1,2-Tetrachloroethane         ND         ug/kg         2.6         0.22         1           1,1,1,2-Tetrachloroethane         ND         ug/kg         2.6         0.17         1           Bromobenzene         ND         ug/kg         2.6         0.19         1           n-Butylbenzene         ND         ug/kg         1.3         0.22         1           sec-Butylbenzene         ND         ug/kg         2.6         0.15							
4-Methyl-2-pentanone         ND         ug/kg         13         1.7         1           1,2,3-Trichloropropane         ND         ug/kg         2.6         0.16         1           2-Hexanone         ND         ug/kg         13         1.5         1           Bromochloromethane         ND         ug/kg         2.6         0.27         1           2,2-Dichloropropane         ND         ug/kg         2.6         0.26         1           1,2-Dibromoethane         ND         ug/kg         1.3         0.36         1           1,3-Dichloropropane         ND         ug/kg         2.6         0.22         1           1,1,1,2-Tetrachloroethane         ND         ug/kg         0.65         0.17         1           Bromobenzene         ND         ug/kg         2.6         0.19         1           n-Butylbenzene         ND         ug/kg         1.3         0.22         1           n-Butylbenzene         ND         ug/kg         1.3         0.19         1           tert-Butylbenzene         ND         ug/kg         2.6         0.15         1           ec-Butylbenzene         ND         ug/kg         2.6         0.15							
1,2,3-Trichloropropane         ND         ug/kg         2.6         0.16         1           2-Hexanone         ND         ug/kg         13         1.5         1           Bromochloromethane         ND         ug/kg         2.6         0.27         1           2,2-Dichloropropane         ND         ug/kg         2.6         0.26         1           1,2-Dibromoethane         ND         ug/kg         1.3         0.36         1           1,3-Dichloropropane         ND         ug/kg         2.6         0.22         1           1,1,1,2-Tetrachloroethane         ND         ug/kg         0.65         0.17         1           Bromobenzene         ND         ug/kg         2.6         0.19         1           n-Butylbenzene         ND         ug/kg         1.3         0.22         1           n-Butylbenzene         ND         ug/kg         1.3         0.19         1           tetr-Butylbenzene         ND         ug/kg         1.3         0.19         1           tetr-Butylbenzene         ND         ug/kg         2.6         0.15         1           o-Chlorotoluene         ND         ug/kg         2.6         0.14         <						2.8	
2-Hexanone         ND         ug/kg         13         1.5         1           Bromochloromethane         ND         ug/kg         2.6         0.27         1           2,2-Dichloropropane         ND         ug/kg         2.6         0.26         1           1,2-Dibromoethane         ND         ug/kg         1.3         0.36         1           1,3-Dichloropropane         ND         ug/kg         2.6         0.22         1           1,1,1,2-Tetrachloroethane         ND         ug/kg         0.65         0.17         1           Bromobenzene         ND         ug/kg         2.6         0.19         1           n-Butylbenzene         ND         ug/kg         1.3         0.22         1           n-Butylbenzene         ND         ug/kg         1.3         0.22         1           sec-Butylbenzene         ND         ug/kg         1.3         0.19         1           tetr-Butylbenzene         ND         ug/kg         2.6         0.15         1           o-Chlorotoluene         ND         ug/kg         2.6         0.15         1           p-Chlorotoluene         ND         ug/kg         3.9         1.3         1	4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
Bromochloromethane   ND	1,2,3-Trichloropropane	ND		ug/kg	2.6	0.16	1
2,2-Dichloropropane         ND         ug/kg         2.6         0.26         1           1,2-Dibromoethane         ND         ug/kg         1.3         0.36         1           1,3-Dichloropropane         ND         ug/kg         2.6         0.22         1           1,1,1,2-Tetrachloroethane         ND         ug/kg         0.65         0.17         1           Bromobenzene         ND         ug/kg         2.6         0.19         1           n-Butylbenzene         ND         ug/kg         1.3         0.22         1           sec-Butylbenzene         ND         ug/kg         1.3         0.19         1           tert-Butylbenzene         ND         ug/kg         2.6         0.15         1           o-Chlorotoluene         ND         ug/kg         2.6         0.15         1           o-Chlorotoluene         ND         ug/kg         2.6         0.14         1           1,2-Dibromo-3-chloropropane         ND         ug/kg         3.9         1.3         1           Hexachlorobutadiene         ND         ug/kg         5.2         0.22         1           Isopropyltoluene         ND         ug/kg         1.3         0.14 </td <td>2-Hexanone</td> <td>ND</td> <td></td> <td>ug/kg</td> <td>13</td> <td>1.5</td> <td>1</td>	2-Hexanone	ND		ug/kg	13	1.5	1
1,2-Dibromoethane         ND         ug/kg         1.3         0.36         1           1,3-Dichloropropane         ND         ug/kg         2.6         0.22         1           1,1,1,2-Tetrachloroethane         ND         ug/kg         0.65         0.17         1           Bromobenzene         ND         ug/kg         2.6         0.19         1           n-Butylbenzene         ND         ug/kg         1.3         0.22         1           sec-Butylbenzene         ND         ug/kg         1.3         0.19         1           sec-Butylbenzene         ND         ug/kg         1.3         0.19         1           tert-Butylbenzene         ND         ug/kg         2.6         0.15         1           o-Chlorotoluene         ND         ug/kg         2.6         0.15         1           o-Chlorotoluene         ND         ug/kg         2.6         0.14         1           1,2-Dibromo-3-chloropropane         ND         ug/kg         3.9         1.3         1           Hexachlorobutadiene         ND         ug/kg         5.2         0.22         1           Isopropylbenzene         ND         ug/kg         1.3         0.14	Bromochloromethane	ND		ug/kg	2.6	0.27	1
1,3-Dichloropropane       ND       ug/kg       2.6       0.22       1         1,1,1,2-Tetrachloroethane       ND       ug/kg       0.65       0.17       1         Bromobenzene       ND       ug/kg       2.6       0.19       1         n-Butylbenzene       ND       ug/kg       1.3       0.22       1         sec-Butylbenzene       ND       ug/kg       1.3       0.19       1         tert-Butylbenzene       ND       ug/kg       2.6       0.15       1         o-Chlorotoluene       ND       ug/kg       2.6       0.25       1         p-Chlorotoluene       ND       ug/kg       2.6       0.14       1         1,2-Dibromo-3-chloropropane       ND       ug/kg       3.9       1.3       1         Hexachlorobutadiene       ND       ug/kg       5.2       0.22       1         Isopropylbenzene       ND       ug/kg       1.3       0.14       1         p-Isopropyltoluene       ND       ug/kg       1.3       0.14       1         ND       ug/kg       5.2       0.84       1	2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,1,1,2-Tetrachloroethane         ND         ug/kg         0.65         0.17         1           Bromobenzene         ND         ug/kg         2.6         0.19         1           n-Butylbenzene         ND         ug/kg         1.3         0.22         1           sec-Butylbenzene         ND         ug/kg         1.3         0.19         1           tert-Butylbenzene         ND         ug/kg         2.6         0.15         1           o-Chlorotoluene         ND         ug/kg         2.6         0.25         1           p-Chlorotoluene         ND         ug/kg         2.6         0.14         1           1,2-Dibromo-3-chloropropane         ND         ug/kg         3.9         1.3         1           Hexachlorobutadiene         ND         ug/kg         5.2         0.22         1           Isopropylbenzene         ND         ug/kg         1.3         0.14         1           p-Isopropyltoluene         ND         ug/kg         5.2         0.84         1           Naphthalene         ND         ug/kg         5.2         0.84         1	1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
Bromobenzene         ND         ug/kg         2.6         0.19         1           n-Butylbenzene         ND         ug/kg         1.3         0.22         1           sec-Butylbenzene         ND         ug/kg         1.3         0.19         1           tert-Butylbenzene         ND         ug/kg         2.6         0.15         1           o-Chlorotoluene         ND         ug/kg         2.6         0.25         1           p-Chlorotoluene         ND         ug/kg         2.6         0.14         1           1,2-Dibromo-3-chloropropane         ND         ug/kg         3.9         1.3         1           Hexachlorobutadiene         ND         ug/kg         5.2         0.22         1           Isopropylbenzene         ND         ug/kg         1.3         0.14         1           p-Isopropyltoluene         ND         ug/kg         1.3         0.14         1           Naphthalene         ND         ug/kg         5.2         0.84         1	1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
n-Butylbenzene         ND         ug/kg         1.3         0.22         1           sec-Butylbenzene         ND         ug/kg         1.3         0.19         1           tert-Butylbenzene         ND         ug/kg         2.6         0.15         1           o-Chlorotoluene         ND         ug/kg         2.6         0.25         1           p-Chlorotoluene         ND         ug/kg         2.6         0.14         1           1,2-Dibromo-3-chloropropane         ND         ug/kg         3.9         1.3         1           Hexachlorobutadiene         ND         ug/kg         5.2         0.22         1           Isopropylbenzene         ND         ug/kg         1.3         0.14         1           p-Isopropyltoluene         ND         ug/kg         1.3         0.14         1           Naphthalene         ND         ug/kg         5.2         0.84         1	1,1,1,2-Tetrachloroethane	ND		ug/kg	0.65	0.17	1
sec-Butylbenzene         ND         ug/kg         1.3         0.19         1           tert-Butylbenzene         ND         ug/kg         2.6         0.15         1           o-Chlorotoluene         ND         ug/kg         2.6         0.25         1           p-Chlorotoluene         ND         ug/kg         2.6         0.14         1           1,2-Dibromo-3-chloropropane         ND         ug/kg         3.9         1.3         1           Hexachlorobutadiene         ND         ug/kg         5.2         0.22         1           Isopropylbenzene         ND         ug/kg         1.3         0.14         1           p-Isopropyltoluene         ND         ug/kg         1.3         0.14         1           Naphthalene         ND         ug/kg         5.2         0.84         1	Bromobenzene	ND		ug/kg	2.6	0.19	1
tert-Butylbenzene         ND         ug/kg         2.6         0.15         1           o-Chlorotoluene         ND         ug/kg         2.6         0.25         1           p-Chlorotoluene         ND         ug/kg         2.6         0.14         1           1,2-Dibromo-3-chloropropane         ND         ug/kg         3.9         1.3         1           Hexachlorobutadiene         ND         ug/kg         5.2         0.22         1           Isopropylbenzene         ND         ug/kg         1.3         0.14         1           p-Isopropyltoluene         ND         ug/kg         1.3         0.14         1           Naphthalene         ND         ug/kg         5.2         0.84         1	n-Butylbenzene	ND		ug/kg	1.3	0.22	1
o-Chlorotoluene         ND         ug/kg         2.6         0.25         1           p-Chlorotoluene         ND         ug/kg         2.6         0.14         1           1,2-Dibromo-3-chloropropane         ND         ug/kg         3.9         1.3         1           Hexachlorobutadiene         ND         ug/kg         5.2         0.22         1           Isopropylbenzene         ND         ug/kg         1.3         0.14         1           p-Isopropyltoluene         ND         ug/kg         1.3         0.14         1           Naphthalene         ND         ug/kg         5.2         0.84         1	sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
p-Chlorotoluene         ND         ug/kg         2.6         0.14         1           1,2-Dibromo-3-chloropropane         ND         ug/kg         3.9         1.3         1           Hexachlorobutadiene         ND         ug/kg         5.2         0.22         1           Isopropylbenzene         ND         ug/kg         1.3         0.14         1           p-Isopropyltoluene         ND         ug/kg         1.3         0.14         1           Naphthalene         ND         ug/kg         5.2         0.84         1	tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
1,2-Dibromo-3-chloropropane       ND       ug/kg       3.9       1.3       1         Hexachlorobutadiene       ND       ug/kg       5.2       0.22       1         Isopropylbenzene       ND       ug/kg       1.3       0.14       1         p-Isopropyltoluene       ND       ug/kg       1.3       0.14       1         Naphthalene       ND       ug/kg       5.2       0.84       1	o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
Hexachlorobutadiene         ND         ug/kg         5.2         0.22         1           Isopropylbenzene         ND         ug/kg         1.3         0.14         1           p-Isopropyltoluene         ND         ug/kg         1.3         0.14         1           Naphthalene         ND         ug/kg         5.2         0.84         1	p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
Isopropylbenzene         ND         ug/kg         1.3         0.14         1           p-Isopropyltoluene         ND         ug/kg         1.3         0.14         1           Naphthalene         ND         ug/kg         5.2         0.84         1	1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	1.3	1
p-Isopropyltoluene         ND         ug/kg         1.3         0.14         1           Naphthalene         ND         ug/kg         5.2         0.84         1	Hexachlorobutadiene	ND		ug/kg	5.2	0.22	1
Naphthalene ND ug/kg 5.2 0.84 1	Isopropylbenzene	ND		ug/kg	1.3	0.14	1
	p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Acrylonitrile ND ug/kg 5.2 1.5 1	Naphthalene	ND		ug/kg	5.2	0.84	1
	Acrylonitrile	ND		ug/kg	5.2	1.5	1



**Project Name:** Lab Number: 13968 L2525183

**Project Number:** Report Date: 13968 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-02 Date Collected: 04/23/25 10:10

Client ID: Date Received: 04/24/25 EB-02 (3-3.5)

34 STATE STREET, OSSINING, NY Sample Location: Field Prep: Not Specified

Sample Depth:

Tentatively Identified Compounds

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low - We	estborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1	
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1	
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1	
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1	
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1	
1,4-Dioxane	ND		ug/kg	100	46.	1	
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1	
p-Ethyltoluene	ND		ug/kg	2.6	0.50	1	
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1	
Ethyl ether	ND		ug/kg	2.6	0.44	1	
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.5	1.8	1	

No Tentatively Identified Compounds	ND	ug/kg	

Surrogate	% Recovery	Qualifier	Acceptance Criteria
		Quamer	
1,2-Dichloroethane-d4 Toluene-d8	104 99		70-130 70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

ug/kg



1

Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-03 Date Collected: 04/23/25 10:30

Client ID: EB-03 (2.5-3) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/02/25 16:58

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	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-03 Date Collected: 04/23/25 10:30

Client ID: EB-03 (2.5-3) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035	Low - Westborough Lab					
T: 11	ND		4	0.50	0.14	
Trichloroethene	ND		ug/kg	0.50	0.14	<u> </u>
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	<u> </u>
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	<u> </u>
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	ND		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	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	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.65	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1
			-			



**Project Name:** 13968 Lab Number: L2525183

**Project Number:** 13968 **Report Date:** 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-03 Date Collected: 04/23/25 10:30

Date Received: Client ID: 04/24/25 EB-03 (2.5-3)

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

No Tentatively Identified Compounds

Dibromofluoromethane

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low	- Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	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	0.34	1	
1,4-Dioxane	ND		ug/kg	80	35.	1	
p-Diethylbenzene	ND		ug/kg	2.0	0.18	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	0.34	1	
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1	

entatively Identified Compounds

ND

ug/kg Acceptance Surrogate % Recovery Qualifier Criteria 1,2-Dichloroethane-d4 103 70-130 Toluene-d8 99 70-130 4-Bromofluorobenzene 98 70-130

105



1

70-130

Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-04 Date Collected: 04/23/25 10:50

Client ID: EB-04 (1.5-2) Date Received: 04/24/25
Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/02/25 17:18

Analyst: JIC Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low	- Westborough Lab					
Methylene chloride	ND		ug/kg	4.7	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.7	0.87	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.94	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-04 Date Collected: 04/23/25 10:50

Client ID: EB-04 (1.5-2) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westb	orough Lab					
Trichloroethene	ND			0.47	0.13	4
	ND		ug/kg	0.47		1
1,2-Dichlorobenzene	ND ND		ug/kg	1.9	0.13	1
1,3-Dichlorobenzene			ug/kg	1.9		1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.52	1
o-Xylene	ND		ug/kg	0.94	0.27	1
Xylenes, Total	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	ND		ug/kg	9.4	4.5	
Carbon disulfide	ND		ug/kg	9.4	4.2	1
2-Butanone	ND		ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.93	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.7	0.61	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-04 Date Collected: 04/23/25 10:50

Client ID: EB-04 (1.5-2) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low	- Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.94	0.16	1	
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1	
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.25	1	
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1	
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1	
1,4-Dioxane	ND		ug/kg	75	33.	1	
p-Diethylbenzene	ND		ug/kg	1.9	0.16	1	
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1	
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1	
Ethyl ether	ND		ug/kg	1.9	0.32	1	
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1	

Tentatively	Identified Compounds
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No Tentatively Identified Compounds	ND	ua/ka	1

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	106	70-130	
Toluene-d8	98	70-130	
4-Bromofluorobenzene	100	70-130	
Dibromofluoromethane	106	70-130	



**Project Name:** 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-05 Date Collected: 04/23/25 11:15

Client ID: EB-05 (4.5-5) Date Received: 04/24/25
Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/02/25 17:39

Analyst: JIC Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low	- Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1	
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1	
Chloroform	ND		ug/kg	1.6	0.15	1	
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1	
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1	
Dibromochloromethane	ND		ug/kg	1.1	0.15	1	
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1	
Tetrachloroethene	ND		ug/kg	0.55	0.22	1	
Chlorobenzene	ND		ug/kg	0.55	0.14	1	
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1	
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1	
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1	
Bromodichloromethane	ND		ug/kg	0.55	0.12	1	
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1	
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1	
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1	
1,1-Dichloropropene	ND		ug/kg	0.55	0.17	1	
Bromoform	ND		ug/kg	4.4	0.27	1	
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1	
Benzene	ND		ug/kg	0.55	0.18	1	
Toluene	ND		ug/kg	1.1	0.60	1	
Ethylbenzene	ND		ug/kg	1.1	0.16	1	
Chloromethane	ND		ug/kg	4.4	1.0	1	
Bromomethane	ND		ug/kg	2.2	0.64	1	
Vinyl chloride	ND		ug/kg	1.1	0.37	1	
Chloroethane	ND		ug/kg	2.2	0.50	1	
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1	
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1	



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-05 Date Collected: 04/23/25 11:15

Client ID: EB-05 (4.5-5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Volatile Organics by EPA 5035 Low - Westborn Trichloroethene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Methyl tert butyl ether p/m-Xylene o-Xylene Xylenes, Total cis-1,2-Dichloroethene	ND ND ND ND ND ND ND ND ND ND ND ND ND N		ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	0.55 2.2 2.2 2.2 2.2 2.2 1.1 1.1	0.15 0.16 0.19 0.22 0.62 0.32 0.32 0.19	1 1 1 1 1 1 1
1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Methyl tert butyl ether p/m-Xylene o-Xylene Xylenes, Total	ND ND ND ND ND ND ND ND ND ND ND ND ND N		ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	2.2 2.2 2.2 2.2 2.2 1.1 1.1	0.16 0.19 0.22 0.62 0.32 0.32 0.19	1 1 1 1 1 1
1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Methyl tert butyl ether p/m-Xylene o-Xylene Xylenes, Total	ND ND ND ND ND ND ND ND ND ND ND ND ND N		ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	2.2 2.2 2.2 2.2 2.2 1.1 1.1	0.16 0.19 0.22 0.62 0.32 0.32 0.19	1 1 1 1 1 1
1,3-Dichlorobenzene 1,4-Dichlorobenzene Methyl tert butyl ether p/m-Xylene o-Xylene Xylenes, Total	ND ND ND ND ND ND ND ND ND ND ND ND ND N		ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	2.2 2.2 2.2 2.2 1.1 1.1	0.16 0.19 0.22 0.62 0.32 0.32 0.19	1 1 1 1 1
1,4-Dichlorobenzene  Methyl tert butyl ether  p/m-Xylene  o-Xylene  Xylenes, Total	ND ND ND ND ND ND ND ND ND ND ND ND ND		ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	2.2 2.2 2.2 1.1 1.1 1.1	0.19 0.22 0.62 0.32 0.32 0.19	1 1 1 1
Methyl tert butyl ether p/m-Xylene o-Xylene Xylenes, Total	ND ND ND ND ND ND ND ND ND ND		ug/kg ug/kg ug/kg ug/kg ug/kg	2.2 2.2 1.1 1.1 1.1	0.22 0.62 0.32 0.32 0.19	1 1 1 1
p/m-Xylene o-Xylene Xylenes, Total	ND ND ND ND ND ND ND ND		ug/kg ug/kg ug/kg ug/kg	2.2 1.1 1.1 1.1	0.62 0.32 0.32 0.19	1 1 1
o-Xylene Xylenes, Total	ND ND ND ND		ug/kg ug/kg ug/kg	1.1 1.1 1.1	0.32 0.32 0.19	1
Xylenes, Total	ND ND ND		ug/kg ug/kg	1.1 1.1	0.32 0.19	1
	ND ND ND		ug/kg	1.1	0.19	
cis-1,2-Dichloroethene	ND ND					1
	ND		ug/ka			
1,2-Dichloroethene, Total				1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene			ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	5.7	J	ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-05 Date Collected: 04/23/25 11:15

Client ID: EB-05 (4.5-5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low - Westb	orough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1	
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1	
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1	
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1	
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1	
1,4-Dioxane	ND		ug/kg	88	39.	1	
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1	
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1	
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1	
Ethyl ether	ND		ug/kg	2.2	0.38	1	
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1	

Tentatively Identified Compounds				
Total TIC Compounds	3.73	J	ug/kg	1
Unknown	3.73	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	
1,2-Dichloroethane-d4	106		70-130	
Toluene-d8	98		70-130	
4-Bromofluorobenzene	97		70-130	
Dibromofluoromethane	107		70-130	



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-06 Date Collected: 04/23/25 11:35

Client ID: EB-06 (7-7.5) Date Received: 04/24/25
Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/02/25 18:00

Analyst: JIC Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low	- Westborough Lab					
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-06 Date Collected: 04/23/25 11:35

Client ID: EB-06 (7-7.5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low -	Westborough Lab					
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	 1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	 1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	 1
p/m-Xylene	ND		ug/kg	2.2	0.60	 1
o-Xylene	ND		ug/kg	1.1	0.31	 1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	 1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	 1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	 1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	 1
Acetone	31		ug/kg	11	5.2	 1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1



**Project Name:** Lab Number: 13968 L2525183

**Project Number:** Report Date: 13968 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-06 Date Collected: 04/23/25 11:35

Client ID: Date Received: 04/24/25 EB-06 (7-7.5)

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Tentatively Identified Compounds

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low - Westb	orough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1	
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1	
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1	
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1	
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1	
1,4-Dioxane	ND		ug/kg	86	38.	1	
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1	
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1	
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1	
Ethyl ether	ND		ug/kg	2.2	0.37	1	
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1	

No Tentatively Identified Compounds	ND	ug/kg

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	106	70-130	
Toluene-d8	98	70-130	
4-Bromofluorobenzene	95	70-130	
Dibromofluoromethane	106	70-130	

ug/kg



1

Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-07 Date Collected: 04/23/25 11:50

Client ID: EB-07 (4-4.5) Date Received: 04/24/25
Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/02/25 18:21

Analyst: JIC Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low	- Westborough Lab					
Methylene chloride	ND		ug/kg	5.8	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.80	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.63	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.67	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1



**Project Name:** Lab Number: 13968 L2525183

**Project Number:** Report Date: 13968 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-07 Date Collected: 04/23/25 11:50

Client ID: Date Received: 04/24/25 EB-07 (4-4.5) Not Specified

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep:

ND	Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,2-Dichlorobenzene   ND   ug/kg   2,3   0,17   1   1   1   1   1   1   1   1   1	Volatile Organics by EPA 5035 L	_ow - Westborough Lab					
1,2-Dichlorobenzene   ND   ug/kg   2,3   0,17   1   1   1   1   1   1   1   1   1	Trichloroothono	ND		ua/ka	0.59	0.16	1
3-Dichlorobenzene   ND   ug/kg   2.3   0.17   1   1   1   1   1   1   1   1   1							
A-Dichlorobanzane   ND	<u> </u>						
Methyl tert buyl ether   ND	<u> </u>						
N/m         Xylene         ND         ug/kg         2.3         0.65         1           Xylene         ND         ug/kg         1.2         0.34         1           Xylenes, Total         ND         ug/kg         1.2         0.34         1           Sylenes, Total         ND         ug/kg         1.2         0.20         1           Jebronomethane         ND         ug/kg         1.2         0.16         1           Dibromomethane         ND         ug/kg         1.2         0.23         1           Silvrene         ND         ug/kg         1.2         0.23         1           Dibromomethane         ND         ug/kg         1.2         0.23         1           Silvrene         ND         ug/kg         1.2         0.23         1           Dibromomethane         ND         ug/kg         1.2         0.6         1           Sabtanone         ND         ug/kg         1.2         2.6         1           Velley Septatanone         ND         ug/kg         1.2         1.5         1           Velley Septatanone         ND         ug/kg         1.2         1.4         1           Vel							
ND							
Kylenes, Total         ND         ug/kg         1.2         0.34         1           sis-1,2-Dichloroethene         ND         ug/kg         1.2         0.20         1           sis-1,2-Dichloroethene, Total         ND         ug/kg         1.2         0.16         1           Dichloroethene, Total         ND         ug/kg         1.2         0.23         1           Sibrome         ND         ug/kg         1.2         0.23         1           Sibromomethane         ND         ug/kg         1.2         1.0         1           Sibromomethane         ND         ug/kg         1.2         5.6         1           Acetone         ND         ug/kg         1.2         5.6         1           Acetone         ND         ug/kg         1.2         5.6         1           Acetone         ND         ug/kg         1.2         2.6         1           Acetone         ND         ug/kg         1.2         2.6         1           Abutanone         ND         ug/kg         2.3         0.15         1           Abutanone         ND         ug/kg         2.3         0.24         1           Abutanone							
ND							
1,2-Dichloroethene, Total   ND   Ug/kg   1,2   0,16   1							
ND	·						
ND	Dibromomethane						
ND	Styrene						
Accetone         ND         ug/kg         12         5.6         1           Carbon disulfide         ND         ug/kg         12         5.2         1           2-Butanone         ND         ug/kg         12         2.6         1           2-Butanone         ND         ug/kg         12         2.5         1           2-Hethyl-2-pentanone         ND         ug/kg         12         1.5         1           2-Bethyl-2-pentanone         ND         ug/kg         2.3         0.15         1           2-Bethyl-2-pentanone         ND         ug/kg         2.3         0.15         1           2-Bethylopropane         ND         ug/kg         2.3         0.24         1           2-Bethylopropane         ND         ug/kg         2.3         0.23         1           1,2-Dibromoethane         ND         ug/kg         1.2         0.32         1           1,1-1,2-Tetrachloroethane         ND         ug/kg         0.58         0.15         1           3-Butylbenzene         ND         ug/kg         1.2         0.19         1           4-Butylbenzene         ND         ug/kg         2.3         0.17         1	Dichlorodifluoromethane	ND					1
Carbon disulfide         ND         ug/kg         12         5.2         1           2-Butanone         ND         ug/kg         12         2.6         1           /inyl acetate         ND         ug/kg         12         2.5         1           I-Methyl-2-pentanone         ND         ug/kg         12         1.5         1           I-Methyl-2-pentanone         ND         ug/kg         2.3         0.15         1           I-Methyl-2-pentanone         ND         ug/kg         2.3         0.15         1           I-Methyl-2-pentanone         ND         ug/kg         2.3         0.15         1           I-Methyl-2-pentanone         ND         ug/kg         2.3         0.15         1           I-Mexiconore         ND         ug/kg         2.3         0.15         1           Romonochloromethane         ND         ug/kg         2.3         0.23         1           I-Z-Dibiromoethane         ND         ug/kg         2.3         0.19         1           I-Z-Dibiromoethane         ND         ug/kg         2.3         0.15         1           I-Z-Dibiromoethane         ND         ug/kg         2.3         0.17 <td< td=""><td>Acetone</td><td></td><td></td><td></td><td></td><td></td><td>1</td></td<>	Acetone						1
Patternome   ND	Carbon disulfide	ND				5.2	1
ND	2-Butanone	ND			12	2.6	1
ND	Vinyl acetate	ND			12	2.5	1
ND	4-Methyl-2-pentanone	ND			12	1.5	1
ND	1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
ND	2-Hexanone	ND		ug/kg	12	1.4	1
1,2-Dibromoethane	Bromochloromethane	ND		ug/kg	2.3	0.24	1
1,3-Dichloropropane	2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,1,1,2-Tetrachloroethane	1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
ND	1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
ND	1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
ND	Bromobenzene	ND		ug/kg	2.3	0.17	1
ert-Butylbenzene         ND         ug/kg         2.3         0.14         1           o-Chlorotoluene         ND         ug/kg         2.3         0.22         1           o-Chlorotoluene         ND         ug/kg         2.3         0.12         1           1,2-Dibromo-3-chloropropane         ND         ug/kg         3.5         1.2         1           Hexachlorobutadiene         ND         ug/kg         4.6         0.20         1           sopropylbenzene         ND         ug/kg         1.2         0.12         1           o-Isopropyltoluene         ND         ug/kg         1.2         0.12         1           Naphthalene         ND         ug/kg         4.6         0.75         1	n-Butylbenzene	ND		ug/kg	1.2	0.19	1
ND         ug/kg         2.3         0.22         1           c-Chlorotoluene         ND         ug/kg         2.3         0.12         1           de-Chlorotoluene         ND         ug/kg         3.5         1.2         1           de-Lexachloropropane         ND         ug/kg         4.6         0.20         1           de-Lexachlorobutadiene         ND         ug/kg         1.2         0.12         1           de-Isopropylbenzene         ND         ug/kg         1.2         0.12         1           de-Isopropyltoluene         ND         ug/kg         4.6         0.75         1           Naphthalene         ND         ug/kg         4.6         0.75         1	sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
o-Chlorotoluene         ND         ug/kg         2.3         0.12         1           1,2-Dibromo-3-chloropropane         ND         ug/kg         3.5         1.2         1           Hexachlorobutadiene         ND         ug/kg         4.6         0.20         1           sopropylbenzene         ND         ug/kg         1.2         0.12         1           o-Isopropyltoluene         ND         ug/kg         1.2         0.12         1           Naphthalene         ND         ug/kg         4.6         0.75         1	tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
I,2-Dibromo-3-chloropropane       ND       ug/kg       3.5       1.2       1         Hexachlorobutadiene       ND       ug/kg       4.6       0.20       1         sopropylbenzene       ND       ug/kg       1.2       0.12       1         o-Isopropyltoluene       ND       ug/kg       1.2       0.12       1         Naphthalene       ND       ug/kg       4.6       0.75       1	o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
Hexachlorobutadiene         ND         ug/kg         4.6         0.20         1           sopropylbenzene         ND         ug/kg         1.2         0.12         1           p-Isopropyltoluene         ND         ug/kg         1.2         0.12         1           Naphthalene         ND         ug/kg         4.6         0.75         1	p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
ND	1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
ND ug/kg 1.2 0.12 1 Naphthalene ND ug/kg 4.6 0.75 1	Hexachlorobutadiene	ND		ug/kg	4.6	0.20	1
Naphthalene ND ug/kg 4.6 0.75 1	Isopropylbenzene	ND		ug/kg	1.2	0.12	1
	p-Isopropyltoluene	ND		ug/kg	1.2	0.12	1
Acrylonitrile ND ug/kg 4.6 1.3 1	Naphthalene	ND		ug/kg	4.6	0.75	1
	Acrylonitrile	ND		ug/kg	4.6	1.3	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-07 Date Collected: 04/23/25 11:50

Client ID: EB-07 (4-4.5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low - We	stborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	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	5.8	1.6	1	

Tentatively Identified Compounds	
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No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	107	70-130	
Toluene-d8	100	70-130	
4-Bromofluorobenzene	99	70-130	
Dibromofluoromethane	108	70-130	



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-08 Date Collected: 04/23/25 12:10

Client ID: EB-08 (3.5-4) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/02/25 18:41

Analyst: JIC Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low -	Westborough Lab					
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.36	1
Tetrachloroethene	0.56	J	ug/kg	0.68	0.26	1
Chlorobenzene	ND		ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.94	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	0.33	J	ug/kg	0.68	0.23	1
Bromodichloromethane	ND		ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.68	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.68	0.22	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	0.22	1
Benzene	ND		ug/kg	0.68	0.22	1
Toluene	ND		ug/kg	1.4	0.74	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.4	1.3	1
Bromomethane	ND		ug/kg	2.7	0.79	1
Vinyl chloride	ND		ug/kg	1.4	0.45	1
Chloroethane	ND		ug/kg	2.7	0.61	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-08 Date Collected: 04/23/25 12:10

Client ID: EB-08 (3.5-4) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low	- Westborough Lab					
Trichloroethene	ND		ug/kg	0.68	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.76	1
o-Xylene	ND		ug/kg	1.4	0.39	1
Xylenes, Total	ND		ug/kg	1.4	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.18	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.4	0.26	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	ND		ug/kg	14	6.5	1
Carbon disulfide	ND		ug/kg	14	6.2	1
2-Butanone	ND		ug/kg	14	3.0	1
Vinyl acetate	ND		ug/kg	14	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.68	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	1.2	J	ug/kg	5.4	0.88	1
Acrylonitrile	ND		ug/kg	5.4	1.6	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-08 Date Collected: 04/23/25 12:10

Client ID: EB-08 (3.5-4) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY 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	1.4	0.23	1	
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.44	1	
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1	
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1	
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.45	1	
1,4-Dioxane	ND		ug/kg	110	48.	1	
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1	
p-Ethyltoluene	ND		ug/kg	2.7	0.52	1	
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1	
Ethyl ether	ND		ug/kg	2.7	0.46	1	
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	1.9	1	

rentatively identified Compounds	

No Tentatively Identified Compounds

4-Bromofluorobenzene

Dibromofluoromethane

Surrogate	% Recovery	Qualifier	Acceptance Criteria	
1,2-Dichloroethane-d4	108		70-130	
Toluene-d8	110		70-130	

ug/kg

128

111

ND



1

70-130

70-130

Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-08 R Date Collected: 04/23/25 12:10

Client ID: BB-08 (3.5-4) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/04/25 19:20

Analyst: AJK Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low	- Westborough Lab					
Methylene chloride	ND		ug/kg	5.4	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	0.52	J	ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	0.32	J	ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-08 R Date Collected: 04/23/25 12:10

Client ID: EB-08 (3.5-4) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low	r - Westborough Lab					
Trichloroethene	0.15	J	ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.22	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	ND		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.13	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	1.2	J	ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-08 R Date Collected: 04/23/25 12:10

Client ID: EB-08 (3.5-4) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low -	- Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1	
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1	
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1	
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.21	1	
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1	
1,4-Dioxane	ND		ug/kg	86	38.	1	
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1	
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1	
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1	
Ethyl ether	ND		ug/kg	2.1	0.36	1	
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1	

Tentatively	Identified Compounds	5
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No Tentatively Identified Compounds	ND	ug/kg	1
140 Tornatively lacitifica compounds	110	ug/ng	

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	111	70-130	
Toluene-d8	109	70-130	
4-Bromofluorobenzene	128	70-130	
Dibromofluoromethane	109	70-130	



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-09 Date Collected: 04/23/25 13:15

Client ID: EB-09 (4.5-5) Date Received: 04/24/25
Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/02/25 19:02

Analyst: JIC Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Lo	w - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.3	1	
1,1-Dichloroethane	ND		ug/kg	0.99	0.14	1	
Chloroform	ND		ug/kg	1.5	0.14	1	
Carbon tetrachloride	ND		ug/kg	0.99	0.23	1	
1,2-Dichloropropane	ND		ug/kg	0.99	0.12	1	
Dibromochloromethane	ND		ug/kg	0.99	0.14	1	
1,1,2-Trichloroethane	ND		ug/kg	0.99	0.26	1	
Tetrachloroethene	ND		ug/kg	0.49	0.19	1	
Chlorobenzene	ND		ug/kg	0.49	0.12	1	
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1	
1,2-Dichloroethane	ND		ug/kg	0.99	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	0.99	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	4.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1	
Benzene	ND		ug/kg	0.49	0.16	1	
Toluene	ND		ug/kg	0.99	0.54	1	
Ethylbenzene	ND		ug/kg	0.99	0.14	1	
Chloromethane	ND		ug/kg	4.0	0.92	1	
Bromomethane	ND		ug/kg	2.0	0.57	1	
Vinyl chloride	ND		ug/kg	0.99	0.33	1	
Chloroethane	ND		ug/kg	2.0	0.45	1	
1,1-Dichloroethene	ND		ug/kg	0.99	0.24	1	
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1	



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-09 Date Collected: 04/23/25 13:15

Client ID: EB-09 (4.5-5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Lo	ow - Westborough Lab					
Trichloroethene	ND		ug/kg	0.49	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	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	ND		ug/kg	0.99	0.29	1
Xylenes, Total	ND		ug/kg	0.99	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.99	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	0.99	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.90	1
Acetone	ND		ug/kg	9.9	4.8	1
Carbon disulfide	ND		ug/kg	9.9	4.5	1
2-Butanone	ND		ug/kg	9.9	2.2	1
Vinyl acetate	ND		ug/kg	9.9	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.12	1
2-Hexanone	ND		ug/kg	9.9	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.99	0.28	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	0.99	0.16	1
sec-Butylbenzene	ND		ug/kg	0.99	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	3.0	0.99	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	0.99	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.99	0.11	1
Naphthalene	ND		ug/kg	4.0	0.64	1
Acrylonitrile	ND		ug/kg	4.0	1.1	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-09 Date Collected: 04/23/25 13:15

Client ID: EB-09 (4.5-5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Tentatively Identified Compounds

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low - West	borough Lab						
n-Propylbenzene	ND		ug/kg	0.99	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	79	35.	1	
p-Diethylbenzene	ND		ug/kg	2.0	0.18	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	0.34	1	
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1	

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	111		70-130



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Project Number: 13968 Report Date: 05/06/25

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D Analytical Date: 05/02/25 14:53

Parameter	Result	Qualifier (	Units	RL	N	IDL
olatile Organics by EPA 5035 Low	- Westboro	ough Lab for s	sample(s):	01-09	Batch:	WG2062445-5
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 Number: 13968 Report Date: 05/06/25

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D Analytical Date: 05/02/25 14:53

arameter	Result	Qualifier Units	RL	MDL	
olatile Organics by EPA 5035 Lo	w - Westbord	ough Lab for sample(s):	01-09	Batch: WC	92062445-5
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 Number: 13968 Report Date: 05/06/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D Analytical Date: 05/02/25 14:53

Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
olatile Organics by EPA 5035 Lov	w - Westboro	ugh Lab fo	r sample(s):	01-09	Batch: WG2062445-5
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	0.85	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

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg



Project Number: 13968 Report Date: 05/06/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D Analytical Date: 05/02/25 14:53

Analyst: AJK

Parameter Result Qualifier Units RL MDL

Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-09 Batch: WG2062445-5

	Acceptance						
Surrogate	%Recovery Qu	ualifier Criteria					
1,2-Dichloroethane-d4	109	70-130					
Toluene-d8	100	70-130					
4-Bromofluorobenzene	99	70-130					
Dibromofluoromethane	109	70-130					



Project Number: 13968 Report Date: 05/06/25

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D Analytical Date: 05/04/25 12:26

arameter	Result	Qualifier l	Jnits	RL		MDL
olatile Organics by EPA 5035 Low	- Westbord	ough Lab for s	sample(s):	80	Batch:	WG2062587-5
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 Number: 13968 Report Date: 05/06/25

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D Analytical Date: 05/04/25 12:26

arameter	Result	Qualifier Units	RL		MDL
olatile Organics by EPA 5035 Lo	ow - Westbord	ough Lab for sample(s):	08	Batch:	WG2062587-5
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 Number: 13968 Report Date: 05/06/25

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D Analytical Date: 05/04/25 12:26

Parameter	Result	Qualifier	Units	RL		MDL	
Volatile Organics by EPA 5035 Low	- Westboro	ugh Lab fo	r sample(s):	08	Batch:	WG2062587-5	
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	0.46	J	ug/kg	2.0		0.34	
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0		1.4	

Acceptance						
%Recovery Q	ualifier Criteria					
113	70-130					
98	70-130					
99	70-130					
109	70-130					
	113 98 99					



**Project Name:** 13968

**Project Number:** 

13968

Lab Number:

L2525183

Report Date:

arameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	RPD Qual Limits
olatile Organics by EPA 5035 Low - V	Westborough Lab	Associated sa	ample(s): 01-09	Batch:	WG2062445-3	WG2062445-	-4
Methylene chloride	88		88		70-130	0	30
1,1-Dichloroethane	94		94		70-130	0	30
Chloroform	94		94		70-130	0	30
Carbon tetrachloride	99		98		70-130	1	30
1,2-Dichloropropane	97		98		70-130	1	30
Dibromochloromethane	95		99		70-130	4	30
1,1,2-Trichloroethane	93		98		70-130	5	30
Tetrachloroethene	103		102		70-130	1	30
Chlorobenzene	98		98		70-130	0	30
Trichlorofluoromethane	100		98		70-139	2	30
1,2-Dichloroethane	92		93		70-130	1	30
1,1,1-Trichloroethane	100		98		70-130	2	30
Bromodichloromethane	94		97		70-130	3	30
trans-1,3-Dichloropropene	96		101		70-130	5	30
cis-1,3-Dichloropropene	98		100		70-130	2	30
1,1-Dichloropropene	102		100		70-130	2	30
Bromoform	90		99		70-130	10	30
1,1,2,2-Tetrachloroethane	92		100		70-130	8	30
Benzene	97		96		70-130	1	30
Toluene	89		90		70-130	1	30
Ethylbenzene	100		100		70-130	0	30
Chloromethane	96		94		52-130	2	30
Bromomethane	99		96		57-147	3	30



Project Name: 13968

**Project Number:** 

13968

Lab Number: L2525183

Report Date:

rameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	RPD Qual Limits
latile Organics by EPA 5035 Lo	ow - Westborough Lab	Associated s	ample(s): 01-09	Batch:	WG2062445-3	WG2062445-	4
Vinyl chloride	99		96		67-130	3	30
Chloroethane	99		97		50-151	2	30
1,1-Dichloroethene	98		95		65-135	3	30
trans-1,2-Dichloroethene	94		95		70-130	1	30
Trichloroethene	100		102		70-130	2	30
1,2-Dichlorobenzene	97		100		70-130	3	30
1,3-Dichlorobenzene	99		102		70-130	3	30
1,4-Dichlorobenzene	98		102		70-130	4	30
Methyl tert butyl ether	92		97		66-130	5	30
p/m-Xylene	99		100		70-130	1	30
o-Xylene	100		101		70-130	1	30
cis-1,2-Dichloroethene	93		92		70-130	1	30
Dibromomethane	90		95		70-130	5	30
Styrene	100		101		70-130	1	30
Dichlorodifluoromethane	97		93		30-146	4	30
Acetone	92		105		54-140	13	30
Carbon disulfide	96		94		59-130	2	30
2-Butanone	85		100		70-130	16	30
Vinyl acetate	89		84		70-130	6	30
4-Methyl-2-pentanone	85		98		70-130	14	30
1,2,3-Trichloropropane	92		100		68-130	8	30
2-Hexanone	77		91		70-130	17	30
Bromochloromethane	94		94		70-130	0	30



**Project Name:** 13968

**Project Number:** 

13968

Lab Number: L2525183

Report Date:

rameter	LCS %Recovery	LCSD Qual %Recovery	%Recovery Qual Limits	RPD	RPD Qual Limits
platile Organics by EPA 5035 Low	- Westborough Lab A	Associated sample(s): 01-09	Batch: WG2062445-3	WG2062445-	-4
2,2-Dichloropropane	99	97	70-130	2	30
1,2-Dibromoethane	94	100	70-130	6	30
1,3-Dichloropropane	93	97	69-130	4	30
1,1,1,2-Tetrachloroethane	101	102	70-130	1	30
Bromobenzene	96	98	70-130	2	30
n-Butylbenzene	107	109	70-130	2	30
sec-Butylbenzene	104	106	70-130	2	30
tert-Butylbenzene	103	105	70-130	2	30
o-Chlorotoluene	101	120	70-130	17	30
p-Chlorotoluene	102	103	70-130	1	30
1,2-Dibromo-3-chloropropane	84	98	68-130	15	30
Hexachlorobutadiene	105	106	67-130	1	30
Isopropylbenzene	104	105	70-130	1	30
p-Isopropyltoluene	105	106	70-130	1	30
Naphthalene	90	97	70-130	7	30
Acrylonitrile	79	90	70-130	13	30
n-Propylbenzene	105	106	70-130	1	30
1,2,3-Trichlorobenzene	94	101	70-130	7	30
1,2,4-Trichlorobenzene	100	104	70-130	4	30
1,3,5-Trimethylbenzene	102	104	70-130	2	30
1,2,4-Trimethylbenzene	101	103	70-130	2	30
1,4-Dioxane	84	95	65-136	12	30
p-Diethylbenzene	106	106	70-130	0	30



Project Name: 13968

Lab Number:

L2525183

Project Number: 13968

Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	
Volatile Organics by EPA 5035 Low	- Westborough Lab	Associated	sample(s): 01-09	Batch:	WG2062445-3	WG2062445-4	ļ		
p-Ethyltoluene	103		104		70-130	1		30	
1,2,4,5-Tetramethylbenzene	98		99		70-130	1		30	
Ethyl ether	91		89		67-130	2		30	
trans-1,4-Dichloro-2-butene	96		102		70-130	6		30	

	LCS	LCSD	Acceptance	
Surrogate	%Recovery Qual	%Recovery Qual	Criteria	
1,2-Dichloroethane-d4	94	95	70-130	
Toluene-d8	101	100	70-130	
4-Bromofluorobenzene	100	100	70-130	
Dibromofluoromethane	97	98	70-130	



Project Name: 13968

**Project Number:** 

13968

Lab Number:

L2525183

Report Date:

arameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
olatile Organics by EPA 5035 Low -	Westborough Lab	Associated sar	mple(s): 08	Batch:	WG2062587-3 WG	2062587-4		
Methylene chloride	90		86		70-130	5		30
1,1-Dichloroethane	95		91		70-130	4		30
Chloroform	92		89		70-130	3		30
Carbon tetrachloride	97		92		70-130	5		30
1,2-Dichloropropane	96		93		70-130	3		30
Dibromochloromethane	92		96		70-130	4		30
1,1,2-Trichloroethane	91		96		70-130	5		30
Tetrachloroethene	102		99		70-130	3		30
Chlorobenzene	96		94		70-130	2		30
Trichlorofluoromethane	103		95		70-139	8		30
1,2-Dichloroethane	89		89		70-130	0		30
1,1,1-Trichloroethane	99		94		70-130	5		30
Bromodichloromethane	93		90		70-130	3		30
trans-1,3-Dichloropropene	94		96		70-130	2		30
cis-1,3-Dichloropropene	94		93		70-130	1		30
1,1-Dichloropropene	101		94		70-130	7		30
Bromoform	86		92		70-130	7		30
1,1,2,2-Tetrachloroethane	80		88		70-130	10		30
Benzene	96		92		70-130	4		30
Toluene	88		86		70-130	2		30
Ethylbenzene	97		95		70-130	2		30
Chloromethane	98		91		52-130	7		30
Bromomethane	94		89		57-147	5		30



**Project Name:** 13968

**Project Number:** 

13968

Lab Number:

L2525183

Report Date:

arameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	RPD imits
olatile Organics by EPA 5035 L	ow - Westborough Lab	Associated sa	ample(s): 08	Batch:	WG2062587-3 WG	2062587-4	
Vinyl chloride	102		93		67-130	9	30
Chloroethane	108		100		50-151	8	30
1,1-Dichloroethene	100		95		65-135	5	30
trans-1,2-Dichloroethene	98		92		70-130	6	30
Trichloroethene	104		100		70-130	4	30
1,2-Dichlorobenzene	96		97		70-130	1	30
1,3-Dichlorobenzene	102		98		70-130	4	30
1,4-Dichlorobenzene	99		96		70-130	3	30
Methyl tert butyl ether	93		94		66-130	1	30
p/m-Xylene	98		95		70-130	3	30
o-Xylene	99		97		70-130	2	30
cis-1,2-Dichloroethene	91		88		70-130	3	30
Dibromomethane	90		90		70-130	0	30
Styrene	98		97		70-130	1	30
Dichlorodifluoromethane	96		88		30-146	9	30
Acetone	77		89		54-140	14	30
Carbon disulfide	98		93		59-130	5	30
2-Butanone	91		104		70-130	13	30
Vinyl acetate	89		91		70-130	2	30
4-Methyl-2-pentanone	84		98		70-130	15	30
1,2,3-Trichloropropane	95		103		68-130	8	30
2-Hexanone	81		93		70-130	14	30
Bromochloromethane	93		93		70-130	0	30



**Project Name:** 13968

**Project Number:** 

13968

Lab Number:

L2525183

Report Date:

arameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	RPD Qual Limits	
olatile Organics by EPA 5035 Lo	w - Westborough Lab	Associated sa	ample(s): 08	Batch:	WG2062587-3 WG	2062587-4		
2,2-Dichloropropane	98		87		70-130	12	30	
1,2-Dibromoethane	92		97		70-130	5	30	
1,3-Dichloropropane	92		96		69-130	4	30	
1,1,1,2-Tetrachloroethane	96		97		70-130	1	30	
Bromobenzene	94		94		70-130	0	30	
n-Butylbenzene	110		105		70-130	5	30	
sec-Butylbenzene	107		103		70-130	4	30	
tert-Butylbenzene	104		101		70-130	3	30	
o-Chlorotoluene	100		98		70-130	2	30	
p-Chlorotoluene	102		100		70-130	2	30	
1,2-Dibromo-3-chloropropane	82		98		68-130	18	30	
Hexachlorobutadiene	106		100		67-130	6	30	
Isopropylbenzene	104		101		70-130	3	30	
p-Isopropyltoluene	105		100		70-130	5	30	
Naphthalene	87		91		70-130	4	30	
Acrylonitrile	83		88		70-130	6	30	
n-Propylbenzene	106		103		70-130	3	30	
1,2,3-Trichlorobenzene	97		96		70-130	1	30	
1,2,4-Trichlorobenzene	102		100		70-130	2	30	
1,3,5-Trimethylbenzene	100		98		70-130	2	30	
1,2,4-Trimethylbenzene	100		97		70-130	3	30	
1,4-Dioxane	97		113		65-136	15	30	
p-Diethylbenzene	106		100		70-130	6	30	



Project Name: 13968

Lab Number:

L2525183

Project Number: 13968

Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	
Volatile Organics by EPA 5035 Low - 1	Westborough Lab	Associated sa	mple(s): 08	Batch: \	WG2062587-3	WG2062587-4			
p-Ethyltoluene	102		99		70-130	3		30	
1,2,4,5-Tetramethylbenzene	109		104		70-130	5		30	
Ethyl ether	91		92		67-130	1		30	
trans-1,4-Dichloro-2-butene	96		107		70-130	11		30	

	LCS	LCSD	Acceptance	
Surrogate	%Recovery Qual	%Recovery Qual	Criteria	
1,2-Dichloroethane-d4	98	97	70-130	
Toluene-d8	101	102	70-130	
4-Bromofluorobenzene	102	101	70-130	
Dibromofluoromethane	95	97	70-130	



### **SEMIVOLATILES**



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-01 Date Collected: 04/23/25 09:40

Client ID: EB-01 (2-2.5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1.8270E Extraction Date: 04/29/25 03:52

Analytical Method: 1,8270E Extraction Date: 04/29/25 03:52
Analytical Date: 04/30/25 08:44

Analyst: MRG
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Wes	tborough Lab					
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1



**Project Name:** Lab Number: 13968 L2525183

**Project Number:** Report Date: 13968 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-01 Date Collected: 04/23/25 09:40

Client ID: Date Received: 04/24/25 EB-01 (2-2.5)

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS -	Westborough Lab					
5: 4: 1: 1: 1:	ND			100	4	,
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	69.	1
4-Nitrophenol	ND		ug/kg	260	74.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1
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Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-01 Date Collected: 04/23/25 09:40

Client ID: EB-01 (2-2.5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Semivolatile Organics by GC/MS - Westborough Lab							
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1	
Benzoic Acid	ND		ug/kg	590	180	1	
Benzyl Alcohol	ND		ug/kg	180	56.	1	
Carbazole	ND		ug/kg	180	18.	1	
1,4-Dioxane	ND		ug/kg	27	8.4	1	

Tentatively Identified Compounds

No Tentatively Identified Compounds

ND ug/kg 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	117		25-120
Phenol-d6	116		10-120
Nitrobenzene-d5	121	Q	23-120
2-Fluorobiphenyl	133	Q	30-120
2,4,6-Tribromophenol	101		10-136
4-Terphenyl-d14	108		18-120



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-02 Date Collected: 04/23/25 10:10

Client ID: EB-02 (3-3.5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546

Analytical Method: 1,8270E Extraction Date: 04/29/25 03:52
Analytical Date: 04/30/25 10:50

Analyst: MRG
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor		
Semivolatile Organics by GC/MS - Westborough Lab								
Acenaphthene	ND		ug/kg	150	19.	1		
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1		
Hexachlorobenzene	ND		ug/kg	110	21.	1		
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1		
2-Chloronaphthalene	ND		ug/kg	180	18.	1		
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1		
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1		
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1		
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1		
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1		
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1		
Fluoranthene	54	J	ug/kg	110	21.	1		
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1		
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1		
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1		
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1		
Hexachlorobutadiene	ND		ug/kg	180	27.	1		
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1		
Hexachloroethane	ND		ug/kg	150	30.	1		
Isophorone	ND		ug/kg	170	24.	1		
Naphthalene	ND		ug/kg	180	22.	1		
Nitrobenzene	ND		ug/kg	170	27.	1		
NDPA/DPA	ND		ug/kg	150	21.	1		
n-Nitrosodi-n-propylamine	ND		ug/kg	180	29.	1		
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1		
Butyl benzyl phthalate	ND		ug/kg	180	47.	1		
Di-n-butylphthalate	ND		ug/kg	180	35.	1		
Di-n-octylphthalate	ND		ug/kg	180	63.	1		



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-02 Date Collected: 04/23/25 10:10

Client ID: EB-02 (3-3.5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - V	Vestborough Lab					
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	40	J	ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	45	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	36	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	24	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	29	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	55	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	ND		ug/kg	180	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
71	· ·-		- 33			



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2525183-02 Date Collected: 04/23/25 10:10

Client ID: EB-02 (3-3.5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor			
Semivolatile Organics by GC/MS - Westborough Lab									
2,4,5-Trichlorophenol	ND		ug/kg	180	36.	1			
Benzoic Acid	ND		ug/kg	600	190	1			
Benzyl Alcohol	ND		ug/kg	180	57.	1			
Carbazole	ND		ug/kg	180	18.	1			
1,4-Dioxane	ND		ug/kg	28	8.5	1			

Tentatively Identified Compounds			
No Tentatively Identified Compounds	ND	ug/kg	1
		-	

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	133	Q	25-120
Phenol-d6	130	Q	10-120
Nitrobenzene-d5	124	Q	23-120
2-Fluorobiphenyl	132	Q	30-120
2,4,6-Tribromophenol	111		10-136
4-Terphenyl-d14	112		18-120



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-03 Date Collected: 04/23/25 10:30

Client ID: EB-03 (2.5-3) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8270E Extraction Date: 04/29/25 03:52

Analytical Date: 04/30/25 05:04

Analyst: MRG
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Wes	tborough Lab					
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-03 Date Collected: 04/23/25 10:30

Client ID: EB-03 (2.5-3) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - We	estborough Lab					
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-03 Date Collected: 04/23/25 10:30

Client ID: EB-03 (2.5-3) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS	S - Westborough Lab					
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1

Tentatively Identified Compounds			
No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	110		25-120
Phenol-d6	114		10-120
Nitrobenzene-d5	125	Q	23-120
2-Fluorobiphenyl	132	Q	30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	109		18-120



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-04 Date Collected: 04/23/25 10:50

Client ID: EB-04 (1.5-2) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546

Analytical Method: 1,8270E Extraction Date: 04/29/25 03:52
Analytical Date: 05/01/25 04:42

Analyst: SMZ
Percent Solids: 91%

Semivolatile Organics by GC/MS - Westborou  Acenaphthene 1,2,4-Trichlorobenzene Hexachlorobenzene Bis(2-chloroethyl)ether 2-Chloronaphthalene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	MD ND ND ND ND ND ND ND ND ND ND ND ND ND	ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	140 180 110 160 180 180	18. 20. 20. 24. 18. 32.	1 1 1 1 1
1,2,4-Trichlorobenzene Hexachlorobenzene Bis(2-chloroethyl)ether 2-Chloronaphthalene 1,2-Dichlorobenzene 1,3-Dichlorobenzene	ND ND ND ND ND ND ND ND ND ND	ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	180 110 160 180 180	20. 20. 24. 18. 32.	1 1 1 1
1,2,4-Trichlorobenzene Hexachlorobenzene Bis(2-chloroethyl)ether 2-Chloronaphthalene 1,2-Dichlorobenzene 1,3-Dichlorobenzene	ND ND ND ND ND ND ND ND	ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	110 160 180 180	20. 24. 18. 32.	1 1 1
Hexachlorobenzene Bis(2-chloroethyl)ether 2-Chloronaphthalene 1,2-Dichlorobenzene 1,3-Dichlorobenzene	ND ND ND ND ND ND ND ND	ug/kg ug/kg ug/kg ug/kg ug/kg	160 180 180	20. 24. 18. 32.	1
2-Chloronaphthalene 1,2-Dichlorobenzene 1,3-Dichlorobenzene	ND ND ND ND	ug/kg ug/kg ug/kg ug/kg	160 180 180	24. 18. 32.	1
2-Chloronaphthalene 1,2-Dichlorobenzene 1,3-Dichlorobenzene	ND ND ND	ug/kg ug/kg ug/kg	180	32.	
1,2-Dichlorobenzene 1,3-Dichlorobenzene	ND ND	ug/kg ug/kg			1
1,3-Dichlorobenzene	ND	ug/kg	180	30.	
1,4-Dichlorobenzene					1
	ND	ug/kg	180	31.	1
3,3'-Dichlorobenzidine		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND	ug/kg	180	35.	1
2,6-Dinitrotoluene	ND	ug/kg	180	30.	1
Fluoranthene	ND	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND	ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND	ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND	ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND	ug/kg	190	18.	1
Hexachlorobutadiene	ND	ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND	ug/kg	510	160	1
Hexachloroethane	ND	ug/kg	140	29.	1
Isophorone	ND	ug/kg	160	23.	1
Naphthalene	ND	ug/kg	180	22.	1
Nitrobenzene	ND	ug/kg	160	26.	1
NDPA/DPA	ND	ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND	ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND	ug/kg	180	61.	1
Butyl benzyl phthalate	ND	ug/kg	180	45.	1
Di-n-butylphthalate	ND	ug/kg	180	34.	1
Di-n-octylphthalate	ND	ug/kg	180	60.	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-04 Date Collected: 04/23/25 10:50

Client ID: EB-04 (1.5-2) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS -	Westborough Lab					
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	ND		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	110	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	23.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-04 Date Collected: 04/23/25 10:50

Client ID: EB-04 (1.5-2) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Semivolatile Organics by GC/MS	- Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1	
Benzoic Acid	ND		ug/kg	570	180	1	
Benzyl Alcohol	ND		ug/kg	180	54.	1	
Carbazole	ND		ug/kg	180	17.	1	
1,4-Dioxane	ND		ug/kg	26	8.2	1	

Tentatively Identified Compounds				
Total TIC Compounds	813	J	ug/kg	1
Unknown	301	J	ug/kg	1
Unknown	281	J	ug/kg	1
Unknown	231	J	ug/kg	1

% Recovery	Acceptance Qualifier Criteria	
85	25-120	
83	10-120	
79	23-120	
90	30-120	
65	10-136	
78	18-120	
	85 83 79 90 65	% Recovery         Qualifier         Criteria           85         25-120           83         10-120           79         23-120           90         30-120           65         10-136



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-05 Date Collected: 04/23/25 11:15

Client ID: EB-05 (4.5-5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1.8270E Extraction Date: 04/29/25 03:52

Analytical Method: 1,8270E Extraction Date: 04/29/25 03:52
Analytical Date: 04/30/25 07:31

Analyst: MRG
Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Semivolatile Organics by GC/MS - W	estborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1	
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1	
Hexachlorobenzene	ND		ug/kg	100	19.	1	
Bis(2-chloroethyl)ether	ND		ug/kg	160	23.	1	
2-Chloronaphthalene	ND		ug/kg	170	17.	1	
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1	
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1	
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1	
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1	
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1	
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1	
Fluoranthene	ND		ug/kg	100	20.	1	
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1	
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1	
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	29.	1	
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1	
Hexachlorobutadiene	ND		ug/kg	170	25.	1	
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1	
Hexachloroethane	ND		ug/kg	140	28.	1	
Isophorone	ND		ug/kg	160	22.	1	
Naphthalene	ND		ug/kg	170	21.	1	
Nitrobenzene	ND		ug/kg	160	26.	1	
NDPA/DPA	ND		ug/kg	140	20.	1	
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1	
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1	
Butyl benzyl phthalate	ND		ug/kg	170	43.	1	
Di-n-butylphthalate	ND		ug/kg	170	33.	1	
Di-n-octylphthalate	ND		ug/kg	170	59.	1	



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-05 Date Collected: 04/23/25 11:15

Client ID: EB-05 (4.5-5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - 1	Westborough Lab					
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	22.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	830	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-05 Date Collected: 04/23/25 11:15

Client ID: EB-05 (4.5-5) Date Received: 04/24/25
Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/M	S - Westborough Lab					
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1

Tentatively Identified Compounds				
Total TIC Compounds	191	J	ug/kg	1
Unknown	191	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	
2-Fluorophenol	120		25-120	
Phenol-d6	122	Q	10-120	
Nitrobenzene-d5	116		23-120	
2-Fluorobiphenyl	128	Q	30-120	
2,4,6-Tribromophenol	99		10-136	
4-Terphenyl-d14	111		18-120	



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-06 Date Collected: 04/23/25 11:35

Client ID: EB-06 (7-7.5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546

Analytical Method: 1,8270E Extraction Date: 04/29/25 03:52
Analytical Date: 05/01/25 16:00

Analyst: JG Percent Solids: 93%

Bis(2-chloroethyl)ether	Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,2,4-Trichlorobenzene   ND	Semivolatile Organics by GC/MS - V	estborough Lab					
1,2,4-Trichlorobenzene   ND	Acenaphthene	ND		ua/ka	140	18.	1
Hexachlorobenzene   ND	<u>'</u>	ND			180	20.	1
Bis(2-chloroethyl)ether	Hexachlorobenzene				110		1
2-Chloronaphthalene         ND         ug/kg         180         18.         1           1,2-Dichlorobenzene         ND         ug/kg         180         32.         1           1,3-Dichlorobenzene         ND         ug/kg         180         31.         1           1,4-Dichlorobenzene         ND         ug/kg         180         31.         1           3,3-Dichlorobenzidine         ND         ug/kg         180         31.         1           2,4-Dinitrotoluene         ND         ug/kg         180         36.         1           2,4-Dinitrotoluene         ND         ug/kg         180         36.         1           2,6-Dinitrotoluene         ND         ug/kg         180         30.         1           1-Iuoranthene         ND         ug/kg         180         30.         1           4-Chlorophenyl phenyl ether         ND         ug/kg         180         30.         1           4-Bis(2-chloroisporopyl)ether         ND         ug/kg         180         27.         1           Bis(2-chloroisporopyl)ether         ND         ug/kg         180         26.         1           Hexachloroethaxele         ND         ug/kg         180 </td <td>Bis(2-chloroethyl)ether</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td>	Bis(2-chloroethyl)ether						1
1,2-Dichlorobenzene       ND       ug/kg       180       32.       1         1,3-Dichlorobenzene       ND       ug/kg       180       31.       1         1,4-Dichlorobenzene       ND       ug/kg       180       31.       1         3,3-Dichlorobenzidine       ND       ug/kg       180       47.       1         2,4-Dinitrotoluene       ND       ug/kg       180       36.       1         2,4-Dinitrotoluene       ND       ug/kg       180       30.       1         Fluoranthene       ND       ug/kg       110       20.       1         4-Chlorophenyl phenyl ether       ND       ug/kg       180       27.       1         4-Bromophenyl phenyl ether       ND       ug/kg       180       27.       1         4-Bromophenyl phenyl ether       ND       ug/kg       180       27.       1         4-Bromophenyl phenyl ether       ND       ug/kg       180       27.       1         Bis(2-chlorostopoyl)gether       ND       ug/kg       180       27.       1         Bis(2-chlorostopoyl)gether       ND       ug/kg       190       18.       1         Hexachlorostopoylophtaliene       ND	2-Chloronaphthalene	ND			180	18.	1
1,3-Dichlorobenzene       ND       ug/kg       180       31.       1         1,4-Dichlorobenzene       ND       ug/kg       180       31.       1         3,3'-Dichlorobenzidine       ND       ug/kg       180       47.       1         2,4-Dinitrotoluene       ND       ug/kg       180       36.       1         2,6-Dinitrotoluene       ND       ug/kg       180       30.       1         Fluoranthene       ND       ug/kg       110       20.       1         4-Chlorophenyl phenyl ether       ND       ug/kg       180       19.       1         4-Eromophenyl phenyl ether       ND       ug/kg       180       27.       1         4-Bromophenyl phenyl ether       ND       ug/kg       180       27.       1         4-Bromophenyl phenyl ether       ND       ug/kg       180       27.       1         4-Bromophenyl phenyl ether       ND       ug/kg       180       27.       1         4-Bromophenyl phenyl ether       ND       ug/kg       180       27.       1         Bis(2-chlorostoponyl)gether       ND       ug/kg       180       26.       1         Hexachlorostoponyl)gether       ND <td></td> <td>ND</td> <td></td> <td></td> <td>180</td> <td>32.</td> <td>1</td>		ND			180	32.	1
1,4-Dichlorobenzene       ND       ug/kg       180       31.       1         3,3'-Dichlorobenzidine       ND       ug/kg       180       47.       1         2,4-Dinitrotoluene       ND       ug/kg       180       36.       1         2,6-Dinitrotoluene       ND       ug/kg       180       30.       1         Fluoranthene       ND       ug/kg       110       20.       1         4-Chlorophenyl phenyl ether       ND       ug/kg       180       19.       1         4-Bromophenyl phenyl ether       ND       ug/kg       180       27.       1         4-Bromophenyl phenyl ether       ND       ug/kg       180       27.       1         4-Bromophenyl phenyl ether       ND       ug/kg       180       27.       1         4-Bromophenyl phenyl ether       ND       ug/kg       180       27.       1         4-Bromophenyl phenyl ether       ND       ug/kg       180       27.       1         Bis(2-chlorostopropyl) ether       ND       ug/kg       180       27.       1         Bis(2-chlorostopropyl) ether       ND       ug/kg       180       26.       1         Hexachlorobutadiene       N	1,3-Dichlorobenzene	ND			180	31.	1
3,3*-Dichlorobenzidine       ND       ug/kg       180       47.       1         2,4*-Dinitrotoluene       ND       ug/kg       180       36.       1         2,6*-Dinitrotoluene       ND       ug/kg       180       30.       1         Fluoranthene       ND       ug/kg       110       20.       1         4*-Chlorophenyl phenyl ether       ND       ug/kg       180       19.       1         4*-Bromophenyl phenyl ether       ND       ug/kg       180       27.       1         Bis(2*-chloroisopropyl)ether       ND       ug/kg       190       18.       1         Bis(2*-chloroethoxy)methane       ND       ug/kg       190       18.       1         Hexachlorobutadiene       ND       ug/kg       180       26.       1         Hexachlorocyclopentadiene       ND       ug/kg       510       160       1         Hexachlorocyclopentadiene       ND       ug/kg       140       29.       1         Isophorone       ND       ug/kg       160       23.       1         Naphthalene       ND       ug/kg       180       22.       1         NItrobenzene       ND       ug/kg <td< td=""><td>1,4-Dichlorobenzene</td><td>ND</td><td></td><td></td><td>180</td><td>31.</td><td>1</td></td<>	1,4-Dichlorobenzene	ND			180	31.	1
2,4-Dinitrotoluene       ND       ug/kg       180       36.       1         2,6-Dinitrotoluene       ND       ug/kg       180       30.       1         Fluoranthene       ND       ug/kg       110       20.       1         4-Chlorophenyl phenyl ether       ND       ug/kg       180       19.       1         4-Bromophenyl phenyl ether       ND       ug/kg       180       27.       1         Bis(2-chloroisopropyl)ether       ND       ug/kg       210       30.       1         Bis(2-chloroisopropyl)ether       ND       ug/kg       190       18.       1         Hexachlorobutadiene       ND       ug/kg       180       26.       1         Hexachlorocyclopentadiene       ND       ug/kg       510       160       1         Hexachlorocyclopentadiene       ND       ug/kg       140       29.       1         Isophorone       ND       ug/kg       160       23.       1         Naphthalene       ND       ug/kg       160       23.       1         NItrobenzene       ND       ug/kg       160       26.       1         NDPA/DPA       ND       ug/kg       180 <td< td=""><td>3,3'-Dichlorobenzidine</td><td>ND</td><td></td><td></td><td>180</td><td>47.</td><td>1</td></td<>	3,3'-Dichlorobenzidine	ND			180	47.	1
2,6-Dinitrotoluene       ND       ug/kg       180       30.       1         Fluoranthene       ND       ug/kg       110       20.       1         4-Chlorophenyl phenyl ether       ND       ug/kg       180       19.       1         4-Bromophenyl phenyl ether       ND       ug/kg       180       27.       1         Bis(2-chlorostoropyl)ether       ND       ug/kg       210       30.       1         Bis(2-chloroethoxy)methane       ND       ug/kg       190       18.       1         Hexachlorobutadiene       ND       ug/kg       180       26.       1         Hexachlorocyclopentadiene       ND       ug/kg       510       160       1         Hexachlorocyclopentadiene       ND       ug/kg       140       29.       1         Hexachlorocyclopentadiene       ND       ug/kg       160       23.       1         Hexachlorocyclopentadiene       ND       ug/kg       180       22.       1         Naphthalene       ND       ug/kg       160       23.       1         Naphthalene       ND       ug/kg       180       22.       1         NDPA/DPA       ND       ug/kg <td< td=""><td>2,4-Dinitrotoluene</td><td>ND</td><td></td><td></td><td>180</td><td>36.</td><td>1</td></td<>	2,4-Dinitrotoluene	ND			180	36.	1
4-Chlorophenyl phenyl ether ND ug/kg 180 19. 1 4-Bromophenyl phenyl ether ND ug/kg 180 27. 1 Bis(2-chloroisopropyl)ether ND ug/kg 210 30. 1 Bis(2-chloroethoxy)methane ND ug/kg 190 18. 1 Hexachlorobutadiene ND ug/kg 180 26. 1 Hexachlorocyclopentadiene ND ug/kg 510 160 1 Hexachlorocyclopentadiene ND ug/kg 140 29. 1 Isophorone ND ug/kg 160 23. 1 Isophorone ND ug/kg 160 23. 1 Naphthalene ND ug/kg 180 22. 1 Nitrobenzene ND ug/kg 180 22. 1 Nitrobenzene ND ug/kg 180 22. 1 Signaphylphalate ND ug/kg 180 26. 1 Butyl benzyl phthalate ND ug/kg 180 25. 1 Butyl benzyl phthalate ND ug/kg 180 28. 1 Butyl benzyl phthalate ND ug/kg 180 34. 1  Di-n-butylphthalate ND ug/kg 180 34. 1	2,6-Dinitrotoluene	ND			180	30.	1
4-Bromophenyl phenyl ether       ND       ug/kg       180       27.       1         Bis(2-chloroisopropyl)ether       ND       ug/kg       210       30.       1         Bis(2-chloroethoxy)methane       ND       ug/kg       190       18.       1         Hexachlorobutadiene       ND       ug/kg       180       26.       1         Hexachlorocyclopentadiene       ND       ug/kg       510       160       1         Hexachlorocthane       ND       ug/kg       140       29.       1         Isophorone       ND       ug/kg       160       23.       1         Naphthalene       ND       ug/kg       180       22.       1         Nitrobenzene       ND       ug/kg       160       26.       1         NDPA/DPA       ND       ug/kg       140       20.       1         n-Nitrosodi-n-propylamine       ND       ug/kg       180       28.       1         Bis(2-ethylhexyl)phthalate       ND       ug/kg       180       62.       1         Butyl benzyl phthalate       ND       ug/kg       180       45.       1         Di-n-butylphthalate       ND       ug/kg       180	Fluoranthene	ND		ug/kg	110	20.	1
Bis(2-chloroisopropyl)ether         ND         ug/kg         210         30.         1           Bis(2-chloroethoxy)methane         ND         ug/kg         190         18.         1           Hexachlorobutadiene         ND         ug/kg         180         26.         1           Hexachlorocyclopentadiene         ND         ug/kg         510         160         1           Hexachloroethane         ND         ug/kg         140         29.         1           Isophorone         ND         ug/kg         160         23.         1           Naphthalene         ND         ug/kg         180         22.         1           Nitrobenzene         ND         ug/kg         160         26.         1           NDPA/DPA         ND         ug/kg         140         20.         1           n-Nitrosodi-n-propylamine         ND         ug/kg         180         28.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         180         62.         1           Butyl benzyl phthalate         ND         ug/kg         180         34.         1	4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
Bis(2-chloroethoxy)methane         ND         ug/kg         190         18.         1           Hexachlorobutadiene         ND         ug/kg         180         26.         1           Hexachlorocyclopentadiene         ND         ug/kg         510         160         1           Hexachloroethane         ND         ug/kg         140         29.         1           Isophorone         ND         ug/kg         160         23.         1           Naphthalene         ND         ug/kg         180         22.         1           Nitrobenzene         ND         ug/kg         160         26.         1           NDPA/DPA         ND         ug/kg         140         20.         1           n-Nitrosodi-n-propylamine         ND         ug/kg         180         28.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         180         62.         1           Butyl benzyl phthalate         ND         ug/kg         180         34.         1           Di-n-butylphthalate         ND         ug/kg         180         34.         1	4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Hexachlorobutadiene         ND         ug/kg         180         26.         1           Hexachlorocyclopentadiene         ND         ug/kg         510         160         1           Hexachloroethane         ND         ug/kg         140         29.         1           Isophorone         ND         ug/kg         160         23.         1           Naphthalene         ND         ug/kg         180         22.         1           Nitrobenzene         ND         ug/kg         160         26.         1           NDPA/DPA         ND         ug/kg         140         20.         1           n-Nitrosodi-n-propylamine         ND         ug/kg         180         28.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         180         62.         1           Butyl benzyl phthalate         ND         ug/kg         180         45.         1           Di-n-butylphthalate         ND         ug/kg         180         34.         1	Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene         ND         ug/kg         510         160         1           Hexachlorocethane         ND         ug/kg         140         29.         1           Isophorone         ND         ug/kg         160         23.         1           Naphthalene         ND         ug/kg         180         22.         1           Nitrobenzene         ND         ug/kg         160         26.         1           NDPA/DPA         ND         ug/kg         140         20.         1           n-Nitrosodi-n-propylamine         ND         ug/kg         180         28.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         180         62.         1           Butyl benzyl phthalate         ND         ug/kg         180         45.         1           Di-n-butylphthalate         ND         ug/kg         180         34.         1	Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachloroethane         ND         ug/kg         140         29.         1           Isophorone         ND         ug/kg         160         23.         1           Naphthalene         ND         ug/kg         180         22.         1           Nitrobenzene         ND         ug/kg         160         26.         1           NDPA/DPA         ND         ug/kg         140         20.         1           n-Nitrosodi-n-propylamine         ND         ug/kg         180         28.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         180         62.         1           Butyl benzyl phthalate         ND         ug/kg         180         45.         1           Di-n-butylphthalate         ND         ug/kg         180         34.         1	Hexachlorobutadiene	ND		ug/kg	180	26.	1
ND	Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Naphthalene         ND         ug/kg         180         22.         1           Nitrobenzene         ND         ug/kg         160         26.         1           NDPA/DPA         ND         ug/kg         140         20.         1           n-Nitrosodi-n-propylamine         ND         ug/kg         180         28.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         180         62.         1           Butyl benzyl phthalate         ND         ug/kg         180         45.         1           Di-n-butylphthalate         ND         ug/kg         180         34.         1	Hexachloroethane	ND		ug/kg	140	29.	1
Nitrobenzene         ND         ug/kg         160         26.         1           NDPA/DPA         ND         ug/kg         140         20.         1           n-Nitrosodi-n-propylamine         ND         ug/kg         180         28.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         180         62.         1           Butyl benzyl phthalate         ND         ug/kg         180         45.         1           Di-n-butylphthalate         ND         ug/kg         180         34.         1	Isophorone	ND		ug/kg	160	23.	1
NDPA/DPA         ND         ug/kg         140         20.         1           n-Nitrosodi-n-propylamine         ND         ug/kg         180         28.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         180         62.         1           Butyl benzyl phthalate         ND         ug/kg         180         45.         1           Di-n-butylphthalate         ND         ug/kg         180         34.         1	Naphthalene	ND		ug/kg	180	22.	1
n-Nitrosodi-n-propylamine         ND         ug/kg         180         28.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         180         62.         1           Butyl benzyl phthalate         ND         ug/kg         180         45.         1           Di-n-butylphthalate         ND         ug/kg         180         34.         1	Nitrobenzene	ND		ug/kg	160	26.	1
Bis(2-ethylhexyl)phthalate         ND         ug/kg         180         62.         1           Butyl benzyl phthalate         ND         ug/kg         180         45.         1           Di-n-butylphthalate         ND         ug/kg         180         34.         1	NDPA/DPA	ND		ug/kg	140	20.	1
Butyl benzyl phthalate ND ug/kg 180 45. 1  Di-n-butylphthalate ND ug/kg 180 34. 1	n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Di-n-butylphthalate ND ug/kg 180 34. 1	Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
* •	Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-octylphthalate ND ug/kg 180 60. 1	Di-n-butylphthalate	ND		ug/kg	180	34.	1
	Di-n-octylphthalate	ND		ug/kg	180	60.	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-06 Date Collected: 04/23/25 11:35

Client ID: EB-06 (7-7.5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - \	Westborough Lab					
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	ND		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	23.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-06 Date Collected: 04/23/25 11:35

Client ID: EB-06 (7-7.5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Semivolatile Organics by GC/M	S - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1	
Benzoic Acid	ND		ug/kg	580	180	1	
Benzyl Alcohol	ND		ug/kg	180	54.	1	
Carbazole	ND		ug/kg	180	17.	1	
1,4-Dioxane	ND		ug/kg	27	8.2	1	

Tentatively Identified Compounds				
Total TIC Compounds	222	J	ug/kg	1
Unknown	222	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	
2-Fluorophenol	94		25-120	
Phenol-d6	100		10-120	
Nitrobenzene-d5	115		23-120	
2-Fluorobiphenyl	122	Q	30-120	
2,4,6-Tribromophenol	99		10-136	
4-Terphenyl-d14	98		18-120	



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-07 Date Collected: 04/23/25 11:50

Client ID: EB-07 (4-4.5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1.8270E Extraction Date: 04/29/25 03:52

Analytical Method: 1,8270E Extraction Date: 04/29/25 03:52
Analytical Date: 04/30/25 09:20

Analyst: MRG
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Wes	tborough Lab					
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	32	J	ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-07 Date Collected: 04/23/25 11:50

Client ID: EB-07 (4-4.5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - W	estborough Lab					
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	26	J	ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	36	J	ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	30	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	26	J	ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	33	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	97.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-07 Date Collected: 04/23/25 11:50

Client ID: EB-07 (4-4.5) Date Received: 04/24/25
Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Semivolatile Organics by GC/M	S - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1	
Benzoic Acid	ND		ug/kg	650	200	1	
Benzyl Alcohol	ND		ug/kg	200	62.	1	
Carbazole	ND		ug/kg	200	20.	1	
1,4-Dioxane	ND		ug/kg	30	9.3	1	

Tentatively Identified Compounds				
Total TIC Compounds	314	J	ug/kg	1
Unknown	314	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	
2-Fluorophenol	132	Q	25-120	
Phenol-d6	130	Q	10-120	
Nitrobenzene-d5	126	Q	23-120	
2-Fluorobiphenyl	128	Q	30-120	
2,4,6-Tribromophenol	99		10-136	
4-Terphenyl-d14	99		18-120	



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-08 D Date Collected: 04/23/25 12:10

Client ID: EB-08 (3.5-4) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8270E Extraction Date: 04/29/25 03:52

Analytical Method: 1,8270E Extraction Date: 04/29/25 03:52

Analytical Date: 05/01/25 09:53

Analyst: SMZ
Percent Solids: 93%

1,2,4-Trichlorobenzene   ND	Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,2,4-Trichlorobenzene   ND	Semivolatile Organics by GC/MS - W	Vestborough Lab					
1,2,4-Trichlorobenzene         ND         ug/kg         5400         610         30           Hexachlorobenzene         ND         ug/kg         3200         600         30           Bis(2-chloroethyl)ether         ND         ug/kg         4800         730         30           2-Chloronaphthalene         ND         ug/kg         5400         530         30           1,2-Dichlorobenzene         ND         ug/kg         5400         920         30           1,3-Dichlorobenzene         ND         ug/kg         5400         920         30           1,4-Dichlorobenzene         ND         ug/kg         5400         940         30           3,3-Dichlorobenzene         ND         ug/kg         5400         940         30           3,3-Dichlorobenzene         ND         ug/kg         5400         940         30           2,4-Dinitrotoluene         ND         ug/kg         5400         940         30           2,6-Dinitrotoluene         ND         ug/kg         5400         920         30           4-Chlorophenyl phenyl ether         ND         ug/kg         5400         570         30           4-Browophenyl phenyl ether         ND         ug/k	Acenaphthene	ND		ug/kg	4300	560	30
Bis(2-chloroethyl)ether	1,2,4-Trichlorobenzene	ND		ug/kg	5400	610	30
2-Chloronaphthalene         ND         ug/kg         5400         530         30           1,2-Dichlorobenzene         ND         ug/kg         5400         960         30           1,3-Dichlorobenzene         ND         ug/kg         5400         920         30           1,4-Dichlorobenzene         ND         ug/kg         5400         940         30           3,3-Dichlorobenzidine         ND         ug/kg         5400         1400         30           2,4-Dinitrotoluene         ND         ug/kg         5400         1100         30           2,6-Dinitrotoluene         ND         ug/kg         5400         1100         30           2,6-Dinitrotoluene         ND         ug/kg         5400         920         30           1-Loronophenyl phenyl ether         ND         ug/kg         5400         920         30           4-Chlorophenyl phenyl ether         ND         ug/kg         5400         570         30           4-Bromophenyl phenyl ether         ND         ug/kg         5400         570         30           Bis(2-chloroisporopyl)ether         ND         ug/kg         5400         590         30           Bis(2-chloroisporopyl)ether         N	Hexachlorobenzene	ND		ug/kg	3200	600	30
1,2-Dichlorobenzene         ND         ug/kg         5400         960         30           1,3-Dichlorobenzene         ND         ug/kg         5400         920         30           1,4-Dichlorobenzene         ND         ug/kg         5400         940         30           3,3'-Dichlorobenzidine         ND         ug/kg         5400         1400         30           2,4-Dinitrotoluene         ND         ug/kg         5400         1100         30           2,6-Dinitrotoluene         ND         ug/kg         5400         1100         30           Fluoranthene         1200         J         ug/kg         5400         920         30           Fluoranthene         1200         J         ug/kg         5400         920         30           Fluoranthene         ND         ug/kg         5400         570         30           4-Chlorophenyl phenyl ether         ND         ug/kg         5400         820         30           4-Bromophenyl phenyl ether         ND         ug/kg         5400         820         30           4-Bromophenyl phenyl ether         ND         ug/kg         5400         820         30           Bis(2-chlorostophyl)gether	Bis(2-chloroethyl)ether	ND		ug/kg	4800	730	30
1,3-Dichlorobenzene       ND       ug/kg       5400       920       30         1,4-Dichlorobenzene       ND       ug/kg       5400       940       30         3,3'-Dichlorobenzidine       ND       ug/kg       5400       1400       30         2,4-Dinitrotoluene       ND       ug/kg       5400       1100       30         2,6-Dinitrotoluene       ND       ug/kg       5400       920       30         Fluoranthene       1200       J       ug/kg       5400       920       30         Fluoranthene       ND       ug/kg       5400       570       30         4-Chlorophenyl phenyl ether       ND       ug/kg       5400       570       30         4-Bromophenyl phenyl ether       ND       ug/kg       5400       820       30         4-Bromophenyl phenyl ether       ND       ug/kg       5400       820       30         4-Bromophenyl phenyl ether       ND       ug/kg       5400       820       30         4-Bromophenyl phenyl ether       ND       ug/kg       5400       820       30         Bis(2-chloreityophyl) phenyl ether       ND       ug/kg       5800       540       30         Hexach	2-Chloronaphthalene	ND		ug/kg	5400	530	30
1.4-Dichlorobenzene         ND         ug/kg         5400         940         30           3.3'-Dichlorobenzidine         ND         ug/kg         5400         1400         30           2.4-Dinitrotoluene         ND         ug/kg         5400         1100         30           2.6-Dinitrotoluene         ND         ug/kg         5400         920         30           Fluoranthene         1200         J         ug/kg         5400         920         30           4-Chlorophenyl phenyl ether         ND         ug/kg         5400         570         30           4-Bromophenyl phenyl ether         ND         ug/kg         5400         820         30           4-Bromophenyl phenyl ether         ND         ug/kg         5400         820         30           4-Bromophenyl phenyl ether         ND         ug/kg         5400         820         30           4-Bromophenyl phenyl ether         ND         ug/kg         5400         820         30           Bis(2-chlorostopropyl)ether         ND         ug/kg         5400         820         30           Bis(2-chlorostopropyl)ether         ND         ug/kg         5800         540         30           Hexachloro	1,2-Dichlorobenzene	ND		ug/kg	5400	960	30
3.3°-Dichlorobenzidine         ND         ug/kg         5400         1400         30           2.4-Dinitrotoluene         ND         ug/kg         5400         1100         30           2.6-Dinitrotoluene         ND         ug/kg         5400         920         30           Fluoranthene         1200         J         ug/kg         5400         920         30           4-Chlorophenyl phenyl ether         ND         ug/kg         5400         570         30           4-Bromophenyl phenyl ether         ND         ug/kg         5400         820         30           4-Bromophenyl phenyl ether         ND         ug/kg         5400         820         30           4-Bromophenyl phenyl ether         ND         ug/kg         5400         820         30           4-Bromophenyl phenyl ether         ND         ug/kg         6400         920         30           Bis(2-chlorostogorpoyl)ether         ND         ug/kg         6400         920         30           Bis(2-chlorostogorpoyl)ether         ND         ug/kg         5800         540         30           Hexachlorostogorpyllether         ND         ug/kg         5800         540         30           He	1,3-Dichlorobenzene	ND		ug/kg	5400	920	30
2,4-Dinitrotoluene       ND       ug/kg       5400       1100       30         2,6-Dinitrotoluene       ND       ug/kg       5400       920       30         Fluoranthene       1200       J       ug/kg       3200       620       30         4-Chlorophenyl phenyl ether       ND       ug/kg       5400       570       30         4-Bromophenyl phenyl ether       ND       ug/kg       5400       820       30         4-Bromophenyl phenyl ether       ND       ug/kg       6400       920       30         Bis(2-chlorostoropyl)ether       ND       ug/kg       6400       920       30         Bis(2-chloroethoxy)methane       ND       ug/kg       5800       540       30         Hexachlorobutadiene       ND       ug/kg       5400       780       30         Hexachlorocyclopentadiene       ND       ug/kg       4300       870       30         Hexachlorocyclopentadiene       ND       ug/kg       4300       870       30         Isophorone       ND       ug/kg       4800       700       30         Naphthalene       ND       ug/kg       5400       650       30         NDADA/DPA <t< td=""><td>1,4-Dichlorobenzene</td><td>ND</td><td></td><td>ug/kg</td><td>5400</td><td>940</td><td>30</td></t<>	1,4-Dichlorobenzene	ND		ug/kg	5400	940	30
2,6-Dinitrotoluene         ND         ug/kg         5400         920         30           Fluoranthene         1200         J         ug/kg         3200         620         30           4-Chlorophenyl phenyl ether         ND         ug/kg         5400         570         30           4-Bromophenyl phenyl ether         ND         ug/kg         5400         820         30           Bis(2-chlorostoropyl)ether         ND         ug/kg         6400         920         30           Bis(2-chloroethoxy)methane         ND         ug/kg         5800         540         30           Bis(2-chloroethoxy)methane         ND         ug/kg         5800         540         30           Hexachlorobutadiene         ND         ug/kg         5400         780         30           Hexachlorocyclopentadiene         ND         ug/kg         4500         780         30           Hexachlorocyclopentadiene         ND         ug/kg         4300         870         30           Isophorone         ND         ug/kg         4800         700         30           Naphthalene         ND         ug/kg         5400         650         30           NItrobenzene         ND <td>3,3'-Dichlorobenzidine</td> <td>ND</td> <td></td> <td>ug/kg</td> <td>5400</td> <td>1400</td> <td>30</td>	3,3'-Dichlorobenzidine	ND		ug/kg	5400	1400	30
Fluoranthene   1200	2,4-Dinitrotoluene	ND		ug/kg	5400	1100	30
4-Chlorophenyl phenyl ether       ND       ug/kg       5400       570       30         4-Bromophenyl phenyl ether       ND       ug/kg       5400       820       30         Bis(2-chloroisopropyl)ether       ND       ug/kg       6400       920       30         Bis(2-chloroethoxy)methane       ND       ug/kg       5800       540       30         Hexachlorobutadiene       ND       ug/kg       5400       780       30         Hexachlorocyclopentadiene       ND       ug/kg       15000       4900       30         Hexachloroethane       ND       ug/kg       4300       870       30         Isophorone       ND       ug/kg       4800       700       30         Naphthalene       ND       ug/kg       5400       650       30         Nitrobenzene       ND       ug/kg       4800       790       30         NDPA/DPA       ND       ug/kg       4300       610       30         NDPA/DPA       ND       ug/kg       5400       830       30         Bis(2-ethylhexyl)phthalate       ND       ug/kg       5400       1800       30         Butyl benzyl phthalate       ND       ug/kg	2,6-Dinitrotoluene	ND		ug/kg	5400	920	30
4-Bromophenyl phenyl ether       ND       ug/kg       5400       820       30         Bis(2-chloroisopropyl)ether       ND       ug/kg       6400       920       30         Bis(2-chloroethoxy)methane       ND       ug/kg       5800       540       30         Hexachlorobutadiene       ND       ug/kg       5400       780       30         Hexachlorocyclopentadiene       ND       ug/kg       15000       4900       30         Hexachloroethane       ND       ug/kg       4300       870       30         Isophorone       ND       ug/kg       4800       700       30         Naphthalene       ND       ug/kg       5400       650       30         Nitrobenzene       ND       ug/kg       4800       790       30         NDPA/DPA       ND       ug/kg       4300       610       30         n-Nitrosodi-n-propylamine       ND       ug/kg       5400       830       30         Bis(2-ethylhexyl)phthalate       ND       ug/kg       5400       1800       30         Butyl benzyl phthalate       ND       ug/kg       5400       1400       30         Di-n-butylphthalate       ND       ug	Fluoranthene	1200	J	ug/kg	3200	620	30
Bis(2-chloroisopropyl)ether         ND         ug/kg         6400         920         30           Bis(2-chloroethoxy)methane         ND         ug/kg         5800         540         30           Hexachlorobutadiene         ND         ug/kg         5400         780         30           Hexachlorocyclopentadiene         ND         ug/kg         15000         4900         30           Hexachloroethane         ND         ug/kg         4300         870         30           Isophorone         ND         ug/kg         4800         700         30           Naphthalene         ND         ug/kg         5400         650         30           Nitrobenzene         ND         ug/kg         4800         790         30           NDPA/DPA         ND         ug/kg         4300         610         30           n-Nitrosodi-n-propylamine         ND         ug/kg         5400         830         30           Bis(2-ethylhexyl)phthalate         ND         ug/kg         5400         1800         30           Butyl benzyl phthalate         ND         ug/kg         5400         1400         30	4-Chlorophenyl phenyl ether	ND		ug/kg	5400	570	30
Bis(2-chloroethoxy)methane         ND         ug/kg         5800         540         30           Hexachlorobutadiene         ND         ug/kg         5400         780         30           Hexachlorocyclopentadiene         ND         ug/kg         15000         4900         30           Hexachloroethane         ND         ug/kg         4300         870         30           Isophorone         ND         ug/kg         4800         700         30           Naphthalene         ND         ug/kg         5400         650         30           Nitrobenzene         ND         ug/kg         4800         790         30           NDPA/DPA         ND         ug/kg         4300         610         30           n-Nitrosodi-n-propylamine         ND         ug/kg         5400         830         30           Bis(2-ethylhexyl)phthalate         ND         ug/kg         5400         1800         30           Butyl benzyl phthalate         ND         ug/kg         5400         1400         30           Di-n-butylphthalate         ND         ug/kg         5400         1000         30	4-Bromophenyl phenyl ether	ND		ug/kg	5400	820	30
Hexachlorobutadiene         ND         ug/kg         5400         780         30           Hexachlorocyclopentadiene         ND         ug/kg         15000         4900         30           Hexachloroethane         ND         ug/kg         4300         870         30           Isophorone         ND         ug/kg         4800         700         30           Naphthalene         ND         ug/kg         5400         650         30           Nitrobenzene         ND         ug/kg         4800         790         30           NDPA/DPA         ND         ug/kg         4300         610         30           n-Nitrosodi-n-propylamine         ND         ug/kg         5400         830         30           Bis(2-ethylhexyl)phthalate         ND         ug/kg         5400         1800         30           Butyl benzyl phthalate         ND         ug/kg         5400         1400         30           Di-n-butylphthalate         ND         ug/kg         5400         1000         30	Bis(2-chloroisopropyl)ether	ND		ug/kg	6400	920	30
Hexachlorocyclopentadiene         ND         ug/kg         15000         4900         30           Hexachlorocethane         ND         ug/kg         4300         870         30           Isophorone         ND         ug/kg         4800         700         30           Naphthalene         ND         ug/kg         5400         650         30           Nitrobenzene         ND         ug/kg         4800         790         30           NDPA/DPA         ND         ug/kg         4300         610         30           n-Nitrosodi-n-propylamine         ND         ug/kg         5400         830         30           Bis(2-ethylhexyl)phthalate         ND         ug/kg         5400         1800         30           Butyl benzyl phthalate         ND         ug/kg         5400         1400         30           Di-n-butylphthalate         ND         ug/kg         5400         1000         30	Bis(2-chloroethoxy)methane	ND		ug/kg	5800	540	30
Hexachloroethane         ND         ug/kg         4300         870         30           Isophorone         ND         ug/kg         4800         700         30           Naphthalene         ND         ug/kg         5400         650         30           Nitrobenzene         ND         ug/kg         4800         790         30           NDPA/DPA         ND         ug/kg         4300         610         30           n-Nitrosodi-n-propylamine         ND         ug/kg         5400         830         30           Bis(2-ethylhexyl)phthalate         ND         ug/kg         5400         1800         30           Butyl benzyl phthalate         ND         ug/kg         5400         1400         30           Di-n-butylphthalate         ND         ug/kg         5400         1000         30	Hexachlorobutadiene	ND		ug/kg	5400	780	30
ND	Hexachlorocyclopentadiene	ND		ug/kg	15000	4900	30
Naphthalene         ND         ug/kg         5400         650         30           Nitrobenzene         ND         ug/kg         4800         790         30           NDPA/DPA         ND         ug/kg         4300         610         30           n-Nitrosodi-n-propylamine         ND         ug/kg         5400         830         30           Bis(2-ethylhexyl)phthalate         ND         ug/kg         5400         1800         30           Butyl benzyl phthalate         ND         ug/kg         5400         1400         30           Di-n-butylphthalate         ND         ug/kg         5400         1000         30	Hexachloroethane	ND		ug/kg	4300	870	30
Nitrobenzene         ND         ug/kg         4800         790         30           NDPA/DPA         ND         ug/kg         4300         610         30           n-Nitrosodi-n-propylamine         ND         ug/kg         5400         830         30           Bis(2-ethylhexyl)phthalate         ND         ug/kg         5400         1800         30           Butyl benzyl phthalate         ND         ug/kg         5400         1400         30           Di-n-butylphthalate         ND         ug/kg         5400         1000         30	Isophorone	ND		ug/kg	4800	700	30
NDPA/DPA         ND         ug/kg         4300         610         30           n-Nitrosodi-n-propylamine         ND         ug/kg         5400         830         30           Bis(2-ethylhexyl)phthalate         ND         ug/kg         5400         1800         30           Butyl benzyl phthalate         ND         ug/kg         5400         1400         30           Di-n-butylphthalate         ND         ug/kg         5400         1000         30	Naphthalene	ND		ug/kg	5400	650	30
n-Nitrosodi-n-propylamine         ND         ug/kg         5400         830         30           Bis(2-ethylhexyl)phthalate         ND         ug/kg         5400         1800         30           Butyl benzyl phthalate         ND         ug/kg         5400         1400         30           Di-n-butylphthalate         ND         ug/kg         5400         1000         30	Nitrobenzene	ND		ug/kg	4800	790	30
Bis(2-ethylhexyl)phthalate         ND         ug/kg         5400         1800         30           Butyl benzyl phthalate         ND         ug/kg         5400         1400         30           Di-n-butylphthalate         ND         ug/kg         5400         1000         30	NDPA/DPA	ND		ug/kg	4300	610	30
Butyl benzyl phthalate         ND         ug/kg         5400         1400         30           Di-n-butylphthalate         ND         ug/kg         5400         1000         30	n-Nitrosodi-n-propylamine	ND		ug/kg	5400	830	30
Di-n-butylphthalate ND ug/kg 5400 1000 30	Bis(2-ethylhexyl)phthalate	ND		ug/kg	5400	1800	30
	Butyl benzyl phthalate	ND		ug/kg	5400	1400	30
Di-n-octylphthalate ND ug/kg 5400 1800 30	Di-n-butylphthalate	ND		ug/kg	5400	1000	30
$\cdot$ , $\cdot$	Di-n-octylphthalate	ND		ug/kg	5400	1800	30



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-08 D Date Collected: 04/23/25 12:10

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - V	Vestborough Lab					
Diethyl phthalate	ND		ug/kg	5400	500	30
Dimethyl phthalate	ND		ug/kg	5400	1100	30
Benzo(a)anthracene	890	J	ug/kg	3200	600	30
Benzo(a)pyrene	ND		ug/kg	4300	1300	30
Benzo(b)fluoranthene	ND		ug/kg	3200	900	30
Benzo(k)fluoranthene	ND		ug/kg	3200	860	30
Chrysene	750	J	ug/kg	3200	560	30
Acenaphthylene	ND		ug/kg	4300	830	30
Anthracene	ND		ug/kg	3200	1000	30
Benzo(ghi)perylene	ND		ug/kg	4300	630	30
Fluorene	ND		ug/kg	5400	520	30
Phenanthrene	690	J	ug/kg	3200	650	30
Dibenzo(a,h)anthracene	ND		ug/kg	3200	620	30
Indeno(1,2,3-cd)pyrene	ND		ug/kg	4300	750	30
Pyrene	1200	J	ug/kg	3200	530	30
Biphenyl	ND		ug/kg	12000	700	30
4-Chloroaniline	ND		ug/kg	5400	980	30
2-Nitroaniline	ND		ug/kg	5400	1000	30
3-Nitroaniline	ND		ug/kg	5400	1000	30
4-Nitroaniline	ND		ug/kg	5400	2200	30
Dibenzofuran	ND		ug/kg	5400	510	30
2-Methylnaphthalene	ND		ug/kg	6400	650	30
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	5400	560	30
Acetophenone	ND		ug/kg	5400	660	30
2,4,6-Trichlorophenol	ND		ug/kg	3200	1000	30
p-Chloro-m-cresol	ND		ug/kg	5400	800	30
2-Chlorophenol	ND		ug/kg	5400	630	30
2,4-Dichlorophenol	ND		ug/kg	4800	860	30
2,4-Dimethylphenol	ND		ug/kg	5400	1800	30
2-Nitrophenol	ND		ug/kg	12000	2000	30
4-Nitrophenol	ND		ug/kg	7500	2200	30
2,4-Dinitrophenol	ND		ug/kg	26000	2500	30
4,6-Dinitro-o-cresol	ND		ug/kg	14000	2600	30
Pentachlorophenol	ND		ug/kg	4300	1200	30
Phenol	ND		ug/kg	5400	810	30
2-Methylphenol	ND		ug/kg	5400	830	30
3-Methylphenol/4-Methylphenol	ND		ug/kg	7700	840	30
71 71			5 5			



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-08 D Date Collected: 04/23/25 12:10

Client ID: EB-08 (3.5-4) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS	S - Westborough Lab					
2,4,5-Trichlorophenol	ND		ug/kg	5400	1000	30
Benzoic Acid	ND		ug/kg	17000	5400	30
Benzyl Alcohol	ND		ug/kg	5400	1600	30
Carbazole	ND		ug/kg	5400	520	30
1,4-Dioxane	ND		ug/kg	800	250	30

Surrogate		% Recovery	Qualifier	Acceptance Criteria	
o Tentatively Identified Compounds	ND	ug/kg			10
entatively Identified Compounds					

Surrogate	% Recovery	Qualifier	Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0	Q	10-136
4-Terphenyl-d14	0	Q	18-120



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-09 D Date Collected: 04/23/25 13:15

Client ID: EB-09 (4.5-5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1.8270E Extraction Date: 04/29/25 03:52

Analytical Method: 1,8270E Extraction Date: 04/29/25 03:52
Analytical Date: 05/01/25 09:35

Analyst: SMZ
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Wes	tborough Lab					
Acenaphthene	ND		ug/kg	3000	380	20
1.2.4-Trichlorobenzene	ND		ug/kg	3700	420	20
Hexachlorobenzene	ND		ug/kg	2200	420	20
Bis(2-chloroethyl)ether	ND		ug/kg	3300	500	20
2-Chloronaphthalene	ND		ug/kg	3700	370	20
1,2-Dichlorobenzene	ND		ug/kg	3700	670	20
1,3-Dichlorobenzene	ND		ug/kg	3700	640	20
1,4-Dichlorobenzene	ND		ug/kg	3700	650	20
3,3'-Dichlorobenzidine	ND		ug/kg	3700	990	20
2,4-Dinitrotoluene	ND		ug/kg	3700	740	20
2,6-Dinitrotoluene	ND		ug/kg	3700	640	20
Fluoranthene	ND		ug/kg	2200	430	20
4-Chlorophenyl phenyl ether	ND		ug/kg	3700	400	20
4-Bromophenyl phenyl ether	ND		ug/kg	3700	570	20
Bis(2-chloroisopropyl)ether	ND		ug/kg	4500	630	20
Bis(2-chloroethoxy)methane	ND		ug/kg	4000	370	20
Hexachlorobutadiene	ND		ug/kg	3700	540	20
Hexachlorocyclopentadiene	ND		ug/kg	11000	3400	20
Hexachloroethane	ND		ug/kg	3000	600	20
Isophorone	ND		ug/kg	3300	480	20
Naphthalene	ND		ug/kg	3700	450	20
Nitrobenzene	ND		ug/kg	3300	550	20
NDPA/DPA	ND		ug/kg	3000	420	20
n-Nitrosodi-n-propylamine	ND		ug/kg	3700	570	20
Bis(2-ethylhexyl)phthalate	ND		ug/kg	3700	1300	20
Butyl benzyl phthalate	ND		ug/kg	3700	940	20
Di-n-butylphthalate	ND		ug/kg	3700	700	20
Di-n-octylphthalate	ND		ug/kg	3700	1300	20



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-09 D Date Collected: 04/23/25 13:15

Client ID: EB-09 (4.5-5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS -	Westborough Lab					
Diethyl phthalate	ND		ug/kg	3700	340	20
Dimethyl phthalate	ND		ug/kg	3700	780	20
Benzo(a)anthracene	ND		ug/kg	2200	420	20
Benzo(a)pyrene	ND		ug/kg	3000	910	20
Benzo(b)fluoranthene	ND		ug/kg	2200	620	20
Benzo(k)fluoranthene	ND		ug/kg	2200	590	20
Chrysene	ND		ug/kg	2200	390	20
Acenaphthylene	ND		ug/kg	3000	570	20
Anthracene	ND		ug/kg	2200	720	20
Benzo(ghi)perylene	ND		ug/kg	3000	440	20
Fluorene	ND		ug/kg	3700	360	20
Phenanthrene	ND		ug/kg	2200	450	20
Dibenzo(a,h)anthracene	ND		ug/kg	2200	430	20
Indeno(1,2,3-cd)pyrene	ND		ug/kg	3000	520	20
Pyrene	ND		ug/kg	2200	370	20
Biphenyl	ND		ug/kg	8500	480	20
4-Chloroaniline	ND		ug/kg	3700	680	20
2-Nitroaniline	ND		ug/kg	3700	720	20
3-Nitroaniline	ND		ug/kg	3700	700	20
4-Nitroaniline	ND		ug/kg	3700	1500	20
Dibenzofuran	ND		ug/kg	3700	350	20
2-Methylnaphthalene	ND		ug/kg	4500	450	20
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	3700	390	20
Acetophenone	ND		ug/kg	3700	460	20
2,4,6-Trichlorophenol	ND		ug/kg	2200	700	20
p-Chloro-m-cresol	ND		ug/kg	3700	550	20
2-Chlorophenol	ND		ug/kg	3700	440	20
2,4-Dichlorophenol	ND		ug/kg	3300	600	20
2,4-Dimethylphenol	ND		ug/kg	3700	1200	20
2-Nitrophenol	ND		ug/kg	8000	1400	20
4-Nitrophenol	ND		ug/kg	5200	1500	20
2,4-Dinitrophenol	ND		ug/kg	18000	1700	20
4,6-Dinitro-o-cresol	ND		ug/kg	9700	1800	20
Pentachlorophenol	ND		ug/kg	3000	820	20
Phenol	ND		ug/kg	3700	560	20
2-Methylphenol	ND		ug/kg	3700	580	20
3-Methylphenol/4-Methylphenol	ND		ug/kg	5400	580	20



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-09 D Date Collected: 04/23/25 13:15

Client ID: EB-09 (4.5-5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor			
Semivolatile Organics by GC/MS - Westborough Lab									
2,4,5-Trichlorophenol	ND		ug/kg	3700	710	20			
Benzoic Acid	ND		ug/kg	12000	3800	20			
Benzyl Alcohol	ND		ug/kg	3700	1100	20			
Carbazole	ND		ug/kg	3700	360	20			
1,4-Dioxane	ND		ug/kg	560	170	20			

Surrogate		% Recovery	Qualifier	Acceptance Criteria	
lo Tentatively Identified Compounds	ND	ug/kg			10
entatively Identified Compounds					

Surrogate	% Recovery	Qualifier	Acceptance Criteria	
2-Fluorophenol	0	Q	25-120	
Phenol-d6	0	Q	10-120	
Nitrobenzene-d5	0	Q	23-120	
2-Fluorobiphenyl	0	Q	30-120	
2,4,6-Tribromophenol	0	Q	10-136	
4-Terphenyl-d14	0	Q	18-120	



Project Name: 13968

Project Number: 13968

Lab Number: L2525183

Report Date:

#### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E Analytical Date: 05/01/25 01:21

Analyst: SMZ

Extraction Method: EPA 3546 Extraction Date: 04/29/25 03:52

05/06/25

Parameter	Result	Qualifier	Units	RL		MDL
Semivolatile Organics by GC/MS -	Westborough	Lab for s	ample(s):	01-09	Batch:	WG2059867-1
Acenaphthene	ND		ug/kg	130		17.
1,2,4-Trichlorobenzene	ND		ug/kg	160		19.
Hexachlorobenzene	ND		ug/kg	99		18.
Bis(2-chloroethyl)ether	ND		ug/kg	150		22.
2-Chloronaphthalene	ND		ug/kg	160		16.
1,2-Dichlorobenzene	ND		ug/kg	160		30.
1,3-Dichlorobenzene	ND		ug/kg	160		28.
1,4-Dichlorobenzene	ND		ug/kg	160		29.
3,3'-Dichlorobenzidine	ND		ug/kg	160		44.
2,4-Dinitrotoluene	ND		ug/kg	160		33.
2,6-Dinitrotoluene	ND		ug/kg	160		28.
Fluoranthene	ND		ug/kg	99		19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160		18.
4-Bromophenyl phenyl ether	ND		ug/kg	160		25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200		28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180		16.
Hexachlorobutadiene	ND		ug/kg	160		24.
Hexachlorocyclopentadiene	ND		ug/kg	470		150
Hexachloroethane	ND		ug/kg	130		27.
Isophorone	ND		ug/kg	150		21.
Naphthalene	ND		ug/kg	160		20.
Nitrobenzene	ND		ug/kg	150		24.
NDPA/DPA	ND		ug/kg	130		19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160		25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160		57.
Butyl benzyl phthalate	ND		ug/kg	160		42.
Di-n-butylphthalate	ND		ug/kg	160		31.
Di-n-octylphthalate	ND		ug/kg	160		56.
Diethyl phthalate	ND		ug/kg	160		15.



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E Extraction Method: EPA 3546
Analytical Date: 05/01/25 01:21 Extraction Date: 04/29/25 03:52

Analyst: SMZ

arameter	Result	Qualifier	Units	RL		MDL
emivolatile Organics by GC/N	/IS - Westborough	Lab for s	ample(s):	01-09	Batch:	WG2059867-1
Dimethyl phthalate	ND		ug/kg	160		35.
Benzo(a)anthracene	ND		ug/kg	99		18.
Benzo(a)pyrene	ND		ug/kg	130		40.
Benzo(b)fluoranthene	ND		ug/kg	99		28.
Benzo(k)fluoranthene	ND		ug/kg	99		26.
Chrysene	ND		ug/kg	99		17.
Acenaphthylene	ND		ug/kg	130		25.
Anthracene	ND		ug/kg	99		32.
Benzo(ghi)perylene	ND		ug/kg	130		19.
Fluorene	ND		ug/kg	160		16.
Phenanthrene	ND		ug/kg	99		20.
Dibenzo(a,h)anthracene	ND		ug/kg	99		19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130		23.
Pyrene	ND		ug/kg	99		16.
Biphenyl	ND		ug/kg	380		21.
4-Chloroaniline	ND		ug/kg	160		30.
2-Nitroaniline	ND		ug/kg	160		32.
3-Nitroaniline	ND		ug/kg	160		31.
4-Nitroaniline	ND		ug/kg	160		68.
Dibenzofuran	ND		ug/kg	160		16.
2-Methylnaphthalene	ND		ug/kg	200		20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160		17.
Acetophenone	ND		ug/kg	160		20.
2,4,6-Trichlorophenol	ND		ug/kg	99		31.
p-Chloro-m-cresol	ND		ug/kg	160		24.
2-Chlorophenol	ND		ug/kg	160		20.
2,4-Dichlorophenol	ND		ug/kg	150		26.
2,4-Dimethylphenol	ND		ug/kg	160		54.
2-Nitrophenol	ND		ug/kg	360		62.



Project Name: 13968

Project Number: 13968

Lab Number:

L2525183

**Report Date:** 05/06/25

#### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E Analytical Date: 05/01/25 01:21

Tentatively Identified Compounds

No Tentatively Identified Compounds

Analyst: SMZ

Extraction Method: EPA 3546

Extraction Date: 04/29/25 03:52

Parameter	Result	Qualifier	Units	RL		MDL
Semivolatile Organics by GC/MS	S - Westborough	n Lab for s	ample(s):	01-09	Batch:	WG2059867-1
4-Nitrophenol	ND		ug/kg	230		67.
2,4-Dinitrophenol	ND		ug/kg	790		77.
4,6-Dinitro-o-cresol	ND		ug/kg	430		79.
Pentachlorophenol	ND		ug/kg	130		36.
Phenol	ND		ug/kg	160		25.
2-Methylphenol	ND		ug/kg	160		26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240		26.
2,4,5-Trichlorophenol	ND		ug/kg	160		32.
Benzoic Acid	ND		ug/kg	530		170
Benzyl Alcohol	ND		ug/kg	160		50.
Carbazole	ND		ug/kg	160		16.
1,4-Dioxane	ND		ug/kg	25		7.6

ug/kg

Surrogate	%Recovery	Acceptance Qualifier Criteria
2-Fluorophenol	81	25-120
Phenol-d6	83	10-120
Nitrobenzene-d5	78	23-120
2-Fluorobiphenyl	86	30-120
2,4,6-Tribromophenol	65	10-136
4-Terphenyl-d14	78	18-120

ND



**Project Name:** 13968

13968

**Project Number:** 

Lab Number: Report Date:

L2525183

05/06/25

Parameter	LCS %Recovery	LCSD Qual %Recovery	%Recovery Qual Limits	RPD	RPD Qual Limits
Semivolatile Organics by GC/MS - Westbo	orough Lab As	sociated sample(s): 01-09	Batch: WG2059867-2	WG2059867-3	
Acenaphthene	89	84	31-137	6	50
1,2,4-Trichlorobenzene	97	95	38-107	2	50
Hexachlorobenzene	88	81	40-140	8	50
Bis(2-chloroethyl)ether	94	89	40-140	5	50
2-Chloronaphthalene	96	93	40-140	3	50
1,2-Dichlorobenzene	83	81	40-140	2	50
1,3-Dichlorobenzene	86	79	40-140	8	50
1,4-Dichlorobenzene	85	81	28-104	5	50
3,3'-Dichlorobenzidine	74	76	40-140	3	50
2,4-Dinitrotoluene	108	103	40-132	5	50
2,6-Dinitrotoluene	112	108	40-140	4	50
Fluoranthene	93	91	40-140	2	50
4-Chlorophenyl phenyl ether	102	98	40-140	4	50
4-Bromophenyl phenyl ether	102	92	40-140	10	50
Bis(2-chloroisopropyl)ether	85	80	40-140	6	50
Bis(2-chloroethoxy)methane	98	93	40-117	5	50
Hexachlorobutadiene	101	100	40-140	1	50
Hexachlorocyclopentadiene	127	127	40-140	0	50
Hexachloroethane	92	88	40-140	4	50
Isophorone	99	94	40-140	5	50
Naphthalene	95	93	40-140	2	50
Nitrobenzene	96	92	40-140	4	50
NDPA/DPA	97	91	36-157	6	50



Project Name: 13968

**Project Number:** 

13968

Lab Number: L2525183

Report Date:

05/06/25

arameter	LCS %Recovery	Qual %	LCSD Recovery	Qual	%Recovery Limits	RPD	RPD Qual Limits	
emivolatile Organics by GC/MS -	Westborough Lab Asso	ociated sample(s	s): 01 <b>-</b> 09	Batch:	WG2059867-2	WG2059867-3		
n-Nitrosodi-n-propylamine	94		89		32-121	5	50	
Bis(2-ethylhexyl)phthalate	108		95		40-140	13	50	
Butyl benzyl phthalate	101		96		40-140	5	50	
Di-n-butylphthalate	100		93		40-140	7	50	
Di-n-octylphthalate	111		102		40-140	8	50	
Diethyl phthalate	100		92		40-140	8	50	
Dimethyl phthalate	109		104		40-140	5	50	
Benzo(a)anthracene	101		95		40-140	6	50	
Benzo(a)pyrene	98		101		40-140	3	50	
Benzo(b)fluoranthene	95		95		40-140	0	50	
Benzo(k)fluoranthene	96		96		40-140	0	50	
Chrysene	98		92		40-140	6	50	
Acenaphthylene	107		104		40-140	3	50	
Anthracene	96		91		40-140	5	50	
Benzo(ghi)perylene	100		99		40-140	1	50	
Fluorene	97		90		40-140	7	50	
Phenanthrene	90		88		40-140	2	50	
Dibenzo(a,h)anthracene	95		93		40-140	2	50	
Indeno(1,2,3-cd)pyrene	94		94		40-140	0	50	
Pyrene	94		91		35-142	3	50	
Biphenyl	96		92		37-127	4	50	
4-Chloroaniline	44		65		40-140	39	50	
2-Nitroaniline	105		105		47-134	0	50	



Project Name: 13968

**Project Number:** 

13968

Lab Number: L2525183

**Report Date:** 05/06/25

ameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	RPD Qual Limits
mivolatile Organics by GC/MS - We	stborough Lab Ass	sociated san	nple(s): 01-09	Batch: \	WG2059867-2 W	G2059867-3	
3-Nitroaniline	62		61		26-129	2	50
4-Nitroaniline	96		90		41-125	6	50
Dibenzofuran	97		91		40-140	6	50
2-Methylnaphthalene	86		85		40-140	1	50
1,2,4,5-Tetrachlorobenzene	108		104		40-117	4	50
Acetophenone	97		95		14-144	2	50
2,4,6-Trichlorophenol	120		115		30-130	4	50
p-Chloro-m-cresol	113	Q	110	Q	26-103	3	50
2-Chlorophenol	97		93		25-102	4	50
2,4-Dichlorophenol	100		94		30-130	6	50
2,4-Dimethylphenol	115		111		30-130	4	50
2-Nitrophenol	106		98		30-130	8	50
4-Nitrophenol	125	Q	113		11-114	10	50
2,4-Dinitrophenol	107		99		4-130	8	50
4,6-Dinitro-o-cresol	116		104		10-130	11	50
Pentachlorophenol	93		86		17-109	8	50
Phenol	101	Q	96	Q	26-90	5	50
2-Methylphenol	102		99		30-130.	3	50
3-Methylphenol/4-Methylphenol	101		98		30-130	3	50
2,4,5-Trichlorophenol	118		112		30-130	5	50
Benzoic Acid	103		107		10-110	4	50
Benzyl Alcohol	106		102		40-140	4	50
Carbazole	96		92		54-128	4	50



**Project Name:** 13968 **Project Number:** 

13968

Lab Number:

L2525183

Report Date:

05/06/25

Parameter	LCS %Recovery		LCSD Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	
Semivolatile Organics by GC/MS - We	stborough Lab Assoc	ciated sample(s	): 01-09	Batch:	WG2059867-2	WG2059867-3			
1,4-Dioxane	82		76		40-140	8		50	

Surrogate	LCS %Recovery Qual	LCSD %Recovery Qual	Acceptance Criteria
2-Fluorophenol	91	91	25-120
Phenol-d6	95	91	10-120
Nitrobenzene-d5	93	88	23-120
2-Fluorobiphenyl	95	94	30-120
2,4,6-Tribromophenol	86	80	10-136
4-Terphenyl-d14	86	82	18-120



### **PCBS**



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-01 Date Collected: 04/23/25 09:40

Client ID: EB-01 (2-2.5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8082A Extraction Date: 04/29/25 14:22
Analytical Date: 04/29/25 23:59 Cleanup Method: EPA 3665A

Analyst: MEO Cleanup Date: 04/29/25
Percent Solids: 90% Cleanup Method: EPA 3660B
Cleanup Date: 04/29/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - We	estborough Lab						
Aroclor 1016	ND		ug/kg	51.4	4.56	1	Α
Aroclor 1221	ND		ug/kg	51.4	5.15	1	Α
Aroclor 1232	ND		ug/kg	51.4	10.9	1	Α
Aroclor 1242	ND		ug/kg	51.4	6.93	1	Α
Aroclor 1248	ND		ug/kg	51.4	7.71	1	Α
Aroclor 1254	ND		ug/kg	51.4	5.62	1	Α
Aroclor 1260	ND		ug/kg	51.4	9.50	1	Α
Aroclor 1262	ND		ug/kg	51.4	6.53	1	Α
Aroclor 1268	ND		ug/kg	51.4	5.33	1	Α
PCBs, Total	ND		ug/kg	51.4	4.56	1	Α

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	Α
Decachlorobiphenyl	54		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	72		30-150	В
Decachlorobiphenyl	52		30-150	В



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2525183-02 Date Collected: 04/23/25 10:10

Client ID: EB-02 (3-3.5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8082A Extraction Date: 04/29/25 03:18

Analytical Date: 04/29/25 19:45 Cleanup Method: EPA 3665A
Analyst: MEO Cleanup Date: 04/29/25
Percent Solids: 89% Cleanup Method: EPA 3660B

Cleanup Date: 04/29/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - West	borough Lab						
Aroclor 1016	ND		ug/kg	53.3	4.73	1	Α
Aroclor 1221	ND		ug/kg	53.3	5.34	 1	A
Aroclor 1232	ND		ug/kg	53.3	11.3	1	Α
Aroclor 1242	ND		ug/kg	53.3	7.19	1	Α
Aroclor 1248	ND		ug/kg	53.3	8.00	1	Α
Aroclor 1254	ND		ug/kg	53.3	5.83	1	Α
Aroclor 1260	ND		ug/kg	53.3	9.85	1	Α
Aroclor 1262	ND		ug/kg	53.3	6.77	1	Α
Aroclor 1268	ND		ug/kg	53.3	5.52	1	Α
PCBs, Total	ND		ug/kg	53.3	4.73	1	Α

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	Α
Decachlorobiphenyl	41		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	64		30-150	В
Decachlorobiphenyl	41		30-150	В



4.78

1

Α

53.8

Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-03 Date Collected: 04/23/25 10:30

Client ID: EB-03 (2.5-3) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8082A Extraction Date: 04/29/25 03:18
Analytical Date: 04/29/25 19:54 Cleanup Method: EPA 3665A

Analyst: MEO Cleanup Date: 04/29/25
Percent Solids: 90% Cleanup Date: 04/29/25
Cleanup Method: EPA 3660B
Cleanup Date: 04/29/25

Qualifier Units RLMDL **Parameter** Result **Dilution Factor** Column Polychlorinated Biphenyls by GC - Westborough Lab Aroclor 1016 ND ug/kg 53.8 4.78 1 Α Aroclor 1221 ND ug/kg 53.8 5.40 1 Α Aroclor 1232 ND ug/kg 53.8 11.4 1 Α ND Aroclor 1242 ug/kg 53.8 7.26 1 Α Aroclor 1248 ND ug/kg 53.8 8.08 1 Α Aroclor 1254 ND ug/kg 53.8 5.89 1 Α ND Aroclor 1260 ug/kg 53.8 9.95 1 Α Aroclor 1262 ND 53.8 6.84 1 Α ug/kg Aroclor 1268 ND ug/kg 53.8 5.58 1 Α

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	Α
Decachlorobiphenyl	53		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	71		30-150	В
Decachlorobiphenyl	53		30-150	В

ug/kg

ND



PCBs, Total

Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-04 Date Collected: 04/23/25 10:50

Client ID: EB-04 (1.5-2) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8082A Extraction Date: 04/29/25 03:18

Analytical Date: 04/29/25 20:02 Cleanup Method: EPA 3665A
Analyst: MEO Cleanup Date: 04/29/25
Percent Solids: 91% Cleanup Method: EPA 3660B

Percent Solids: 91% Cleanup Method: EPA 3660 Cleanup Date: 04/29/25

Parameter	Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column
Polychlorinated Biphenyls by GC - Westbo	rough Lab						
Aroclor 1016	ND		ug/kg	51.8	4.60	1	Α
Aroclor 1221	ND		ug/kg	51.8	5.18	1	Α
Aroclor 1232	ND		ug/kg	51.8	11.0	1	Α
Aroclor 1242	ND		ug/kg	51.8	6.98	1	Α
Aroclor 1248	ND		ug/kg	51.8	7.76	1	Α
Aroclor 1254	ND		ug/kg	51.8	5.66	1	Α
Aroclor 1260	ND		ug/kg	51.8	9.56	1	Α
Aroclor 1262	ND		ug/kg	51.8	6.57	1	Α
Aroclor 1268	ND		ug/kg	51.8	5.36	1	Α
PCBs, Total	ND		ug/kg	51.8	4.60	1	Α

O	a. =		Acceptance	
Surrogate	% Recovery	Qualifier	Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	Α
Decachlorobiphenyl	74		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	86		30-150	В
Decachlorobiphenyl	72		30-150	В



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-05 Date Collected: 04/23/25 11:15

Client ID: EB-05 (4.5-5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8082A Extraction Date: 04/29/25 03:18

Analytical Date: 04/29/25 20:10 Cleanup Method: EPA 3665A Analyst: MEO Cleanup Date: 04/29/25

Percent Solids: 97% Cleanup Method: EPA 3660B Cleanup Date: 04/29/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Wes	stborough Lab						
Associate 4040	ND			40.0	4.00	4	۸
Aroclor 1016	ND		ug/kg	49.3	4.38	1	Α
Aroclor 1221	ND		ug/kg	49.3	4.94	1	Α
Aroclor 1232	ND		ug/kg	49.3	10.4	1	Α
Aroclor 1242	ND		ug/kg	49.3	6.64	1	Α
Aroclor 1248	ND		ug/kg	49.3	7.39	1	Α
Aroclor 1254	ND		ug/kg	49.3	5.39	1	Α
Aroclor 1260	ND		ug/kg	49.3	9.11	1	Α
Aroclor 1262	ND		ug/kg	49.3	6.26	1	Α
Aroclor 1268	ND		ug/kg	49.3	5.11	1	Α
PCBs, Total	ND		ug/kg	49.3	4.38	1	Α

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
	// Necovery	Qualifiei		Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	Α
Decachlorobiphenyl	75		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	88		30-150	В
Decachlorobiphenyl	75		30-150	В



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-06 Date Collected: 04/23/25 11:35

Client ID: EB-06 (7-7.5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8082A Extraction Date: 04/29/25 03:18
Analytical Date: 04/29/25 20:18 Cleanup Method: EPA 3665A

Analyst: MEO Cleanup Date: 04/29/25
Percent Solids: 93% Cleanup Date: 04/29/25
Cleanup Method: EPA 3660B
Cleanup Date: 04/29/25

Qualifier Units RL MDL **Parameter** Result **Dilution Factor** Column Polychlorinated Biphenyls by GC - Westborough Lab Aroclor 1016 ND ug/kg 51.6 4.58 1 Α Aroclor 1221 ND ug/kg 51.6 5.17 1 Α Aroclor 1232 ND ug/kg 51.6 10.9 1 Α ND Aroclor 1242 ug/kg 51.6 6.96 1 Α Aroclor 1248 ND ug/kg 51.6 7.74 1 Α Aroclor 1254 ND ug/kg 51.6 5.65 1 Α ND Aroclor 1260 ug/kg 51.6 9.54 1 Α Aroclor 1262 ND 51.6 6.56 1 Α ug/kg Aroclor 1268 ND ug/kg 51.6 5.35 1 Α ND 4.58 PCBs, Total ug/kg 51.6 1 Α

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	Α
Decachlorobiphenyl	73		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	88		30-150	В
Decachlorobiphenyl	73		30-150	В



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-07 Date Collected: 04/23/25 11:50

Client ID: EB-07 (4-4.5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8082A Extraction Date: 04/29/25 03:18

Analytical Date: 04/29/25 20:27 Cleanup Method: EPA 3665A
Analyst: MEO Cleanup Date: 04/29/25
Percent Solids: 81% Cleanup Method: EPA 3660B

Percent Solids: 81% Cleanup Method: EPA 3660 Cleanup Date: 04/29/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC -	Westborough Lab						
Aroclor 1016	ND		ug/kg	60.6	5.38	1	Α
Aroclor 1221	ND		ug/kg	60.6	6.07	1	Α
Aroclor 1232	ND		ug/kg	60.6	12.8	1	Α
Aroclor 1242	ND		ug/kg	60.6	8.17	1	Α
Aroclor 1248	ND		ug/kg	60.6	9.09	1	Α
Aroclor 1254	ND		ug/kg	60.6	6.63	1	Α
Aroclor 1260	ND		ug/kg	60.6	11.2	1	Α
Aroclor 1262	ND		ug/kg	60.6	7.70	1	Α
Aroclor 1268	ND		ug/kg	60.6	6.28	1	Α
PCBs, Total	ND		ug/kg	60.6	5.38	1	Α

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	Α
Decachlorobiphenyl	75		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	87		30-150	В
Decachlorobiphenyl	74		30-150	В



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-08 Date Collected: 04/23/25 12:10

Client ID: EB-08 (3.5-4) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8082A Extraction Date: 04/29/25 03:18

Analytical Date: 04/29/25 20:35 Cleanup Method: EPA 3665A Analyst: MEO Cleanup Date: 04/29/25

Percent Solids: 93% Cleanup Method: EPA 3660B Cleanup Date: 04/29/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - We	stborough Lab						
Availage 404C	ND			50.0	4.00	4	۸
Aroclor 1016	ND		ug/kg	52.8	4.69	1	Α
Aroclor 1221	ND		ug/kg	52.8	5.29	1	Α
Aroclor 1232	ND		ug/kg	52.8	11.2	1	Α
Aroclor 1242	ND		ug/kg	52.8	7.12	1	Α
Aroclor 1248	ND		ug/kg	52.8	7.92	1	Α
Aroclor 1254	ND		ug/kg	52.8	5.78	1	Α
Aroclor 1260	665		ug/kg	52.8	9.76	1	В
Aroclor 1262	ND		ug/kg	52.8	6.71	1	Α
Aroclor 1268	ND		ug/kg	52.8	5.47	1	Α
PCBs, Total	665		ug/kg	52.8	4.69	1	В

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	70		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	83		30-150	В
Decachlorobiphenyl	72		30-150	В



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-09 Date Collected: 04/23/25 13:15

Client ID: EB-09 (4.5-5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8082A Extraction Date: 04/29/25 03:18

Analytical Date: 04/29/25 20:43 Cleanup Method: EPA 3665A
Analyst: MEO Cleanup Date: 04/29/25

Percent Solids: 88% Cleanup Method: EPA 3660B Cleanup Date: 04/29/25

Parameter	Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column
Polychlorinated Biphenyls by GC - V	Vestborough Lab						
Aroclor 1016	ND		ug/kg	55.5	4.93	1	Α
Aroclor 1221	ND		ug/kg	55.5	5.56	1	Α
Aroclor 1232	ND		ug/kg	55.5	11.8	1	Α
Aroclor 1242	ND		ug/kg	55.5	7.48	1	Α
Aroclor 1248	ND		ug/kg	55.5	8.33	1	Α
Aroclor 1254	ND		ug/kg	55.5	6.07	1	Α
Aroclor 1260	67.1		ug/kg	55.5	10.3	1	В
Aroclor 1262	ND		ug/kg	55.5	7.05	1	Α
Aroclor 1268	ND		ug/kg	55.5	5.75	1	Α
PCBs, Total	67.1		ug/kg	55.5	4.93	1	В

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	Α
Decachlorobiphenyl	64		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	73		30-150	В
Decachlorobiphenyl	67		30-150	В



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A Analytical Date: 04/29/25 19:21

Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 04/29/25 03:18
Cleanup Method: EPA 3665A
Cleanup Date: 04/29/25
Cleanup Method: EPA 3660B
Cleanup Date: 04/29/25

Parameter	Result	Qualifier	Units	RL		MDL	Column
Polychlorinated Biphenyls by GC -	Westborougl	n Lab for s	ample(s):	01-09	Batch:	WG205	59861-1
Aroclor 1016	ND		ug/kg	46.5		4.13	А
Aroclor 1221	ND		ug/kg	46.5		4.66	Α
Aroclor 1232	ND		ug/kg	46.5		9.85	Α
Aroclor 1242	ND		ug/kg	46.5		6.26	Α
Aroclor 1248	ND		ug/kg	46.5		6.97	Α
Aroclor 1254	ND		ug/kg	46.5		5.08	Α
Aroclor 1260	ND		ug/kg	46.5		8.59	Α
Aroclor 1262	ND		ug/kg	46.5		5.90	Α
Aroclor 1268	ND		ug/kg	46.5		4.81	Α
PCBs, Total	ND		ug/kg	46.5		4.13	Α

		Acceptano	e
Surrogate	%Recovery Qualifier	Criteria	Column
0.450.7		00.450	
2,4,5,6-Tetrachloro-m-xylene	85	30-150	Α
Decachlorobiphenyl	72	30-150	Α
2,4,5,6-Tetrachloro-m-xylene	85	30-150	В
Decachlorobiphenyl	72	30-150	В



# Lab Control Sample Analysis Batch Quality Control

**Project Name:** 13968

**Project Number:** 

13968

Lab Number:

L2525183

Report Date:

05/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - We	estborough Lab Asso	ociated samp	le(s): 01-09	Batch: '	WG2059861-2	WG2059861-3			
Aroclor 1016	82		82		40-140	0		50	Α
Aroclor 1260	78		78		40-140	0		50	Α

Surrogate	LCS %Recovery Qual	LCSD I %Recovery Qual	Acceptance Criteria Column
2,4,5,6-Tetrachloro-m-xylene	83	84	30-150 A
Decachlorobiphenyl	70	75	30-150 A
2,4,5,6-Tetrachloro-m-xylene	83	85	30-150 B
Decachlorobiphenyl	71	71	30-150 B



#### **PESTICIDES**



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-01 Date Collected: 04/23/25 09:40

Client ID: EB-01 (2-2.5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8081B Extraction Date: 04/29/25 05:06

Analytical Date: 04/30/25 08:50

Analyst: DLP

Percent Solids: 90%

Cleanup Method: EPA 3620B

Cleanup Date: 04/30/25

Cleanup Method: EPA 3660B

Percent Solids: 90% Cleanup Method: EPA 3660 Cleanup Date: 04/30/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - We	stborough Lab						
Delta-BHC	ND		ug/kg	1.76	0.345	1	Α
Lindane	ND		ug/kg	0.734	0.328	1	A
Alpha-BHC	ND		ug/kg	0.734	0.208	1	Α
Beta-BHC	ND		ug/kg	1.76	0.668	1	A
Heptachlor	ND		ug/kg	0.880	0.395	1	Α
Aldrin	ND		ug/kg	1.76	0.620	1	Α
Heptachlor epoxide	ND		ug/kg	3.30	0.990	1	Α
Endrin	ND		ug/kg	0.734	0.301	1	Α
Endrin aldehyde	ND		ug/kg	2.20	0.770	1	Α
Endrin ketone	ND		ug/kg	1.76	0.453	1	Α
Dieldrin	ND		ug/kg	1.10	0.550	1	Α
4,4'-DDE	ND		ug/kg	1.76	0.407	1	Α
4,4'-DDD	ND		ug/kg	1.76	0.628	1	Α
4,4'-DDT	ND		ug/kg	1.76	1.42	1	Α
Endosulfan I	ND		ug/kg	1.76	0.416	1	Α
Endosulfan II	ND		ug/kg	1.76	0.588	1	Α
Endosulfan sulfate	ND		ug/kg	0.734	0.349	1	Α
Methoxychlor	ND		ug/kg	3.30	1.03	1	Α
Toxaphene	ND		ug/kg	33.0	9.24	1	Α
cis-Chlordane	ND		ug/kg	2.20	0.613	1	Α
trans-Chlordane	ND		ug/kg	2.20	0.581	1	Α
Chlordane	ND		ug/kg	14.7	5.83	1	Α



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-01 Date Collected: 04/23/25 09:40

Client ID: EB-01 (2-2.5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

•

Sample Depth:

Parameter Result Qualifier Units RL MDL Dilution Factor Column

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	Α
Decachlorobiphenyl	53		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	65		30-150	В
Decachlorobiphenyl	73		30-150	В



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-02 Date Collected: 04/23/25 10:10

Client ID: EB-02 (3-3.5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8081B Extraction Date: 04/29/25 05:06

Analytical Date: 04/30/25 09:02 Cleanup Method: EPA 3620B
Analyst: DLP Cleanup Date: 04/30/25

Percent Solids: 89% Cleanup Method: EPA 3660B Cleanup Date: 04/30/25

Parameter	Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column
Organochlorine Pesticides by GC - W	/estborough Lab						
Delta-BHC	ND		ug/kg	1.71	0.336	1	Α
Lindane	ND		ug/kg	0.714	0.319	1	Α
Alpha-BHC	ND		ug/kg	0.714	0.203	1	Α
Beta-BHC	ND		ug/kg	1.71	0.650	1	Α
Heptachlor	ND		ug/kg	0.857	0.384	1	Α
Aldrin	ND		ug/kg	1.71	0.604	1	Α
Heptachlor epoxide	ND		ug/kg	3.21	0.964	1	Α
Endrin	ND		ug/kg	0.714	0.293	1	Α
Endrin aldehyde	ND		ug/kg	2.14	0.750	1	Α
Endrin ketone	ND		ug/kg	1.71	0.441	1	Α
Dieldrin	ND		ug/kg	1.07	0.536	1	Α
4,4'-DDE	2.44		ug/kg	1.71	0.396	1	В
4,4'-DDD	ND		ug/kg	1.71	0.611	1	Α
4,4'-DDT	4.94		ug/kg	1.71	1.38	1	Α
Endosulfan I	ND		ug/kg	1.71	0.405	1	Α
Endosulfan II	ND		ug/kg	1.71	0.573	1	Α
Endosulfan sulfate	ND		ug/kg	0.714	0.340	1	Α
Methoxychlor	ND		ug/kg	3.21	1.00	1	Α
Toxaphene	ND		ug/kg	32.1	9.00	1	Α
cis-Chlordane	1.06	J	ug/kg	2.14	0.597	1	В
trans-Chlordane	ND		ug/kg	2.14	0.566	1	Α
Chlordane	ND		ug/kg	14.3	5.68	1	Α



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-02 Date Collected: 04/23/25 10:10

Client ID: EB-02 (3-3.5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

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Sample Depth:

Parameter Result Qualifier Units RL MDL Dilution Factor Column

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	Α
Decachlorobiphenyl	58		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	72		30-150	В
Decachlorobiphenyl	81		30-150	В



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-03 Date Collected: 04/23/25 10:30

Client ID: EB-03 (2.5-3) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8081B Extraction Date: 04/29/25 05:06
Analytical Date: 04/30/25 09:14 Cleanup Method: EPA 3620B

Analytical Date: 04/30/25 09:14 Cleanup Method: EPA 3620B
Analyst: DLP Cleanup Date: 04/30/25
Percent Solids: 90% Cleanup Method: EPA 3660B

Cleanup Date: 04/30/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - We	stborough Lab						
Delta-BHC	ND		ug/kg	1.77	0.348	1	Α
Lindane	ND		ug/kg	0.739	0.330	1	Α
Alpha-BHC	ND		ug/kg	0.739	0.210	1	A
Beta-BHC	ND		ug/kg	1.77	0.673	1	A
	ND ND			0.887	0.398	1	
Heptachlor			ug/kg				A
Aldrin	ND		ug/kg	1.77	0.625	1	A
Heptachlor epoxide	ND		ug/kg	3.33	0.998	1	Α
Endrin	ND		ug/kg	0.739	0.303	1	Α
Endrin aldehyde	ND		ug/kg	2.22	0.776	1	Α
Endrin ketone	ND		ug/kg	1.77	0.457	1	Α
Dieldrin	ND		ug/kg	1.11	0.554	1	Α
4,4'-DDE	ND		ug/kg	1.77	0.410	1	Α
4,4'-DDD	ND		ug/kg	1.77	0.633	1	Α
4,4'-DDT	ND		ug/kg	1.77	1.43	1	Α
Endosulfan I	ND		ug/kg	1.77	0.419	1	Α
Endosulfan II	ND		ug/kg	1.77	0.593	1	Α
Endosulfan sulfate	ND		ug/kg	0.739	0.352	1	Α
Methoxychlor	ND		ug/kg	3.33	1.04	1	Α
Toxaphene	ND		ug/kg	33.3	9.32	1	Α
cis-Chlordane	ND		ug/kg	2.22	0.618	1	Α
trans-Chlordane	ND		ug/kg	2.22	0.586	1	Α
Chlordane	ND		ug/kg	14.8	5.88	1	Α



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-03 Date Collected: 04/23/25 10:30

Client ID: EB-03 (2.5-3) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter Result Qualifier Units RL MDL Dilution Factor Column

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	Α
Decachlorobiphenyl	64		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	78		30-150	В
Decachlorobiphenyl	86		30-150	В



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-04 Date Collected: 04/23/25 10:50

Client ID: EB-04 (1.5-2) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546

Analytical Method: 1,8081B Extraction Date: 04/29/25 05:06
Analytical Date: 04/30/25 09:25 Cleanup Method: EPA 3620B

Analyst: DLP Cleanup Date: 04/30/25
Percent Solids: 91% Cleanup Method: EPA 3660B

Cleanup Date: 04/30/25

Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
ough Lab						
ND		ua/ka	1 72	0.337	1	Α
						Α
ND		ug/kg	0.717	0.204	1	Α
ND		ug/kg	1.72	0.653	1	Α
ND		ug/kg	0.861	0.386	1	Α
ND		ug/kg	1.72	0.606	1	Α
ND		ug/kg	3.23	0.968	1	Α
ND		ug/kg	0.717	0.294	1	Α
ND		ug/kg	2.15	0.753	1	Α
ND		ug/kg	1.72	0.443	1	Α
ND		ug/kg	1.08	0.538	1	Α
ND		ug/kg	1.72	0.398	1	Α
ND		ug/kg	1.72	0.614	1	Α
ND		ug/kg	1.72	1.38	1	Α
ND		ug/kg	1.72	0.407	1	Α
ND		ug/kg	1.72	0.575	1	Α
ND		ug/kg	0.717	0.342	1	Α
ND		ug/kg	3.23	1.00	1	Α
ND		ug/kg	32.3	9.04	1	Α
ND		ug/kg	2.15	0.600	1	Α
ND		ug/kg	2.15	0.568	1	Α
ND		ug/kg	14.3	5.70	1	Α
	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND         ug/kg           ND         ug/kg <td>ND         ug/kg         1.72           ND         ug/kg         0.717           ND         ug/kg         0.717           ND         ug/kg         1.72           ND         ug/kg         0.861           ND         ug/kg         1.72           ND         ug/kg         3.23           ND         ug/kg         0.717           ND         ug/kg         1.72           ND         ug/kg         1.72           ND         ug/kg         1.72           ND         ug/kg         1.72           ND         ug/kg         1.72           ND         ug/kg         1.72           ND         ug/kg         1.72           ND         ug/kg         0.717           ND         ug/kg         0.717           ND         ug/kg         3.23           ND         ug/kg         3.23           ND         ug/kg         3.23           ND         ug/kg         2.15           ND         ug/kg         2.15           ND         ug/kg         2.15           ND         ug/kg         2.15</td> <td>ND ug/kg 1.72 0.337  ND ug/kg 0.717 0.321  ND ug/kg 0.717 0.204  ND ug/kg 1.72 0.653  ND ug/kg 0.861 0.386  ND ug/kg 1.72 0.606  ND ug/kg 3.23 0.968  ND ug/kg 0.717 0.294  ND ug/kg 3.23 0.968  ND ug/kg 0.717 0.294  ND ug/kg 1.72 0.443  ND ug/kg 1.72 0.443  ND ug/kg 1.72 0.443  ND ug/kg 1.72 0.398  ND ug/kg 1.72 0.398  ND ug/kg 1.72 0.398  ND ug/kg 1.72 0.398  ND ug/kg 1.72 0.614  ND ug/kg 1.72 0.407  ND ug/kg 1.72 0.407  ND ug/kg 1.72 0.407  ND ug/kg 0.717 0.342  ND ug/kg 3.23 1.00  ND ug/kg 3.23 9.04  ND ug/kg 3.23 9.04  ND ug/kg 3.23 9.04  ND ug/kg 2.15 0.6600  ND ug/kg 2.15 0.6600  ND ug/kg 2.15 0.6600</td> <td>ND ug/kg 1.72 0.337 1  ND ug/kg 0.717 0.321 1  ND ug/kg 0.717 0.204 1  ND ug/kg 1.72 0.653 1  ND ug/kg 0.861 0.386 1  ND ug/kg 1.72 0.606 1  ND ug/kg 3.23 0.968 1  ND ug/kg 0.717 0.294 1  ND ug/kg 3.23 0.968 1  ND ug/kg 0.717 0.294 1  ND ug/kg 0.717 0.294 1  ND ug/kg 1.72 0.606 1  ND ug/kg 1.72 0.606 1  ND ug/kg 1.72 0.606 1  ND ug/kg 1.72 0.398 1  ND ug/kg 1.72 0.443 1  ND ug/kg 1.72 0.398 1  ND ug/kg 1.72 0.398 1  ND ug/kg 1.72 0.398 1  ND ug/kg 1.72 0.614 1  ND ug/kg 1.72 0.614 1  ND ug/kg 1.72 0.407 1  ND ug/kg 1.72 0.407 1  ND ug/kg 1.72 0.407 1  ND ug/kg 1.72 0.575 1  ND ug/kg 1.72 0.575 1  ND ug/kg 1.72 0.575 1  ND ug/kg 3.23 1.00 1  ND ug/kg 3.23 1.00 1  ND ug/kg 3.23 9.04 1  ND ug/kg 3.23 9.04 1  ND ug/kg 3.23 9.04 1  ND ug/kg 2.15 0.600 1</td>	ND         ug/kg         1.72           ND         ug/kg         0.717           ND         ug/kg         0.717           ND         ug/kg         1.72           ND         ug/kg         0.861           ND         ug/kg         1.72           ND         ug/kg         3.23           ND         ug/kg         0.717           ND         ug/kg         1.72           ND         ug/kg         1.72           ND         ug/kg         1.72           ND         ug/kg         1.72           ND         ug/kg         1.72           ND         ug/kg         1.72           ND         ug/kg         1.72           ND         ug/kg         0.717           ND         ug/kg         0.717           ND         ug/kg         3.23           ND         ug/kg         3.23           ND         ug/kg         3.23           ND         ug/kg         2.15           ND         ug/kg         2.15           ND         ug/kg         2.15           ND         ug/kg         2.15	ND ug/kg 1.72 0.337  ND ug/kg 0.717 0.321  ND ug/kg 0.717 0.204  ND ug/kg 1.72 0.653  ND ug/kg 0.861 0.386  ND ug/kg 1.72 0.606  ND ug/kg 3.23 0.968  ND ug/kg 0.717 0.294  ND ug/kg 3.23 0.968  ND ug/kg 0.717 0.294  ND ug/kg 1.72 0.443  ND ug/kg 1.72 0.443  ND ug/kg 1.72 0.443  ND ug/kg 1.72 0.398  ND ug/kg 1.72 0.398  ND ug/kg 1.72 0.398  ND ug/kg 1.72 0.398  ND ug/kg 1.72 0.614  ND ug/kg 1.72 0.407  ND ug/kg 1.72 0.407  ND ug/kg 1.72 0.407  ND ug/kg 0.717 0.342  ND ug/kg 3.23 1.00  ND ug/kg 3.23 9.04  ND ug/kg 3.23 9.04  ND ug/kg 3.23 9.04  ND ug/kg 2.15 0.6600  ND ug/kg 2.15 0.6600  ND ug/kg 2.15 0.6600	ND ug/kg 1.72 0.337 1  ND ug/kg 0.717 0.321 1  ND ug/kg 0.717 0.204 1  ND ug/kg 1.72 0.653 1  ND ug/kg 0.861 0.386 1  ND ug/kg 1.72 0.606 1  ND ug/kg 3.23 0.968 1  ND ug/kg 0.717 0.294 1  ND ug/kg 3.23 0.968 1  ND ug/kg 0.717 0.294 1  ND ug/kg 0.717 0.294 1  ND ug/kg 1.72 0.606 1  ND ug/kg 1.72 0.606 1  ND ug/kg 1.72 0.606 1  ND ug/kg 1.72 0.398 1  ND ug/kg 1.72 0.443 1  ND ug/kg 1.72 0.398 1  ND ug/kg 1.72 0.398 1  ND ug/kg 1.72 0.398 1  ND ug/kg 1.72 0.614 1  ND ug/kg 1.72 0.614 1  ND ug/kg 1.72 0.407 1  ND ug/kg 1.72 0.407 1  ND ug/kg 1.72 0.407 1  ND ug/kg 1.72 0.575 1  ND ug/kg 1.72 0.575 1  ND ug/kg 1.72 0.575 1  ND ug/kg 3.23 1.00 1  ND ug/kg 3.23 1.00 1  ND ug/kg 3.23 9.04 1  ND ug/kg 3.23 9.04 1  ND ug/kg 3.23 9.04 1  ND ug/kg 2.15 0.600 1



**Project Name:** Lab Number: 13968 L2525183

Report Date: **Project Number:** 13968 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-04 Date Collected: 04/23/25 10:50

Date Received: Client ID: 04/24/25 EB-04 (1.5-2)

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Qualifier RL MDL Parameter Result Units **Dilution Factor** Column

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	Α
Decachlorobiphenyl	50		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	59		30-150	В
Decachlorobiphenyl	66		30-150	В



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-05 Date Collected: 04/23/25 11:15

Client ID: EB-05 (4.5-5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8081B Extraction Date: 04/29/25 05:06

Analytical Date: 04/30/25 09:37 Cleanup Method: EPA 3620B
Analyst: DLP Cleanup Date: 04/30/25
Percent Solids: 97% Cleanup Method: EPA 3660B

Percent Solids: 97% Cleanup Method: EPA 3660 Cleanup Date: 04/30/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - \	Westborough Lab						
Delta-BHC	ND		ug/kg	1.62	0.318	1	Α
Lindane	ND		ug/kg	0.676	0.302	1	Α
Alpha-BHC	ND		ug/kg	0.676	0.192	1	Α
Beta-BHC	ND		ug/kg	1.62	0.615	1	Α
Heptachlor	ND		ug/kg	0.811	0.363	1	Α
Aldrin	ND		ug/kg	1.62	0.571	1	Α
Heptachlor epoxide	ND		ug/kg	3.04	0.912	1	Α
Endrin	ND		ug/kg	0.676	0.277	1	Α
Endrin aldehyde	ND		ug/kg	2.03	0.709	1	Α
Endrin ketone	ND		ug/kg	1.62	0.417	1	Α
Dieldrin	ND		ug/kg	1.01	0.507	1	Α
4,4'-DDE	ND		ug/kg	1.62	0.375	1	Α
4,4'-DDD	ND		ug/kg	1.62	0.578	1	Α
4,4'-DDT	ND		ug/kg	1.62	1.30	1	Α
Endosulfan I	ND		ug/kg	1.62	0.383	1	Α
Endosulfan II	ND		ug/kg	1.62	0.542	1	Α
Endosulfan sulfate	ND		ug/kg	0.676	0.322	1	Α
Methoxychlor	ND		ug/kg	3.04	0.946	1	Α
Toxaphene	ND		ug/kg	30.4	8.51	1	Α
cis-Chlordane	ND		ug/kg	2.03	0.565	1	Α
trans-Chlordane	ND		ug/kg	2.03	0.535	1	Α
Chlordane	ND		ug/kg	13.5	5.37	1	Α



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-05 Date Collected: 04/23/25 11:15

Client ID: EB-05 (4.5-5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter Result Qualifier Units RL MDL Dilution Factor Column

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	Α
Decachlorobiphenyl	62		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	75		30-150	В
Decachlorobiphenyl	82		30-150	В



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-06 Date Collected: 04/23/25 11:35

Client ID: EB-06 (7-7.5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8081B Extraction Date: 04/29/25 05:06

Analytical Date: 04/30/25 09:49 Cleanup Method: EPA 3620B
Analyst: DLP Cleanup Date: 04/30/25

Percent Solids: 93% Cleanup Method: EPA 3660B Cleanup Date: 04/30/25

Parameter	Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column
Organochlorine Pesticides by GC - Westbo	rough Lab						
Delta-BHC	ND		ug/kg	1.65	0.323	1	Α
Lindane	ND		ug/kg	0.688	0.307	1	A
Alpha-BHC	ND			0.688	0.307	1	A
<u>'</u>	ND ND		ug/kg				
Beta-BHC			ug/kg	1.65	0.626	1	Α
Heptachlor	ND		ug/kg	0.825	0.370	1	Α
Aldrin	ND		ug/kg	1.65	0.581	1	Α
Heptachlor epoxide	ND		ug/kg	3.10	0.928	1	Α
Endrin	ND		ug/kg	0.688	0.282	1	Α
Endrin aldehyde	ND		ug/kg	2.06	0.722	1	Α
Endrin ketone	ND		ug/kg	1.65	0.425	1	Α
Dieldrin	ND		ug/kg	1.03	0.516	1	Α
4,4'-DDE	1.09	J	ug/kg	1.65	0.382	1	Α
4,4'-DDD	ND		ug/kg	1.65	0.589	1	Α
4,4'-DDT	ND		ug/kg	1.65	1.33	1	В
Endosulfan I	ND		ug/kg	1.65	0.390	1	Α
Endosulfan II	ND		ug/kg	1.65	0.552	1	Α
Endosulfan sulfate	ND		ug/kg	0.688	0.327	1	Α
Methoxychlor	ND		ug/kg	3.10	0.963	1	Α
Toxaphene	ND		ug/kg	31.0	8.67	1	Α
cis-Chlordane	ND		ug/kg	2.06	0.575	1	Α
trans-Chlordane	ND		ug/kg	2.06	0.545	1	Α
Chlordane	ND		ug/kg	13.8	5.47	1	Α



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-06 Date Collected: 04/23/25 11:35

Client ID: EB-06 (7-7.5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter Result Qualifier Units RL MDL Dilution Factor Column

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	Α
Decachlorobiphenyl	66		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	76		30-150	В
Decachlorobiphenyl	86		30-150	В



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-07 Date Collected: 04/23/25 11:50

Client ID: EB-07 (4-4.5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8081B Extraction Date: 04/29/25 05:06

Analytical Date: 04/30/25 10:01 Cleanup Method: EPA 3620B
Analyst: DLP Cleanup Date: 04/30/25

Percent Solids: 81% Cleanup Method: EPA 3660B Cleanup Date: 04/30/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Wes	tborough Lab						
Delta-BHC	ND		ug/kg	1.94	0.379	1	Α
Lindane	ND		ug/kg	0.807	0.361	1	A
Alpha-BHC	ND		ug/kg	0.807	0.229	1	A
Beta-BHC	ND		ug/kg	1.94	0.735	1	Α
Heptachlor	ND		ug/kg	0.969	0.434	1	Α
Aldrin	ND		ug/kg	1.94	0.682	1	Α
Heptachlor epoxide	ND		ug/kg	3.63	1.09	1	Α
Endrin	ND		ug/kg	0.807	0.331	1	Α
Endrin aldehyde	ND		ug/kg	2.42	0.848	1	Α
Endrin ketone	ND		ug/kg	1.94	0.499	1	Α
Dieldrin	ND		ug/kg	1.21	0.605	1	Α
4,4'-DDE	7.13		ug/kg	1.94	0.448	1	Α
4,4'-DDD	1.26	J	ug/kg	1.94	0.691	1	Α
4,4'-DDT	1.96		ug/kg	1.94	1.56	1	Α
Endosulfan I	ND		ug/kg	1.94	0.458	1	Α
Endosulfan II	ND		ug/kg	1.94	0.647	1	Α
Endosulfan sulfate	ND		ug/kg	0.807	0.384	1	Α
Methoxychlor	ND		ug/kg	3.63	1.13	1	Α
Toxaphene	ND		ug/kg	36.3	10.2	1	Α
cis-Chlordane	2.03	JIP	ug/kg	2.42	0.675	1	В
trans-Chlordane	ND		ug/kg	2.42	0.639	1	Α
Chlordane	ND		ug/kg	16.1	6.42	1	Α



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-07 Date Collected: 04/23/25 11:50

Client ID: EB-07 (4-4.5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter Result Qualifier Units RL MDL Dilution Factor Column

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	Α
Decachlorobiphenyl	77		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	72		30-150	В
Decachlorobiphenyl	84		30-150	В



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-08 Date Collected: 04/23/25 12:10

Client ID: EB-08 (3.5-4) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8081B Extraction Date: 04/29/25 05:06

Analytical Date: 04/30/25 10:13 Cleanup Method: EPA 3620B
Analyst: DLP Cleanup Date: 04/30/25
Percent Solids: 93% Cleanup Method: EPA 3660B

Percent Solids: 93% Cleanup Method: EPA 3660 Cleanup Date: 04/30/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column					
Organochlorine Pesticides by GC - Wes	Organochlorine Pesticides by GC - Westborough Lab											
Delta-BHC	ND		ug/kg	1.69	0.330	1	Α					
Lindane	ND		ug/kg	0.703	0.314	1	A					
Alpha-BHC	ND		ug/kg	0.703	0.200	1	A					
Beta-BHC	ND		ug/kg	1.69	0.640	1	A					
Heptachlor	ND		ug/kg	0.843	0.378	1	Α					
Aldrin	ND		ug/kg	1.69	0.594	1	Α					
Heptachlor epoxide	ND		ug/kg	3.16	0.949	1	Α					
Endrin	ND		ug/kg	0.703	0.288	1	Α					
Endrin aldehyde	ND		ug/kg	2.11	0.738	1	Α					
Endrin ketone	ND		ug/kg	1.69	0.434	1	Α					
Dieldrin	ND		ug/kg	1.05	0.527	1	Α					
4,4'-DDE	ND		ug/kg	1.69	0.390	1	Α					
4,4'-DDD	ND		ug/kg	1.69	0.602	1	Α					
4,4'-DDT	ND		ug/kg	1.69	1.36	1	Α					
Endosulfan I	ND		ug/kg	1.69	0.398	1	Α					
Endosulfan II	ND		ug/kg	1.69	0.564	1	Α					
Endosulfan sulfate	ND		ug/kg	0.703	0.334	1	Α					
Methoxychlor	ND		ug/kg	3.16	0.984	1	Α					
Toxaphene	ND		ug/kg	31.6	8.85	1	Α					
cis-Chlordane	ND		ug/kg	2.11	0.588	1	Α					
trans-Chlordane	ND		ug/kg	2.11	0.556	1	Α					
Chlordane	ND		ug/kg	14.0	5.59	1	Α					



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-08 Date Collected: 04/23/25 12:10

Client ID: EB-08 (3.5-4) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter Result Qualifier Units RL MDL Dilution Factor Column

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	Α
Decachlorobiphenyl	44		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	74		30-150	В
Decachlorobiphenyl	78		30-150	В



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-09 Date Collected: 04/23/25 13:15

Client ID: EB-09 (4.5-5) Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8081B Extraction Date: 04/29/25 05:06

Analytical Date: 04/30/25 10:24 Cleanup Method: EPA 3620B
Analyst: DLP Cleanup Date: 04/30/25
Percent Solids: 88% Cleanup Method: EPA 3660B

Percent Solids: 88% Cleanup Method: EPA 3660 Cleanup Date: 04/30/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column					
Organochlorine Pesticides by GC - W	Organochlorine Pesticides by GC - Westborough Lab											
Delta-BHC	ND		ug/kg	1.76	0.344	1	Α					
Lindane	ND		ug/kg	0.731	0.327	1	Α					
Alpha-BHC	ND		ug/kg	0.731	0.208	1	A					
Beta-BHC	ND		ug/kg	1.76	0.666	1	A					
Heptachlor	ND		ug/kg	0.878	0.394	1	Α					
Aldrin	ND		ug/kg	1.76	0.618	1	Α					
Heptachlor epoxide	ND		ug/kg	3.29	0.987	1	Α					
Endrin	ND		ug/kg	0.731	0.300	1	Α					
Endrin aldehyde	ND		ug/kg	2.19	0.768	1	Α					
Endrin ketone	ND		ug/kg	1.76	0.452	1	Α					
Dieldrin	ND		ug/kg	1.10	0.549	1	Α					
4,4'-DDE	0.884	J	ug/kg	1.76	0.406	1	Α					
4,4'-DDD	ND		ug/kg	1.76	0.626	1	Α					
4,4'-DDT	ND	IP	ug/kg	1.76	1.41	1	Α					
Endosulfan I	ND		ug/kg	1.76	0.415	1	Α					
Endosulfan II	ND		ug/kg	1.76	0.587	1	Α					
Endosulfan sulfate	ND		ug/kg	0.731	0.348	1	Α					
Methoxychlor	ND		ug/kg	3.29	1.02	1	Α					
Toxaphene	ND		ug/kg	32.9	9.22	1	Α					
cis-Chlordane	ND		ug/kg	2.19	0.612	1	Α					
trans-Chlordane	ND		ug/kg	2.19	0.579	1	Α					
Chlordane	ND		ug/kg	14.6	5.82	1	Α					



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-09 Date Collected: 04/23/25 13:15

Client ID: EB-09 (4.5-5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter Result Qualifier Units RL MDL Dilution Factor Column

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	Α
Decachlorobiphenyl	54		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	90		30-150	В
Decachlorobiphenyl	110		30-150	В



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B Analytical Date: 04/30/25 08:15

Analyst: DLP

Extraction Method: EPA 3546
Extraction Date: 04/29/25 05:06
Cleanup Method: EPA 3620B
Cleanup Date: 04/30/25
Cleanup Method: EPA 3660B
Cleanup Date: 04/30/25

Parameter	Result	Qualifier	Units	RL		MDL	Column
Organochlorine Pesticides by GC	- Westboroug	h Lab for	sample(s):	01-09	Batch:	WG20	59887-1
Delta-BHC	ND		ug/kg	1.55		0.304	Α
Lindane	ND		ug/kg	0.647		0.289	Α
Alpha-BHC	ND		ug/kg	0.647		0.184	Α
Beta-BHC	ND		ug/kg	1.55		0.589	Α
Heptachlor	ND		ug/kg	0.777		0.348	Α
Aldrin	ND		ug/kg	1.55		0.547	Α
Heptachlor epoxide	ND		ug/kg	2.91		0.874	Α
Endrin	ND		ug/kg	0.647		0.265	Α
Endrin aldehyde	ND		ug/kg	1.94		0.680	Α
Endrin ketone	ND		ug/kg	1.55		0.400	Α
Dieldrin	ND		ug/kg	0.971		0.485	Α
4,4'-DDE	ND		ug/kg	1.55		0.359	Α
4,4'-DDD	ND		ug/kg	1.55		0.554	Α
4,4'-DDT	ND		ug/kg	1.55		1.25	Α
Endosulfan I	ND		ug/kg	1.55		0.367	Α
Endosulfan II	ND		ug/kg	1.55		0.519	Α
Endosulfan sulfate	ND		ug/kg	0.647		0.308	Α
Methoxychlor	ND		ug/kg	2.91		0.906	Α
Toxaphene	ND		ug/kg	29.1		8.16	Α
cis-Chlordane	ND		ug/kg	1.94		0.541	Α
trans-Chlordane	ND		ug/kg	1.94		0.513	Α
Chlordane	ND		ug/kg	12.9		5.14	Α



Project Name: 13968 Lab Number: L2525183

Project Number: 13968 Report Date: 05/06/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B Analytical Date: 04/30/25 08:15

Analyst: DLP

Extraction Method: EPA 3546
Extraction Date: 04/29/25 05:06
Cleanup Method: EPA 3620B
Cleanup Date: 04/30/25
Cleanup Method: EPA 3660B
Cleanup Date: 04/30/25

ParameterResultQualifierUnitsRLMDLColumnOrganochlorine Pesticides by GC - Westborough Lab for sample(s):01-09Batch:WG2059887-1

		Acceptance			
Surrogate	%Recovery Qua	alifier Criter	ia Column		
2.4.5.6. Totrochloro m vulono	64	30-150	Δ		
2,4,5,6-Tetrachloro-m-xylene	04	30-130	Α		
Decachlorobiphenyl	55	30-150	Α		
2,4,5,6-Tetrachloro-m-xylene	69	30-150	В		
Decachlorobiphenyl	75	30-150	В		



## Lab Control Sample Analysis Batch Quality Control

**Project Name:** 13968 **Project Number:** 

13968

Lab Number: L2525183

Report Date:

05/06/25

arameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westb	orough Lab As	sociated samp	ole(s): 01-09	Batch: \	WG2059887-2	WG2059887-3			
Delta-BHC	67		74		30-150	10		30	Α
Lindane	76		82		30-150	8		30	Α
Alpha-BHC	65		70		30-150	7		30	Α
Beta-BHC	70		75		30-150	7		30	Α
Heptachlor	72		79		30-150	9		30	Α
Aldrin	77		84		30-150	9		30	А
Heptachlor epoxide	51		53		30-150	4		30	А
Endrin	76		85		30-150	11		30	А
Endrin aldehyde	62		68		30-150	9		30	А
Endrin ketone	75		82		30-150	9		30	Α
Dieldrin	77		87		30-150	12		30	Α
4,4'-DDE	78		88		30-150	12		30	Α
4,4'-DDD	80		91		30-150	13		30	Α
4,4'-DDT	82		92		30-150	11		30	Α
Endosulfan I	71		78		30-150	9		30	Α
Endosulfan II	73		81		30-150	10		30	Α
Endosulfan sulfate	67		75		30-150	11		30	А
Methoxychlor	74		81		30-150	9		30	А
cis-Chlordane	68		75		30-150	10		30	А
trans-Chlordane	82		88		30-150	7		30	Α



### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 13968

Lab Number:

L2525183

**Project Number:** 

13968

Report Date:

05/06/25

	LCS		LCSD		%Recovery			RPD
Parameter	%Recovery	Qual	%Recovery	Qual	Limits	RPD	Qual	Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG2059887-2 WG2059887-3

Surrogate	LCS %Recovery Qua	LCSD al %Recovery Qual	Acceptance Criteria Column
2,4,5,6-Tetrachloro-m-xylene	68	69	30-150 A
Decachlorobiphenyl	63	64	30-150 A
2,4,5,6-Tetrachloro-m-xylene	75	79	30-150 B
Decachlorobiphenyl	82	86	30-150 B



#### **METALS**



04/23/25 09:40

Date Collected:

 Project Name:
 13968
 Lab Number:
 L2525183

 Project Number:
 13968
 Report Date:
 05/06/25

SAMPLE RESULTS

Lab ID: L2525183-01 Client ID: EB-01 (2-2.5)

Client ID: EB-01 (2-2.5) Date Received: 04/24/25
Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Percent Solids: 90%

Dilution Date Date Prep Analytical Method Qualifier Factor **Prepared** Analyzed Method **Parameter** Result Units MDL RL Analyst Total Metals - Mansfield Lab Aluminum, Total 9240 mg/kg 8.55 2.78 2 04/30/25 15:54 05/01/25 08:17 EPA 3050B 1,6010D DMC ND 2 1,6010D DMC Antimony, Total mg/kg 4.27 3.29 04/30/25 15:54 05/01/25 08:17 EPA 3050B Arsenic, Total 5.08 mg/kg 0.855 0.369 2 04/30/25 15:54 05/01/25 08:17 EPA 3050B 1,6010D DMC 2 Barium, Total 89.3 0.855 0.091 04/30/25 15:54 05/01/25 08:17 EPA 3050B 1,6010D DMC mg/kg J 2 1,6010D DMC Beryllium, Total 0.370 mg/kg 0.427 0.047 04/30/25 15:54 05/01/25 08:17 EPA 3050B J 2 1,6010D DMC Cadmium, Total 0.182 mg/kg 0.855 0.047 04/30/25 15:54 05/01/25 08:17 EPA 3050B 04/30/25 15:54 05/01/25 08:17 EPA 3050B Calcium, Total 30000 8.55 4.84 2 1,6010D mg/kg **DMC** 2 1,6010D DMC 14.6 0.855 0.725 04/30/25 15:54 05/01/25 08:17 EPA 3050B Chromium, Total mg/kg 2 1,6010D Cobalt, Total 5.81 mg/kg 1.71 0.212 04/30/25 15:54 05/01/25 08:17 EPA 3050B **DMC** 1,6010D Copper, Total 29.7 0.855 0.194 2 04/30/25 15:54 05/01/25 08:17 EPA 3050B DMC mg/kg 13900 4.27 2 1,6010D DMC 0.897 04/30/25 15:54 05/01/25 08:17 EPA 3050B Iron, Total mg/kg 2 Lead, Total 162 mg/kg 4.27 0.203 04/30/25 15:54 05/01/25 08:17 EPA 3050B 1,6010D DMC 18800 8.55 1.39 2 04/30/25 15:54 05/01/25 08:17 EPA 3050B 1,6010D **DMC** Magnesium, Total mg/kg 365 0.855 0.458 2 1,6010D **DMC** Manganese, Total mg/kg 04/30/25 15:54 05/01/25 08:17 EPA 3050B Mercury, Total 0.178 mg/kg 0.088 0.057 1 04/30/25 16:58 05/01/25 07:36 EPA 7471B 1,7471B CME Nickel, Total 12.8 0.690 2 04/30/25 15:54 05/01/25 08:17 EPA 3050B 1,6010D DMC mg/kg 2.14 2 1,6010D DMC Potassium, Total 1160 mg/kg 214 43.3 04/30/25 15:54 05/01/25 08:17 EPA 3050B Selenium, Total ND mg/kg 1.71 0.281 2 04/30/25 15:54 05/01/25 08:17 EPA 3050B 1,6010D **DMC** Silver, Total ND mg/kg 0.427 0.255 2 04/30/25 15:54 05/01/25 08:17 EPA 3050B 1,6010D **DMC** Sodium, Total ND mg/kg 171 90.6 2 04/30/25 15:54 05/01/25 08:17 EPA 3050B 1,6010D DMC Thallium, Total ND 1.71 0.771 2 04/30/25 15:54 05/01/25 08:17 EPA 3050B 1,6010D DMC mg/kg 22.3 2 04/30/25 15:54 05/01/25 08:17 EPA 3050B 1,6010D DMC Vanadium, Total mg/kg 0.855 0.129 2 1,6010D 118 4.27 0.518 DMC Zinc, Total mg/kg 04/30/25 15:54 05/01/25 08:17 EPA 3050B



04/23/25 10:10

Date Collected:

 Project Name:
 13968
 Lab Number:
 L2525183

 Project Number:
 13968
 Report Date:
 05/06/25

SAMPLE RESULTS

Lab ID: L2525183-02

Client ID: EB-02 (3-3.5) Date Received: 04/24/25
Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Percent Solids: 89%

Dilution Date Date Prep Analytical Method Qualifier Factor **Prepared** Analyzed Method **Parameter** Result Units MDL RL Analyst Total Metals - Mansfield Lab Aluminum, Total 6740 mg/kg 8.72 2.83 2 04/30/25 15:54 05/01/25 11:18 EPA 3050B 1,6010D DMC ND 2 1,6010D DMC Antimony, Total mg/kg 4.36 3.36 04/30/25 15:54 05/01/25 11:18 EPA 3050B Arsenic, Total 2.52 mg/kg 0.872 0.377 2 04/30/25 15:54 05/01/25 11:18 EPA 3050B 1,6010D DMC Barium, Total 54.9 0.872 0.092 2 04/30/25 15:54 05/01/25 11:18 EPA 3050B 1,6010D DMC mg/kg J 2 1,6010D DMC Beryllium, Total 0.356 mg/kg 0.436 0.048 04/30/25 15:54 05/01/25 11:18 EPA 3050B J 2 1,6010D DMC Cadmium, Total 0.061 mg/kg 0.872 0.048 04/30/25 15:54 05/01/25 11:18 EPA 3050B Calcium, Total 2550 8.72 4.94 2 04/30/25 15:54 05/01/25 11:18 EPA 3050B 1,6010D mg/kg **DMC** 2 1,6010D DMC 14.8 0.872 0.739 04/30/25 15:54 05/01/25 11:18 EPA 3050B Chromium, Total mg/kg 2 1,6010D Cobalt, Total 4.74 mg/kg 1.74 0.216 04/30/25 15:54 05/01/25 11:18 EPA 3050B **DMC** 1,6010D Copper, Total 19.6 0.872 0.198 2 04/30/25 15:54 05/01/25 11:18 EPA 3050B DMC mg/kg 2 1,6010D DMC 10700 4.36 0.915 04/30/25 15:54 05/01/25 11:18 EPA 3050B Iron, Total mg/kg 2 Lead, Total 78.1 mg/kg 4.36 0.207 04/30/25 15:54 05/01/25 11:18 EPA 3050B 1,6010D DMC 1990 8.72 1.42 2 04/30/25 15:54 05/01/25 11:18 EPA 3050B 1,6010D **DMC** Magnesium, Total mg/kg 0.467 2 1,6010D **DMC** Manganese, Total 181 mg/kg 0.872 04/30/25 15:54 05/01/25 11:18 EPA 3050B Mercury, Total 0.159 mg/kg 0.073 0.048 1 04/30/25 16:58 05/01/25 08:26 EPA 7471B 1,7471B CME Nickel, Total 10.6 2.18 0.704 2 04/30/25 15:54 05/01/25 11:18 EPA 3050B 1,6010D DMC mg/kg 2 1,6010D DMC Potassium, Total 1140 mg/kg 218 44.2 04/30/25 15:54 05/01/25 11:18 EPA 3050B Selenium, Total ND mg/kg 1.74 0.287 2 04/30/25 15:54 05/01/25 11:18 EPA 3050B 1,6010D **DMC** Silver, Total ND mg/kg 0.436 0.260 2 04/30/25 15:54 05/01/25 11:18 EPA 3050B 1,6010D **DMC** Sodium, Total ND mg/kg 174 92.4 2 04/30/25 15:54 05/01/25 11:18 EPA 3050B 1,6010D DMC Thallium, Total ND 1.74 0.786 2 04/30/25 15:54 05/01/25 11:18 EPA 3050B 1,6010D DMC mg/kg 18.6 2 1,6010D DMC Vanadium, Total mg/kg 0.872 0.132 04/30/25 15:54 05/01/25 11:18 EPA 3050B 2 1,6010D 33.1 4.36 0.528 DMC Zinc, Total mg/kg 04/30/25 15:54 05/01/25 11:18 EPA 3050B



04/23/25 10:30

Date Collected:

 Project Name:
 13968
 Lab Number:
 L2525183

 Project Number:
 13968
 Report Date:
 05/06/25

SAMPLE RESULTS

Lab ID: L2525183-03 Client ID: EB-03 (2.5-3)

Client ID: EB-03 (2.5-3) Date Received: 04/24/25
Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Percent Solids: 90%

Dilution Date Date Prep Analytical Method Qualifier Factor **Prepared** Analyzed Method **Parameter** Result Units MDL RL Analyst Total Metals - Mansfield Lab Aluminum, Total 11200 mg/kg 8.41 2.73 2 04/30/25 15:54 05/01/25 11:23 EPA 3050B 1,6010D DMC ND 2 1,6010D DMC Antimony, Total mg/kg 4.20 3.24 04/30/25 15:54 05/01/25 11:23 EPA 3050B Arsenic, Total 3.12 mg/kg 0.841 0.363 2 04/30/25 15:54 05/01/25 11:23 EPA 3050B 1,6010D DMC 2 Barium, Total 54.6 0.841 0.089 04/30/25 15:54 05/01/25 11:23 EPA 3050B 1,6010D DMC mg/kg J 2 1,6010D DMC Beryllium, Total 0.403 mg/kg 0.420 0.046 04/30/25 15:54 05/01/25 11:23 EPA 3050B J 2 1,6010D DMC Cadmium, Total 0.089 mg/kg 0.841 0.046 04/30/25 15:54 05/01/25 11:23 EPA 3050B Calcium, Total 1310 8.41 4.77 2 04/30/25 15:54 05/01/25 11:23 EPA 3050B 1,6010D mg/kg **DMC** 2 1,6010D DMC 14.6 0.713 04/30/25 15:54 05/01/25 11:23 EPA 3050B Chromium, Total mg/kg 0.841 2 1,6010D Cobalt, Total 7.10 mg/kg 1.68 0.208 04/30/25 15:54 05/01/25 11:23 EPA 3050B **DMC** 1,6010D Copper, Total 10.7 0.841 0.191 2 04/30/25 15:54 05/01/25 11:23 EPA 3050B DMC mg/kg 2 1,6010D DMC 16300 4.20 0.883 04/30/25 15:54 05/01/25 11:23 EPA 3050B Iron, Total mg/kg 2 Lead, Total 17.4 mg/kg 4.20 0.200 04/30/25 15:54 05/01/25 11:23 EPA 3050B 1,6010D DMC Magnesium, Total 5110 8.41 1.37 2 04/30/25 15:54 05/01/25 11:23 EPA 3050B 1,6010D DMC mg/kg 0.451 2 1,6010D **DMC** Manganese, Total 340 mg/kg 0.841 04/30/25 15:54 05/01/25 11:23 EPA 3050B Mercury, Total ND mg/kg 0.080 0.052 1 04/30/25 16:58 05/01/25 08:29 EPA 7471B 1,7471B CME Nickel, Total 12.2 2.10 0.680 2 04/30/25 15:54 05/01/25 11:23 EPA 3050B 1,6010D DMC mg/kg 908 2 1,6010D DMC Potassium, Total mg/kg 210 42.6 04/30/25 15:54 05/01/25 11:23 EPA 3050B Selenium, Total ND mg/kg 1.68 0.277 2 04/30/25 15:54 05/01/25 11:23 EPA 3050B 1,6010D **DMC** Silver, Total ND mg/kg 0.420 0.251 2 04/30/25 15:54 05/01/25 11:23 EPA 3050B 1,6010D **DMC** Sodium, Total ND mg/kg 168 89.2 2 04/30/25 15:54 05/01/25 11:23 EPA 3050B 1,6010D DMC Thallium, Total ND 1.68 0.759 2 04/30/25 15:54 05/01/25 11:23 EPA 3050B 1,6010D DMC mg/kg 20.9 0.841 2 04/30/25 15:54 05/01/25 11:23 EPA 3050B 1,6010D DMC Vanadium, Total mg/kg 0.127 2 1,6010D 40.5 4.20 0.510 DMC Zinc, Total mg/kg 04/30/25 15:54 05/01/25 11:23 EPA 3050B



04/23/25 10:50

Date Collected:

 Project Name:
 13968
 Lab Number:
 L2525183

 Project Number:
 13968
 Report Date:
 05/06/25

SAMPLE RESULTS

Lab ID: L2525183-04

Client ID: EB-04 (1.5-2) Date Received: 04/24/25
Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Percent Solids: 91%

Dilution Date Date Prep **Analytical** Method Qualifier Factor **Prepared** Analyzed Method **Parameter** Result Units MDL RL Analyst Total Metals - Mansfield Lab Aluminum, Total 8510 mg/kg 17.0 5.52 4 05/01/25 01:00 05/01/25 12:52 EPA 3050B 1,6010D DMC ND 4 1,6010D DMC Antimony, Total mg/kg 8.49 6.54 05/01/25 01:00 05/01/25 12:52 EPA 3050B Arsenic, Total 3.60 mg/kg 1.70 0.734 4 05/01/25 01:00 05/01/25 12:52 EPA 3050B 1,6010D DMC Barium, Total 33.7 1.70 0.180 4 05/01/25 01:00 05/01/25 12:52 EPA 3050B 1,6010D DMC mg/kg J 1,6010D DMC Beryllium, Total 0.435 mg/kg 0.849 0.093 4 05/01/25 01:00 05/01/25 12:52 EPA 3050B J 1,6010D DMC Cadmium, Total 0.187 mg/kg 1.70 0.093 4 05/01/25 01:00 05/01/25 12:52 EPA 3050B Calcium, Total 79100 17.0 9.63 4 05/01/25 01:00 05/01/25 12:52 EPA 3050B 1,6010D mg/kg **DMC** 4 1,6010D DMC 9.81 1.70 05/01/25 01:00 05/01/25 12:52 EPA 3050B Chromium, Total mg/kg 1.44 4 1,6010D Cobalt, Total 5.18 mg/kg 3.40 0.421 05/01/25 01:00 05/01/25 12:52 EPA 3050B **DMC** 1,6010D Copper, Total 13.3 1.70 0.386 4 05/01/25 01:00 05/01/25 12:52 EPA 3050B DMC mg/kg 8.49 1,6010D DMC 14000 1.78 4 05/01/25 01:00 05/01/25 12:52 EPA 3050B Iron, Total mg/kg Lead, Total 20.6 mg/kg 8.49 0.404 4 05/01/25 01:00 05/01/25 12:52 EPA 3050B 1,6010D DMC 55400 17.0 2.77 4 05/01/25 01:00 05/01/25 12:52 EPA 3050B 1,6010D DMC Magnesium, Total mg/kg 1.70 0.911 4 1,6010D **DMC** Manganese, Total 401 mg/kg 05/01/25 01:00 05/01/25 12:52 EPA 3050B Mercury, Total ND mg/kg 0.077 0.050 1 05/01/25 01:20 05/01/25 09:22 EPA 7471B 1,7471B CME Nickel, Total 8.92 4.25 1.37 4 05/01/25 01:00 05/01/25 12:52 EPA 3050B 1,6010D DMC mg/kg 425 4 1,6010D DMC Potassium, Total 884 mg/kg 86.1 05/01/25 01:00 05/01/25 12:52 EPA 3050B Selenium, Total ND mg/kg 3.40 0.559 4 05/01/25 01:00 05/01/25 12:52 EPA 3050B 1,6010D **DMC** Silver, Total ND mg/kg 0.849 0.506 4 05/01/25 01:00 05/01/25 12:52 EPA 3050B 1,6010D **DMC** Sodium, Total ND mg/kg 340 180. 4 05/01/25 01:00 05/01/25 12:52 EPA 3050B 1,6010D DMC Thallium, Total ND 3.40 1.53 4 05/01/25 01:00 05/01/25 12:52 EPA 3050B 1,6010D DMC mg/kg 16.4 1.70 4 05/01/25 01:00 05/01/25 12:52 EPA 3050B 1,6010D DMC Vanadium, Total mg/kg 0.256 1,6010D 35.6 1.03 4 DMC Zinc, Total mg/kg 8.49 05/01/25 01:00 05/01/25 12:52 EPA 3050B



04/23/25 11:15

Date Collected:

 Project Name:
 13968
 Lab Number:
 L2525183

 Project Number:
 13968
 Report Date:
 05/06/25

SAMPLE RESULTS

Lab ID: L2525183-05

Client ID: EB-05 (4.5-5) Date Received: 04/24/25
Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Percent Solids: 97%

Dilution Date Date Prep **Analytical** Method Qualifier Factor **Prepared** Analyzed Method **Parameter** Result Units MDL RL Analyst Total Metals - Mansfield Lab Aluminum, Total 2810 mg/kg 80.3 26.1 20 05/01/25 01:00 05/01/25 12:57 EPA 3050B 1,6010D DMC ND 40.1 20 1,6010D DMC Antimony, Total mg/kg 30.9 05/01/25 01:00 05/01/25 12:57 EPA 3050B Arsenic, Total ND mg/kg 8.03 3.47 20 05/01/25 01:00 05/01/25 12:57 EPA 3050B 1,6010D DMC Barium, Total 12.0 8.03 0.851 20 05/01/25 01:00 05/01/25 12:57 EPA 3050B 1,6010D DMC mg/kg ND 20 1,6010D DMC Beryllium, Total mg/kg 4.01 0.441 05/01/25 01:00 05/01/25 12:57 EPA 3050B J 1,6010D DMC Cadmium, Total 0.442 mg/kg 8.03 0.441 20 05/01/25 01:00 05/01/25 12:57 EPA 3050B Calcium, Total 177000 80.3 45.5 20 05/01/25 01:00 05/01/25 12:57 EPA 3050B 1,6010D mg/kg **DMC** 20 1,6010D DMC ND 8.03 6.81 05/01/25 01:00 05/01/25 12:57 EPA 3050B Chromium, Total mg/kg ND 20 1,6010D Cobalt, Total mg/kg 16.0 1.99 05/01/25 01:00 05/01/25 12:57 EPA 3050B **DMC** 1,6010D Copper, Total 12.8 8.03 1.82 20 05/01/25 01:00 05/01/25 12:57 EPA 3050B DMC mg/kg 5380 1,6010D DMC Iron, Total 40.1 8.43 20 05/01/25 01:00 05/01/25 12:57 EPA 3050B mg/kg Lead, Total 117 mg/kg 40.1 1.91 20 05/01/25 01:00 05/01/25 12:57 EPA 3050B 1,6010D DMC Magnesium, Total 113000 80.3 13.1 20 05/01/25 01:00 05/01/25 12:57 EPA 3050B 1,6010D DMC mg/kg 8.03 4.30 20 1,6010D **DMC** Manganese, Total 1030 mg/kg 05/01/25 01:00 05/01/25 12:57 EPA 3050B Mercury, Total ND mg/kg 0.071 0.046 1 05/01/25 01:20 05/01/25 09:32 EPA 7471B 1,7471B CME Nickel, Total ND 20.1 6.48 20 05/01/25 01:00 05/01/25 12:57 EPA 3050B 1,6010D DMC mg/kg ND 2010 407. 1,6010D DMC Potassium, Total mg/kg 20 05/01/25 01:00 05/01/25 12:57 EPA 3050B Selenium, Total ND mg/kg 16.0 2.64 20 05/01/25 01:00 05/01/25 12:57 EPA 3050B 1,6010D DMC Silver, Total ND mg/kg 4.01 2.39 20 05/01/25 01:00 05/01/25 12:57 EPA 3050B 1,6010D **DMC** Sodium, Total ND mg/kg 1600 851. 20 05/01/25 01:00 05/01/25 12:57 EPA 3050B 1,6010D DMC Thallium, Total ND 16.0 7.24 20 05/01/25 01:00 05/01/25 12:57 EPA 3050B 1,6010D DMC mg/kg Vanadium, Total 17.5 1.21 20 05/01/25 01:00 05/01/25 12:57 EPA 3050B 1,6010D DMC mg/kg 8.03 1,6010D 57.0 4.86 20 DMC Zinc, Total mg/kg 40.1 05/01/25 01:00 05/01/25 12:57 EPA 3050B



04/23/25 11:35

Date Collected:

 Project Name:
 13968
 Lab Number:
 L2525183

 Project Number:
 13968
 Report Date:
 05/06/25

SAMPLE RESULTS

Lab ID: L2525183-06 Client ID: EB-06 (7-7.5)

Client ID: EB-06 (7-7.5) Date Received: 04/24/25
Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Percent Solids: 93%

Dilution Date Date Prep **Analytical** Method Qualifier Factor **Prepared** Analyzed Method **Parameter** Result Units MDL RL Analyst Total Metals - Mansfield Lab Aluminum, Total 11600 mg/kg 33.1 10.8 8 05/01/25 01:00 05/01/25 13:14 EPA 3050B 1,6010D DMC ND 8 1,6010D DMC Antimony, Total mg/kg 16.5 12.7 05/01/25 01:00 05/01/25 13:14 EPA 3050B J Arsenic, Total 1.68 mg/kg 3.31 1.43 8 05/01/25 01:00 05/01/25 13:14 EPA 3050B 1,6010D DMC Barium, Total 25.2 3.31 0.351 8 05/01/25 01:00 05/01/25 13:14 EPA 3050B 1,6010D DMC mg/kg J 8 1,6010D DMC Beryllium, Total 0.930 mg/kg 1.65 0.182 05/01/25 01:00 05/01/25 13:14 EPA 3050B J 1,6010D DMC Cadmium, Total 0.343 mg/kg 3.31 0.182 8 05/01/25 01:00 05/01/25 13:14 EPA 3050B Calcium, Total 121000 33.1 18.8 8 05/01/25 01:00 05/01/25 13:14 EPA 3050B 1,6010D mg/kg **DMC** 8 1,6010D DMC 3.31 2.81 05/01/25 01:00 05/01/25 13:14 EPA 3050B Chromium, Total 11.1 mg/kg J 8 1,6010D Cobalt, Total 3.94 mg/kg 6.62 0.821 05/01/25 01:00 05/01/25 13:14 EPA 3050B **DMC** 1,6010D Copper, Total 13.5 3.31 0.751 8 05/01/25 01:00 05/01/25 13:14 EPA 3050B DMC mg/kg 1,6010D DMC 17200 16.5 3.47 8 05/01/25 01:00 05/01/25 13:14 EPA 3050B Iron, Total mg/kg J Lead, Total 14.2 mg/kg 16.5 0.788 8 05/01/25 01:00 05/01/25 13:14 EPA 3050B 1,6010D DMC Magnesium, Total 96500 33.1 5.39 8 05/01/25 01:00 05/01/25 13:14 EPA 3050B 1,6010D DMC mg/kg 1.77 8 1,6010D **DMC** Manganese, Total 532 mg/kg 3.31 05/01/25 01:00 05/01/25 13:14 EPA 3050B Mercury, Total ND mg/kg 0.070 0.046 1 05/01/25 01:20 05/01/25 09:35 EPA 7471B 1,7471B CME Nickel, Total 6.68 J 8.27 2.67 8 05/01/25 01:00 05/01/25 13:14 EPA 3050B 1,6010D DMC mg/kg 8 1,6010D DMC Potassium, Total 1240 mg/kg 827 168. 05/01/25 01:00 05/01/25 13:14 EPA 3050B Selenium, Total ND mg/kg 6.62 1.09 8 05/01/25 01:00 05/01/25 13:14 EPA 3050B 1,6010D DMC Silver, Total ND mg/kg 1.65 0.986 8 05/01/25 01:00 05/01/25 13:14 EPA 3050B 1,6010D **DMC** Sodium, Total ND mg/kg 662 351. 8 05/01/25 01:00 05/01/25 13:14 EPA 3050B 1,6010D DMC Thallium, Total ND 6.62 2.98 8 05/01/25 01:00 05/01/25 13:14 EPA 3050B 1,6010D DMC mg/kg 19.2 8 05/01/25 01:00 05/01/25 13:14 EPA 3050B 1,6010D DMC Vanadium, Total mg/kg 3.31 0.500 1,6010D 58.3 2.00 8 DMC Zinc, Total mg/kg 16.5 05/01/25 01:00 05/01/25 13:14 EPA 3050B



04/23/25 11:50

Date Collected:

 Project Name:
 13968
 Lab Number:
 L2525183

 Project Number:
 13968
 Report Date:
 05/06/25

SAMPLE RESULTS

Lab ID: L2525183-07

Client ID: EB-07 (4-4.5) Date Received: 04/24/25
Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

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Sample Depth:

Matrix: Soil Percent Solids: 81%

Dilution Date Date Prep **Analytical** Method Qualifier Factor **Prepared** Analyzed Method **Parameter** Result Units MDL RL Analyst Total Metals - Mansfield Lab Aluminum, Total 5730 mg/kg 9.35 3.04 2 05/01/25 01:00 05/01/25 11:28 EPA 3050B 1,6010D DMC ND 2 1,6010D DMC Antimony, Total mg/kg 4.67 3.60 05/01/25 01:00 05/01/25 11:28 EPA 3050B 05/01/25 01:00 05/01/25 11:28 EPA 3050B Arsenic, Total 1.25 mg/kg 0.935 0.404 2 1,6010D DMC 2 Barium, Total 59.9 0.935 0.099 05/01/25 01:00 05/01/25 11:28 EPA 3050B 1,6010D DMC mg/kg J 2 1,6010D DMC Beryllium, Total 0.246 mg/kg 0.467 0.051 05/01/25 01:00 05/01/25 11:28 EPA 3050B J 2 05/01/25 01:00 05/01/25 11:28 EPA 3050B 0.051 1,6010D DMC Cadmium, Total 0.129 mg/kg 0.935 Calcium, Total 27700 9.35 5.30 2 05/01/25 01:00 05/01/25 11:28 EPA 3050B 1,6010D mg/kg **DMC** 2 1,6010D DMC 15.7 0.935 0.793 05/01/25 01:00 05/01/25 11:28 EPA 3050B Chromium, Total mg/kg 2 0.232 1,6010D Cobalt, Total 5.03 mg/kg 1.87 05/01/25 01:00 05/01/25 11:28 EPA 3050B **DMC** 1,6010D Copper, Total 13.4 0.935 0.212 2 05/01/25 01:00 05/01/25 11:28 EPA 3050B DMC mg/kg 2 1,6010D DMC 9400 0.981 05/01/25 01:00 05/01/25 11:28 EPA 3050B Iron, Total mg/kg 4.67 2 Lead, Total 6.52 mg/kg 4.67 0.222 05/01/25 01:00 05/01/25 11:28 EPA 3050B 1,6010D DMC Magnesium, Total 13200 9.35 1.52 2 05/01/25 01:00 05/01/25 11:28 EPA 3050B 1,6010D DMC mg/kg 0.935 0.501 2 1,6010D **DMC** Manganese, Total 189 mg/kg 05/01/25 01:00 05/01/25 11:28 EPA 3050B Mercury, Total ND mg/kg 0.087 0.057 1 05/01/25 01:20 05/01/25 09:38 EPA 7471B 1,7471B CME Nickel, Total 13.2 2.34 0.755 2 05/01/25 01:00 05/01/25 11:28 EPA 3050B 1,6010D DMC mg/kg 47.4 2 1,6010D DMC Potassium, Total 1700 mg/kg 234 05/01/25 01:00 05/01/25 11:28 EPA 3050B Selenium, Total ND mg/kg 1.87 0.308 2 05/01/25 01:00 05/01/25 11:28 EPA 3050B 1,6010D DMC Silver, Total ND mg/kg 0.467 0.278 2 05/01/25 01:00 05/01/25 11:28 EPA 3050B 1,6010D **DMC** J Sodium, Total 128 mg/kg 187 99.1 2 05/01/25 01:00 05/01/25 11:28 EPA 3050B 1,6010D DMC Thallium, Total ND 1.87 0.843 2 05/01/25 01:00 05/01/25 11:28 EPA 3050B 1,6010D DMC mg/kg 2 05/01/25 01:00 05/01/25 11:28 EPA 3050B 1,6010D DMC Vanadium, Total 15.3 mg/kg 0.935 0.141 2 1,6010D 22.3 0.566 DMC Zinc, Total mg/kg 4.67 05/01/25 01:00 05/01/25 11:28 EPA 3050B



04/23/25 12:10

Date Collected:

 Project Name:
 13968
 Lab Number:
 L2525183

 Project Number:
 13968
 Report Date:
 05/06/25

SAMPLE RESULTS

Lab ID: L2525183-08 Client ID: EB-08 (3.5-4)

Client ID: EB-08 (3.5-4) Date Received: 04/24/25
Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Percent Solids: 93%

Dilution Date Date Prep **Analytical** Method Qualifier Factor **Prepared** Analyzed Method **Parameter** Result Units MDL RL Analyst Total Metals - Mansfield Lab Aluminum, Total 5000 mg/kg 8.30 2.70 2 05/01/25 01:00 05/01/25 11:33 EPA 3050B 1,6010D DMC ND 2 1,6010D DMC Antimony, Total mg/kg 4.15 3.20 05/01/25 01:00 05/01/25 11:33 EPA 3050B Arsenic, Total 3.32 mg/kg 0.830 0.359 2 05/01/25 01:00 05/01/25 11:33 EPA 3050B 1,6010D DMC 2 Barium, Total 46.7 0.830 0.088 05/01/25 01:00 05/01/25 11:33 EPA 3050B 1,6010D DMC mg/kg J 2 1,6010D DMC Beryllium, Total 0.232 mg/kg 0.415 0.046 05/01/25 01:00 05/01/25 11:33 EPA 3050B J 2 1,6010D DMC Cadmium, Total 0.281 mg/kg 0.830 0.046 05/01/25 01:00 05/01/25 11:33 EPA 3050B Calcium, Total 8560 8.30 4.71 2 05/01/25 01:00 05/01/25 11:33 EPA 3050B 1,6010D mg/kg **DMC** 2 1,6010D DMC 8.76 0.830 0.704 05/01/25 01:00 05/01/25 11:33 EPA 3050B Chromium, Total mg/kg 2 1,6010D Cobalt, Total 4.30 mg/kg 1.66 0.206 05/01/25 01:00 05/01/25 11:33 EPA 3050B **DMC** 1,6010D Copper, Total 23.3 0.830 0.188 2 05/01/25 01:00 05/01/25 11:33 EPA 3050B DMC mg/kg 9470 2 1,6010D DMC 0.872 05/01/25 01:00 05/01/25 11:33 EPA 3050B Iron, Total mg/kg 4.15 2 Lead, Total 82.6 mg/kg 4.15 0.198 05/01/25 01:00 05/01/25 11:33 EPA 3050B 1,6010D DMC Magnesium, Total 6020 8.30 1.35 2 05/01/25 01:00 05/01/25 11:33 EPA 3050B 1,6010D DMC mg/kg 0.830 0.445 2 1,6010D **DMC** Manganese, Total 152 mg/kg 05/01/25 01:00 05/01/25 11:33 EPA 3050B Mercury, Total 0.194 mg/kg 0.076 0.050 1 05/01/25 01:20 05/01/25 09:41 EPA 7471B 1,7471B CME Nickel, Total 8.94 2.08 0.671 2 05/01/25 01:00 05/01/25 11:33 EPA 3050B 1,6010D DMC mg/kg 2 1,6010D DMC Potassium, Total 1110 mg/kg 208 42.1 05/01/25 01:00 05/01/25 11:33 EPA 3050B Selenium, Total ND mg/kg 1.66 0.273 2 05/01/25 01:00 05/01/25 11:33 EPA 3050B 1,6010D **DMC** Silver, Total ND mg/kg 0.415 0.247 2 05/01/25 01:00 05/01/25 11:33 EPA 3050B 1,6010D **DMC** J Sodium, Total 118 mg/kg 166 88.0 2 05/01/25 01:00 05/01/25 11:33 EPA 3050B 1,6010D DMC Thallium, Total ND 1.66 0.749 2 05/01/25 01:00 05/01/25 11:33 EPA 3050B 1,6010D DMC mg/kg 17.5 0.830 2 05/01/25 01:00 05/01/25 11:33 EPA 3050B 1,6010D DMC Vanadium, Total mg/kg 0.125 2 1,6010D 59.4 0.503 DMC Zinc, Total mg/kg 4.15 05/01/25 01:00 05/01/25 11:33 EPA 3050B



04/23/25 13:15

Date Collected:

 Project Name:
 13968
 Lab Number:
 L2525183

 Project Number:
 13968
 Report Date:
 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-09

Client ID: EB-09 (4.5-5) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Campio Location. 04 OTATE OTALET, OCCITATO, 141

Sample Depth:

Matrix: Soil Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Man	sfield Lab										
Aluminum, Total	3360		mg/kg	8.65	2.81	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.33	3.33	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC
Arsenic, Total	5.84		mg/kg	0.865	0.374	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC
Barium, Total	38.2		mg/kg	0.865	0.092	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.296	J	mg/kg	0.433	0.048	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.290	J	mg/kg	0.865	0.048	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC
Calcium, Total	54700		mg/kg	17.3	9.81	4	05/01/25 01:00	05/01/25 13:06	EPA 3050B	1,6010D	DMC
Chromium, Total	11.3		mg/kg	0.865	0.734	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC
Cobalt, Total	4.30		mg/kg	1.73	0.215	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC
Copper, Total	29.3		mg/kg	0.865	0.196	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC
Iron, Total	9850		mg/kg	4.33	0.909	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC
Lead, Total	93.8		mg/kg	4.33	0.206	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC
Magnesium, Total	26900		mg/kg	8.65	1.41	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC
Manganese, Total	126		mg/kg	0.865	0.464	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC
Mercury, Total	0.104		mg/kg	0.071	0.046	1	05/01/25 01:20	05/01/25 09:45	EPA 7471B	1,7471B	CME
Nickel, Total	8.12		mg/kg	2.16	0.699	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC
Potassium, Total	495		mg/kg	216	43.9	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.73	0.285	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.433	0.258	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC
Sodium, Total	158	J	mg/kg	173	91.7	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.73	0.781	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC
Vanadium, Total	26.4		mg/kg	0.865	0.131	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC
Zinc, Total	80.4		mg/kg	4.33	0.524	2	05/01/25 01:00	05/01/25 11:37	EPA 3050B	1,6010D	DMC



 Project Name:
 13968
 Lab Number:
 L2525183

 Project Number:
 13968
 Report Date:
 05/06/25

# Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield	d Lab for sample(s):	01-03 B	atch: W	G206076	66-1				
Aluminum, Total	ND	mg/kg	4.00	1.30	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Antimony, Total	ND	mg/kg	2.00	1.54	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Arsenic, Total	ND	mg/kg	0.400	0.173	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Barium, Total	ND	mg/kg	0.400	0.042	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Beryllium, Total	ND	mg/kg	0.200	0.022	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Cadmium, Total	ND	mg/kg	0.400	0.022	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Calcium, Total	ND	mg/kg	4.00	2.27	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Chromium, Total	ND	mg/kg	0.400	0.339	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Cobalt, Total	ND	mg/kg	0.800	0.099	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Copper, Total	ND	mg/kg	0.400	0.091	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Iron, Total	1.35 J	mg/kg	2.00	0.420	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Lead, Total	ND	mg/kg	2.00	0.095	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Magnesium, Total	ND	mg/kg	4.00	0.652	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Manganese, Total	ND	mg/kg	0.400	0.214	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Nickel, Total	ND	mg/kg	1.00	0.323	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Potassium, Total	ND	mg/kg	100	20.3	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Selenium, Total	ND	mg/kg	0.800	0.132	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Silver, Total	ND	mg/kg	0.200	0.119	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Sodium, Total	ND	mg/kg	80.0	42.4	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Thallium, Total	ND	mg/kg	0.800	0.361	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Vanadium, Total	ND	mg/kg	0.400	0.060	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC
Zinc, Total	ND	mg/kg	2.00	0.242	1	04/30/25 15:54	05/01/25 07:54	1,6010D	DMC

**Prep Information** 

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Man	nsfield Lab for sample(s):	01-03 B	atch: Wo	G20607	69-1				
Mercury, Total	ND	mg/kg	0.083	0.054	1	04/30/25 16:58	05/01/25 07:29	1,7471B	CME



 Project Name:
 13968
 Lab Number:
 L2525183

 Project Number:
 13968
 Report Date:
 05/06/25

# Method Blank Analysis Batch Quality Control

#### **Prep Information**

Digestion Method: EPA 7471B

Parameter	Result Q	ualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	
Total Metals - Mansfield I	_ab for sa	mple(s):	04-09 E	Batch: Wo	G20608	50-1				
Aluminum, Total	ND		mg/kg	4.00	1.30	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Antimony, Total	ND		mg/kg	2.00	1.54	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Arsenic, Total	ND		mg/kg	0.400	0.173	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Barium, Total	ND		mg/kg	0.400	0.042	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Beryllium, Total	ND		mg/kg	0.200	0.022	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.400	0.022	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Calcium, Total	ND		mg/kg	4.00	2.27	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Chromium, Total	ND		mg/kg	0.400	0.339	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Cobalt, Total	ND		mg/kg	0.800	0.099	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Copper, Total	ND		mg/kg	0.400	0.091	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Iron, Total	1.15	J	mg/kg	2.00	0.420	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Lead, Total	ND		mg/kg	2.00	0.095	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Magnesium, Total	0.690	J	mg/kg	4.00	0.652	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Manganese, Total	ND		mg/kg	0.400	0.214	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Nickel, Total	ND		mg/kg	1.00	0.323	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Potassium, Total	ND		mg/kg	100	20.3	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Selenium, Total	ND		mg/kg	0.800	0.132	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Silver, Total	ND		mg/kg	0.200	0.119	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Sodium, Total	ND		mg/kg	80.0	42.4	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Thallium, Total	ND		mg/kg	0.800	0.361	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Vanadium, Total	ND		mg/kg	0.400	0.060	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC
Zinc, Total	ND		mg/kg	2.00	0.242	1	05/01/25 01:00	05/01/25 10:06	1,6010D	DMC

**Prep Information** 

Digestion Method: EPA 3050B



**Project Name:** Lab Number: 13968 L2525183 Project Number: 13968 **Report Date:** 

05/06/25

#### **Method Blank Analysis Batch Quality Control**

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytica Method	l Analyst
Total Metals - Mansfield	d Lab for sample(s):	04-09 B	atch: W	G20608	51-1				
Mercury, Total	ND	mg/kg	0.083	0.054	1	05/01/25 01:20	05/01/25 09:05	1,7471B	CME

**Prep Information** 

Digestion Method: EPA 7471B



**Project Name:** 13968 **Project Number:** 

13968

L2525183

Report Date:

Lab Number:

05/06/25

arameter	LCS %Recovery	LCSD Qual %Recovery	%Recovery Qual Limits	RPD	Qual	RPD Limits
otal Metals - Mansfield Lab Associa	ated sample(s): 01-03	Batch: WG2060766-2				
Aluminum, Total	120	-	80-120	-		
Antimony, Total	102	-	80-120	-		
Arsenic, Total	101	-	80-120	-		
Barium, Total	99	-	80-120	-		
Beryllium, Total	101	-	80-120	-		
Cadmium, Total	100	-	80-120	-		
Calcium, Total	100	-	80-120	-		
Chromium, Total	99	-	80-120	-		
Cobalt, Total	100	-	80-120	-		
Copper, Total	102	-	80-120	-		
Iron, Total	116	-	80-120	-		
Lead, Total	101	-	80-120	-		
Magnesium, Total	103	-	80-120	-		
Manganese, Total	101	-	80-120	-		
Nickel, Total	100	-	80-120	-		
Potassium, Total	103	-	80-120	-		
Selenium, Total	103	-	80-120	-		
Silver, Total	98	-	80-120	-		
Sodium, Total	102	-	80-120	-		
Thallium, Total	99	-	80-120	-		
Vanadium, Total	103	-	80-120	-		



**Project Name:** 13968

**Project Number:** 13968 Lab Number:

L2525183

Report Date:

05/06/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab	Associated sample(s): 01-03	Batch: WG2060766-2			
Zinc, Total	102	-	80-120	-	
Total Metals - Mansfield Lab	Associated sample(s): 01-03	Batch: WG2060769-2			
Mercury, Total	96	-	80-120	-	



Project Name: 13968
Project Number: 13968

Lab Number: L2525183

**Report Date:** 05/06/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sam	ple(s): 04-09	Batch: WG2060850-2			
Aluminum, Total	106	-	80-120	-	
Antimony, Total	101	-	80-120	-	
Arsenic, Total	98	-	80-120	-	
Barium, Total	104	-	80-120	-	
Beryllium, Total	104	-	80-120	-	
Cadmium, Total	101	-	80-120	-	
Calcium, Total	102	-	80-120	-	
Chromium, Total	106	-	80-120	-	
Cobalt, Total	99	-	80-120	-	
Copper, Total	106	-	80-120	-	
Iron, Total	102	-	80-120	-	
Lead, Total	100	-	80-120	-	
Magnesium, Total	105	-	80-120	-	
Manganese, Total	102	-	80-120	-	
Nickel, Total	100	-	80-120	-	
Potassium, Total	104	-	80-120	-	
Selenium, Total	99	-	80-120	-	
Silver, Total	104	-	80-120	-	
Sodium, Total	104	-	80-120	-	
Thallium, Total	98	-	80-120	-	
Vanadium, Total	104	-	80-120	-	



**Project Name:** 13968

**Project Number:** 13968 Lab Number:

L2525183

Report Date:

05/06/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab	Associated sample(s): 04-09	Batch: WG2060850-2			
Zinc, Total	100	-	80-120	-	
Total Metals - Mansfield Lab	Associated sample(s): 04-09	Batch: WG2060851-2			
Mercury, Total	96	-	80-120	-	



Project Name: 13968
Project Number: 13968

Lab Number: L2525183

**Report Date:** 05/06/25

arameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery Qua	Recovery al Limits	RPD Qual	RPD Limits
Total Metals - Mansfield Lab	Associated sar	nple(s): 01-03	QC Ba	tch ID: WG2060	0766-3	QC Sam	nple: L2525183-01	Client ID: EE	3-01 (2-2.5)	
Aluminum, Total	9240	173	9960	415	Q	-	-	75-125	-	20
Antimony, Total	ND	43.4	14.0	32	Q	-	-	75-125	-	20
Arsenic, Total	5.08	10.4	16.4	109		-	-	75-125	-	20
Barium, Total	89.3	173	244	89		-	-	75-125	-	20
Beryllium, Total	0.370J	4.34	4.36	100		-	-	75-125	-	20
Cadmium, Total	0.182J	4.6	4.16	90		-	-	75-125	-	20
Calcium, Total	30000	867	29900	0	Q	-	-	75-125	-	20
Chromium, Total	14.6	17.3	28.5	80		-	-	75-125	-	20
Cobalt, Total	5.81	43.4	43.8	88		-	-	75-125	-	20
Copper, Total	29.7	21.7	49.4	91		-	-	75-125	-	20
Iron, Total	13900	86.7	15200	1500	Q	-	-	75-125	-	20
Lead, Total	162	46	202	87		-	-	75-125	-	20
Magnesium, Total	18800	867	21300	288	Q	-	-	75-125	-	20
Manganese, Total	365	43.4	392	62	Q	-	-	75-125	-	20
Nickel, Total	12.8	43.4	50.4	87		-	-	75-125	-	20
Potassium, Total	1160	867	1830	77		-	-	75-125	-	20
Selenium, Total	ND	10.4	10.3	99		-	-	75-125	-	20
Silver, Total	ND	4.34	4.44	102		-	-	75-125	-	20
Sodium, Total	ND	867	916	106		-	-	75-125	-	20
Thallium, Total	ND	10.4	10.0	96		-	-	75-125	-	20
Vanadium, Total	22.3	43.4	62.8	93		-	-	75-125	-	20



Project Name: 13968
Project Number: 13968

Lab Number:

L2525183

Report Date:

05/06/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab	Associated sam	ple(s): 01-03	QC Ba	tch ID: WG2060766-3	QC Sam	ple: L2525183-01	Client ID: EB	3-01 (2-2.5)	
Zinc, Total	118	43.4	154	83	-	-	75-125	-	20
Total Metals - Mansfield Lab	Associated sam	ple(s): 01-03	QC Ba	tch ID: WG2060769-3	QC Sam	ple: L2525183-01	Client ID: EE	3-01 (2-2.5)	
Mercury, Total	0.178	1.48	1.55	92	-	-	80-120	-	20



Project Name: 13968
Project Number: 13968

Lab Number: L2525183

**Report Date:** 05/06/25

arameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
otal Metals - Mansfield Lab	Associated sar	mple(s): 04-09	QC Ba	tch ID: WG2060	0850-3	QC Sam	ple: L2524658-01	Client ID: MS	Sample	
Aluminum, Total	7590	706	8520	132	Q	-	-	75-125	-	20
Antimony, Total	ND	177	148	84		-	-	75-125	-	20
Arsenic, Total	3.31J	42.4	46.0	108		-	-	75-125	-	20
Barium, Total	482	706	1230	106		-	-	75-125	-	20
Beryllium, Total	0.364J	17.7	18.7	106		-	-	75-125	-	20
Cadmium, Total	1.67J	18.7	20.2	108		-	-	75-125	-	20
Calcium, Total	23500	3530	27000	99		-	-	75-125	-	20
Chromium, Total	204	70.6	243	55	Q	-	-	75-125	-	20
Cobalt, Total	5.51J	177	181	102		-	-	75-125	-	20
Copper, Total	457	88.3	518	69	Q	-	-	75-125	-	20
Iron, Total	28500	353	26100	0	Q	-	-	75-125	-	20
Lead, Total	23.2	187	206	98		-	-	75-125	-	20
Magnesium, Total	4180	3530	7460	93		-	-	75-125	-	20
Manganese, Total	151	177	329	101		-	-	75-125	-	20
Nickel, Total	157	177	315	89		-	-	75-125	-	20
Potassium, Total	4690	3530	8520	108		-	-	75-125	-	20
Selenium, Total	5.10J	42.4	42.9	101		-	-	75-125	-	20
Silver, Total	1.74J	17.7	18.1	102		-	-	75-125	-	20
Sodium, Total	1900	3530	5660	106		-	-	75-125	-	20
Thallium, Total	ND	42.4	36.7	86		-	-	75-125	-	20
Vanadium, Total	14.4	177	190	99		-	-	75-125	-	20



Project Name: 13968
Project Number: 13968

Lab Number:

L2525183

Report Date:

05/06/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab A	ssociated sam	ple(s): 04-09	QC Ba	tch ID: WG2060850-3	QC San	nple: L2524658-01	Client ID: MS	Sample	
Zinc, Total	746	177	859	<b>64</b> Q	-	-	75-125	-	20
Total Metals - Mansfield Lab A	ssociated sam	ple(s): 04-09	QC Ba	tch ID: WG2060851-3	QC San	nple: L2525180-01	Client ID: MS	Sample	
Mercury, Total	ND	2.3	2.14	93	-	-	80-120	-	20



### Lab Duplicate Analysis Batch Quality Control

**Project Name:** 13968 Project Number: 13968 Lab Number: L2525183

Report Date: 05/06/25

arameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
otal Metals - Mansfield Lab Associated sample(s): 01-03	3 QC Batch ID: 1	WG2060766-4 QC Sample:	L2525183-01	Client ID:	EB-01 (2-	2.5)
Aluminum, Total	9240	9270	mg/kg	0		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	5.08	4.90	mg/kg	4		20
Barium, Total	89.3	79.8	mg/kg	11		20
Beryllium, Total	0.370J	0.363J	mg/kg	NC		20
Cadmium, Total	0.182J	0.199J	mg/kg	NC		20
Calcium, Total	30000	30500	mg/kg	2		20
Chromium, Total	14.6	12.3	mg/kg	17		20
Cobalt, Total	5.81	6.03	mg/kg	4		20
Copper, Total	29.7	28.4	mg/kg	4		20
Iron, Total	13900	13700	mg/kg	1		20
Lead, Total	162	174	mg/kg	7		20
Magnesium, Total	18800	17400	mg/kg	8		20
Manganese, Total	365	320	mg/kg	13		20
Nickel, Total	12.8	12.0	mg/kg	6		20
Potassium, Total	1160	1180	mg/kg	2		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	ND	ND	mg/kg	NC		20



### Lab Duplicate Analysis Batch Quality Control

Project Name: 13968
Project Number: 13968

 Lab Number:
 L2525183

 Report Date:
 05/06/25

Parameter	Native Sample	Duplica	ite Sample	Units	RPD	RPI	) Limits
Total Metals - Mansfield Lab Associated sample(s): 01-0	3 QC Batch ID:	WG2060766-4	QC Sample:	L2525183-01	Client ID:	EB-01 (2-2.5)	
Thallium, Total	ND		ND	mg/kg	NC		20
Vanadium, Total	22.3		22.7	mg/kg	2		20
Zinc, Total	118		132	mg/kg	11		20
otal Metals - Mansfield Lab Associated sample(s): 01-0	3 QC Batch ID:	WG2060769-4	QC Sample:	L2525183-01	Client ID:	EB-01 (2-2.5)	
Mercury, Total	0.178	(	).164	mg/kg	8		20
otal Metals - Mansfield Lab Associated sample(s): 04-0	9 QC Batch ID:	WG2060850-4	QC Sample:	L2524658-01	Client ID:	DUP Sample	
Arsenic, Total	3.31J	;	3.58J	mg/kg	NC		20
Beryllium, Total	0.364J	C	.366J	mg/kg	NC		20
Cadmium, Total	1.67J		I.66J	mg/kg	NC		20
Chromium, Total	204		204	mg/kg	0		20
Lead, Total	23.2		23.4	mg/kg	1		20
Nickel, Total	157		157	mg/kg	0		20
otal Metals - Mansfield Lab Associated sample(s): 04-0	9 QC Batch ID:	WG2060851-4	QC Sample:	L2525180-01	Client ID:	DUP Sample	
Mercury, Total	ND		ND	mg/kg	NC		20



# Lab Serial Dilution Analysis Batch Quality Control

Project Name: 13968
Project Number: 13968

 Lab Number:
 L2525183

 Report Date:
 05/06/25

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Fotal Metals - Mansfield Lab Associated sample(s): 01-	-03 QC Batch ID:	WG2060766-6 QC Sample:	L2525183-01	Client ID:	EB-01 (2-2	5)
Aluminum, Total	9240	9350	mg/kg	1		20
Barium, Total	89.3	90.5	mg/kg	1		20
Calcium, Total	30000	32000	mg/kg	7		20
Copper, Total	29.7	30.6	mg/kg	3		20
Iron, Total	13900	15100	mg/kg	9		20
Lead, Total	162	161	mg/kg	1		20
Magnesium, Total	18800	20400	mg/kg	9		20
Manganese, Total	365	386	mg/kg	6		20
Vanadium, Total	22.3	23.5	mg/kg	5		20
Zinc, Total	118	131	mg/kg	11		20
otal Metals - Mansfield Lab Associated sample(s): 04-	-09 QC Batch ID:	WG2060850-6 QC Sample:	L2524658-01	Client ID:	DUP Samp	le
Chromium, Total	204	205	mg/kg	0		20



### INORGANICS & MISCELLANEOUS



**Project Name:** Lab Number: 13968 L2525183 **Project Number:** 13968

Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: Date Collected: L2525183-01 04/23/25 09:40

Client ID: Date Received: EB-01 (2-2.5) 04/24/25 Not Specified

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep:

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - \	Westborough Lab									
Solids, Total	89.8		%	0.100	NA	1	-	04/26/25 12:11	121,2540G	ROI
Cyanide, Total	ND	r	mg/kg	1.1	0.23	1	04/30/25 19:00	05/01/25 14:15	1,9010C/9012B	JER



**Project Name:** Lab Number: 13968 L2525183 **Project Number:** 

Report Date: 13968 05/06/25

**SAMPLE RESULTS** 

Lab ID: Date Collected: L2525183-02 04/23/25 10:10

Client ID: Date Received: EB-02 (3-3.5) 04/24/25 Not Specified Sample Location: 34 STATE STREET, OSSINING, NY Field Prep:

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - W	estborough Lab	)								
Solids, Total	89.4		%	0.100	NA	1	-	04/26/25 12:11	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.22	1	04/30/25 19:00	05/01/25 14:18	1,9010C/9012B	JER



**Project Name:** Lab Number: 13968 L2525183

**Project Number: Report Date:** 13968 05/06/25

**SAMPLE RESULTS** 

Lab ID: Date Collected: L2525183-03 04/23/25 10:30

Client ID: Date Received: EB-03 (2.5-3) 04/24/25 Not Specified Sample Location: 34 STATE STREET, OSSINING, NY Field Prep:

Sample Depth:

Parameter	Result	Qualifier Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - W	estborough Lab								
Solids, Total	89.8	%	0.100	NA	1	-	04/26/25 12:11	121,2540G	ROI
Cyanide, Total	ND	mg/kg	1.1	0.23	1	04/30/25 19:00	05/01/25 14:19	1,9010C/9012B	JER



Project Name: 13968

Lab Number: L2525183

Project Number: 13968

Report Date: 05/06/25

Project Number: 13968 Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: L2525183-04 Date Collected: 04/23/25 10:50

Client ID: EB-04 (1.5-2) Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier U	nits	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - W	estborough Lab									
Solids, Total	91.4		%	0.100	NA	1	-	04/26/25 12:11	121,2540G	ROI
Cyanide, Total	ND	m	g/kg	1.0	0.22	1	04/30/25 19:00	05/01/25 14:20	1,9010C/9012B	JER



**Project Name:** Lab Number: 13968 L2525183 **Project Number:** 

**Report Date:** 13968 05/06/25

**SAMPLE RESULTS** 

Lab ID: Date Collected: L2525183-05 04/23/25 11:15

Client ID: Date Received: EB-05 (4.5-5) 04/24/25 Not Specified Sample Location: 34 STATE STREET, OSSINING, NY Field Prep:

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - W	estborough Lab	)								
Solids, Total	96.5		%	0.100	NA	1	-	04/26/25 12:11	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	04/30/25 19:00	05/01/25 14:23	1,9010C/9012B	JER



**Project Name:** Lab Number: 13968 L2525183 **Project Number:** 

Report Date: 13968 05/06/25

**SAMPLE RESULTS** 

Lab ID: Date Collected: L2525183-06 04/23/25 11:35

Client ID: Date Received: EB-06 (7-7.5) 04/24/25 Not Specified Sample Location: 34 STATE STREET, OSSINING, NY Field Prep:

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - W	estborough Lat	)								
Solids, Total	93.2		%	0.100	NA	1	-	04/26/25 12:11	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	04/30/25 19:00	05/01/25 14:24	1,9010C/9012B	JER



**Project Name:** Lab Number: 13968 L2525183

Report Date: **Project Number:** 13968 05/06/25

**SAMPLE RESULTS** 

Lab ID: Date Collected: L2525183-07 04/23/25 11:50

Client ID: Date Received: EB-07 (4-4.5) 04/24/25 Not Specified Sample Location: 34 STATE STREET, OSSINING, NY Field Prep:

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - W	estborough Lab	)								
Solids, Total	80.8		%	0.100	NA	1	-	04/26/25 12:11	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	04/30/25 19:00	05/01/25 14:25	1,9010C/9012B	JER



**Project Name:** Lab Number: 13968 L2525183 **Project Number:** 13968

Report Date: 05/06/25

**SAMPLE RESULTS** 

Lab ID: Date Collected: L2525183-08 04/23/25 12:10

Client ID: Date Received: 04/24/25 EB-08 (3.5-4) Not Specified Sample Location: 34 STATE STREET, OSSINING, NY Field Prep:

Sample Depth:

Parameter	Result	Qualifier U	nits R	L	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - W	estborough Lab	)								
Solids, Total	92.7		% 0.	100	NA	1	-	04/26/25 12:11	121,2540G	ROI
Cyanide, Total	ND	m	g/kg 1	1.1	0.23	1	04/30/25 19:00	05/01/25 14:26	1,9010C/9012B	JER



**Project Name:** Lab Number: 13968 L2525183

Report Date: **Project Number:** 13968 05/06/25

**SAMPLE RESULTS** 

Lab ID: Date Collected: L2525183-09 04/23/25 13:15

Client ID: Date Received: EB-09 (4.5-5) 04/24/25 Not Specified Sample Location: 34 STATE STREET, OSSINING, NY Field Prep:

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	estborough Lab	)								
Solids, Total	88.2		%	0.100	NA	1	-	04/26/25 12:11	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	04/30/25 19:00	05/01/25 14:27	1,9010C/9012B	JER



**Project Name:** 13968 Lab Number: L2525183 Project Number: 13968

**Report Date:** 05/06/25

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry -	Westborough Lab for sam	ple(s): 01	-09 Bat	tch: W0	G2060813-	1			
Cvanide, Total	ND	ma/ka	0.97	0.20	1	04/30/25 19:00	05/01/25 14:01	1.9010C/9012	2B JER



**Project Name:** 13968

**Project Number:** 

13968

Lab Number:

L2525183

Report Date:

05/06/25

Parameter	LCS %Recovery Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual RPD Limits	
General Chemistry - Westborough Lab	Associated sample(s): 01-09	Batch: WG20608	13-2 WG	G2060813-3			
Cyanide, Total	92	87		80-120	5	35	



Project Name: 13968
Project Number: 13968

Lab Number:

L2525183

Report Date:

05/06/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Recover Qual Limits	,	RPD ual Limits
General Chemistry - Westbor Sample	ough Lab Asso	ciated samp	le(s): 01-09	QC Batch II	D: WG2	060813-4	WG2060813-5	QC Sample: L	2525164-10	Client ID: MS
Cyanide, Total	ND	10	8.7	87		9.6	96	75-125	9	35
General Chemistry - Westbor EB-01 (2-2.5)	ough Lab Asso	ciated samp	le(s): 01-09	QC Batch II	D: WG2	060813-6	WG2060813-7	QC Sample: L	2525183-01	Client ID:
Cyanide, Total	ND	10	9.8	97		9.8	95	75-125	2	35



Lab Duplicate Analysis

Batch Quality Control

Lab Number:

L2525183

Report Date:

05/06/25

Parameter	Native Sam	ple D	ouplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab A	Associated sample(s): 01-09	QC Batch ID:	WG2058980-1	QC Sample:	L2525145-01	Client ID:	DUP Sample
Solids, Total	83.2		81.9	%	2		20



**Project Name:** 

Project Number: 13968

13968

Project Name: 13968 **Lab Number:** L2525183 Project Number: 13968

**Report Date:** 05/06/25

#### Sample Receipt and Container Information

YES Were project specific reporting limits specified?

**Cooler Information** 

**Custody Seal** Cooler

Α Absent

Container Info		Initial	Final	Temp			Frozen		
Container ID	Container Type	Cooler	рН	pН	deg C	Pres	Seal	Date/Time	Analysis(*)
L2525183-01A	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-01B	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-01C	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-01D	Plastic 2oz unpreserved for TS	Α	NA		3.4	Υ	Absent		TS(7)
L2525183-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2525183-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2525183-01G	Glass 250ml/8oz unpreserved	Α	NA		3.4	Υ	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2525183-01H	Glass 250ml/8oz unpreserved	Α	NA		3.4	Υ	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2525183-01X	Vial MeOH preserved split	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-01Y	Vial Water preserved split	Α	NA		3.4	Υ	Absent	25-APR-25 04:10	NYTCL-8260HLW(14)
L2525183-01Z	Vial Water preserved split	Α	NA		3.4	Υ	Absent	25-APR-25 04:10	NYTCL-8260HLW(14)
L2525183-02A	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-02B	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-02C	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)



Lab Number: L2525183

Report Date: 05/06/25

Container Information Final Temp Initial Frozen pН deg C Pres Seal Date/Time Container ID Container Type Cooler pH Analysis(\*) L2525183-02D Plastic 2oz unpreserved for TS NA TS(7) 3.4 Absent L2525183-02E Metals Only-Glass 60mL/2oz unpreserved NA 3.4 Absent BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180), CR-TI(180), TL-TI(180), AL-TI(180),NI-TI(180),CU-TI(180),PB-TI(180), SE-TI(180), ZN-TI(180), SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180) L2525183-02F Absent Metals Only-Glass 60mL/2oz unpreserved NA 3.4 BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180), CR-TI(180), TL-TI(180), AL-TI(180), NI-TI(180), CU-TI(180), PB-TI(180), SE-TI(180), ZN-TI(180), SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180) L2525183-02G Glass 250ml/8oz unpreserved Α NA 3.4 Υ Absent NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365) L2525183-02H Glass 250ml/8oz unpreserved Α NA 3.4 Υ Absent NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365) L2525183-02X Vial MeOH preserved split Α NA 3.4 Υ Absent NYTCL-8260HLW(14) L2525183-02Y Vial Water preserved split Α NA 3.4 Υ Absent 25-APR-25 04:10 NYTCL-8260HLW(14) L2525183-02Z Vial Water preserved split Α 3.4 Υ 25-APR-25 04:10 NA Absent NYTCL-8260HLW(14) L2525183-03A 5 gram Encore Sampler Α NA 3.4 Υ Absent NYTCL-8260HLW(14) L2525183-03B 5 gram Encore Sampler NA 3.4 Υ Absent NYTCL-8260HLW(14) L2525183-03C 5 gram Encore Sampler Α NA 3.4 Υ Absent NYTCL-8260HLW(14) L2525183-03D Plastic 2oz unpreserved for TS Α NA 3.4 Υ Absent TS(7) L2525183-03E Metals Only-Glass 60mL/2oz unpreserved 3.4 Α NA Absent BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180), CR-TI(180), AL-TI(180), NI-TI(180),TL-TI(180),SB-TI(180),SE-TI(180), PB-TI(180), ZN-TI(180), CU-



TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CA-TI(180),K-TI(180),CD-

TI(180),NA-TI(180)

Project Name:

Project Number: 13968

13968

*Lab Number:* L2525183

**Report Date:** 05/06/25

*Project Name:* 13968*Project Number:* 13968

Container Information				Initial	Final	Temp			Frozen	
	Container ID	Container Type	Cooler	pН	pН	•	Pres	Seal	Date/Time	Analysis(*)
	L2525183-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Υ	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),CN-TI(180),CU-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
	L2525183-03G	Glass 250ml/8oz unpreserved	Α	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
	L2525183-03H	Glass 250ml/8oz unpreserved	Α	NA		3.4	Υ	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
	L2525183-03X	Vial MeOH preserved split	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
	L2525183-03Y	Vial Water preserved split	Α	NA		3.4	Υ	Absent	25-APR-25 04:10	NYTCL-8260HLW(14)
	L2525183-03Z	Vial Water preserved split	Α	NA		3.4	Υ	Absent	25-APR-25 04:10	NYTCL-8260HLW(14)
	L2525183-04A	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
	L2525183-04B	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
	L2525183-04C	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
	L2525183-04D	Plastic 2oz unpreserved for TS	Α	NA		3.4	Υ	Absent		TS(7)
	L2525183-04E	Glass 120ml/4oz unpreserved	Α	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG- TI(180),TL-TI(180),CR-TI(180),AL- TI(180),NI-TI(180),PB-TI(180),SE- TI(180),ZN-TI(180),SB-TI(180),CU- TI(180),CO-TI(180),V-TI(180),HG- T(28),MG-TI(180),MN-TI(180),FE- TI(180),K-TI(180),CD-TI(180),CA- TI(180),NA-TI(180)
	L2525183-04G	Glass 250ml/8oz unpreserved	Α	NA		3.4	Υ	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
	L2525183-04H	Glass 250ml/8oz unpreserved	Α	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
	L2525183-04X	Vial MeOH preserved split	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
	L2525183-04Y	Vial Water preserved split	Α	NA		3.4	Υ	Absent	25-APR-25 04:10	NYTCL-8260HLW(14)
	L2525183-04Z	Vial Water preserved split	Α	NA		3.4	Υ	Absent	25-APR-25 04:10	NYTCL-8260HLW(14)
	L2525183-05A	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
	L2525183-05B	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
	L2525183-05C	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)



**Lab Number:** L2525183

Report Date: 05/06/25

**Project Name:** 13968 **Project Number:** 13968

Container Info		Initial	Final	Temp			Frozen		
Container ID	Container Type	Cooler		рН	deg C	Pres	Seal	Date/Time	Analysis(*)
L2525183-05D	Plastic 2oz unpreserved for TS	Α	NA		3.4	Υ	Absent		TS(7)
L2525183-05E	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG- TI(180),NI-TI(180),CR-TI(180),AL- TI(180),TL-TI(180),SB-TI(180),CU- TI(180),PB-TI(180),ZN-TI(180),SE- TI(180),CO-TI(180),V-TI(180),FE- TI(180),HG-T(28),MN-TI(180),MG- TI(180),CA-TI(180),NA-TI(180),CD- TI(180),K-TI(180)
L2525183-05G	Glass 250ml/8oz unpreserved	Α	NA		3.4	Υ	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2525183-05H	Glass 250ml/8oz unpreserved	Α	NA		3.4	Υ	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2525183-05X	Vial MeOH preserved split	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-05Y	Vial Water preserved split	Α	NA		3.4	Υ	Absent	25-APR-25 04:10	NYTCL-8260HLW(14)
L2525183-05Z	Vial Water preserved split	Α	NA		3.4	Υ	Absent	25-APR-25 04:10	NYTCL-8260HLW(14)
L2525183-06A	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-06B	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-06C	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-06D	Plastic 2oz unpreserved for TS	Α	NA		3.4	Υ	Absent		TS(7)
L2525183-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),HG-T(28),FE-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2525183-06F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),HG-T(28),FE-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2525183-06G	Glass 250ml/8oz unpreserved	Α	NA		3.4	Υ	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2525183-06H	Glass 250ml/8oz unpreserved	Α	NA		3.4	Υ	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)



**Lab Number:** L2525183

Report Date: 05/06/25

**Project Name:** 13968 **Project Number:** 13968

Container Info	ormation		Initial	Final	Temp			Frozen	
Container ID	Container Type	Cooler	рН	рН	•	Pres	Seal	Date/Time	Analysis(*)
L2525183-06X	Vial MeOH preserved split	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-06Y	Vial Water preserved split	Α	NA		3.4	Υ	Absent	25-APR-25 04:10	NYTCL-8260HLW(14)
L2525183-06Z	Vial Water preserved split	Α	NA		3.4	Υ	Absent	25-APR-25 04:10	NYTCL-8260HLW(14)
L2525183-07A	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-07B	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-07C	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-07D	Plastic 2oz unpreserved for TS	Α	NA		3.4	Υ	Absent		TS(7)
L2525183-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2525183-07F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2525183-07G	Glass 250ml/8oz unpreserved	Α	NA		3.4	Υ	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2525183-07H	Glass 250ml/8oz unpreserved	Α	NA		3.4	Υ	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2525183-07X	Vial MeOH preserved split	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-07Y	Vial Water preserved split	Α	NA		3.4	Υ	Absent	25-APR-25 04:10	NYTCL-8260HLW(14)
L2525183-07Z	Vial Water preserved split	Α	NA		3.4	Υ	Absent	25-APR-25 04:10	NYTCL-8260HLW(14)
L2525183-08A	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-08B	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-08C	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-08D	Plastic 2oz unpreserved for TS	Α	NA		3.4	Υ	Absent		TS(7)



Lab Number: L2525183

Report Date: 05/06/25

Container Info	ormation		Initial	Final	Temp			Frozen	
Container ID	Container Type	Cooler	рН	рН	deg C	Pres	Seal	Date/Time	Analysis(*)
L2525183-08E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2525183-08F	Metals Only-Glass 60mL/2oz unpreserved	А	NA		3.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2525183-08G	Glass 250ml/8oz unpreserved	Α	NA		3.4	Υ	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2525183-08H	Glass 250ml/8oz unpreserved	Α	NA		3.4	Υ	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2525183-08X	Vial MeOH preserved split	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-08Y	Vial Water preserved split	Α	NA		3.4	Υ	Absent	25-APR-25 04:10	NYTCL-8260HLW(14)
L2525183-08Z	Vial Water preserved split	Α	NA		3.4	Υ	Absent	25-APR-25 04:10	NYTCL-8260HLW(14)
L2525183-09A	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-09B	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-09C	5 gram Encore Sampler	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-09D	Glass 60mL/2oz unpreserved	Α	NA		3.4	Υ	Absent		TS(7)
L2525183-09E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)



Project Name:

Project Number: 13968

13968

Serial\_No:05062517:30

Lab Number: L2525183

Report Date: 05/06/25

**Project Name:** 13968 **Project Number:** 13968

Container Information			Initial	Final	Temp			Frozen	
Container ID	Container Type	Cooler	pН	рН	deg C	Pres	Seal	Date/Time	Analysis(*)
L2525183-09F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),CB-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2525183-09G	Glass 250ml/8oz unpreserved	Α	NA		3.4	Υ	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2525183-09H	Glass 250ml/8oz unpreserved	Α	NA		3.4	Υ	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2525183-09X	Vial MeOH preserved split	Α	NA		3.4	Υ	Absent		NYTCL-8260HLW(14)
L2525183-09Y	Vial Water preserved split	Α	NA		3.4	Υ	Absent	25-APR-25 04:10	NYTCL-8260HLW(14)
L2525183-09Z	Vial Water preserved split	Α	NA		3.4	Υ	Absent	25-APR-25 04:10	NYTCL-8260HLW(14)



#### **GLOSSARY**

#### **Acronyms**

**EDL** 

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.)

 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



#### **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, Benza(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.
- 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).
- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- 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.
- 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



#### **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.
- 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.)

Report Format: DU Report with 'J' Qualifiers



#### **REFERENCES**

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.



Serial\_No:05062517:30

**Pace Analytical Services LLC** 

Facility: Northeast

Department: Quality Assurance

Title: Certificate/Approval Program Summary

ID No.:**17873** Revision 27

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Published Date: 01/24/2025

# **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: lodomethane (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,

 ${\sf EPA~180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B}$ 

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 II, 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

Document Type: Form Pre-Qualtrax Document ID: 08-113

Serial\_No:05062517:30

**Pace Analytical Services LLC** 

Facility: Northeast

Department: Quality Assurance

Title: Certificate/Approval Program Summary

ID No.:17873 Revision 27

Published Date: 01/24/2025

Page 2 of 2

#### **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.

Document Type: Form

Pre-Qualtrax Document ID: 08-113 Page 172 of 173

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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: 1396 Project Location: 34	y State Stre	et 055.	nna . N	Y	Deliverables ASP-A	X A	SP-B QuIS (4 File)	Same as Client Info	
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F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> k/E = Zn Ao/NaOH O = Other	C = Cube O = Other E = Encore D = BOD Bottle	Relinquishe Kyle P. Holin		Date 0412412 4/24125	- Philippi		Received By:	DOM 4 1	Date/Time 2425 1040 25 1500 16:41	TO BE BOUND BY ALPH TERMS & CONDITIONS.	ES HA'S
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# ANALYTICAL REPORT

Lab Number: L2525476

Client: Soils Engineering Services, Inc.

959 Route 46E

Parsippany, NJ 07054

ATTN: Fuad Duhan Phone: (973) 808-9050

Project Name: 34 STATE STREET

Project Number: 13968 Report Date: 05/08/25

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).



**Project Name:** 34 STATE STREET

**Project Number:** 13968

 Lab Number:
 L2525476

 Report Date:
 05/08/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2525476-01	EB-10 (4.5-5.0')	SOIL	34 STATE STREET, OSSINING, NY	04/24/25 10:20	04/24/25
L2525476-02	EB-11 (6.5-7.0')	SOIL	34 STATE STREET, OSSINING, NY	04/24/25 10:35	04/24/25
L2525476-03	EB-12 (4.5-5.0')	SOIL	34 STATE STREET, OSSINING, NY	04/24/25 10:50	04/24/25
L2525476-04	EB-13 (2.5-3.0')	SOIL	34 STATE STREET, OSSINING, NY	04/24/25 11:10	04/24/25
L2525476-05	EB-14 (2.5-3.0')	SOIL	34 STATE STREET, OSSINING, NY	04/24/25 11:20	04/24/25
L2525476-06	EB-15 (4.5-5.0')	SOIL	34 STATE STREET, OSSINING, NY	04/24/25 11:30	04/24/25
L2525476-07	EB-16 (0.5-1.0')	SOIL	34 STATE STREET, OSSINING, NY	04/24/25 11:40	04/24/25
L2525476-08	EB-17 (4.5-5.0')	SOIL	34 STATE STREET, OSSINING, NY	04/24/25 12:10	04/24/25
L2525476-09	EB-18 (4.5-5.0')	SOIL	34 STATE STREET, OSSINING, NY	04/24/25 12:00	04/24/25
L2525476-10	EB-19 (2.5-3.0')	SOIL	34 STATE STREET, OSSINING, NY	04/24/25 12:20	04/24/25



L2525476

Lab Number:

Project Name: 34 STATE STREET

Project Number: 13968 Report Date: 05/08/25

## **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.

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



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

# **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

L2525476-02: The collection date and time on the chain of custody was 24-APR-25 10:40; however, the collection date/time on the container label was 24-APR-25 10:35. At the client's request, the collection date/time is reported as 24-APR-25 10:35.

# Volatile Organics

L2525476-03: The internal standard (IS) responses for fluorobenzene (7%), chlorobenzene-d5 (9%), and 1,4-dichlorobenzene-d4 (11%) and the surrogate recoveries for 1,2-dichloroethane-d4 (148%) and dibromofluoromethane (152%) were outside the acceptance criteria; however, re-analysis achieved the following results: fluorobenzene (36%), chlorobenzene-d5 (40%), and 1,4-dichlorobenzene-d4 (45%) and 1,2-dichloroethane-d4 (132%). The results of both analyses are reported; however, since the IS response was below method criteria, all associated compounds and surrogate recoveries are considered to have a potentially high bias.

#### Semivolatile Organics

L2525476-10D: The sample has elevated detection limits due to the dilution required by the sample matrix.

#### **Total Metals**

L2525476-01 through -10: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

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.

Syfani Morrissey-Tiffani Morrissey

Authorized Signature:

Title: Technical Director/Representative

Pace

Date: 05/08/25

# **ORGANICS**



# **VOLATILES**



L2525476

05/08/25

**Project Name:** 34 STATE STREET

L2525476-01

EB-10 (4.5-5.0')

34 STATE STREET, OSSINING, NY

Project Number: 13968

**SAMPLE RESULTS** 

Date Collected: 04/24/25 10:20

Lab Number:

Report Date:

Date Received: 04/24/25
Field Prep: Not Specified

Sample Depth:

Sample Location:

Lab ID:

Client ID:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/05/25 21:59

Analyst: AJK Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low -	Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1	
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1	
Chloroform	ND		ug/kg	1.6	0.15	1	
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1	
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1	
Dibromochloromethane	ND		ug/kg	1.1	0.15	1	
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1	
Tetrachloroethene	ND		ug/kg	0.54	0.21	1	
Chlorobenzene	ND		ug/kg	0.54	0.14	1	
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1	
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1	
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1	
Bromodichloromethane	ND		ug/kg	0.54	0.12	1	
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1	
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1	
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1	
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1	
Bromoform	ND		ug/kg	4.4	0.27	1	
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1	
Benzene	ND		ug/kg	0.54	0.18	1	
Toluene	ND		ug/kg	1.1	0.59	1	
Ethylbenzene	ND		ug/kg	1.1	0.15	1	
Chloromethane	ND		ug/kg	4.4	1.0	1	
Bromomethane	ND		ug/kg	2.2	0.63	1	
Vinyl chloride	ND		ug/kg	1.1	0.36	1	
Chloroethane	ND		ug/kg	2.2	0.49	1	
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1	
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1	



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-01 Date Collected: 04/24/25 10:20

Client ID: EB-10 (4.5-5.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Volatile Organics by EPA 5035 Low - Westberrichloroethene 1,2-Dichlorobenzene	ND ND ND	ug/kg	0.54		
	ND	ug/kg	0.54		
	ND	ug/kg		0.15	4
r,z-Dichlorobenzene			0.54	0.15	1
1.2 Diablarahanzana		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND	ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND	ug/kg	2.2	0.22	1
o/m-Xylene	ND ND	ug/kg	2.2	0.61	1
o-Xylene	ND ND	ug/kg	1.1	0.32	1
Xylenes, Total		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND ND	ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total		ug/kg	1.1	0.15	1
Dibromomethane	ND	ug/kg	2.2	0.26	1
Styrene	ND	ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND	ug/kg	11	1.0	1
Acetone	ND	ug/kg	11	5.2	1
Carbon disulfide	ND	ug/kg	11	5.0	1
2-Butanone	ND	ug/kg	11	2.4	1
Vinyl acetate	ND	ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND	ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND	ug/kg	2.2	0.14	1
2-Hexanone	ND	ug/kg	11	1.3	1
Bromochloromethane	ND	ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND	ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND	ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND	ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND	ug/kg	0.54	0.14	1
Bromobenzene	ND	ug/kg	2.2	0.16	1
n-Butylbenzene	ND	ug/kg	1.1	0.18	1
sec-Butylbenzene	ND	ug/kg	1.1	0.16	1
ert-Butylbenzene	ND	ug/kg	2.2	0.13	1
o-Chlorotoluene	ND	ug/kg	2.2	0.21	1
o-Chlorotoluene	ND	ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND	ug/kg	4.4	0.18	1
sopropylbenzene	ND	ug/kg	1.1	0.12	1
o-Isopropyltoluene	ND	ug/kg	1.1	0.12	1
Naphthalene	ND	ug/kg	4.4	0.71	1
Acrylonitrile	ND	ug/kg	4.4	1.2	1



**Project Name:** 34 STATE STREET Lab Number: L2525476

**Project Number:** 13968 **Report Date:** 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-01 Date Collected: 04/24/25 10:20

Date Received: Client ID: 04/24/25 EB-10 (4.5-5.0')

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

No Tentatively Identified Compounds

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low - Westb	orough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1	
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1	
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1	
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1	
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1	
1,4-Dioxane	ND		ug/kg	87	38.	1	
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1	
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1	
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1	
Ethyl ether	ND		ug/kg	2.2	0.37	1	
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1	

Tentatively Identified Compounds		

ND

Acceptance Surrogate % Recovery Qualifier Criteria 1,2-Dichloroethane-d4 98 70-130 Toluene-d8 87 70-130 4-Bromofluorobenzene 101 70-130 Dibromofluoromethane 70-130 109

ug/kg



1

**Project Name:** 34 STATE STREET

**Project Number:** 13968

**SAMPLE RESULTS** 

Report Date: 05/08/25

Lab ID: L2525476-02 Client ID: EB-11 (6.5-7.0')

Sample Location: 34 STATE STREET, OSSINING, NY Date Received: Field Prep: Not Specified

Lab Number:

Date Collected:

04/24/25 10:35 04/24/25

L2525476

Sample Depth:

Matrix: Soil Analytical Method: 1,8260D Analytical Date: 05/07/25 12:35

Analyst: JIC 88% Percent Solids:

1,1-Dichloroethane         ND         ug/kg         1.0         0.15         1           Chloroform         ND         ug/kg         1.5         0.14         1           Carbon tetrachloride         ND         ug/kg         1.0         0.23         1           1,2-Dichloropropane         ND         ug/kg         1.0         0.13         1           Dibromochloromethane         ND         ug/kg         1.0         0.27         1           1,1,2-Trichloroethane         ND         ug/kg         0.51         0.20         1           Tetrachloroethane         ND         ug/kg         0.51         0.20         1           Chlorobenzene         ND         ug/kg         0.51         0.20         1           Trichlorofuluoromethane         ND         ug/kg         0.51         0.13         1           Trichlorofuluoromethane         ND         ug/kg         0.51         0.13         1           Trichlorofuluoromethane         ND         ug/kg         0.51         0.17         1           Bromodichloromethane         ND         ug/kg         0.51         0.17         1           Bromodichloromethane         ND         ug/kg         0.51	Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,1-Dichloroethane         ND         ug/kg         1.0         0.15         1           Chloroform         ND         ug/kg         1.5         0.14         1           Carbon tetrachloride         ND         ug/kg         1.0         0.23         1           1,2-Dichloropropane         ND         ug/kg         1.0         0.13         1           Dibromochloromethane         ND         ug/kg         1.0         0.27         1           1,1,2-Trichloroethane         ND         ug/kg         0.51         0.20         1           Tetrachloroethane         ND         ug/kg         0.51         0.20         1           Chlorobenzene         ND         ug/kg         0.51         0.20         1           Trichlorofuloromethane         ND         ug/kg         0.51         0.13         1           Trichloroethane         ND         ug/kg         0.51         0.13         1           1,2-Dichloroethane         ND         ug/kg         0.51         0.13         1           1,1-1-Trichloroethane         ND         ug/kg         0.51         0.17         1           Bromodichloromethane         ND         ug/kg         0.51	Volatile Organics by EPA 5035 Low -	Westborough Lab					
Chloroform         ND         ug/kg         1.5         0.14         1           Carbon tetrachloride         ND         ug/kg         1.0         0.23         1           1,2-Dichloropropane         ND         ug/kg         1.0         0.13         1           Dibromochloromethane         ND         ug/kg         1.0         0.14         1           1,1,2-Trichloroethane         ND         ug/kg         1.0         0.27         1           Tetrachloroethane         ND         ug/kg         0.51         0.20         1           Chlorobenzene         ND         ug/kg         0.51         0.20         1           Trichlorofluoromethane         ND         ug/kg         0.51         0.13         1           Trichloroethane         ND         ug/kg         4.1         0.70         1           1,2-Dichloroprothane         ND         ug/kg         0.51         0.17         1           Bromodichloromethane         ND         ug/kg         0.51         0.17         1           Bromodichloromethane         ND         ug/kg         0.51         0.11         1           trans-1,3-Dichloropropene         ND         ug/kg         0.51	Methylene chloride	ND		ug/kg	5.1	2.3	1
Carbon tetrachloride         ND         ug/kg         1.0         0.23         1           1,2-Dichloropropane         ND         ug/kg         1.0         0.13         1           Dibromochloromethane         ND         ug/kg         1.0         0.14         1           1,1,2-Trichloroethane         ND         ug/kg         1.0         0.27         1           Tetrachloroethane         ND         ug/kg         0.51         0.20         1           Chlorobenzene         ND         ug/kg         0.51         0.13         1           Trichlorothane         ND         ug/kg         0.51         0.13         1           1,2-Dichloroethane         ND         ug/kg         1.0         0.26         1           1,1,1-Trichloroethane         ND         ug/kg         0.51         0.17         1           Bromodichloromethane         ND         ug/kg         0.51         0.17         1           Bromodichloropropene         ND         ug/kg         0.51         0.16         1           trans-1,3-Dichloropropene         ND         ug/kg         0.51         0.16         1           trans-1,3-Dichloropropene         ND         ug/kg <t< td=""><td>1,1-Dichloroethane</td><td>ND</td><td></td><td>ug/kg</td><td>1.0</td><td>0.15</td><td>1</td></t<>	1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,2-Dichloropropane         ND         ug/kg         1.0         0.13         1           Dibromochloromethane         ND         ug/kg         1.0         0.14         1           1,1,2-Trichloroethane         ND         ug/kg         1.0         0.27         1           Tetrachloroethane         ND         ug/kg         0.51         0.20         1           Chlorobenzene         ND         ug/kg         0.51         0.13         1           Trichlorothane         ND         ug/kg         0.51         0.13         1           Trichlorothane         ND         ug/kg         0.51         0.13         1           1,2-Dichlorothane         ND         ug/kg         1.0         0.26         1           1,1,1-Trichloroethane         ND         ug/kg         0.51         0.17         1           Bromodichloromethane         ND         ug/kg         0.51         0.11         1           trans-1,3-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,3-Dichloropropene, Total         ND         ug/kg         0.51         0.16         1           1,1,2,2-Tetrachloroethane         ND         ug/kg <t< td=""><td>Chloroform</td><td>ND</td><td></td><td>ug/kg</td><td>1.5</td><td>0.14</td><td>1</td></t<>	Chloroform	ND		ug/kg	1.5	0.14	1
Dibromochloromethane         ND         ug/kg         1.0         0.14         1           1,1,2-Trichloroethane         ND         ug/kg         1.0         0.27         1           Tetrachloroethane         ND         ug/kg         0.51         0.20         1           Chlorobenzene         ND         ug/kg         0.51         0.13         1           Trichlorofluoromethane         ND         ug/kg         4.1         0.70         1           1,2-Dichloroethane         ND         ug/kg         1.0         0.26         1           1,1,1-Trichloroethane         ND         ug/kg         0.51         0.17         1           Bromodichloromethane         ND         ug/kg         0.51         0.17         1           Bromodichloropropene         ND         ug/kg         0.51         0.11         1           trans-1,3-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,3-Dichloropropene, Total         ND         ug/kg         0.51         0.16         1           1,1-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,1,1-2,2-Tetrachloroethane         ND         ug/k	Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,1,2-Trichloroethane         ND         ug/kg         1.0         0.27         1           Tetrachloroethene         ND         ug/kg         0.51         0.20         1           Chlorobenzene         ND         ug/kg         0.51         0.13         1           Trichlorofluoromethane         ND         ug/kg         4.1         0.70         1           1,2-Dichloroethane         ND         ug/kg         1.0         0.26         1           1,1,1-Trichloroethane         ND         ug/kg         0.51         0.17         1           Bromodichloromethane         ND         ug/kg         0.51         0.17         1           Bromodichloropropene         ND         ug/kg         0.51         0.11         1           trans-1,3-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,3-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,1-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,1,2,2-Tetrachloropropene         ND         ug/kg         0.51         0.16         1           Benzene         ND         ug/kg         0	1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Tetrachloroethene         ND         ug/kg         0.51         0.20         1           Chlorobenzene         ND         ug/kg         0.51         0.13         1           Trichlorofluoromethane         ND         ug/kg         4.1         0.70         1           1,2-Dichloroethane         ND         ug/kg         1.0         0.26         1           1,1,1-Trichloroethane         ND         ug/kg         0.51         0.17         1           Bromodichloromethane         ND         ug/kg         0.51         0.11         1           Bromodichloropropene         ND         ug/kg         0.51         0.11         1           trans-1,3-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,3-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,3-Dichloropropene, Total         ND         ug/kg         0.51         0.16         1           1,1-Dichloropropene         ND         ug/kg         0.51         0.16         1           Bromoform         ND         ug/kg         0.51         0.16         1           1,1,2,2-Tetrachloroethane         ND         ug/kg	Dibromochloromethane	ND		ug/kg	1.0	0.14	1
Chlorobenzene         ND         ug/kg         0.51         0.13         1           Trichlorofluoromethane         ND         ug/kg         4.1         0.70         1           1,2-Dichloroethane         ND         ug/kg         1.0         0.26         1           1,1,1-Trichloroethane         ND         ug/kg         0.51         0.17         1           Bromodichloromethane         ND         ug/kg         0.51         0.11         1           Bromodichloropropene         ND         ug/kg         0.51         0.11         1           trans-1,3-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,3-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,1-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,1-Dichloropropene         ND         ug/kg         0.51         0.16         1           Bromoform         ND         ug/kg         0.51         0.16         1           1,1,2,2-Tetrachloroethane         ND         ug/kg         0.51         0.17         1           Benzene         ND         ug/kg         1.0	1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Trichlorofluoromethane         ND         ug/kg         4.1         0.70         1           1,2-Dichloroethane         ND         ug/kg         1.0         0.26         1           1,1,1-Trichloroethane         ND         ug/kg         0.51         0.17         1           Bromodichloromethane         ND         ug/kg         0.51         0.11         1           trans-1,3-Dichloropropene         ND         ug/kg         1.0         0.28         1           trans-1,3-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,3-Dichloropropene, Total         ND         ug/kg         0.51         0.16         1           1,1-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,1-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,1-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,1-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,1-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,1-Dichloropropene         ND         u	Tetrachloroethene	ND		ug/kg	0.51	0.20	1
1,2-Dichloroethane         ND         ug/kg         1.0         0.26         1           1,1,1-Trichloroethane         ND         ug/kg         0.51         0.17         1           Bromodichloromethane         ND         ug/kg         0.51         0.11         1           trans-1,3-Dichloropropene         ND         ug/kg         1.0         0.28         1           cis-1,3-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,3-Dichloropropene, Total         ND         ug/kg         0.51         0.16         1           1,1-Dichloropropene, Total         ND         ug/kg         0.51         0.16         1           1,1-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,1-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,1-Dichloropropene, Total         ND         ug/kg         0.51         0.16         1           1,1-Pichloropropene         ND         ug/kg         0.51         0.16         1           1,1-Dichloropropene         ND         ug/kg         0.51         0.17         1           1,1-Dichloropropene         ND	Chlorobenzene	ND		ug/kg	0.51	0.13	1
1,1,1-Trichloroethane	Trichlorofluoromethane	ND		ug/kg	4.1	0.70	1
Bromodichloromethane         ND         ug/kg         0.51         0.11         1           trans-1,3-Dichloropropene         ND         ug/kg         1.0         0.28         1           cis-1,3-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,3-Dichloropropene, Total         ND         ug/kg         0.51         0.16         1           1,1-Dichloropropene         ND         ug/kg         0.51         0.16         1           Bromoform         ND         ug/kg         4.1         0.25         1           1,1,2,2-Tetrachloroethane         ND         ug/kg         0.51         0.17         1           Benzene         ND         ug/kg         0.51         0.17         1           Toluene         ND         ug/kg         1.0         0.55         1           Ethylbenzene         ND         ug/kg         1.0         0.14         1           Chloromethane         ND         ug/kg         2.0         0.59         1           Bromomethane         ND         ug/kg         1.0         0.34         1           Vinyl chloride         ND         ug/kg         2.0         0.46         <	1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
trans-1,3-Dichloropropene         ND         ug/kg         1.0         0.28         1           cis-1,3-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,3-Dichloropropene, Total         ND         ug/kg         0.51         0.16         1           1,1-Dichloropropene         ND         ug/kg         0.51         0.16         1           Bromoform         ND         ug/kg         4.1         0.25         1           1,1,2,2-Tetrachloroethane         ND         ug/kg         0.51         0.17         1           Benzene         ND         ug/kg         0.51         0.17         1           Toluene         ND         ug/kg         1.0         0.55         1           Ethylbenzene         ND         ug/kg         1.0         0.14         1           Chloromethane         ND         ug/kg         4.1         0.95         1           Bromomethane         ND         ug/kg         2.0         0.59         1           Vinyl chloride         ND         ug/kg         2.0         0.46         1           Chloroethane         ND         ug/kg         2.0         0.46         1	1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
cis-1,3-Dichloropropene         ND         ug/kg         0.51         0.16         1           1,3-Dichloropropene, Total         ND         ug/kg         0.51         0.16         1           1,1-Dichloropropene         ND         ug/kg         0.51         0.16         1           Bromoform         ND         ug/kg         0.51         0.16         1           1,1,2,2-Tetrachloroethane         ND         ug/kg         0.51         0.17         1           Benzene         ND         ug/kg         0.51         0.17         1           Toluene         ND         ug/kg         1.0         0.55         1           Ethylbenzene         ND         ug/kg         1.0         0.14         1           Chloromethane         ND         ug/kg         4.1         0.95         1           Bromomethane         ND         ug/kg         2.0         0.59         1           Vinyl chloride         ND         ug/kg         1.0         0.34         1           Chloroethane         ND         ug/kg         2.0         0.46         1           1,1-Dichloroethene         ND         ug/kg         1.0         0.24         1     <	Bromodichloromethane	ND		ug/kg	0.51	0.11	1
1,3-Dichloropropene, Total       ND       ug/kg       0.51       0.16       1         1,1-Dichloropropene       ND       ug/kg       0.51       0.16       1         Bromoform       ND       ug/kg       4.1       0.25       1         1,1,2,2-Tetrachloroethane       ND       ug/kg       0.51       0.17       1         Benzene       ND       ug/kg       0.51       0.17       1         Toluene       ND       ug/kg       1.0       0.55       1         Ethylbenzene       ND       ug/kg       1.0       0.14       1         Chloromethane       ND       ug/kg       4.1       0.95       1         Bromomethane       ND       ug/kg       2.0       0.59       1         Vinyl chloride       ND       ug/kg       1.0       0.34       1         Chloroethane       ND       ug/kg       2.0       0.46       1         1,1-Dichloroethene       ND       ug/kg       1.0       0.24       1	trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
1,1-Dichloropropene       ND       ug/kg       0.51       0.16       1         Bromoform       ND       ug/kg       4.1       0.25       1         1,1,2,2-Tetrachloroethane       ND       ug/kg       0.51       0.17       1         Benzene       ND       ug/kg       0.51       0.17       1         Toluene       ND       ug/kg       1.0       0.55       1         Ethylbenzene       ND       ug/kg       1.0       0.14       1         Chloromethane       ND       ug/kg       4.1       0.95       1         Bromomethane       ND       ug/kg       2.0       0.59       1         Vinyl chloride       ND       ug/kg       1.0       0.34       1         Chloroethane       ND       ug/kg       2.0       0.46       1         1,1-Dichloroethene       ND       ug/kg       1.0       0.24       1	cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform         ND         ug/kg         4.1         0.25         1           1,1,2,2-Tetrachloroethane         ND         ug/kg         0.51         0.17         1           Benzene         ND         ug/kg         0.51         0.17         1           Toluene         ND         ug/kg         1.0         0.55         1           Ethylbenzene         ND         ug/kg         1.0         0.14         1           Chloromethane         ND         ug/kg         4.1         0.95         1           Bromomethane         ND         ug/kg         2.0         0.59         1           Vinyl chloride         ND         ug/kg         1.0         0.34         1           Chloroethane         ND         ug/kg         2.0         0.46         1           1,1-Dichloroethene         ND         ug/kg         1.0         0.24         1	1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1,2,2-Tetrachloroethane       ND       ug/kg       0.51       0.17       1         Benzene       ND       ug/kg       0.51       0.17       1         Toluene       ND       ug/kg       1.0       0.55       1         Ethylbenzene       ND       ug/kg       1.0       0.14       1         Chloromethane       ND       ug/kg       4.1       0.95       1         Bromomethane       ND       ug/kg       2.0       0.59       1         Vinyl chloride       ND       ug/kg       1.0       0.34       1         Chloroethane       ND       ug/kg       2.0       0.46       1         1,1-Dichloroethene       ND       ug/kg       1.0       0.24       1	1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Benzene         ND         ug/kg         0.51         0.17         1           Toluene         ND         ug/kg         1.0         0.55         1           Ethylbenzene         ND         ug/kg         1.0         0.14         1           Chloromethane         ND         ug/kg         4.1         0.95         1           Bromomethane         ND         ug/kg         2.0         0.59         1           Vinyl chloride         ND         ug/kg         1.0         0.34         1           Chloroethane         ND         ug/kg         2.0         0.46         1           1,1-Dichloroethene         ND         ug/kg         1.0         0.24         1	Bromoform	ND		ug/kg	4.1	0.25	1
Toluene         ND         ug/kg         1.0         0.55         1           Ethylbenzene         ND         ug/kg         1.0         0.14         1           Chloromethane         ND         ug/kg         4.1         0.95         1           Bromomethane         ND         ug/kg         2.0         0.59         1           Vinyl chloride         ND         ug/kg         1.0         0.34         1           Chloroethane         ND         ug/kg         2.0         0.46         1           1,1-Dichloroethene         ND         ug/kg         1.0         0.24         1	1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Ethylbenzene         ND         ug/kg         1.0         0.14         1           Chloromethane         ND         ug/kg         4.1         0.95         1           Bromomethane         ND         ug/kg         2.0         0.59         1           Vinyl chloride         ND         ug/kg         1.0         0.34         1           Chloroethane         ND         ug/kg         2.0         0.46         1           1,1-Dichloroethene         ND         ug/kg         1.0         0.24         1	Benzene	ND		ug/kg	0.51	0.17	1
Chloromethane         ND         ug/kg         4.1         0.95         1           Bromomethane         ND         ug/kg         2.0         0.59         1           Vinyl chloride         ND         ug/kg         1.0         0.34         1           Chloroethane         ND         ug/kg         2.0         0.46         1           1,1-Dichloroethene         ND         ug/kg         1.0         0.24         1	Toluene	ND		ug/kg	1.0	0.55	1
Bromomethane         ND         ug/kg         2.0         0.59         1           Vinyl chloride         ND         ug/kg         1.0         0.34         1           Chloroethane         ND         ug/kg         2.0         0.46         1           1,1-Dichloroethene         ND         ug/kg         1.0         0.24         1	Ethylbenzene	ND		ug/kg	1.0	0.14	1
Vinyl chloride         ND         ug/kg         1.0         0.34         1           Chloroethane         ND         ug/kg         2.0         0.46         1           1,1-Dichloroethene         ND         ug/kg         1.0         0.24         1	Chloromethane	ND		ug/kg	4.1	0.95	1
Chloroethane         ND         ug/kg         2.0         0.46         1           1,1-Dichloroethene         ND         ug/kg         1.0         0.24         1	Bromomethane	ND		ug/kg	2.0	0.59	1
1,1-Dichloroethene ND ug/kg 1.0 0.24 1	Vinyl chloride	ND		ug/kg	1.0	0.34	1
· ·	Chloroethane	ND		ug/kg	2.0	0.46	1
trans-1,2-Dichloroethene ND ug/kg 1.5 0.14 1	1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
	trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-02 Date Collected: 04/24/25 10:35

Client ID: EB-11 (6.5-7.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low	v - Westborough Lab					
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	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	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	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	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.66	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-02 Date Collected: 04/24/25 10:35

Client ID: EB-11 (6.5-7.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low - Westl	oorough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1	
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1	
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1	
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1	
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1	
1,4-Dioxane	ND		ug/kg	81	36.	1	
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1	
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1	
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1	
Ethyl ether	ND		ug/kg	2.0	0.35	1	
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1	

rentatively identified Compounds	
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No Tentatively Identified Compounds ND ug/kg 1

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	96	70-130	
Toluene-d8	85	70-130	
4-Bromofluorobenzene	81	70-130	
Dibromofluoromethane	97	70-130	



L2525476

05/08/25

**Project Name:** 34 STATE STREET

Project Number: 13968

**SAMPLE RESULTS** 

Date Collected: 04/24/25 10:50

Lab ID: L2525476-03

Client ID: EB-12 (4.5-5.0')

Sample Location: 34 STATE STREET, OSSINING, NY

Date Received: 04/24/25
Field Prep: Not Specified

Lab Number:

Report Date:

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/05/25 22:53

Analyst: AJK Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low	- Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.4	1	
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1	
Chloroform	ND		ug/kg	1.6	0.15	1	
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1	
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1	
Dibromochloromethane	ND		ug/kg	1.1	0.15	1	
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1	
Tetrachloroethene	ND		ug/kg	0.54	0.21	1	
Chlorobenzene	ND		ug/kg	0.54	0.14	1	
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1	
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1	
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1	
Bromodichloromethane	ND		ug/kg	0.54	0.12	1	
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1	
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1	
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1	
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1	
Bromoform	ND		ug/kg	4.3	0.26	1	
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1	
Benzene	ND		ug/kg	0.54	0.18	1	
Toluene	ND		ug/kg	1.1	0.58	1	
Ethylbenzene	ND		ug/kg	1.1	0.15	1	
Chloromethane	ND		ug/kg	4.3	1.0	1	
Bromomethane	1.9	J	ug/kg	2.1	0.62	1	
Vinyl chloride	ND		ug/kg	1.1	0.36	1	
Chloroethane	ND		ug/kg	2.1	0.48	1	
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1	
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1	



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-03 Date Collected: 04/24/25 10:50

Client ID: EB-12 (4.5-5.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 I	Low - Westborough Lab					
T: 11	ND		4	0.54	0.45	
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.22	<u> </u>
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	58		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.13	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-03 Date Collected: 04/24/25 10:50

Client ID: EB-12 (4.5-5.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low	- Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1	
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1	
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1	
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.21	1	
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1	
1,4-Dioxane	ND		ug/kg	86	38.	1	
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1	
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1	
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1	
Ethyl ether	ND		ug/kg	2.1	0.36	1	
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1	

Tentatively Identified Compounds				
Total TIC Compounds	2.50	J	ug/kg	1
Unknown	2.50	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	148	Q	70-130
Toluene-d8	84		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	152	Q	70-130



Project Name: 34 STATE STREET

Project Number: 13968

**SAMPLE RESULTS** 

00/00/20

**Report Date:** 05/08/25

Lab ID: L2525476-03 R

Client ID: EB-12 (4.5-5.0')

Sample Location: 34 STATE STREET, OSSINING, NY

Date Received: Field Prep:

Date Collected:

Lab Number:

04/24/25 10:50 04/24/25

Not Specified

L2525476

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/07/25 13:01

Analyst: JIC Percent Solids: 82%

Baranastas	Dooule	Ovelities	Unita	D.I	MDI	Dilution Footon			
Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor			
Volatile Organics by EPA 5035 Low - Westborough Lab									
Methylene chloride	ND		ug/kg	5.5	2.5	1			
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1			
Chloroform	ND		ug/kg	1.6	0.15	1			
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1			
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1			
Dibromochloromethane	ND		ug/kg	1.1	0.15	1			
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1			
Tetrachloroethene	ND		ug/kg	0.55	0.22	1			
Chlorobenzene	ND		ug/kg	0.55	0.14	1			
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1			
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1			
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1			
Bromodichloromethane	ND		ug/kg	0.55	0.12	1			
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1			
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1			
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1			
1,1-Dichloropropene	ND		ug/kg	0.55	0.18	1			
Bromoform	ND		ug/kg	4.4	0.27	1			
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1			
Benzene	ND		ug/kg	0.55	0.18	1			
Toluene	ND		ug/kg	1.1	0.60	1			
Ethylbenzene	ND		ug/kg	1.1	0.16	1			
Chloromethane	ND		ug/kg	4.4	1.0	1			
Bromomethane	ND		ug/kg	2.2	0.64	1			
Vinyl chloride	ND		ug/kg	1.1	0.37	1			
Chloroethane	ND		ug/kg	2.2	0.50	1			
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1			
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1			



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-03 R Date Collected: 04/24/25 10:50

Client ID: EB-12 (4.5-5.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low	- Westborough Lab					
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	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	4.4	0.72	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-03 R Date Collected: 04/24/25 10:50

Client ID: EB-12 (4.5-5.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Tentatively Identified Compounds

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low	v - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1	
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1	
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1	
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1	
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1	
1,4-Dioxane	ND		ug/kg	88	39.	1	
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1	
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1	
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1	
Ethyl ether	ND		ug/kg	2.2	0.38	1	
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1	

No Tentatively Identified Compounds	ND	ug/kg	1

			_
Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	132	Q	70-130
Toluene-d8	79		70-130
4-Bromofluorobenzene	78		70-130
Dibromofluoromethane	108		70-130



04/24/25 11:10

**Project Name:** 34 STATE STREET

**Project Number:** 13968

**SAMPLE RESULTS** 

Lab Number: L2525476

Report Date: 05/08/25

Lab ID: L2525476-04 Date Collected:

Date Received: 04/24/25 Client ID: EB-13 (2.5-3.0') Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Analytical Method: 1,8260D Analytical Date: 05/07/25 12:09

Analyst: JIC 75% Percent Solids:

1,1-Dichloroethane         ND         ug/kg         1,2         0.18         1           Chloroform         ND         ug/kg         1.8         0.17         1           Carbon tetrachloride         ND         ug/kg         1.2         0.28         1           1,2-Dichloropropane         ND         ug/kg         1.2         0.15         1           Dibromochloromethane         ND         ug/kg         1.2         0.33         1           Tetrachloroethane         ND         ug/kg         0.62         0.24         1           Chlorobenzene         ND         ug/kg         0.62         0.16         1           Trichlorothuromethane         ND         ug/kg         0.62         0.16         1           Trichlorothuromethane         ND         ug/kg         4.9         0.86         1           1,2-Dichlorothuromethane         ND         ug/kg         0.62         0.21         1           Bromodichloromethane         ND         ug/kg         0.62         0.21         1           Bromodichloromethane         ND         ug/kg         0.62         0.21         1           Bromodichloromethane         ND         ug/kg         0.62	Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,1-Dichloroethane         ND         ug/kg         1,2         0.18         1           Chloroform         ND         ug/kg         1.8         0.17         1           Carbon tetrachloride         ND         ug/kg         1.2         0.28         1           1,2-Dichloropropane         ND         ug/kg         1.2         0.15         1           Dibromochloromethane         ND         ug/kg         1.2         0.15         1           Dibromochloromethane         ND         ug/kg         1.2         0.33         1           Tetrachloroethane         ND         ug/kg         0.62         0.24         1           Chlorobenzene         ND         ug/kg         0.62         0.16         1           Trichlorofluoromethane         ND         ug/kg         4.9         0.86         1           1,2-Dichloroethane         ND         ug/kg         4.9         0.86         1           1,2-Dichloroethane         ND         ug/kg         0.62         0.13         1           Bromodichloromethane         ND         ug/kg         0.62         0.21         1           Bromodichloromethane         ND         ug/kg         0.62         <	Volatile Organics by EPA 5035 Low	- Westborough Lab					
Chloroform         ND         ug/kg         1.8         0.17         1           Carbon tetrachloride         ND         ug/kg         1.2         0.28         1           1,2-Dichloropropane         ND         ug/kg         1.2         0.15         1           Dibromochloromethane         ND         ug/kg         1.2         0.17         1           1,1,2-Trichloroethane         ND         ug/kg         1.2         0.33         1           Tetrachloroethane         ND         ug/kg         0.62         0.24         1           Chlorobenzene         ND         ug/kg         0.62         0.24         1           Chlorobenzene         ND         ug/kg         0.62         0.16         1           Trichlorofuromethane         ND         ug/kg         4.9         0.86         1           1,2-Dichloroprothane         ND         ug/kg         0.62         0.21         1           Bromodichloromethane         ND         ug/kg         0.62         0.21         1           Bromodichloromethane         ND         ug/kg         0.62         0.13         1           trans-1,3-Dichloropropene         ND         ug/kg         0.62	Methylene chloride	ND		ug/kg	6.2	2.8	1
Carbon tetrachloride         ND         ug/kg         1.2         0.28         1           1,2-Dichloropropane         ND         ug/kg         1.2         0.15         1           Dibromochloromethane         ND         ug/kg         1.2         0.17         1           1,1,2-Trichloroethane         ND         ug/kg         1.2         0.33         1           Tetrachloroethane         ND         ug/kg         0.62         0.24         1           Chlorobenzene         ND         ug/kg         0.62         0.16         1           Trichlorofluoromethane         ND         ug/kg         4.9         0.86         1           1,2-Dichloroethane         ND         ug/kg         1.2         0.32         1           1,2-Dichloroethane         ND         ug/kg         0.62         0.21         1           Bromodichloromethane         ND         ug/kg         0.62         0.13         1           Bromodichloromethane         ND         ug/kg         0.62         0.13         1           Bromodichloropropene         ND         ug/kg         0.62         0.13         1           Litars-1,3-Dichloropropene         ND         ug/kg <t< td=""><td>1,1-Dichloroethane</td><td>ND</td><td></td><td>ug/kg</td><td>1.2</td><td>0.18</td><td>1</td></t<>	1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,2-Dichloropropane   ND   ug/kg   1.2   0.15   1   1   1   1   1   1   1   1   1	Chloroform	ND		ug/kg	1.8	0.17	1
Dibromochloromethane   ND	Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,1,2-Trichloroethane         ND         ug/kg         1.2         0.33         1           Tetrachloroethene         ND         ug/kg         0.62         0.24         1           Chlorobenzene         ND         ug/kg         0.62         0.16         1           Trichloroffluoromethane         ND         ug/kg         4.9         0.86         1           1,2-Dichloroethane         ND         ug/kg         1.2         0.32         1           1,1,1-Trichloroethane         ND         ug/kg         0.62         0.21         1           Bromodichloromethane         ND         ug/kg         0.62         0.13         1           Bromodichloropropene         ND         ug/kg         1.2         0.34         1           trans-1,3-Dichloropropene         ND         ug/kg         0.62         0.19         1           trans-1,3-Dichloropropene         ND         ug/kg         0.62         0.19         1           1,3-Dichloropropene, Total         ND         ug/kg         0.62         0.19         1           1,1-1-Dichloropropene         ND         ug/kg         0.62         0.20         1           Benzene         ND         ug/kg	1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Tetrachloroethene         ND         ug/kg         0.62         0.24         1           Chlorobenzene         ND         ug/kg         0.62         0.16         1           Chlorobenzene         ND         ug/kg         4.9         0.86         1           1,2-Dichloroethane         ND         ug/kg         1.2         0.32         1           1,1,1-Trichloroethane         ND         ug/kg         0.62         0.21         1           Bromodichloromethane         ND         ug/kg         0.62         0.13         1           Bromodichloropropene         ND         ug/kg         0.62         0.13         1           Bromodichloropropene         ND         ug/kg         0.62         0.13         1           trans-1,3-Dichloropropene         ND         ug/kg         0.62         0.19         1           1,3-Dichloropropene, Total         ND         ug/kg         0.62         0.19         1           1,1-Dichloropropene         ND         ug/kg         0.62         0.20         1           Bromoform         ND         ug/kg         0.62         0.20         1           1,1,2,2-Tetrachloroethane         ND         ug/kg         1.	Dibromochloromethane	ND		ug/kg	1.2	0.17	1
Chlorobenzene         ND         ug/kg         0.62         0.16         1           Trichlorofluoromethane         ND         ug/kg         4.9         0.86         1           1,2-Dichloroethane         ND         ug/kg         1.2         0.32         1           1,1,1-Trichloroethane         ND         ug/kg         0.62         0.21         1           Bromodichloromethane         ND         ug/kg         0.62         0.13         1           Bromodichloropropene         ND         ug/kg         0.62         0.13         1           trans-1,3-Dichloropropene         ND         ug/kg         0.62         0.19         1           1,3-Dichloropropene         ND         ug/kg         0.62         0.19         1           1,1-Dichloropropene, Total         ND         ug/kg         0.62         0.19         1           1,1-Dichloropropene         ND         ug/kg         0.62         0.20         1           Bromoform         ND         ug/kg         0.62         0.20         1           Bromoform         ND         ug/kg         0.62         0.20         1           Toluene         ND         ug/kg         1.2 <td< td=""><td>1,1,2-Trichloroethane</td><td>ND</td><td></td><td>ug/kg</td><td>1.2</td><td>0.33</td><td>1</td></td<>	1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Trichlorofluoromethane         ND         ug/kg         4.9         0.86         1           1,2-Dichloroethane         ND         ug/kg         1.2         0.32         1           1,1,1-Trichloroethane         ND         ug/kg         0.62         0.21         1           Bromodichloromethane         ND         ug/kg         0.62         0.13         1           Bromodichloropropene         ND         ug/kg         1.2         0.34         1           Itans-1,3-Dichloropropene         ND         ug/kg         0.62         0.19         1           1,3-Dichloropropene, Total         ND         ug/kg         0.62         0.19         1           1,1-Dichloropropene         ND         ug/kg         0.62         0.19         1           1,1-Dichloropropene         ND         ug/kg         0.62         0.20         1           Bromoform         ND         ug/kg         0.62         0.20         1           1,1,2,2-Tetrachloroethane         ND         ug/kg         0.62         0.20         1           Benzene         ND         ug/kg         1.2         0.67         1           Ethylbenzene         ND         ug/kg         1.2 <td>Tetrachloroethene</td> <td>ND</td> <td></td> <td>ug/kg</td> <td>0.62</td> <td>0.24</td> <td>1</td>	Tetrachloroethene	ND		ug/kg	0.62	0.24	1
1,2-Dichloroethane         ND         ug/kg         1,2         0.32         1           1,1,1-Trichloroethane         ND         ug/kg         0.62         0.21         1           Bromodichloromethane         ND         ug/kg         0.62         0.13         1           Bromodichloropropene         ND         ug/kg         0.62         0.13         1           trans-1,3-Dichloropropene         ND         ug/kg         0.62         0.19         1           1,3-Dichloropropene         ND         ug/kg         0.62         0.19         1           1,1-Dichloropropene, Total         ND         ug/kg         0.62         0.20         1           1,1-Dichloropropene         ND         ug/kg         0.62         0.20         1           Bromoform         ND         ug/kg         0.62         0.20         1           1,1,2,2-Tetrachloroethane         ND         ug/kg         0.62         0.20         1           Benzene         ND         ug/kg         0.62         0.20         1           Toluene         ND         ug/kg         1.2         0.67         1           Ethylbenzene         ND         ug/kg         4.9 <td< td=""><td>Chlorobenzene</td><td>ND</td><td></td><td>ug/kg</td><td>0.62</td><td>0.16</td><td>1</td></td<>	Chlorobenzene	ND		ug/kg	0.62	0.16	1
1,1,1-Trichloroethane	Trichlorofluoromethane	ND		ug/kg	4.9	0.86	1
ND	1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
trans-1,3-Dichloropropene         ND         ug/kg         1.2         0.34         1           cis-1,3-Dichloropropene         ND         ug/kg         0.62         0.19         1           1,3-Dichloropropene, Total         ND         ug/kg         0.62         0.19         1           1,1-Dichloropropene         ND         ug/kg         0.62         0.20         1           Bromoform         ND         ug/kg         4.9         0.30         1           1,1,2,2-Tetrachloroethane         ND         ug/kg         0.62         0.20         1           Benzene         ND         ug/kg         0.62         0.20         1           Toluene         ND         ug/kg         1.2         0.67         1           Ethylbenzene         ND         ug/kg         1.2         0.17         1           Chloromethane         ND         ug/kg         4.9         1.1         1           Bromomethane         ND         ug/kg         2.5         0.72         1           Vinyl chloride         ND         ug/kg         2.5         0.56         1           Chloroethane         ND         ug/kg         2.5         0.56         1	1,1,1-Trichloroethane	ND		ug/kg	0.62	0.21	1
ND	Bromodichloromethane	ND		ug/kg	0.62	0.13	1
1,3-Dichloropropene, Total       ND       ug/kg       0.62       0.19       1         1,1-Dichloropropene       ND       ug/kg       0.62       0.20       1         Bromoform       ND       ug/kg       4.9       0.30       1         1,1,2,2-Tetrachloroethane       ND       ug/kg       0.62       0.20       1         Benzene       ND       ug/kg       0.62       0.20       1         Toluene       ND       ug/kg       1.2       0.67       1         Ethylbenzene       ND       ug/kg       1.2       0.17       1         Chloromethane       ND       ug/kg       4.9       1.1       1         Bromomethane       ND       ug/kg       2.5       0.72       1         Vinyl chloride       ND       ug/kg       1.2       0.41       1         Chloroethane       ND       ug/kg       2.5       0.56       1         1,1-Dichloroethene       ND       ug/kg       1.2       0.29       1	trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1
1,1-Dichloropropene       ND       ug/kg       0.62       0.20       1         Bromoform       ND       ug/kg       4.9       0.30       1         1,1,2,2-Tetrachloroethane       ND       ug/kg       0.62       0.20       1         Benzene       ND       ug/kg       0.62       0.20       1         Toluene       ND       ug/kg       1.2       0.67       1         Ethylbenzene       ND       ug/kg       1.2       0.17       1         Chloromethane       ND       ug/kg       4.9       1.1       1         Bromomethane       ND       ug/kg       2.5       0.72       1         Vinyl chloride       ND       ug/kg       1.2       0.41       1         Chloroethane       ND       ug/kg       2.5       0.56       1         1,1-Dichloroethene       ND       ug/kg       1.2       0.29       1	cis-1,3-Dichloropropene	ND		ug/kg	0.62	0.19	1
Bromoform         ND         ug/kg         4.9         0.30         1           1,1,2,2-Tetrachloroethane         ND         ug/kg         0.62         0.20         1           Benzene         ND         ug/kg         0.62         0.20         1           Toluene         ND         ug/kg         1.2         0.67         1           Ethylbenzene         ND         ug/kg         1.2         0.17         1           Chloromethane         ND         ug/kg         4.9         1.1         1           Bromomethane         ND         ug/kg         2.5         0.72         1           Vinyl chloride         ND         ug/kg         1.2         0.41         1           Chloroethane         ND         ug/kg         2.5         0.56         1           1,1-Dichloroethene         ND         ug/kg         1.2         0.29         1	1,3-Dichloropropene, Total	ND		ug/kg	0.62	0.19	1
1,1,2,2-Tetrachloroethane         ND         ug/kg         0.62         0.20         1           Benzene         ND         ug/kg         0.62         0.20         1           Toluene         ND         ug/kg         1.2         0.67         1           Ethylbenzene         ND         ug/kg         1.2         0.17         1           Chloromethane         ND         ug/kg         4.9         1.1         1           Bromomethane         ND         ug/kg         2.5         0.72         1           Vinyl chloride         ND         ug/kg         1.2         0.41         1           Chloroethane         ND         ug/kg         2.5         0.56         1           1,1-Dichloroethene         ND         ug/kg         1.2         0.29         1	1,1-Dichloropropene	ND		ug/kg	0.62	0.20	1
ND	Bromoform	ND		ug/kg	4.9	0.30	1
Toluene         ND         ug/kg         1.2         0.67         1           Ethylbenzene         ND         ug/kg         1.2         0.17         1           Chloromethane         ND         ug/kg         4.9         1.1         1           Bromomethane         ND         ug/kg         2.5         0.72         1           Vinyl chloride         ND         ug/kg         1.2         0.41         1           Chloroethane         ND         ug/kg         2.5         0.56         1           1,1-Dichloroethene         ND         ug/kg         1.2         0.29         1	1,1,2,2-Tetrachloroethane	ND		ug/kg	0.62	0.20	1
Ethylbenzene         ND         ug/kg         1.2         0.17         1           Chloromethane         ND         ug/kg         4.9         1.1         1           Bromomethane         ND         ug/kg         2.5         0.72         1           Vinyl chloride         ND         ug/kg         1.2         0.41         1           Chloroethane         ND         ug/kg         2.5         0.56         1           1,1-Dichloroethene         ND         ug/kg         1.2         0.29         1	Benzene	ND		ug/kg	0.62	0.20	1
Chloromethane         ND         ug/kg         4.9         1.1         1           Bromomethane         ND         ug/kg         2.5         0.72         1           Vinyl chloride         ND         ug/kg         1.2         0.41         1           Chloroethane         ND         ug/kg         2.5         0.56         1           1,1-Dichloroethene         ND         ug/kg         1.2         0.29         1	Toluene	ND		ug/kg	1.2	0.67	1
Bromomethane         ND         ug/kg         2.5         0.72         1           Vinyl chloride         ND         ug/kg         1.2         0.41         1           Chloroethane         ND         ug/kg         2.5         0.56         1           1,1-Dichloroethene         ND         ug/kg         1.2         0.29         1	Ethylbenzene	ND		ug/kg	1.2	0.17	1
Vinyl chloride         ND         ug/kg         1.2         0.41         1           Chloroethane         ND         ug/kg         2.5         0.56         1           1,1-Dichloroethene         ND         ug/kg         1.2         0.29         1	Chloromethane	ND		ug/kg	4.9	1.1	1
Chloroethane         ND         ug/kg         2.5         0.56         1           1,1-Dichloroethene         ND         ug/kg         1.2         0.29         1	Bromomethane	ND		ug/kg	2.5	0.72	1
1,1-Dichloroethene ND ug/kg 1.2 0.29 1	Vinyl chloride	ND		ug/kg	1.2	0.41	1
• •	Chloroethane	ND		ug/kg	2.5	0.56	1
trans-1,2-Dichloroethene ND ug/kg 1.8 0.17 1	1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
	trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1



**Project Name:** Lab Number: 34 STATE STREET L2525476

**Project Number:** Report Date: 13968 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-04 Date Collected: 04/24/25 11:10

Client ID: Date Received: 04/24/25 EB-13 (2.5-3.0')

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 L	_ow - Westborough Lab					
Trichlanathana	ND			0.00	0.47	4
Trichloroethene	ND		ug/kg	0.62	0.17	1
1,2-Dichlorobenzene	ND ND		ug/kg	2.5	0.18	1
1,3-Dichlorobenzene			ug/kg	2.5		1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.69	1
o-Xylene	ND		ug/kg	1.2	0.36	1
Xylenes, Total	ND		ug/kg	1.2	0.36	<u> </u>
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.5	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.9	1
Carbon disulfide	ND		ug/kg	12	5.6	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	0.16	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.5	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.62	0.16	1
Bromobenzene	ND		ug/kg	2.5	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.21	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.14	1
o-Chlorotoluene	ND		ug/kg	2.5	0.24	1
p-Chlorotoluene	ND		ug/kg	2.5	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.21	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.9	0.80	1
Acrylonitrile	ND		ug/kg	4.9	1.4	1



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-04 Date Collected: 04/24/25 11:10

Client ID: EB-13 (2.5-3.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westb	orough Lab					
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	0.41	1
1,4-Dioxane	ND		ug/kg	99	43.	1
p-Diethylbenzene	ND		ug/kg	2.5	0.22	1
p-Ethyltoluene	ND		ug/kg	2.5	0.47	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.5	0.24	1
Ethyl ether	ND		ug/kg	2.5	0.42	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	1.8	1

Tentatively	Identified	Compounds
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No Tentatively Identified Compounds	ND	ug/kg 1	l

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	96	70-130	
Toluene-d8	85	70-130	
4-Bromofluorobenzene	79	70-130	
Dibromofluoromethane	97	70-130	



L2525476

**Project Name:** 34 STATE STREET

Project Number: 13968

**SAMPLE RESULTS** 

Date Collected: 04/24/25 11:20

**Report Date:** 05/08/25

Lab Number:

Lab ID: L2525476-05

Client ID: EB-14 (2.5-3.0')

Sample Location: 34 STATE STREET, OSSINING, NY

Date Received: 04/24/25
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/05/25 23:48

Analyst: AJK Percent Solids: 83%

		Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westb	orough Lab					
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	ND		ug/kg	0.59	0.20	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1



**Project Name:** Lab Number: 34 STATE STREET L2525476

**Project Number:** Report Date: 13968 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-05 Date Collected: 04/24/25 11:20

Client ID: Date Received: 04/24/25 EB-14 (2.5-3.0') Field Prep: Not Specified

Sample Location: 34 STATE STREET, OSSINING, NY

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Lo	ow - Westborough Lab					
Trichloroethene	ND		ug/kg	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	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	0.24	1
p/m-Xylene	ND		ug/kg	2.3	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.59	0.16	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	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	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.76	1
Acrylonitrile	ND		ug/kg	4.7	1.4	1



**Project Name:** Lab Number: 34 STATE STREET L2525476

**Project Number:** Report Date: 13968 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-05 Date Collected: 04/24/25 11:20

Client ID: Date Received: 04/24/25 EB-14 (2.5-3.0')

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low	- Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1	
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.38	1	
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1	
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.23	1	
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1	
1,4-Dioxane	ND		ug/kg	94	41.	1	
p-Diethylbenzene	ND		ug/kg	2.3	0.21	1	
p-Ethyltoluene	ND		ug/kg	2.3	0.45	1	
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1	
Ethyl ether	ND		ug/kg	2.3	0.40	1	
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1	

	lentatively	Identified	Compounds	
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No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	82	70-130	
4-Bromofluorobenzene	100	70-130	
Dibromofluoromethane	113	70-130	



L2525476

04/24/25 11:30

Not Specified

04/24/25

**Project Name:** 34 STATE STREET

**Project Number:** 13968

**SAMPLE RESULTS** 

Lab Number:

Date Collected:

Date Received:

Field Prep:

Report Date: 05/08/25

Lab ID: L2525476-06

Client ID: EB-15 (4.5-5.0')

Sample Location: 34 STATE STREET, OSSINING, NY

Sample Depth:

Matrix: Soil Analytical Method: 1,8260D Analytical Date: 05/06/25 00:14

Analyst: AJK 68% Percent Solids:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low	- Westborough Lab					
Methylene chloride	ND		ug/kg	8.9	4.1	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.26	1
Chloroform	ND		ug/kg	2.7	0.25	1
Carbon tetrachloride	ND		ug/kg	1.8	0.41	1
1,2-Dichloropropane	ND		ug/kg	1.8	0.22	1
Dibromochloromethane	ND		ug/kg	1.8	0.25	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.48	1
Tetrachloroethene	ND		ug/kg	0.89	0.35	1
Chlorobenzene	ND		ug/kg	0.89	0.23	1
Trichlorofluoromethane	ND		ug/kg	7.1	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.46	1
1,1,1-Trichloroethane	ND		ug/kg	0.89	0.30	1
Bromodichloromethane	ND		ug/kg	0.89	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.49	1
cis-1,3-Dichloropropene	ND		ug/kg	0.89	0.28	1
1,3-Dichloropropene, Total	ND		ug/kg	0.89	0.28	1
1,1-Dichloropropene	ND		ug/kg	0.89	0.28	1
Bromoform	ND		ug/kg	7.1	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.89	0.30	1
Benzene	ND		ug/kg	0.89	0.30	1
Toluene	ND		ug/kg	1.8	0.97	1
Ethylbenzene	ND		ug/kg	1.8	0.25	1
Chloromethane	ND		ug/kg	7.1	1.7	1
Bromomethane	ND		ug/kg	3.6	1.0	1
Vinyl chloride	ND		ug/kg	1.8	0.60	1
Chloroethane	ND		ug/kg	3.6	0.81	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.42	1
trans-1,2-Dichloroethene	ND		ug/kg	2.7	0.24	1



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-06 Date Collected: 04/24/25 11:30

Client ID: EB-15 (4.5-5.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low	- Westborough Lab					
Trichloroethene	ND		ug/kg	0.89	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	3.6	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	3.6	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	3.6	0.30	1
Methyl tert butyl ether	ND		ug/kg	3.6	0.36	1
p/m-Xylene	ND		ug/kg	3.6	1.0	1
o-Xylene	ND		ug/kg	1.8	0.52	1
Xylenes, Total	ND		ug/kg	1.8	0.52	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.31	1
1,2-Dichloroethene, Total	ND		ug/kg	1.8	0.24	1
Dibromomethane	ND		ug/kg	3.6	0.42	1
Styrene	ND		ug/kg	1.8	0.35	1
Dichlorodifluoromethane	ND		ug/kg	18	1.6	1
Acetone	ND		ug/kg	18	8.6	1
Carbon disulfide	ND		ug/kg	18	8.1	1
2-Butanone	ND		ug/kg	18	4.0	1
Vinyl acetate	ND		ug/kg	18	3.8	1
4-Methyl-2-pentanone	ND		ug/kg	18	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	3.6	0.23	1
2-Hexanone	ND		ug/kg	18	2.1	1
Bromochloromethane	ND		ug/kg	3.6	0.37	1
2,2-Dichloropropane	ND		ug/kg	3.6	0.36	1
1,2-Dibromoethane	ND		ug/kg	1.8	0.50	1
1,3-Dichloropropane	ND		ug/kg	3.6	0.30	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.89	0.24	1
Bromobenzene	ND		ug/kg	3.6	0.26	1
n-Butylbenzene	ND		ug/kg	1.8	0.30	1
sec-Butylbenzene	ND		ug/kg	1.8	0.26	1
tert-Butylbenzene	ND		ug/kg	3.6	0.21	1
o-Chlorotoluene	ND		ug/kg	3.6	0.34	1
p-Chlorotoluene	ND		ug/kg	3.6	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	1.8	1
Hexachlorobutadiene	ND		ug/kg	7.1	0.30	1
Isopropylbenzene	ND		ug/kg	1.8	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.8	0.19	1
Naphthalene	ND		ug/kg	7.1	1.2	1
Acrylonitrile	ND		ug/kg	7.1	2.0	1



**Project Name:** 34 STATE STREET Lab Number: L2525476

**Project Number:** 13968 **Report Date:** 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-06 Date Collected: 04/24/25 11:30

Date Received: Client ID: 04/24/25 EB-15 (4.5-5.0')

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

No Tentatively Identified Compounds

Dibromofluoromethane

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westb	orough Lab					
n-Propylbenzene	ND		ug/kg	1.8	0.30	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.6	0.58	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.6	0.48	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.6	0.34	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.6	0.60	1
1,4-Dioxane	ND		ug/kg	140	63.	1
p-Diethylbenzene	ND		ug/kg	3.6	0.32	1
p-Ethyltoluene	ND		ug/kg	3.6	0.69	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.6	0.34	1
Ethyl ether	ND		ug/kg	3.6	0.61	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.9	2.5	1

Tentatively Identified Compounds		

ug/kg Acceptance Surrogate % Recovery Qualifier Criteria 100 1,2-Dichloroethane-d4 70-130 Toluene-d8 83 70-130 4-Bromofluorobenzene 94 70-130

113

ND



1

70-130

L2525476

04/24/25 11:40

**Project Name:** 34 STATE STREET

**Project Number:** 13968

Report Date: 05/08/25

Lab Number:

Date Collected:

**SAMPLE RESULTS** 

Lab ID: L2525476-07

Client ID: EB-16 (0.5-1.0')

Sample Location: 34 STATE STREET, OSSINING, NY Date Received: 04/24/25 Field Prep: Not Specified

Sample Depth:

Matrix: Soil Analytical Method: 1,8260D Analytical Date: 05/06/25 00:41

Analyst: AJK 80% Percent Solids:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low	- Westborough Lab						
Methylene chloride	ND		ug/kg	6.2	2.9	1	
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1	
Chloroform	ND		ug/kg	1.9	0.18	1	
Carbon tetrachloride	ND		ug/kg	1.2	0.29	1	
1,2-Dichloropropane	ND		ug/kg	1.2	0.16	1	
Dibromochloromethane	ND		ug/kg	1.2	0.18	1	
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1	
Tetrachloroethene	ND		ug/kg	0.62	0.24	1	
Chlorobenzene	ND		ug/kg	0.62	0.16	1	
Trichlorofluoromethane	ND		ug/kg	5.0	0.87	1	
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1	
1,1,1-Trichloroethane	ND		ug/kg	0.62	0.21	1	
Bromodichloromethane	ND		ug/kg	0.62	0.14	1	
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1	
cis-1,3-Dichloropropene	ND		ug/kg	0.62	0.20	1	
1,3-Dichloropropene, Total	ND		ug/kg	0.62	0.20	1	
1,1-Dichloropropene	ND		ug/kg	0.62	0.20	1	
Bromoform	ND		ug/kg	5.0	0.31	1	
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.62	0.21	1	
Benzene	ND		ug/kg	0.62	0.21	1	
Toluene	ND		ug/kg	1.2	0.68	1	
Ethylbenzene	ND		ug/kg	1.2	0.18	1	
Chloromethane	ND		ug/kg	5.0	1.2	1	
Bromomethane	ND		ug/kg	2.5	0.73	1	
Vinyl chloride	ND		ug/kg	1.2	0.42	1	
Chloroethane	ND		ug/kg	2.5	0.56	1	
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1	
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1	



**Project Name:** Lab Number: 34 STATE STREET L2525476

**Project Number:** Report Date: 13968 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-07 Date Collected: 04/24/25 11:40

Client ID: Date Received: 04/24/25 EB-16 (0.5-1.0')

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035	Low - Westborough Lab					
Trichloroethene	ND		ug/kg	0.62	0.17	1
1,2-Dichlorobenzene	ND ND		ug/kg ug/kg	2.5	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.10	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.70	1
o-Xylene	ND		ug/kg	1.2	0.76	1
Xylenes, Total	ND		ug/kg	1.2	0.36	 1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.30	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.5	0.30	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	6.0	1
Carbon disulfide	ND		ug/kg	12	5.7	1
2-Butanone	ND		ug/kg	12	2.8	 1
Vinyl acetate	ND		ug/kg	12	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	0.16	 1
2-Hexanone	ND		ug/kg	12	1.5	 1
Bromochloromethane	ND		ug/kg	2.5	0.26	 1
2,2-Dichloropropane	ND		ug/kg	2.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.35	1
1,3-Dichloropropane	ND		ug/kg	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.62	0.16	1
Bromobenzene	ND		ug/kg	2.5	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.21	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.15	1
o-Chlorotoluene	ND		ug/kg	2.5	0.24	1
p-Chlorotoluene	ND		ug/kg	2.5	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.2	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.21	1
Isopropylbenzene	ND		ug/kg	1.2	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
Naphthalene	ND		ug/kg	5.0	0.81	1
Acrylonitrile	ND		ug/kg	5.0	1.4	1
·						



**Project Name:** Lab Number: 34 STATE STREET L2525476

**Project Number:** Report Date: 13968 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-07 Date Collected: 04/24/25 11:40

Client ID: Date Received: 04/24/25 EB-16 (0.5-1.0')

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low	- Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.21	1	
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.40	1	
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1	
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	0.24	1	
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	0.42	1	
1,4-Dioxane	ND		ug/kg	100	44.	1	
p-Diethylbenzene	ND		ug/kg	2.5	0.22	1	
p-Ethyltoluene	ND		ug/kg	2.5	0.48	1	
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.5	0.24	1	
Ethyl ether	ND		ug/kg	2.5	0.43	1	
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	1.8	1	

Tentatively Identified Compounds				
Total TIC Compounds	3.88	J	ug/kg	1
Propanal, 2-methyl-	3.88	NJ	ug/kg	1

Surrogate	% Recovery	A Qualifier	cceptance Criteria	
1,2-Dichloroethane-d4	104		70-130	
Toluene-d8	83		70-130	
4-Bromofluorobenzene	99		70-130	
Dibromofluoromethane	117		70-130	



L2525476

**Project Name:** 34 STATE STREET

**Project Number:** 13968

**SAMPLE RESULTS** 

Lab Number:

Report Date: 05/08/25

Lab ID: L2525476-08

Client ID: EB-17 (4.5-5.0')

Sample Location: 34 STATE STREET, OSSINING, NY Date Collected: 04/24/25 12:10 Date Received: 04/24/25

Field Prep: Not Specified

Sample Depth:

Matrix: Soil Analytical Method: 1,8260D Analytical Date: 05/06/25 01:08

Analyst: AJK 83% Percent Solids:

Volatile Organics by EPA 5035 Low - West  Methylene chloride	ND ND				
	ND	ug/kg	6.8	3.1	1
1,1-Dichloroethane		ug/kg	1.4	0.20	1
Chloroform	ND	ug/kg	2.0	0.19	1
Carbon tetrachloride	ND	ug/kg	1.4	0.31	1
1,2-Dichloropropane	ND	ug/kg	1.4	0.17	1
Dibromochloromethane	ND	ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND	ug/kg	1.4	0.36	1
Tetrachloroethene	ND	ug/kg	0.68	0.27	1
Chlorobenzene	ND	ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND	ug/kg	5.4	0.95	1
1,2-Dichloroethane	ND	ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND	ug/kg	0.68	0.23	1
Bromodichloromethane	ND	ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND	ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND	ug/kg	0.68	0.22	1
1,3-Dichloropropene, Total	ND	ug/kg	0.68	0.22	1
1,1-Dichloropropene	ND	ug/kg	0.68	0.22	1
Bromoform	ND	ug/kg	5.4	0.34	1
1,1,2,2-Tetrachloroethane	ND	ug/kg	0.68	0.23	1
Benzene	ND	ug/kg	0.68	0.23	1
Toluene	ND	ug/kg	1.4	0.74	1
Ethylbenzene	ND	ug/kg	1.4	0.19	1
Chloromethane	ND	ug/kg	5.4	1.3	1
Bromomethane	ND	ug/kg	2.7	0.79	1
Vinyl chloride	ND	ug/kg	1.4	0.46	1
Chloroethane	ND	ug/kg	2.7	0.62	1
1,1-Dichloroethene	ND	ug/kg	1.4	0.32	1
trans-1,2-Dichloroethene	ND	ug/kg	2.0	0.19	1



**Project Name:** Lab Number: 34 STATE STREET L2525476

**Project Number:** Report Date: 13968 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-08 Date Collected: 04/24/25 12:10

Client ID: Date Received: 04/24/25 EB-17 (4.5-5.0') Field Prep: Not Specified

Sample Location: 34 STATE STREET, OSSINING, NY

						<b>5</b> 11 (1 <b>5</b> )
Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - We	estborough Lab					
Trichloroethene	ND		ug/kg	0.68	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.76	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	ND		ug/kg	14	6.6	1
Carbon disulfide	ND		ug/kg	14	6.2	1
2-Butanone	ND		ug/kg	14	3.0	1
Vinyl acetate	ND		ug/kg	14	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.68	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.4	0.88	1
Acrylonitrile	ND		ug/kg	5.4	1.6	1



**Project Name:** Lab Number: 34 STATE STREET L2525476

**Project Number:** Report Date: 13968 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-08 Date Collected: 04/24/25 12:10

Date Received: 04/24/25 Client ID: EB-17 (4.5-5.0')

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Tentatively Identified Compounds

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westb	orough Lab					
n-Propylbenzene	ND		ug/kg	1.4	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.46	1
1,4-Dioxane	ND		ug/kg	110	48.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.52	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	1.9	1

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	105	70-130	
Toluene-d8	78	70-130	
4-Bromofluorobenzene	93	70-130	
Dibromofluoromethane	118	70-130	



L2525476

04/24/25 12:00

Not Specified

04/24/25

**Project Name:** 34 STATE STREET

**Project Number:** 13968

**SAMPLE RESULTS** 

Lab Number:

Date Collected:

Date Received:

Field Prep:

Report Date: 05/08/25

Lab ID: L2525476-09 Client ID: EB-18 (4.5-5.0')

Sample Location: 34 STATE STREET, OSSINING, NY

Sample Depth:

Matrix: Soil Analytical Method: 1,8260D Analytical Date: 05/06/25 01:35

Analyst: AJK 81% Percent Solids:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low	- Westborough Lab					
Methylene chloride	ND		ug/kg	4.1	1.9	1
1,1-Dichloroethane	ND		ug/kg	0.82	0.12	1
Chloroform	ND		ug/kg	1.2	0.11	1
Carbon tetrachloride	ND		ug/kg	0.82	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.82	0.10	1
Dibromochloromethane	ND		ug/kg	0.82	0.11	1
1,1,2-Trichloroethane	ND		ug/kg	0.82	0.22	1
Tetrachloroethene	ND		ug/kg	0.41	0.16	1
Chlorobenzene	ND		ug/kg	0.41	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.3	0.57	1
1,2-Dichloroethane	ND		ug/kg	0.82	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	0.41	0.14	1
Bromodichloromethane	ND		ug/kg	0.41	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.82	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	0.41	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	0.41	0.13	1
1,1-Dichloropropene	ND		ug/kg	0.41	0.13	1
Bromoform	ND		ug/kg	3.3	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.41	0.14	1
Benzene	ND		ug/kg	0.41	0.14	1
Toluene	ND		ug/kg	0.82	0.44	1
Ethylbenzene	0.43	J	ug/kg	0.82	0.12	1
Chloromethane	ND		ug/kg	3.3	0.76	1
Bromomethane	ND		ug/kg	1.6	0.48	1
Vinyl chloride	ND		ug/kg	0.82	0.27	1
Chloroethane	ND		ug/kg	1.6	0.37	1
1,1-Dichloroethene	ND		ug/kg	0.82	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.11	1



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-09 Date Collected: 04/24/25 12:00

Client ID: EB-18 (4.5-5.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - We	estborough Lab					
Trichloroethene	ND		//	0.41	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	0.11	1
•	ND		ug/kg	1.6	0.12	1
1,3-Dichlorobenzene	ND ND		ug/kg		0.12	
1,4-Dichlorobenzene			ug/kg	1.6		1
Methyl tert butyl ether	ND 0.40		ug/kg	1.6	0.16	1
p/m-Xylene	0.46	J	ug/kg	1.6	0.46	1
o-Xylene	1.7		ug/kg	0.82	0.24	1
Xylenes, Total	2.2	J	ug/kg	0.82	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.82	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	0.82	0.11	1
Dibromomethane	ND		ug/kg	1.6	0.20	1
Styrene	ND		ug/kg	0.82	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.2	0.75	1
Acetone	ND		ug/kg	8.2	3.9	1
Carbon disulfide	ND		ug/kg	8.2	3.7	1
2-Butanone	ND		ug/kg	8.2	1.8	1
Vinyl acetate	ND		ug/kg	8.2	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.2	1.0	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	0.10	1
2-Hexanone	ND		ug/kg	8.2	0.97	1
Bromochloromethane	ND		ug/kg	1.6	0.17	1
2,2-Dichloropropane	ND		ug/kg	1.6	0.16	1
1,2-Dibromoethane	ND		ug/kg	0.82	0.23	1
1,3-Dichloropropane	ND		ug/kg	1.6	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.41	0.11	1
Bromobenzene	ND		ug/kg	1.6	0.12	1
n-Butylbenzene	ND		ug/kg	0.82	0.14	1
sec-Butylbenzene	ND		ug/kg	0.82	0.12	1
tert-Butylbenzene	ND		ug/kg	1.6	0.10	1
o-Chlorotoluene	ND		ug/kg	1.6	0.16	1
p-Chlorotoluene	ND		ug/kg	1.6	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	0.82	1
Hexachlorobutadiene	ND		ug/kg	3.3	0.14	1
Isopropylbenzene	0.12	J	ug/kg	0.82	0.09	1
p-Isopropyltoluene	0.14	J	ug/kg	0.82	0.09	1
Naphthalene	ND		ug/kg	3.3	0.53	1
Acrylonitrile	ND		ug/kg	3.3	0.94	1
•						



**Project Name:** Lab Number: 34 STATE STREET L2525476

**Project Number:** Report Date: 13968 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-09 Date Collected: 04/24/25 12:00

Client ID: Date Received: 04/24/25 EB-18 (4.5-5.0')

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low	- Westborough Lab						
n-Propylbenzene	0.40	J	ug/kg	0.82	0.14	1	
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	0.26	1	
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	0.22	1	
1,3,5-Trimethylbenzene	2.9		ug/kg	1.6	0.16	1	
1,2,4-Trimethylbenzene	2.3		ug/kg	1.6	0.27	1	
1,4-Dioxane	ND		ug/kg	66	29.	1	
p-Diethylbenzene	0.66	J	ug/kg	1.6	0.14	1	
p-Ethyltoluene	1.7		ug/kg	1.6	0.31	1	
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.6	0.16	1	
Ethyl ether	ND		ug/kg	1.6	0.28	1	
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.1	1.2	1	

Tentatively Identified Compounds				
Total TIC Compounds	2.93	J	u <b>g</b> /kg	1
Unknown Benzene	2.93	J	ug/kg	1

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	79	70-130	
4-Bromofluorobenzene	91	70-130	
Dibromofluoromethane	122	70-130	



L2525476

**Project Name:** 34 STATE STREET

**Project Number:** 13968

**SAMPLE RESULTS** 

Report Date: 05/08/25

Lab Number:

Lab ID: L2525476-10 Date Collected: 04/24/25 12:20

Client ID: EB-19 (2.5-3.0')

Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Analytical Method: 1,8260D Analytical Date: 05/06/25 02:02

Analyst: AJK 90% Percent Solids:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by EPA 5035 Low	- Westborough Lab						
Methylene chloride	ND		ug/kg	5.9	2.7	1	
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1	
Chloroform	ND		ug/kg	1.8	0.16	1	
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1	
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1	
Dibromochloromethane	ND		ug/kg	1.2	0.16	1	
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1	
Tetrachloroethene	ND		ug/kg	0.59	0.23	1	
Chlorobenzene	ND		ug/kg	0.59	0.15	1	
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1	
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1	
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1	
Bromodichloromethane	ND		ug/kg	0.59	0.13	1	
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1	
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1	
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.19	1	
1,1-Dichloropropene	ND		ug/kg	0.59	0.19	1	
Bromoform	ND		ug/kg	4.7	0.29	1	
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1	
Benzene	ND		ug/kg	0.59	0.20	1	
Toluene	ND		ug/kg	1.2	0.64	1	
Ethylbenzene	ND		ug/kg	1.2	0.17	1	
Chloromethane	ND		ug/kg	4.7	1.1	1	
Bromomethane	ND		ug/kg	2.4	0.69	1	
Vinyl chloride	ND		ug/kg	1.2	0.40	1	
Chloroethane	ND		ug/kg	2.4	0.53	1	
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1	
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1	



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-10 Date Collected: 04/24/25 12:20

Client ID: EB-19 (2.5-3.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low	- Westborough Lab					
Trichloroethene	ND		ug/kg	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.59	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.22	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.77	1
Acrylonitrile	ND		ug/kg	4.7	1.4	1



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-10 Date Collected: 04/24/25 12:20

Client ID: EB-19 (2.5-3.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Result Qualifier Units RL MDL I			Dilution Factor		
Volatile Organics by EPA 5035 Low - We	estborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1	
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1	
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1	
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1	
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.39	1	
1,4-Dioxane	ND		ug/kg	94	41.	1	
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1	
p-Ethyltoluene	ND		ug/kg	2.4	0.45	1	
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.22	1	
Ethyl ether	ND		ug/kg	2.4	0.40	1	
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1	

Tentatively Identified Compounds	
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No Tentatively Identified Compounds ND ug/kg 1

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	103	70-130	
Toluene-d8	80	70-130	
4-Bromofluorobenzene	94	70-130	
Dibromofluoromethane	117	70-130	



L2525476

Project Name: 34 STATE STREET Lab Number:

Project Number: 13968 Report Date: 05/08/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D Analytical Date: 05/05/25 21:32

Analyst: AJK

arameter	Result	Qualifier	Units	RL	MDL	
olatile Organics by EPA 5035 L	ow - Westbord	ough Lab fo	or sample(s):	01,03,05-10	Batch:	WG2063102-
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	1.3	J	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	



L2525476

Lab Number:

Project Name: 34 STATE STREET

Project Number: 13968 Report Date: 05/08/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D Analytical Date: 05/05/25 21:32

Analyst: AJK

arameter	Result	Qualifier	Units	RL	MDL	
olatile Organics by EPA 5035 L	.ow - Westbord	ough Lab fo	or sample(s):	01,03,05-10	Batch:	WG2063102-
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	5.9	J	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: 34 STATE STREET

Project Number: 13968

Lab Number: L2525476

**Report Date:** 05/08/25

#### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D Analytical Date: 05/05/25 21:32

Analyst: AJK

arameter	Result	Qualifier	Units	RL	MDL	
olatile Organics by EPA 5035 L	ow - Westbord	ough Lab fo	or sample(s):	01,03,05-10	Batch:	WG2063102-5
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	

Tentatively Identified Compounds				
Total TIC Compounds	13.2	J	ug/kg	
Unknown	13.2	J	ug/kg	



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D Analytical Date: 05/05/25 21:32

Analyst: AJK

Parameter Result Qualifier Units RL MDL

Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,05-10 Batch: WG2063102-5

		Acceptance		
Surrogate	%Recovery	Qualifier	Criteria	
1,2-Dichloroethane-d4	92		70-130	
Toluene-d8	88		70-130	
4-Bromofluorobenzene	105		70-130	
Dibromofluoromethane	97		70-130	



L2525476

Lab Number:

Project Name: 34 STATE STREET

Project Number: 13968 Report Date: 05/08/25

Method Blank Analysis Batch Quality Control

Batch Quality Contr

1,8260D

05/07/25 09:08

Analyst: MNF

Analytical Method:

Analytical Date:

arameter	Result	Qualifier	Units		RL	MDL
olatile Organics by GC/MS - V	Vestborough Lab	for samp	le(s):	02-04	Batch:	WG2063607-5
Methylene chloride	ND		ug/kg		5.0	2.3
1,1-Dichloroethane	ND		ug/kg		1.0	0.14
Chloroform	0.50	J	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



L2525476

05/08/25

Lab Number:

**Project Name:** 34 STATE STREET

1,8260D

05/07/25 09:08

**Project Number:** Report Date: 13968

Method Blank Analysis Batch Quality Control

Analyst: MNF

Analytical Method:

Analytical Date:

arameter	Result	Qualifier Units	RL	MDL
olatile Organics by GC/MS -	Westborough Lab	or sample(s): 02	-04 Batch:	WG2063607-5
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:** 34 STATE STREET

Project Number: 13968

Lab Number: L2525476

**Report Date:** 05/08/25

#### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D Analytical Date: 05/07/25 09:08

Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL	
olatile Organics by GC/MS - We	stborough Lab	o for sampl	e(s): 02-04	Batch:	WG2063607-5	
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	0.38	J	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	

Tentatively Identified Compounds

No Tentatively Identified Compounds

ND

ug/kg



L2525476

Project Name: 34 STATE STREET Lab Number:

Project Number: 13968 Report Date: 05/08/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D Analytical Date: 05/07/25 09:08

Analyst: MNF

Parameter Result Qualifier Units RL MDL

Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04 Batch: WG2063607-5

		Acceptance		
Surrogate	%Recovery	Qualifier	Criteria	
1,2-Dichloroethane-d4	93	•	70-130	
Toluene-d8	83		70-130	
4-Bromofluorobenzene	79		70-130	
Dibromofluoromethane	93		70-130	



**Project Name:** 34 STATE STREET

Project Number: 13968

Lab Number: L2525476

Parameter	LCS %Recovery	_	SD overy Qual	%Recovery Limits	RPD	RPD Qual Limits
Volatile Organics by EPA 5035 Low - V	Westborough Lab	Associated sample(s)	: 01,03,05-10	Batch: WG2063	102-3 WG20	63102-4
Methylene chloride	105	1	06	70-130	1	30
1,1-Dichloroethane	113	1	16	70-130	3	30
Chloroform	115	1	21	70-130	5	30
Carbon tetrachloride	115	1	17	70-130	2	30
1,2-Dichloropropane	117	1	23	70-130	5	30
Dibromochloromethane	100	1	03	70-130	3	30
1,1,2-Trichloroethane	109	1	10	70-130	1	30
Tetrachloroethene	104	1	03	70-130	1	30
Chlorobenzene	105	1	08	70-130	3	30
Trichlorofluoromethane	118	1	18	70-139	0	30
1,2-Dichloroethane	109	1	14	70-130	4	30
1,1,1-Trichloroethane	117	1	20	70-130	3	30
Bromodichloromethane	116	1	22	70-130	5	30
trans-1,3-Dichloropropene	110	1	11	70-130	1	30
cis-1,3-Dichloropropene	128	1	<b>35</b> Q	70-130	5	30
1,1-Dichloropropene	122	1	26	70-130	3	30
Bromoform	97	9	99	70-130	2	30
1,1,2,2-Tetrachloroethane	112	1	15	70-130	3	30
Benzene	121	1	24	70-130	2	30
Toluene	100	1	02	70-130	2	30
Ethylbenzene	103	1	06	70-130	3	30
Chloromethane	123	1	21	52-130	2	30
Bromomethane	156	Q 1	<b>56</b> Q	57-147	0	30



**Project Name:** 34 STATE STREET

Project Number: 13968

Lab Number: L2525476

Parameter	LCS %Recovery	LCS Qual %Reco		%Recovery Limits	RPD	RPD Qual Limits
Volatile Organics by EPA 5035 Low	- Westborough Lab	Associated sample(s):	01,03,05-10	Batch: WG206310	02-3 WG20	63102-4
Vinyl chloride	118	114		67-130	3	30
Chloroethane	105	102	!	50-151	3	30
1,1-Dichloroethene	115	114	+	65-135	1	30
trans-1,2-Dichloroethene	115	125	i	70-130	8	30
Trichloroethene	127	129	)	70-130	2	30
1,2-Dichlorobenzene	106	108	1	70-130	2	30
1,3-Dichlorobenzene	107	109	)	70-130	2	30
1,4-Dichlorobenzene	106	108	<b>,</b>	70-130	2	30
Methyl tert butyl ether	126	125	i	66-130	1	30
p/m-Xylene	106	110	)	70-130	4	30
o-Xylene	104	108	<b>.</b>	70-130	4	30
cis-1,2-Dichloroethene	124	126	<b>;</b>	70-130	2	30
Dibromomethane	124	130	)	70-130	5	30
Styrene	104	107	•	70-130	3	30
Dichlorodifluoromethane	113	113	<b>.</b>	30-146	0	30
Acetone	149	Q 146	Q	54-140	2	30
Carbon disulfide	107	105	i	59-130	2	30
2-Butanone	130	129	)	70-130	1	30
Vinyl acetate	124	123		70-130	1	30
4-Methyl-2-pentanone	101	100	)	70-130	1	30
1,2,3-Trichloropropane	110	110	)	68-130	0	30
2-Hexanone	98	99		70-130	1	30
Bromochloromethane	116	119	)	70-130	3	30



**Project Name:** 34 STATE STREET

Project Number: 13968

Lab Number: L2525476

arameter	LCS %Recovery		CSD ecovery Qua	%Recovery I Limits	RPD		PD nits
olatile Organics by EPA 5035 Low - \	Westborough Lab	Associated sample(	s): 01,03,05-10	Batch: WG20631	02-3 WG206	63102-4	
2,2-Dichloropropane	114		118	70-130	3	;	30
1,2-Dibromoethane	114		116	70-130	2	;	30
1,3-Dichloropropane	106		108	69-130	2	;	30
1,1,1,2-Tetrachloroethane	101		103	70-130	2	;	30
Bromobenzene	104		106	70-130	2	;	30
n-Butylbenzene	120		124	70-130	3	;	30
sec-Butylbenzene	115		117	70-130	2	;	30
tert-Butylbenzene	108		111	70-130	3	;	30
o-Chlorotoluene	109		112	70-130	3	;	30
p-Chlorotoluene	110		113	70-130	3	;	30
1,2-Dibromo-3-chloropropane	101		101	68-130	0	;	30
Hexachlorobutadiene	101		104	67-130	3	;	30
Isopropylbenzene	111		114	70-130	3	;	30
p-Isopropyltoluene	111		115	70-130	4	;	30
Naphthalene	108		108	70-130	0	;	30
Acrylonitrile	130		128	70-130	2	;	30
n-Propylbenzene	114		117	70-130	3	;	30
1,2,3-Trichlorobenzene	103		102	70-130	1	;	30
1,2,4-Trichlorobenzene	108		110	70-130	2	;	30
1,3,5-Trimethylbenzene	109		112	70-130	3	;	30
1,2,4-Trimethylbenzene	110		113	70-130	3	;	30
1,4-Dioxane	143	Q	<b>143</b> Q	65-136	0	;	30
p-Diethylbenzene	112		114	70-130	2	;	30



**Project Name:** 34 STATE STREET

Lab Number:

L2525476

Project Number:	13968	Report Date:	05/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	
Volatile Organics by EPA 5035 Low	- Westborough Lab	Associated	sample(s): 01,03	3,05-10	Batch: WG206310	02-3 WG20	63102-4		
p-Ethyltoluene	113		116		70-130	3		30	
1,2,4,5-Tetramethylbenzene	109		111		70-130	2		30	
Ethyl ether	132	Q	130		67-130	2		30	
trans-1,4-Dichloro-2-butene	96		97		70-130	1		30	

	LCS	LCSD	Acceptance	
Surrogate	%Recovery Qual	%Recovery Qual	Criteria	_
1,2-Dichloroethane-d4	90	90	70-130	
Toluene-d8	89	89	70-130	
4-Bromofluorobenzene	105	104	70-130	
Dibromofluoromethane	101	101	70-130	



**Project Name:** 34 STATE STREET

Project Number: 13968

Lab Number: L2525476

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	RPD Qual Limits
Volatile Organics by GC/MS - Westboro	ugh Lab Associa	ted sample(s):	02-04 Ba	tch: WG20	63607-3 WG206	63607-4	
Methylene chloride	82		83		70-130	1	30
1,1-Dichloroethane	102		103		70-130	1	30
Chloroform	86		89		70-130	3	30
Carbon tetrachloride	96		97		70-130	1	30
1,2-Dichloropropane	99		103		70-130	4	30
Dibromochloromethane	89		92		70-130	3	30
1,1,2-Trichloroethane	81		84		70-130	4	30
Tetrachloroethene	107		110		70-130	3	30
Chlorobenzene	90		93		70-130	3	30
Trichlorofluoromethane	98		95		70-139	3	30
1,2-Dichloroethane	94		96		70-130	2	30
1,1,1-Trichloroethane	87		90		70-130	3	30
Bromodichloromethane	80		84		70-130	5	30
trans-1,3-Dichloropropene	85		88		70-130	3	30
cis-1,3-Dichloropropene	87		93		70-130	7	30
1,1-Dichloropropene	86		89		70-130	3	30
Bromoform	93		96		70-130	3	30
1,1,2,2-Tetrachloroethane	70		70		70-130	0	30
Benzene	82		85		70-130	4	30
Toluene	81		83		70-130	2	30
Ethylbenzene	86		88		70-130	2	30
Chloromethane	143	Q	139	Q	52-130	3	30
Bromomethane	95		94		57-147	1	30



**Project Name:** 34 STATE STREET

Project Number: 13968

Lab Number: L2525476

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	RPD Qual Limits
Volatile Organics by GC/MS - W	Vestborough Lab Associa	ated sample(s)	: 02-04 Bato	ch: WG2063	607-3 WG206	3607-4	
Vinyl chloride	108		104		67-130	4	30
Chloroethane	88		85		50-151	3	30
1,1-Dichloroethene	91		91		65-135	0	30
trans-1,2-Dichloroethene	90		91		70-130	1	30
Trichloroethene	102		108		70-130	6	30
1,2-Dichlorobenzene	99		103		70-130	4	30
1,3-Dichlorobenzene	102		107		70-130	5	30
1,4-Dichlorobenzene	99		104		70-130	5	30
Methyl tert butyl ether	93		93		66-130	0	30
p/m-Xylene	89		93		70-130	4	30
o-Xylene	88		92		70-130	4	30
cis-1,2-Dichloroethene	85		87		70-130	2	30
Dibromomethane	79		83		70-130	5	30
Styrene	87		89		70-130	2	30
Dichlorodifluoromethane	90		85		30-146	6	30
Acetone	97		108		54-140	11	30
Carbon disulfide	93		92		59-130	1	30
2-Butanone	113		107		70-130	5	30
Vinyl acetate	58	Q	52	Q	70-130	11	30
4-Methyl-2-pentanone	115		113		70-130	2	30
1,2,3-Trichloropropane	78		81		68-130	4	30
2-Hexanone	113		122		70-130	8	30
Bromochloromethane	96		98		70-130	2	30



**Project Name:** 34 STATE STREET

Project Number: 13968

Lab Number: L2525476

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	RPD Qual Limits
Volatile Organics by GC/MS -	Westborough Lab Associa	ated sample(s):	02-04 Batc	h: WG206	3607-3 WG206	3607-4	
2,2-Dichloropropane	83		85		70-130	2	30
1,2-Dibromoethane	90		93		70-130	3	30
1,3-Dichloropropane	83		86		69-130	4	30
1,1,1,2-Tetrachloroethane	95		98		70-130	3	30
Bromobenzene	101		104		70-130	3	30
n-Butylbenzene	94		101		70-130	7	30
sec-Butylbenzene	89		94		70-130	5	30
tert-Butylbenzene	96		100		70-130	4	30
o-Chlorotoluene	92		93		70-130	1	30
p-Chlorotoluene	90		95		70-130	5	30
1,2-Dibromo-3-chloropropane	97		101		68-130	4	30
Hexachlorobutadiene	109		117		67-130	7	30
Isopropylbenzene	91		95		70-130	4	30
p-Isopropyltoluene	99		104		70-130	5	30
Naphthalene	112		119		70-130	6	30
Acrylonitrile	141	Q	142	Q	70-130	1	30
n-Propylbenzene	89		92		70-130	3	30
1,2,3-Trichlorobenzene	109		118		70-130	8	30
1,2,4-Trichlorobenzene	118		126		70-130	7	30
1,3,5-Trimethylbenzene	89		93		70-130	4	30
1,2,4-Trimethylbenzene	90		94		70-130	4	30
1,4-Dioxane	99		102		65-136	3	30
p-Diethylbenzene	102		107		70-130	5	30



**Project Name:** 34 STATE STREET

Project Number: 13968

Lab Number:

L2525476

Report Date:

05/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborou	ugh Lab Associate	ed sample(s):	: 02-04 Batch	n: WG206	3607-3 WG2063	3607-4		
p-Ethyltoluene	95		99		70-130	4		30
1,2,4,5-Tetramethylbenzene	115		123		70-130	7		30
Ethyl ether	103		102		67-130	1		30
trans-1,4-Dichloro-2-butene	94		102		70-130	8		30

Surrogate	LCS %Recovery Qual	LCSD %Recovery Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90	91	70-130
Toluene-d8	89	87	70-130
4-Bromofluorobenzene	85	87	70-130
Dibromofluoromethane	94	93	70-130



#### **SEMIVOLATILES**



L2525476

05/08/25

**Project Name:** 34 STATE STREET

**Project Number:** 13968

**SAMPLE RESULTS** 

Lab Number:

Report Date:

Lab ID: L2525476-01 Date Collected: 04/24/25 10:20

Date Received: Client ID: 04/24/25 EB-10 (4.5-5.0') Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Extraction Method: EPA 3546 Matrix: Soil **Extraction Date:** 04/29/25 17:11 Analytical Method: 1,8270E

Analytical Date: 04/30/25 16:25

Analyst: SMZ 88% Percent Solids:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westb	orough Lab					
Acenaphthene	190		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	1000		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	120	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-01 Date Collected: 04/24/25 10:20

Client ID: EB-10 (4.5-5.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - We	estborough Lab					
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	450		ug/kg	110	21.	1
Benzo(a)pyrene	440		ug/kg	150	46.	1
Benzo(b)fluoranthene	470		ug/kg	110	31.	1
Benzo(k)fluoranthene	200		ug/kg	110	30.	1
Chrysene	400		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	300		ug/kg	110	36.	1
Benzo(ghi)perylene	240		ug/kg	150	22.	1
Fluorene	140	J	ug/kg	190	18.	1
Phenanthrene	880		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	56	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	230		ug/kg	150	26.	1
Pyrene	780		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	430	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	78	J	ug/kg	190	18.	1
2-Methylnaphthalene	36	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-01 Date Collected: 04/24/25 10:20

Client ID: EB-10 (4.5-5.0') Date Received: 04/24/25
Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Semivolatile Organics by GC/MS -	Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1	
Benzoic Acid	ND		ug/kg	610	190	1	
Benzyl Alcohol	ND		ug/kg	190	57.	1	
Carbazole	140	J	ug/kg	190	18.	1	
1,4-Dioxane	ND		ug/kg	28	8.6	1	

Tentatively Identified Compounds				
Total TIC Compounds	911	J	ug/kg	1
Unknown PAH	183	J	ug/kg	1
Unknown	162	J	ug/kg	1
Unknown PAH	223	J	ug/kg	1
Unknown PAH	180	J	ug/kg	1
Unknown PAH	163	J	ug/kg	1

Surrogate	% Recovery	Acceptance Qualifier Criteria	
2-Fluorophenol	77	25-120	
Phenol-d6	73	10-120	
Nitrobenzene-d5	76	23-120	
2-Fluorobiphenyl	69	30-120	
2,4,6-Tribromophenol	88	10-136	
4-Terphenyl-d14	74	18-120	



L2525476

**Project Name:** Lab Number: 34 STATE STREET

Report Date: **Project Number:** 13968 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-02 Date Collected: 04/24/25 10:35

Date Received: Client ID: 04/24/25 EB-11 (6.5-7.0')

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Extraction Method: EPA 3546 Matrix: Soil

**Extraction Date:** 04/29/25 17:11 Analytical Method: 1,8270E Analytical Date: 04/30/25 16:47

Analyst: SMZ 88% Percent Solids:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - West	borough Lab					
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1



**Project Name:** Lab Number: 34 STATE STREET L2525476

**Project Number:** Report Date: 13968 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-02 Date Collected: 04/24/25 10:35

Client ID: Date Received: 04/24/25 EB-11 (6.5-7.0') Field Prep: Not Specified

Sample Location: 34 STATE STREET, OSSINING, NY

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS -	Westborough Lab					
S	ND			100	4-	,
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
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Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-02 Date Collected: 04/24/25 10:35

Client ID: EB-11 (6.5-7.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Semivolatile Organics by GC/MS	- Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1	
Benzoic Acid	ND		ug/kg	610	190	1	
Benzyl Alcohol	ND		ug/kg	190	58.	1	
Carbazole	ND		ug/kg	190	18.	1	
1,4-Dioxane	ND		ug/kg	28	8.6	1	

Tentatively Identified Compounds			
No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Acceptance Qualifier Criteria
2-Fluorophenol	99	25-120
Phenol-d6	94	10-120
Nitrobenzene-d5	97	23-120
2-Fluorobiphenyl	91	30-120
2,4,6-Tribromophenol	118	10-136
4-Terphenyl-d14	93	18-120



L2525476

05/08/25

**Project Name:** 34 STATE STREET

L2525476-03

04/30/25 17:10

**Project Number:** 13968

**SAMPLE RESULTS** 

Date Collected: 04/24/25 10:50

Lab Number:

Report Date:

Date Received: Client ID: 04/24/25 EB-12 (4.5-5.0')

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Analytical Date:

Lab ID:

Extraction Method: EPA 3546 Matrix: Soil **Extraction Date:** 04/29/25 17:11 Analytical Method: 1,8270E

Analyst: SMZ 82% Percent Solids:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor			
Semivolatile Organics by GC/MS - Westborough Lab									
Acenaphthene	ND		ug/kg	160	21.	1			
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1			
Hexachlorobenzene	ND		ug/kg	120	22.	1			
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1			
2-Chloronaphthalene	ND		ug/kg	200	20.	1			
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1			
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1			
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1			
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1			
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1			
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1			
Fluoranthene	ND		ug/kg	120	23.	1			
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1			
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1			
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1			
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1			
Hexachlorobutadiene	ND		ug/kg	200	29.	1			
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1			
Hexachloroethane	ND		ug/kg	160	32.	1			
Isophorone	ND		ug/kg	180	26.	1			
Naphthalene	ND		ug/kg	200	24.	1			
Nitrobenzene	ND		ug/kg	180	30.	1			
NDPA/DPA	ND		ug/kg	160	23.	1			
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1			
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1			
Butyl benzyl phthalate	ND		ug/kg	200	51.	1			
Di-n-butylphthalate	ND		ug/kg	200	38.	1			
Di-n-octylphthalate	ND		ug/kg	200	68.	1			



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-03 Date Collected: 04/24/25 10:50

Client ID: EB-12 (4.5-5.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor			
Semivolatile Organics by GC/MS - Westborough Lab									
Diethyl phthalate	ND		ug/kg	200	19.	1			
Dimethyl phthalate	ND		ug/kg	200	42.	1			
Benzo(a)anthracene	ND		ug/kg	120	23.	1			
Benzo(a)pyrene	ND		ug/kg	160	49.	1			
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1			
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1			
Chrysene	ND		ug/kg	120	21.	1			
Acenaphthylene	ND		ug/kg	160	31.	1			
Anthracene	ND		ug/kg	120	39.	1			
Benzo(ghi)perylene	ND		ug/kg	160	24.	1			
Fluorene	ND		ug/kg	200	20.	1			
Phenanthrene	ND		ug/kg	120	24.	1			
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1			
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1			
Pyrene	ND		ug/kg	120	20.	1			
Biphenyl	ND		ug/kg	460	26.	1			
4-Chloroaniline	ND		ug/kg	200	37.	1			
2-Nitroaniline	ND		ug/kg	200	39.	1			
3-Nitroaniline	ND		ug/kg	200	38.	1			
4-Nitroaniline	ND		ug/kg	200	83.	1			
Dibenzofuran	ND		ug/kg	200	19.	1			
2-Methylnaphthalene	ND		ug/kg	240	24.	1			
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1			
Acetophenone	ND		ug/kg	200	25.	1			
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1			
p-Chloro-m-cresol	ND		ug/kg	200	30.	1			
2-Chlorophenol	ND		ug/kg	200	24.	1			
2,4-Dichlorophenol	ND		ug/kg	180	32.	1			
2,4-Dimethylphenol	ND		ug/kg	200	66.	1			
2-Nitrophenol	ND		ug/kg	430	76.	1			
4-Nitrophenol	ND		ug/kg	280	82.	1			
2,4-Dinitrophenol	ND		ug/kg	970	94.	1			
4,6-Dinitro-o-cresol	ND		ug/kg	520	97.	1			
Pentachlorophenol	ND		ug/kg	160	44.	1			
Phenol	ND		ug/kg	200	30.	1			
2-Methylphenol	ND		ug/kg	200	31.	1			
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1			



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-03 Date Collected: 04/24/25 10:50

Client ID: EB-12 (4.5-5.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/M	S - Westborough Lab					
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.3	1

Tentatively Identified Compounds			
No Tentatively Identified Compounds	ND	ua/ka	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	109		25-120
Phenol-d6	106		10-120
Nitrobenzene-d5	108		23-120
2-Fluorobiphenyl	104		30-120
2,4,6-Tribromophenol	139	Q	10-136
4-Terphenyl-d14	113		18-120



L2525476

**Project Name:** Lab Number: 34 STATE STREET

**Project Number:** 13968 Report Date:

05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-04 Date Collected: 04/24/25 11:10

Date Received: Client ID: 04/24/25 EB-13 (2.5-3.0') Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Extraction Method: EPA 3546 Matrix: Soil **Extraction Date:** 

04/29/25 17:53 Analytical Method: 1,8270E Analytical Date: 04/30/25 17:32

Analyst: SMZ 75% Percent Solids:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Semivolatile Organics by GC/MS - W	estborough Lab						
Acenaphthene	29	J	ug/kg	180	23.	1	
1,2,4-Trichlorobenzene	ND		ug/kg	220	25.	1	
Hexachlorobenzene	ND		ug/kg	130	25.	1	
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1	
2-Chloronaphthalene	ND		ug/kg	220	22.	1	
1,2-Dichlorobenzene	ND		ug/kg	220	40.	1	
1,3-Dichlorobenzene	ND		ug/kg	220	38.	1	
1,4-Dichlorobenzene	ND		ug/kg	220	38.	1	
3,3'-Dichlorobenzidine	ND		ug/kg	220	59.	1	
2,4-Dinitrotoluene	ND		ug/kg	220	44.	1	
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1	
Fluoranthene	ND		ug/kg	130	25.	1	
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1	
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1	
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	38.	1	
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1	
Hexachlorobutadiene	ND		ug/kg	220	32.	1	
Hexachlorocyclopentadiene	ND		ug/kg	630	200	1	
Hexachloroethane	ND		ug/kg	180	36.	1	
Isophorone	ND		ug/kg	200	29.	1	
Naphthalene	29	J	ug/kg	220	27.	1	
Nitrobenzene	ND		ug/kg	200	33.	1	
NDPA/DPA	ND		ug/kg	180	25.	1	
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1	
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	76.	1	
Butyl benzyl phthalate	ND		ug/kg	220	56.	1	
Di-n-butylphthalate	ND		ug/kg	220	42.	1	
Di-n-octylphthalate	ND		ug/kg	220	75.	1	



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-04 Date Collected: 04/24/25 11:10

Client ID: EB-13 (2.5-3.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS -	Westborough Lab					
	•					
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	ND		ug/kg	130	25.	1
Benzo(a)pyrene	ND		ug/kg	180	54.	1
Benzo(b)fluoranthene	ND		ug/kg	130	37.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	ND		ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	180	34.	1
Anthracene	ND		ug/kg	130	43.	1
Benzo(ghi)perylene	ND		ug/kg	180	26.	1
Fluorene	30	J	ug/kg	220	21.	1
Phenanthrene	ND		ug/kg	130	27.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	26.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	31.	1
Pyrene	ND		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	500	29.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	42.	1
4-Nitroaniline	ND		ug/kg	220	91.	1
Dibenzofuran	ND		ug/kg	220	21.	1
2-Methylnaphthalene	38	J	ug/kg	260	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	36.	1
2,4-Dimethylphenol	ND		ug/kg	220	73.	1
2-Nitrophenol	ND		ug/kg	480	83.	1
4-Nitrophenol	ND		ug/kg	310	90.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	100	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	34.	1



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-04 Date Collected: 04/24/25 11:10

Client ID: EB-13 (2.5-3.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/M	S - Westborough Lab					
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Benzoic Acid	ND		ug/kg	720	220	1
Benzyl Alcohol	ND		ug/kg	220	68.	1
Carbazole	ND		ug/kg	220	21.	1
1.4-Dioxane	ND		ua/ka	33	10.	1

Tentatively Identified Compounds			
No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	130	Q	25-120
Phenol-d6	128	Q	10-120
Nitrobenzene-d5	129	Q	23-120
2-Fluorobiphenyl	120		30-120
2,4,6-Tribromophenol	160	Q	10-136
4-Terphenyl-d14	126	Q	18-120



L2525476

05/08/25

**Project Name:** 34 STATE STREET

**Project Number:** 13968

**SAMPLE RESULTS** 

Date Collected: 04/24/25 11:20

Lab Number:

Report Date:

Lab ID: L2525476-05 Date Received: Client ID: 04/24/25 EB-14 (2.5-3.0')

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Extraction Method: EPA 3546 Matrix: Soil **Extraction Date:** 04/29/25 17:53

1,8270E Analytical Method: Analytical Date: 04/30/25 17:54

Analyst: SMZ 83% Percent Solids:

Semivolatile Organics by GC/MS - Westborough Lab	r	Dilution Factor	MDL	RL	Units	Qualifier	Result	Parameter
1,2,4-Trichlorobenzene         ND         ug/kg         200         23.         1           Hexachlorobenzene         ND         ug/kg         120         22.         1           Bis(2-chloroethyl)ether         ND         ug/kg         180         27.         1           2-Chloronaphthalene         ND         ug/kg         200         20.         1           1,2-Dichlorobenzene         ND         ug/kg         200         36.         1           1,3-Dichlorobenzene         ND         ug/kg         200         34.         1           1,4-Dichlorobenzene         ND         ug/kg         200         35.         1           3,3-Dichlorobenzidine         ND         ug/kg         200         35.         1           2,4-Dinitrotoluene         ND         ug/kg         200         34.         1           2,6-Dinitrotoluene         ND         ug/kg         200         34.         1           Fluoranthene         32         J         ug/kg         200         34.         1           4-Chlorophenyl phenyl ether         ND         ug/kg         200         21.         1           4-Bromophenyl phenyl ether         ND         ug/kg							estborough Lab	Semivolatile Organics by GC/MS - We
1,2,4-Trichlorobenzene         ND         ug/kg         200         23.         1           Hexachlorobenzene         ND         ug/kg         120         22.         1           Bis(2-chloroethyl)ether         ND         ug/kg         180         27.         1           2-Chloronaphthalene         ND         ug/kg         200         20.         1           1,2-Dichlorobenzene         ND         ug/kg         200         36.         1           1,3-Dichlorobenzene         ND         ug/kg         200         34.         1           1,4-Dichlorobenzene         ND         ug/kg         200         35.         1           3,3-Dichlorobenzidine         ND         ug/kg         200         35.         1           2,4-Dinitrotoluene         ND         ug/kg         200         34.         1           2,6-Dinitrotoluene         ND         ug/kg         200         34.         1           Fluoranthene         32         J         ug/kg         200         34.         1           4-Chlorophenyl phenyl ether         ND         ug/kg         200         23.         1           4-Bromophenyl phenyl ether         ND         ug/kg		1	21.	160	ua/ka		ND	Acenaphthene
Hexachlorobenzene         ND         ug/kg         120         22.         1           Bis(2-chloroethyl)ether         ND         ug/kg         180         27.         1           2-Chloronaphthalene         ND         ug/kg         200         20.         1           1,2-Dichlorobenzene         ND         ug/kg         200         36.         1           1,3-Dichlorobenzene         ND         ug/kg         200         34.         1           1,4-Dichlorobenzene         ND         ug/kg         200         35.         1           3,3-Dichlorobenzene         ND         ug/kg         200         35.         1           3,3-Dichlorobenzidine         ND         ug/kg         200         35.         1           2,4-Dinitrotoluene         ND         ug/kg         200         40.         1           2,6-Dinitrotoluene         ND         ug/kg         200         34.         1           Fluoranthene         32         J         ug/kg         200         34.         1           4-Chlorophenyl phenyl ether         ND         ug/kg         200         21.         1           4-Bromophenyl phenyl ether         ND         ug/kg		1	23.	200			ND	<u>'</u>
Bis(2-chloroethyl)ether         ND         ug/kg         180         27.         1           2-Chloronaphthalene         ND         ug/kg         200         20.         1           1,2-Dichlorobenzene         ND         ug/kg         200         36.         1           1,3-Dichlorobenzene         ND         ug/kg         200         34.         1           1,4-Dichlorobenzene         ND         ug/kg         200         35.         1           3,3-Dichlorobenzidine         ND         ug/kg         200         35.         1           2,4-Dinitrotoluene         ND         ug/kg         200         40.         1           2,4-Dinitrotoluene         ND         ug/kg         200         34.         1           2,6-Dinitrotoluene         ND         ug/kg         200         34.         1           4-Chlorophenyl phenyl ether         ND         ug/kg         200         34.         1           4-Bromophenyl phenyl ether         ND         ug/kg         200         30.         1           4-Bis(2-chloroisopropyl)ether         ND         ug/kg         200         30.         1           Bis(2-chloroethoxy)methane         ND         ug/kg		1	22.	120			ND	
2-Chloronaphthalene         ND         ug/kg         200         20.         1           1,2-Dichlorobenzene         ND         ug/kg         200         36.         1           1,3-Dichlorobenzene         ND         ug/kg         200         34.         1           1,4-Dichlorobenzene         ND         ug/kg         200         35.         1           3,3'-Dichlorobenzidine         ND         ug/kg         200         53.         1           2,4-Dinitrotoluene         ND         ug/kg         200         34.         1           2,4-Dinitrotoluene         ND         ug/kg         200         34.         1           2,6-Dinitrotoluene         ND         ug/kg         200         34.         1           Fluoranthene         32         J         ug/kg         200         34.         1           Fluoranthene         32         J         ug/kg         200         21.         1           4-Chlorophenyl phenyl ether         ND         ug/kg         200         21.         1           4-Bis(2-chlorospropyl)ether         ND         ug/kg         240         34.         1           Bis(2-chloroethoxy)methane         ND <td< td=""><td></td><td>1</td><td>27.</td><td>180</td><td></td><td></td><td>ND</td><td>Bis(2-chloroethyl)ether</td></td<>		1	27.	180			ND	Bis(2-chloroethyl)ether
1,3-Dichlorobenzene         ND         ug/kg         200         34.         1           1,4-Dichlorobenzene         ND         ug/kg         200         35.         1           3,3'-Dichlorobenzidine         ND         ug/kg         200         53.         1           2,4-Dinitrotoluene         ND         ug/kg         200         40.         1           2,6-Dinitrotoluene         ND         ug/kg         200         34.         1           Fluoranthene         32         J         ug/kg         200         34.         1           4-Chlorophenyl phenyl ether         ND         ug/kg         200         21.         1           4-Bromophenyl phenyl ether         ND         ug/kg         200         30.         1           4-Bis(2-chloroisopropyl)ether         ND         ug/kg         240         34.         1           Bis(2-chloroethoxy)methane         ND         ug/kg         220         20.         1           Hexachlorobutadiene         ND         ug/kg         570         180         1           Hexachlorocyclopentadiene         ND         ug/kg         570         180         1           Hexachlorocethane         ND         <		1	20.	200	ug/kg		ND	2-Chloronaphthalene
1,4-Dichlorobenzene         ND         ug/kg         200         35.         1           3,3'-Dichlorobenzidine         ND         ug/kg         200         53.         1           2,4-Dinitrotoluene         ND         ug/kg         200         40.         1           2,6-Dinitrotoluene         ND         ug/kg         200         34.         1           Fluoranthene         32         J         ug/kg         120         23.         1           4-Chlorophenyl phenyl ether         ND         ug/kg         200         21.         1           4-Bromophenyl phenyl ether         ND         ug/kg         200         30.         1           4-Bromophenyl phenyl ether         ND         ug/kg         200         30.         1           4-Bromophenyl phenyl ether         ND         ug/kg         200         30.         1           4-Bromophenyl phenyl ether         ND         ug/kg         200         30.         1           4-Bromophenyl phenyl ether         ND         ug/kg         200         30.         1           Bis(2-chlorostopropyl)ether         ND         ug/kg         200         34.         1           Hexachlorobutadiene         ND		1	36.	200	ug/kg		ND	1,2-Dichlorobenzene
3,3'-Dichlorobenzidine       ND       ug/kg       200       53.       1         2,4-Dinitrotoluene       ND       ug/kg       200       40.       1         2,6-Dinitrotoluene       ND       ug/kg       200       34.       1         Fluoranthene       32       J       ug/kg       120       23.       1         4-Chlorophenyl phenyl ether       ND       ug/kg       200       21.       1         4-Bromophenyl phenyl ether       ND       ug/kg       200       30.       1         Bis(2-chloroisopropyl)ether       ND       ug/kg       240       34.       1         Bis(2-chloroethoxy)methane       ND       ug/kg       220       20.       1         Hexachlorobutadiene       ND       ug/kg       200       29.       1         Hexachlorocyclopentadiene       ND       ug/kg       570       180       1         Hexachloroethane       ND       ug/kg       160       32.       1         Isophorone       ND       ug/kg       200       24.       1         Naphthalene       ND       ug/kg       180       30.       1         NDPA/DPA       ND       ug/kg       1		1	34.	200	ug/kg		ND	1,3-Dichlorobenzene
2,4-Dinitrotoluene       ND       ug/kg       200       40.       1         2,6-Dinitrotoluene       ND       ug/kg       200       34.       1         Fluoranthene       32       J       ug/kg       120       23.       1         4-Chlorophenyl phenyl ether       ND       ug/kg       200       21.       1         4-Bromophenyl phenyl ether       ND       ug/kg       200       30.       1         Bis(2-chloroisopropyl)ether       ND       ug/kg       240       34.       1         Bis(2-chloroethoxy)methane       ND       ug/kg       220       20.       1         Hexachlorobutadiene       ND       ug/kg       200       29.       1         Hexachlorocyclopentadiene       ND       ug/kg       570       180       1         Hexachloroethane       ND       ug/kg       160       32.       1         Isophorone       ND       ug/kg       180       26.       1         Naphthalene       ND       ug/kg       180       30.       1         NDPA/DPA       ND       ug/kg       160       23.       1		1	35.	200	ug/kg		ND	1,4-Dichlorobenzene
2,6-Dinitrotoluene       ND       ug/kg       200       34.       1         Fluoranthene       32       J       ug/kg       120       23.       1         4-Chlorophenyl phenyl ether       ND       ug/kg       200       21.       1         4-Bromophenyl phenyl ether       ND       ug/kg       200       30.       1         Bis(2-chloroisopropyl)ether       ND       ug/kg       240       34.       1         Bis(2-chloroethoxy)methane       ND       ug/kg       220       20.       1         Hexachlorobutadiene       ND       ug/kg       200       29.       1         Hexachlorocyclopentadiene       ND       ug/kg       570       180       1         Hexachloroethane       ND       ug/kg       160       32.       1         Isophorone       ND       ug/kg       180       26.       1         Naphthalene       ND       ug/kg       200       24.       1         Nitrobenzene       ND       ug/kg       180       30.       1         NDPA/DPA       ND       ug/kg       160       23.       1		1	53.	200	ug/kg		ND	3,3'-Dichlorobenzidine
Fluoranthene         32         J         ug/kg         120         23.         1           4-Chlorophenyl phenyl ether         ND         ug/kg         200         21.         1           4-Bromophenyl phenyl ether         ND         ug/kg         200         30.         1           Bis(2-chloroisopropyl)ether         ND         ug/kg         240         34.         1           Bis(2-chloroethoxy)methane         ND         ug/kg         220         20.         1           Hexachlorobutadiene         ND         ug/kg         200         29.         1           Hexachlorocyclopentadiene         ND         ug/kg         570         180         1           Hexachloroethane         ND         ug/kg         160         32.         1           Isophorone         ND         ug/kg         180         26.         1           Naphthalene         ND         ug/kg         200         24.         1           Nitrobenzene         ND         ug/kg         180         30.         1           NDPA/DPA         ND         ug/kg         160         23.         1		1	40.	200	ug/kg		ND	2,4-Dinitrotoluene
4-Chlorophenyl phenyl ether       ND       ug/kg       200       21.       1         4-Bromophenyl phenyl ether       ND       ug/kg       200       30.       1         Bis(2-chloroisopropyl)ether       ND       ug/kg       240       34.       1         Bis(2-chloroethoxy)methane       ND       ug/kg       220       20.       1         Hexachlorobutadiene       ND       ug/kg       200       29.       1         Hexachlorocyclopentadiene       ND       ug/kg       570       180       1         Hexachloroethane       ND       ug/kg       160       32.       1         Isophorone       ND       ug/kg       180       26.       1         Naphthalene       ND       ug/kg       200       24.       1         Nitrobenzene       ND       ug/kg       180       30.       1         NDPA/DPA       ND       ug/kg       160       23.       1		1	34.	200	ug/kg		ND	2,6-Dinitrotoluene
4-Bromophenyl phenyl ether ND ug/kg 200 30. 1  Bis(2-chloroisopropyl)ether ND ug/kg 240 34. 1  Bis(2-chloroethoxy)methane ND ug/kg 220 20. 1  Hexachlorobutadiene ND ug/kg 200 29. 1  Hexachlorocyclopentadiene ND ug/kg 570 180 1  Hexachloroethane ND ug/kg 160 32. 1  Isophorone ND ug/kg 180 26. 1  Naphthalene ND ug/kg 200 24. 1  Nitrobenzene ND ug/kg 180 30. 1  Nitrobenzene ND ug/kg 180 30. 1  NDPA/DPA		1	23.	120	ug/kg	J	32	Fluoranthene
Bis(2-chloroisopropyl)ether         ND         ug/kg         240         34.         1           Bis(2-chloroethoxy)methane         ND         ug/kg         220         20.         1           Hexachlorobutadiene         ND         ug/kg         200         29.         1           Hexachlorocyclopentadiene         ND         ug/kg         570         180         1           Hexachloroethane         ND         ug/kg         160         32.         1           Isophorone         ND         ug/kg         180         26.         1           Naphthalene         ND         ug/kg         200         24.         1           Nitrobenzene         ND         ug/kg         180         30.         1           NDPA/DPA         ND         ug/kg         160         23.         1		1	21.	200	ug/kg		ND	4-Chlorophenyl phenyl ether
Bis(2-chloroethoxy)methane         ND         ug/kg         220         20.         1           Hexachlorobutadiene         ND         ug/kg         200         29.         1           Hexachlorocyclopentadiene         ND         ug/kg         570         180         1           Hexachloroethane         ND         ug/kg         160         32.         1           Isophorone         ND         ug/kg         180         26.         1           Naphthalene         ND         ug/kg         200         24.         1           Nitrobenzene         ND         ug/kg         180         30.         1           NDPA/DPA         ND         ug/kg         160         23.         1		1	30.	200	ug/kg		ND	4-Bromophenyl phenyl ether
Hexachlorobutadiene         ND         ug/kg         200         29.         1           Hexachlorocyclopentadiene         ND         ug/kg         570         180         1           Hexachloroethane         ND         ug/kg         160         32.         1           Isophorone         ND         ug/kg         180         26.         1           Naphthalene         ND         ug/kg         200         24.         1           Nitrobenzene         ND         ug/kg         180         30.         1           NDPA/DPA         ND         ug/kg         160         23.         1		1	34.	240	ug/kg		ND	Bis(2-chloroisopropyl)ether
Hexachlorocyclopentadiene         ND         ug/kg         570         180         1           Hexachloroethane         ND         ug/kg         160         32.         1           Isophorone         ND         ug/kg         180         26.         1           Naphthalene         ND         ug/kg         200         24.         1           Nitrobenzene         ND         ug/kg         180         30.         1           NDPA/DPA         ND         ug/kg         160         23.         1		1	20.	220	ug/kg		ND	Bis(2-chloroethoxy)methane
Hexachloroethane         ND         ug/kg         160         32.         1           Isophorone         ND         ug/kg         180         26.         1           Naphthalene         ND         ug/kg         200         24.         1           Nitrobenzene         ND         ug/kg         180         30.         1           NDPA/DPA         ND         ug/kg         160         23.         1		1	29.	200	ug/kg		ND	Hexachlorobutadiene
Isophorone         ND         ug/kg         180         26.         1           Naphthalene         ND         ug/kg         200         24.         1           Nitrobenzene         ND         ug/kg         180         30.         1           NDPA/DPA         ND         ug/kg         160         23.         1		1	180	570	ug/kg		ND	Hexachlorocyclopentadiene
Naphthalene         ND         ug/kg         200         24.         1           Nitrobenzene         ND         ug/kg         180         30.         1           NDPA/DPA         ND         ug/kg         160         23.         1		1	32.	160	ug/kg		ND	Hexachloroethane
Nitrobenzene         ND         ug/kg         180         30.         1           NDPA/DPA         ND         ug/kg         160         23.         1		1	26.	180	ug/kg		ND	Isophorone
NDPA/DPA ND ug/kg 160 23. 1		1	24.	200	ug/kg		ND	Naphthalene
		1	30.	180	ug/kg		ND	Nitrobenzene
n-Nitrosodi-n-propylamina ND ualka 200 31 1		1	23.	160	ug/kg		ND	NDPA/DPA
i i i i i i i i i i i i i i i i i i i		1	31.	200	ug/kg		ND	n-Nitrosodi-n-propylamine
Bis(2-ethylhexyl)phthalate ND ug/kg 200 69. 1		1	69.	200	ug/kg		ND	Bis(2-ethylhexyl)phthalate
Butyl benzyl phthalate ND ug/kg 200 50. 1		1	50.	200	ug/kg		ND	Butyl benzyl phthalate
Di-n-butylphthalate ND ug/kg 200 38. 1		1	38.	200	ug/kg		ND	Di-n-butylphthalate
Di-n-octylphthalate ND ug/kg 200 68. 1		1	68.	200	ug/kg		ND	Di-n-octylphthalate



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-05 Date Collected: 04/24/25 11:20

Client ID: EB-14 (2.5-3.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - V	Westborough Lab					
S: # 1 14 14	ND		,,	200	40	
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	24	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	28	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1
7 L			. 33			



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-05 Date Collected: 04/24/25 11:20

Client ID: EB-14 (2.5-3.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Semivolatile Organics by GC/MS	- Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1	
Benzoic Acid	ND		ug/kg	650	200	1	
Benzyl Alcohol	ND		ug/kg	200	61.	1	
Carbazole	ND		ug/kg	200	19.	1	
1,4-Dioxane	ND		ug/kg	30	9.2	1	

Tentatively Identified Compounds				
Total TIC Compounds	3740	J	ug/kg	1
Unknown	2260	J	ug/kg	1
Unknown	165	J	ug/kg	1
Unknown	206	J	ug/kg	1
Unknown	262	J	ug/kg	1
Unknown	488	J	ug/kg	1
Unknown	181	J	ug/kg	1
Unknown Ketone	181	J	ug/kg	1

Surrogate	% Recovery	Acceptance Qualifier Criteria	
2-Fluorophenol	114	25-120	
Phenol-d6	106	10-120	
Nitrobenzene-d5	111	23-120	
2-Fluorobiphenyl	101	30-120	
2,4,6-Tribromophenol	133	10-136	
4-Terphenyl-d14	103	18-120	



L2525476

**Project Name:** Lab Number: 34 STATE STREET

Report Date: **Project Number:** 

13968 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-06 Date Collected: 04/24/25 11:30

Date Received: Client ID: 04/24/25 EB-15 (4.5-5.0')

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Extraction Method: EPA 3546 Matrix: Soil **Extraction Date:** 04/29/25 17:53

Analytical Method: 1,8270E Analytical Date: 04/30/25 18:17

Analyst: SMZ 68% Percent Solids:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Wes	tborough Lab					
Acenaphthene	ND		ug/kg	200	26.	1
1,2,4-Trichlorobenzene	ND		ug/kg	250	28.	1
Hexachlorobenzene	ND		ug/kg	150	28.	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	33.	1
2-Chloronaphthalene	ND		ug/kg	250	24.	1
1,2-Dichlorobenzene	ND		ug/kg	250	44.	1
1,3-Dichlorobenzene	ND		ug/kg	250	42.	1
1,4-Dichlorobenzene	ND		ug/kg	250	43.	1
3,3'-Dichlorobenzidine	ND		ug/kg	250	66.	1
2,4-Dinitrotoluene	ND		ug/kg	250	49.	1
2,6-Dinitrotoluene	ND		ug/kg	250	42.	1
Fluoranthene	ND		ug/kg	150	28.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	250	26.	1
4-Bromophenyl phenyl ether	ND		ug/kg	250	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	300	42.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	270	25.	1
Hexachlorobutadiene	ND		ug/kg	250	36.	1
Hexachlorocyclopentadiene	ND		ug/kg	700	220	1
Hexachloroethane	ND		ug/kg	200	40.	1
Isophorone	ND		ug/kg	220	32.	1
Naphthalene	ND		ug/kg	250	30.	1
Nitrobenzene	ND		ug/kg	220	36.	1
NDPA/DPA	ND		ug/kg	200	28.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	250	38.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	250	85.	1
Butyl benzyl phthalate	ND		ug/kg	250	62.	1
Di-n-butylphthalate	ND		ug/kg	250	47.	1
Di-n-octylphthalate	ND		ug/kg	250	84.	1



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-06 Date Collected: 04/24/25 11:30

Client ID: EB-15 (4.5-5.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - \	Westborough Lab					
Diethyl phthalate	ND		ug/kg	250	23.	1
Dimethyl phthalate	ND		ug/kg	250	52.	1
Benzo(a)anthracene	ND		ug/kg	150	28.	1
Benzo(a)pyrene	ND		ug/kg	200	60.	1
Benzo(b)fluoranthene	ND		ug/kg	150	41.	1
Benzo(k)fluoranthene	ND		ug/kg	150	39.	1
Chrysene	ND		ug/kg	150	26.	1
Acenaphthylene	ND		ug/kg	200	38.	1
Anthracene	ND		ug/kg	150	48.	1
Benzo(ghi)perylene	ND		ug/kg	200	29.	1
Fluorene	ND		ug/kg	250	24.	1
Phenanthrene	ND		ug/kg	150	30.	1
Dibenzo(a,h)anthracene	ND		ug/kg	150	28.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	200	34.	1
Pyrene	ND		ug/kg	150	24.	1
Biphenyl	ND		ug/kg	560	32.	1
4-Chloroaniline	ND		ug/kg	250	45.	1
2-Nitroaniline	ND		ug/kg	250	48.	1
3-Nitroaniline	ND		ug/kg	250	46.	1
4-Nitroaniline	ND		ug/kg	250	100	1
Dibenzofuran	ND		ug/kg	250	23.	1
2-Methylnaphthalene	ND		ug/kg	300	30.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	250	26.	1
Acetophenone	ND		ug/kg	250	30.	1
2,4,6-Trichlorophenol	ND		ug/kg	150	47.	1
p-Chloro-m-cresol	ND		ug/kg	250	37.	1
2-Chlorophenol	ND		ug/kg	250	29.	1
2,4-Dichlorophenol	ND		ug/kg	220	40.	1
2,4-Dimethylphenol	ND		ug/kg	250	81.	1
2-Nitrophenol	ND		ug/kg	530	93.	1
4-Nitrophenol	ND		ug/kg	340	100	1
2,4-Dinitrophenol	ND		ug/kg	1200	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	640	120	1
Pentachlorophenol	ND		ug/kg	200	54.	1
Phenol	ND		ug/kg	250	37.	1
2-Methylphenol	ND		ug/kg	250	38.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	350	38.	1



**Project Name:** Lab Number: 34 STATE STREET L2525476

**Project Number:** Report Date: 13968 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-06 Date Collected: 04/24/25 11:30

Client ID: Date Received: 04/24/25 EB-15 (4.5-5.0') Field Prep: Sample Location: 34 STATE STREET, OSSINING, NY Not Specified

Sample Depth:

No Tentatively Identified Compounds

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/M	S - Westborough Lab					
2,4,5-Trichlorophenol	ND		ug/kg	250	47.	1
Benzoic Acid	ND		ug/kg	800	250	1
Benzyl Alcohol	ND		ug/kg	250	75.	1
Carbazole	ND		ug/kg	250	24.	1
1,4-Dioxane	ND		ug/kg	37	11.	1

Tentatively Identified Compounds			
No Tentatively Identified Compounds	ND	ua/ka	1

ug/kg

Surrogate	% Recovery	Acceptance Qualifier Criteria
2-Fluorophenol	108	25-120
Phenol-d6	101	10-120
Nitrobenzene-d5	99	23-120
2-Fluorobiphenyl	98	30-120
2,4,6-Tribromophenol	131	10-136
4-Terphenyl-d14	108	18-120



L2525476

05/08/25

**Project Name:** 34 STATE STREET

**Project Number:** 13968

**SAMPLE RESULTS** 

Lab Number:

Report Date:

Lab ID: L2525476-07 Date Collected: 04/24/25 11:40

Date Received: Client ID: EB-16 (0.5-1.0') 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Extraction Method: EPA 3546 Matrix: Soil **Extraction Date:** 04/29/25 17:53 Analytical Method: 1,8270E

Analytical Date: 04/30/25 18:39

Analyst: SMZ 80% Percent Solids:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - V	Vestborough Lab					
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	20.	1
1,2-Dichlorobenzene	ND		ug/kg	210	37.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	78	J	ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	39.	1
Di-n-octylphthalate	ND		ug/kg	210	70.	1



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-07 Date Collected: 04/24/25 11:40

Client ID: EB-16 (0.5-1.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - We	estborough Lab					
Diethyl phthalate	ND		ug/kg	210	19.	<u> </u>
Dimethyl phthalate	ND		ug/kg	210	44.	<u> </u>
Benzo(a)anthracene	52	J	ug/kg	120	23.	1
Benzo(a)pyrene	62	J	ug/kg	170	51.	1
Benzo(b)fluoranthene	76	J	ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	56	J	ug/kg	120	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	50	J	ug/kg	170	24.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	29	J	ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	40	J	ug/kg	170	29.	1
Pyrene	69	J	ug/kg	120	21.	1
Biphenyl	ND		ug/kg	470	27.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	24.	1
2,4-Dichlorophenol	ND		ug/kg	190	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	68.	1
2-Nitrophenol	ND		ug/kg	450	78.	1
4-Nitrophenol	ND		ug/kg	290	85.	1
2,4-Dinitrophenol	ND		ug/kg	1000	97.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1
71 71			5 5			



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-07 Date Collected: 04/24/25 11:40

Client ID: EB-16 (0.5-1.0') Date Received: 04/24/25
Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/M	S - Westborough Lab					
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	31	9.5	1

Tentatively Identified Compounds				
Total TIC Compounds	856	J	ug/kg	1
Unknown Alkane	168	J	ug/kg	1
Unknown Organic Acid	182	J	ug/kg	1
Unknown	506	J	ug/kg	1

% Recovery	Qualifier	Acceptance Criteria	
109		25-120	
104		10-120	
111		23-120	
101		30-120	
138	Q	10-136	
107		18-120	
	109 104 111 101 138	109 104 111 101 <b>138</b> Q	% Recovery         Qualifier         Criteria           109         25-120           104         10-120           111         23-120           101         30-120           138         Q         10-136



L2525476

05/08/25

**Project Name:** 34 STATE STREET

05/01/25 03:29

**Project Number:** 13968

**SAMPLE RESULTS** 

Lab Number:

Report Date:

Lab ID: L2525476-08 Date Collected: 04/24/25 12:10

Date Received: Client ID: 04/24/25 EB-17 (4.5-5.0')

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Analytical Date:

Extraction Method: EPA 3546 Matrix: Soil **Extraction Date:** 04/29/25 17:53 Analytical Method: 1,8270E

Analyst: SMZ 83% Percent Solids:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - We	stborough Lab					
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-08 Date Collected: 04/24/25 12:10

Client ID: EB-17 (4.5-5.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS -	Westborough Lab					
Diethyl phthalate	ND		ug/kg	190	18.	<u> </u>
Dimethyl phthalate	ND		ug/kg	190	41.	<u> </u>
Benzo(a)anthracene	ND		ug/kg	120	22.	
Benzo(a)pyrene	ND		ug/kg	160	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	38.	1
3-Nitroaniline	ND		ug/kg	190	37.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
7 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			- 33			



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-08 Date Collected: 04/24/25 12:10

Client ID: EB-17 (4.5-5.0') Date Received: 04/24/25
Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Semivolatile Organics by GC/MS	- Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1	
Benzoic Acid	ND		ug/kg	630	200	1	
Benzyl Alcohol	ND		ug/kg	190	60.	1	
Carbazole	ND		ug/kg	190	19.	1	
1,4-Dioxane	ND		ug/kg	29	8.9	1	

Tentatively Identified Compounds				
Total TIC Compounds	374	J	ug/kg	1
Unknown	212	J	ug/kg	1
Unknown Organic Acid	162	J	ug/kg	1

Surrogate	% Recovery	Acceptance Qualifier Criteria	
2-Fluorophenol	115	25-120	
Phenol-d6	117	10-120	
Nitrobenzene-d5	110	23-120	
2-Fluorobiphenyl	117	30-120	
2,4,6-Tribromophenol	95	10-136	
4-Terphenyl-d14	110	18-120	



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-09 Date Collected: 04/24/25 12:00

Client ID: EB-18 (4.5-5.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1.8270E Extraction Date: 04/29/25 17:53

Analytical Method: 1,8270E Extraction Date: 04/29/25 17:53

Analytical Date: 05/01/25 08:22

Analyst: SMZ
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - We	stborough Lab					
Acenaphthene	170		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	3200		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	520		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-09 Date Collected: 04/24/25 12:00

Client ID: EB-18 (4.5-5.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - V	Vestborough Lab					
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	1200		ug/kg	120	23.	1
Benzo(a)pyrene	1200		ug/kg	160	50.	1
Benzo(b)fluoranthene	1600		ug/kg	120	34.	1
Benzo(k)fluoranthene	480		ug/kg	120	32.	1
Chrysene	1200		ug/kg	120	21.	1
Acenaphthylene	100	J	ug/kg	160	31.	1
Anthracene	420		ug/kg	120	40.	1
Benzo(ghi)perylene	910		ug/kg	160	24.	1
Fluorene	200		ug/kg	200	20.	1
Phenanthrene	2300		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	190		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	640		ug/kg	160	28.	1
Pyrene	2600		ug/kg	120	20.	1
Biphenyl	33	J	ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	200		ug/kg	200	19.	1
2-Methylnaphthalene	120	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	980	95.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	98.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-09 Date Collected: 04/24/25 12:00

Client ID: EB-18 (4.5-5.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Semivolatile Organics by GC/MS -	Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1	
Benzoic Acid	ND		ug/kg	660	200	1	
Benzyl Alcohol	ND		ug/kg	200	62.	1	
Carbazole	360		ug/kg	200	20.	1	
1,4-Dioxane	ND		ug/kg	30	9.4	1	

Tentatively Identified Compounds				
Total TIC Compounds	5280	J	ug/kg	1
Unknown	411	J	ug/kg	1
Unknown	562	J	ug/kg	1
Unknown	276	J	ug/kg	1
Unknown	468	J	ug/kg	1
Unknown PAH	201	J	ug/kg	1
Unknown	263	J	ug/kg	1
Unknown PAH	342	J	ug/kg	1
Unknown Alkane	945	J	ug/kg	1
Unknown Organic Acid	644	J	ug/kg	1
Unknown	328	J	ug/kg	1
Unknown	840	J	ug/kg	1

Surrogate	% Recovery	Acceptance Qualifier Criteria
2-Fluorophenol	99	25-120
Phenol-d6	102	10-120
Nitrobenzene-d5	96	23-120
2-Fluorobiphenyl	110	30-120
2,4,6-Tribromophenol	103	10-136
4-Terphenyl-d14	107	18-120



L2525476

05/08/25

04/29/25 17:53

04/24/25

Project Name: 34 STATE STREET

Project Number: 13968

**SAMPLE RESULTS** 

Date Collected: 04/24/25 12:20

Lab Number:

Report Date:

Date Received:

**Extraction Date:** 

Lab ID: L2525476-10 D

Client ID: EB-19 (2.5-3.0')

Sample Location: 34 STATE STREET, OSSINING, NY

Field Prep: Not Specified

Extraction Method: EPA 3546

Sample Depth:

Matrix: Soil Analytical Method: 1,8270E

Analytical Date: 05/01/25 15:42

Analyst: JG Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS	- Westborough Lab					
Acenaphthene	ND		ug/kg	1400	190	10
1,2,4-Trichlorobenzene	ND		ug/kg	1800	210	10
Hexachlorobenzene	ND		ug/kg	1100	200	10
Bis(2-chloroethyl)ether	ND		ug/kg	1600	240	10
2-Chloronaphthalene	ND		ug/kg	1800	180	10
1,2-Dichlorobenzene	ND		ug/kg	1800	320	10
1,3-Dichlorobenzene	ND		ug/kg	1800	310	10
1,4-Dichlorobenzene	ND		ug/kg	1800	320	10
3,3'-Dichlorobenzidine	ND		ug/kg	1800	480	10
2,4-Dinitrotoluene	ND		ug/kg	1800	360	10
2,6-Dinitrotoluene	ND		ug/kg	1800	310	10
Fluoranthene	790	J	ug/kg	1100	210	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1800	190	10
4-Bromophenyl phenyl ether	ND		ug/kg	1800	280	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2200	310	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2000	180	10
Hexachlorobutadiene	ND		ug/kg	1800	260	10
Hexachlorocyclopentadiene	ND		ug/kg	5200	1600	10
Hexachloroethane	ND		ug/kg	1400	290	10
Isophorone	ND		ug/kg	1600	230	10
Naphthalene	ND		ug/kg	1800	220	10
Nitrobenzene	ND		ug/kg	1600	270	10
NDPA/DPA	ND		ug/kg	1400	200	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1800	280	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1800	630	10
Butyl benzyl phthalate	ND		ug/kg	1800	460	10
Di-n-butylphthalate	ND		ug/kg	1800	340	10
Di-n-octylphthalate	ND		ug/kg	1800	620	10



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-10 D Date Collected: 04/24/25 12:20

Client ID: EB-19 (2.5-3.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - V	Vestborough Lab					
			_			
Diethyl phthalate	ND		ug/kg	1800	170	10
Dimethyl phthalate	ND		ug/kg	1800	380	10
Benzo(a)anthracene	510	J	ug/kg	1100	200	10
Benzo(a)pyrene	510	J	ug/kg	1400	440	10
Benzo(b)fluoranthene	590	J	ug/kg	1100	300	10
Benzo(k)fluoranthene	ND		ug/kg	1100	290	10
Chrysene	480	J	ug/kg	1100	190	10
Acenaphthylene	ND		ug/kg	1400	280	10
Anthracene	ND		ug/kg	1100	350	10
Benzo(ghi)perylene	360	J	ug/kg	1400	210	10
Fluorene	ND		ug/kg	1800	180	10
Phenanthrene	390	J	ug/kg	1100	220	10
Dibenzo(a,h)anthracene	ND		ug/kg	1100	210	10
Indeno(1,2,3-cd)pyrene	280	J	ug/kg	1400	250	10
Pyrene	750	J	ug/kg	1100	180	10
Biphenyl	ND		ug/kg	4100	240	10
4-Chloroaniline	ND		ug/kg	1800	330	10
2-Nitroaniline	ND		ug/kg	1800	350	10
3-Nitroaniline	ND		ug/kg	1800	340	10
4-Nitroaniline	ND		ug/kg	1800	750	10
Dibenzofuran	ND		ug/kg	1800	170	10
2-Methylnaphthalene	ND		ug/kg	2200	220	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	190	10
Acetophenone	ND		ug/kg	1800	220	10
2,4,6-Trichlorophenol	ND		ug/kg	1100	340	10
p-Chloro-m-cresol	ND		ug/kg	1800	270	10
2-Chlorophenol	ND		ug/kg	1800	210	10
2,4-Dichlorophenol	ND		ug/kg	1600	290	10
2,4-Dimethylphenol	ND		ug/kg	1800	600	10
2-Nitrophenol	ND		ug/kg	3900	680	10
4-Nitrophenol	ND		ug/kg	2500	740	10
2,4-Dinitrophenol	ND		ug/kg	8700	840	10
4,6-Dinitro-o-cresol	ND		ug/kg	4700	870	10
Pentachlorophenol	ND		ug/kg	1400	400	10
Phenol	ND		ug/kg	1800	270	10
2-Methylphenol	ND		ug/kg	1800	280	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2600	280	10



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-10 D Date Collected: 04/24/25 12:20

Client ID: EB-19 (2.5-3.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Tentatively Identified Compounds

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/M	S - Westborough Lab					
2,4,5-Trichlorophenol	ND		ug/kg	1800	350	10
Benzoic Acid	ND		ug/kg	5900	1800	10
Benzyl Alcohol	ND		ug/kg	1800	550	10
Carbazole	ND		ug/kg	1800	180	10
1.4-Dioxane	ND		ua/ka	270	83.	10

No Tentatively Identified Compounds ND ug/kg					
No Toutetical Adoptificad Commonada	10	kg	ug/kg	ND	No Tentatively Identified Compounds

Surrogate	% Recovery	Acceptance Qualifier Criteria	
2-Fluorophenol	58	25-120	
Phenol-d6	63	10-120	
Nitrobenzene-d5	63	23-120	
2-Fluorobiphenyl	68	30-120	
2,4,6-Tribromophenol	46	10-136	
4-Terphenyl-d14	61	18-120	



Extraction Method: EPA 3546

L2525476

04/29/25 17:11

Lab Number:

Extraction Date:

**Project Name:** 34 STATE STREET

Project Number: 13968 Report Date: 05/08/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/30/25 08:58

Analyst: SMZ

arameter	Result	Qualifier	Units	RL		MDL
emivolatile Organics by GC/MS	- Westborough	Lab for s	sample(s):	01-10	Batch:	WG2060266-1
Acenaphthene	ND		ug/kg	130		17.
1,2,4-Trichlorobenzene	ND		ug/kg	160		19.
Hexachlorobenzene	ND		ug/kg	98		18.
Bis(2-chloroethyl)ether	ND		ug/kg	150		22.
2-Chloronaphthalene	ND		ug/kg	160		16.
1,2-Dichlorobenzene	ND		ug/kg	160		29.
1,3-Dichlorobenzene	ND		ug/kg	160		28.
1,4-Dichlorobenzene	ND		ug/kg	160		28.
3,3'-Dichlorobenzidine	ND		ug/kg	160		43.
2,4-Dinitrotoluene	ND		ug/kg	160		33.
2,6-Dinitrotoluene	ND		ug/kg	160		28.
Fluoranthene	ND		ug/kg	98		19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160		17.
4-Bromophenyl phenyl ether	ND		ug/kg	160		25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200		28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180		16.
Hexachlorobutadiene	ND		ug/kg	160		24.
Hexachlorocyclopentadiene	ND		ug/kg	470		150
Hexachloroethane	ND		ug/kg	130		26.
Isophorone	ND		ug/kg	150		21.
Naphthalene	ND		ug/kg	160		20.
Nitrobenzene	ND		ug/kg	150		24.
NDPA/DPA	ND		ug/kg	130		18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160		25.
Bis(2-ethylhexyl)phthalate	65	J	ug/kg	160		56.
Butyl benzyl phthalate	ND		ug/kg	160		41.
Di-n-butylphthalate	ND		ug/kg	160		31.
Di-n-octylphthalate	ND		ug/kg	160		56.
Diethyl phthalate	ND		ug/kg	160		15.



L2525476

**Project Name:** 34 STATE STREET

Project Number: 13968 Report Da

**Report Date:** 05/08/25

Lab Number:

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E Extraction Method: EPA 3546
Analytical Date: 04/30/25 08:58 Extraction Date: 04/29/25 17:11

Analyst: SMZ

Parameter	Result	Qualifier	Units	RL		MDL
Semivolatile Organics by GC/	MS - Westborough	Lab for s	ample(s):	01-10	Batch:	WG2060266-1
Dimethyl phthalate	ND		ug/kg	160		34.
Benzo(a)anthracene	ND		ug/kg	98		18.
Benzo(a)pyrene	ND		ug/kg	130		40.
Benzo(b)fluoranthene	ND		ug/kg	98		28.
Benzo(k)fluoranthene	ND		ug/kg	98		26.
Chrysene	ND		ug/kg	98		17.
Acenaphthylene	ND		ug/kg	130		25.
Anthracene	ND		ug/kg	98		32.
Benzo(ghi)perylene	ND		ug/kg	130		19.
Fluorene	ND		ug/kg	160		16.
Phenanthrene	ND		ug/kg	98		20.
Dibenzo(a,h)anthracene	ND		ug/kg	98		19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130		23.
Pyrene	ND		ug/kg	98		16.
Biphenyl	ND		ug/kg	370		21.
4-Chloroaniline	ND		ug/kg	160		30.
2-Nitroaniline	ND		ug/kg	160		31.
3-Nitroaniline	ND		ug/kg	160		31.
4-Nitroaniline	ND		ug/kg	160		68.
Dibenzofuran	ND		ug/kg	160		15.
2-Methylnaphthalene	ND		ug/kg	200		20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160		17.
Acetophenone	ND		ug/kg	160		20.
2,4,6-Trichlorophenol	ND		ug/kg	98		31.
p-Chloro-m-cresol	ND		ug/kg	160		24.
2-Chlorophenol	ND		ug/kg	160		19.
2,4-Dichlorophenol	ND		ug/kg	150		26.
2,4-Dimethylphenol	ND		ug/kg	160		54.
2-Nitrophenol	ND		ug/kg	350		61.



Extraction Method: EPA 3546

L2525476

05/08/25

04/29/25 17:11

Lab Number:

Report Date:

Extraction Date:

**Project Name:** 34 STATE STREET

**Project Number:** 13968

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E Analytical Date: 04/30/25 08:58

Analyst: SMZ

Parameter	Result	Qualifier	Units	RL		MDL	
Semivolatile Organics by GC/MS	- Westborough	Lab for sa	ample(s):	01-10	Batch:	WG2060266-1	
4-Nitrophenol	ND		ug/kg	230		67.	
2,4-Dinitrophenol	ND		ug/kg	780		76.	
4,6-Dinitro-o-cresol	ND		ug/kg	420		78.	
Pentachlorophenol	ND		ug/kg	130		36.	
Phenol	ND		ug/kg	160		25.	
2-Methylphenol	ND		ug/kg	160		25.	
3-Methylphenol/4-Methylphenol	ND		ug/kg	240		26.	
2,4,5-Trichlorophenol	ND		ug/kg	160		31.	
Benzoic Acid	ND		ug/kg	530		160	
Benzyl Alcohol	ND		ug/kg	160		50.	
Carbazole	ND		ug/kg	160		16.	
1,4-Dioxane	ND		ug/kg	24		7.5	

Tentatively Identified Compounds			
Total TIC Compounds	6080	J	ug/kg
Unknown	236	J	ug/kg
Unknown	166	J	ug/kg
Unknown	178	J	ug/kg
Unknown	514	J	ug/kg
Unknown	370	J	ug/kg
Unknown	649	J	ug/kg
Unknown	810	J	ug/kg
Unknown	434	J	ug/kg
Unknown Siloxane	133	J	ug/kg



L2525476

**Project Name:** 34 STATE STREET

Project Number: 13968

**Report Date:** 05/08/25

Lab Number:

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E Analytical Date: 04/30/25 08:58

Analyst: SMZ

Extraction Method: EPA 3546
Extraction Date: 04/29/25 17:11

Parameter Result Qualifier Units RL MDL

Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG2060266-1

Tentatively Identified Compounds

Unknown 533 J ug/kg

Surrogate			Acceptance %Recovery Qualifier Criteria
Unknown	681	J	ug/kg
Unknown	562	J	ug/kg

Surrogate	%Recovery Qualifier	Criteria
2-Fluorophenol	54	25-120
Phenol-d6	51	10-120
Nitrobenzene-d5	49	23-120
2-Fluorobiphenyl	47	30-120
2,4,6-Tribromophenol	60	10-136
4-Terphenyl-d14	52	18-120



**Project Name:** 34 STATE STREET

Project Number: 13968

Lab Number: L2525476

**Report Date:** 05/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	RPD Qual Limits	
Semivolatile Organics by GC/MS - Westbo	orough Lab Ass	sociated sam	ple(s): 01-10	Batch:	WG2060266-2	WG2060266-3		
Acenaphthene	52		64		31-137	21	50	
1,2,4-Trichlorobenzene	51		62		38-107	19	50	
Hexachlorobenzene	53		66		40-140	22	50	
Bis(2-chloroethyl)ether	48		57		40-140	17	50	
2-Chloronaphthalene	52		63		40-140	19	50	
1,2-Dichlorobenzene	54		65		40-140	18	50	
1,3-Dichlorobenzene	52		63		40-140	19	50	
1,4-Dichlorobenzene	53		63		28-104	17	50	
3,3'-Dichlorobenzidine	43		55		40-140	24	50	
2,4-Dinitrotoluene	67		83		40-132	21	50	
2,6-Dinitrotoluene	64		81		40-140	23	50	
Fluoranthene	54		66		40-140	20	50	
4-Chlorophenyl phenyl ether	50		62		40-140	21	50	
4-Bromophenyl phenyl ether	52		66		40-140	24	50	
Bis(2-chloroisopropyl)ether	31	Q	37	Q	40-140	18	50	
Bis(2-chloroethoxy)methane	51		61		40-117	18	50	
Hexachlorobutadiene	49		59		40-140	19	50	
Hexachlorocyclopentadiene	70		88		40-140	23	50	
Hexachloroethane	53		66		40-140	22	50	
Isophorone	51		61		40-140	18	50	
Naphthalene	54		67		40-140	21	50	
Nitrobenzene	51		61		40-140	18	50	
NDPA/DPA	53		65		36-157	20	50	



**Project Name:** 34 STATE STREET

Project Number: 13968

Lab Number: L2525476

**Report Date:** 05/08/25

arameter	LCS %Recovery	LCSD Qual %Recovery	%Recovery Qual Limits	RPD	RPD Qual Limits
emivolatile Organics by GC/MS - W	estborough Lab Ass	ociated sample(s): 01-10	Batch: WG2060266-2	WG2060266-3	
n-Nitrosodi-n-propylamine	46	56	32-121	20	50
Bis(2-ethylhexyl)phthalate	68	85	40-140	22	50
Butyl benzyl phthalate	67	80	40-140	18	50
Di-n-butylphthalate	63	76	40-140	19	50
Di-n-octylphthalate	68	83	40-140	20	50
Diethyl phthalate	54	67	40-140	21	50
Dimethyl phthalate	55	68	40-140	21	50
Benzo(a)anthracene	51	63	40-140	21	50
Benzo(a)pyrene	60	72	40-140	18	50
Benzo(b)fluoranthene	52	68	40-140	27	50
Benzo(k)fluoranthene	61	68	40-140	11	50
Chrysene	52	64	40-140	21	50
Acenaphthylene	59	72	40-140	20	50
Anthracene	55	66	40-140	18	50
Benzo(ghi)perylene	56	66	40-140	16	50
Fluorene	53	66	40-140	22	50
Phenanthrene	53	64	40-140	19	50
Dibenzo(a,h)anthracene	53	62	40-140	16	50
Indeno(1,2,3-cd)pyrene	55	64	40-140	15	50
Pyrene	53	63	35-142	17	50
Biphenyl	56	68	37-127	19	50
4-Chloroaniline	42	50	40-140	17	50
2-Nitroaniline	74	90	47-134	20	50



**Project Name:** 34 STATE STREET

Project Number: 13968

Lab Number: L2525476

**Report Date:** 05/08/25

arameter	LCS %Recovery		CSD covery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS -	Westborough Lab Asse	ociated sample(s):	01-10	Batch:	WG2060266-2 W	G2060266-3		
3-Nitroaniline	53		65		26-129	20		50
4-Nitroaniline	66		80		41-125	19		50
Dibenzofuran	51		61		40-140	18		50
2-Methylnaphthalene	52		63		40-140	19		50
1,2,4,5-Tetrachlorobenzene	50		61		40-117	20		50
Acetophenone	56		68		14-144	19		50
2,4,6-Trichlorophenol	59		73		30-130	21		50
p-Chloro-m-cresol	62		75		26-103	19		50
2-Chlorophenol	62		74		25-102	18		50
2,4-Dichlorophenol	60		74		30-130	21		50
2,4-Dimethylphenol	68		81		30-130	17		50
2-Nitrophenol	75		89		30-130	17		50
4-Nitrophenol	57		71		11-114	22		50
2,4-Dinitrophenol	67		84		4-130	23		50
4,6-Dinitro-o-cresol	72		91		10-130	23		50
Pentachlorophenol	56		66		17-109	16		50
Phenol	54		64		26-90	17		50
2-Methylphenol	62		73		30-130.	16		50
3-Methylphenol/4-Methylphenol	65		78		30-130	18		50
2,4,5-Trichlorophenol	60		74		30-130	21		50
Benzoic Acid	56		61		10-110	9		50
Benzyl Alcohol	55		66		40-140	18		50
Carbazole	57		68		54-128	18		50



**Project Name:** 34 STATE STREET

Project Number: 13968

Lab Number:

L2525476

Report Date:

05/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	, RPD	Qual	RPD Limits	
Semivolatile Organics by GC/MS - Westb	orough Lab Asso	ciated sam	nple(s): 01-10	Batch:	WG2060266-2	WG2060266-3			
1,4-Dioxane	36	Q	42		40-140	15		50	

Surrogate	LCS %Recovery Qual	LCSD %Recovery Qual	Acceptance Criteria
2-Fluorophenol	61	66	25-120
Phenol-d6	57	62	10-120
Nitrobenzene-d5	56	62	23-120
2-Fluorobiphenyl	52	58	30-120
2,4,6-Tribromophenol	64	75	10-136
4-Terphenyl-d14	56	60	18-120



### **PCBS**



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-01 Date Collected: 04/24/25 10:20

Client ID: EB-10 (4.5-5.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8082A Extraction Date: 04/29/25 19:50
Analytical Date: 04/30/25 08:59 Cleanup Method: EPA 3665A

Analytical Date: 04/30/25 08:59 Cleanup Method: EPA 3665A
Analyst: EMR Cleanup Date: 04/30/25
Percent Solids: 88% Cleanup Method: EPA 3660B

Cleanup Date: 04/30/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC	- Westborough Lab						
Aroclor 1016	ND		ug/kg	54.4	4.83	1	Α
Aroclor 1221	ND		ug/kg	54.4	5.45	1	Α
Aroclor 1232	ND		ug/kg	54.4	11.5	1	Α
Aroclor 1242	ND		ug/kg	54.4	7.33	1	Α
Aroclor 1248	ND		ug/kg	54.4	8.16	1	Α
Aroclor 1254	ND		ug/kg	54.4	5.95	1	Α
Aroclor 1260	ND		ug/kg	54.4	10.0	1	Α
Aroclor 1262	ND		ug/kg	54.4	6.91	1	Α
Aroclor 1268	ND		ug/kg	54.4	5.64	1	Α
PCBs, Total	ND		ug/kg	54.4	4.83	1	Α

_			Acceptance	
Surrogate	% Recovery	Qualifier	Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	Α
Decachlorobiphenyl	64		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	87		30-150	В
Decachlorobiphenyl	78		30-150	В



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-02 Date Collected: 04/24/25 10:35

Client ID: EB-11 (6.5-7.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8082A Extraction Date: 04/29/25 19:50
Analytical Date: 04/30/25 09:09 Cleanup Method: EPA 3665A

Analyst: EMR Cleanup Date: 04/30/25
Percent Solids: 88% Cleanup Method: EPA 3660B

Cleanup Date: 04/30/25

Parameter	Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column
Polychlorinated Biphenyls by GC - We	estborough Lab						
Aroclor 1016	ND		ug/kg	52.5	4.66	1	Α
Aroclor 1221	ND		ug/kg	52.5	5.26	1	Α
Aroclor 1232	ND		ug/kg	52.5	11.1	1	Α
Aroclor 1242	ND		ug/kg	52.5	7.08	1	Α
Aroclor 1248	ND		ug/kg	52.5	7.88	1	Α
Aroclor 1254	ND		ug/kg	52.5	5.75	1	Α
Aroclor 1260	ND		ug/kg	52.5	9.71	1	Α
Aroclor 1262	ND		ug/kg	52.5	6.67	1	Α
Aroclor 1268	ND		ug/kg	52.5	5.44	1	Α
PCBs, Total	ND		ug/kg	52.5	4.66	1	Α

		Acceptance			
Surrogate	% Recovery	Qualifier	Criteria	Column	
2,4,5,6-Tetrachloro-m-xylene	66		30-150	Α	
Decachlorobiphenyl	46		30-150	Α	
2,4,5,6-Tetrachloro-m-xylene	68		30-150	В	
Decachlorobiphenyl	55		30-150	В	



**Project Name:** Lab Number: 34 STATE STREET L2525476

**Project Number:** 13968 **Report Date:** 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-03 Date Collected: 04/24/25 10:50

Client ID: Date Received: 04/24/25 EB-12 (4.5-5.0') Not Specified

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep:

Sample Depth:

Extraction Method: EPA 3546 Matrix: Soil **Extraction Date:** 04/29/25 19:50 1,8082A Analytical Method: Cleanup Method: EPA 3665A

Analytical Date: 04/30/25 09:19 Cleanup Date: 04/30/25 Analyst: **EMR** Cleanup Method: EPA 3660B 82% Percent Solids:

Cleanup Date: 04/30/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column		
Polychlorinated Biphenyls by GC - Westborough Lab									
Associate 4040	ND			50.0	F 00	4	۸		
Aroclor 1016	ND		ug/kg	58.9	5.23	1	Α		
Aroclor 1221	ND		ug/kg	58.9	5.90	1	Α		
Aroclor 1232	ND		ug/kg	58.9	12.5	1	Α		
Aroclor 1242	ND		ug/kg	58.9	7.94	1	Α		
Aroclor 1248	ND		ug/kg	58.9	8.83	1	Α		
Aroclor 1254	ND		ug/kg	58.9	6.44	1	Α		
Aroclor 1260	ND		ug/kg	58.9	10.9	1	Α		
Aroclor 1262	ND		ug/kg	58.9	7.48	1	Α		
Aroclor 1268	ND		ug/kg	58.9	6.10	1	Α		
PCBs, Total	ND		ug/kg	58.9	5.23	1	Α		

Surrogate	% Recovery	Qualifier	Acceptance		
	% Recovery	Qualifier	Criteria	Column	
2,4,5,6-Tetrachloro-m-xylene	81		30-150	Α	
Decachlorobiphenyl	57		30-150	Α	
2,4,5,6-Tetrachloro-m-xylene	81		30-150	В	
Decachlorobiphenyl	64		30-150	В	



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-04 Date Collected: 04/24/25 11:10

Client ID: EB-13 (2.5-3.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8082A Extraction Date: 04/29/25 19:50

Analytical Date: 04/30/25 09:29 Cleanup Method: EPA 3665A
Analyst: EMR Cleanup Date: 04/30/25

Percent Solids: 75% Cleanup Method: EPA 3660B Cleanup Date: 04/30/25

Parameter	Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column
Polychlorinated Biphenyls by GC - West	borough Lab						
Aroclor 1016	ND		ug/kg	64.1	5.69	1	Α
Aroclor 1221	ND		ug/kg	64.1	6.42	1	Α
Aroclor 1232	ND		ug/kg	64.1	13.6	1	Α
Aroclor 1242	ND		ug/kg	64.1	8.64	1	Α
Aroclor 1248	ND		ug/kg	64.1	9.62	1	Α
Aroclor 1254	ND		ug/kg	64.1	7.01	1	Α
Aroclor 1260	ND		ug/kg	64.1	11.8	1	Α
Aroclor 1262	ND		ug/kg	64.1	8.14	1	Α
Aroclor 1268	ND		ug/kg	64.1	6.64	1	Α
PCBs, Total	ND		ug/kg	64.1	5.69	1	Α

Cumanata	o/ <b>5</b>	0 ""	Acceptance	
Surrogate	% Recovery	Qualifier	Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	Α
Decachlorobiphenyl	45		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	69		30-150	В
Decachlorobiphenyl	53		30-150	В



04/30/25

Cleanup Date:

**Project Name:** 34 STATE STREET Lab Number: L2525476

**Project Number: Report Date:** 13968 05/08/25

**SAMPLE RESULTS** 

Date Collected: Lab ID: L2525476-05 04/24/25 11:20

Client ID: EB-14 (2.5-3.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Extraction Method: EPA 3546 Matrix: Soil **Extraction Date:** 04/29/25 19:50 Analytical Method: 1,8082A Cleanup Method: EPA 3665A

Analytical Date: 04/30/25 09:39 Cleanup Date: 04/30/25 Analyst: **EMR** Cleanup Method: EPA 3660B 83% Percent Solids:

Qualifier Units RLMDL **Parameter** Result **Dilution Factor** Column Polychlorinated Biphenyls by GC - Westborough Lab Aroclor 1016 ND ug/kg 59.7 5.30 1 Α Aroclor 1221 ND ug/kg 59.7 5.98 1 Α Aroclor 1232 ND ug/kg 59.7 12.7 1 Α ND Aroclor 1242 ug/kg 59.7 8.05 1 Α Aroclor 1248 ND ug/kg 59.7 8.96 1 Α Aroclor 1254 ND ug/kg 59.7 6.53 1 Α ND Aroclor 1260 ug/kg 59.7 11.0 1 В Aroclor 1262 ND 59.7 7.58 1 Α ug/kg Aroclor 1268 ND ug/kg 59.7 6.19 1 Α ND В

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	Α
Decachlorobiphenyl	38		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	54		30-150	В
Decachlorobiphenyl	45		30-150	В

ug/kg

59.7

5.30

1



PCBs, Total

Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-06 Date Collected: 04/24/25 11:30

Client ID: EB-15 (4.5-5.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8082A Extraction Date: 04/29/25 19:50

Analytical Date: 04/30/25 09:49

Analyst: EMR

Cleanup Method: EPA 3665A

Cleanup Date: 04/30/25

Percent Solids: 68%

Cleanup Method: EPA 3660B

Cleanup Date: 04/30/25

Parameter	Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column
Polychlorinated Biphenyls by GC - We	stborough Lab						
Aroclor 1016	ND		ug/kg	71.7	6.37	1	Α
Aroclor 1221	ND		ug/kg	71.7	7.19	1	Α
Aroclor 1232	ND		ug/kg	71.7	15.2	1	Α
Aroclor 1242	ND		ug/kg	71.7	9.67	1	Α
Aroclor 1248	ND		ug/kg	71.7	10.8	1	Α
Aroclor 1254	ND		ug/kg	71.7	7.85	1	Α
Aroclor 1260	ND		ug/kg	71.7	13.2	1	Α
Aroclor 1262	ND		ug/kg	71.7	9.11	1	Α
Aroclor 1268	ND		ug/kg	71.7	7.43	1	Α
PCBs, Total	ND		ug/kg	71.7	6.37	1	Α

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	55		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	76		30-150	В
Decachlorobiphenyl	62		30-150	В



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-07 Date Collected: 04/24/25 11:40

Client ID: EB-16 (0.5-1.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8082A Extraction Date: 04/29/25 19:50
Analytical Date: 04/30/25 09:59 Cleanup Method: EPA 3665A

Analyst: EMR Cleanup Date: 04/30/25
Percent Solids: 80% Cleanup Method: EPA 3660B
Cleanup Date: 04/30/25

Parameter	Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column
Polychlorinated Biphenyls by GC - We	estborough Lab						
Aroclor 1016	ND		ug/kg	61.6	5.47	1	Α
Aroclor 1221	ND		ug/kg	61.6	6.17	1	Α
Aroclor 1232	ND		ug/kg	61.6	13.0	1	Α
Aroclor 1242	ND		ug/kg	61.6	8.30	1	Α
Aroclor 1248	ND		ug/kg	61.6	9.23	1	Α
Aroclor 1254	7.01	J	ug/kg	61.6	6.73	1	В
Aroclor 1260	ND		ug/kg	61.6	11.4	1	В
Aroclor 1262	ND		ug/kg	61.6	7.82	1	Α
Aroclor 1268	ND		ug/kg	61.6	6.38	1	Α
PCBs, Total	7.01	J	ug/kg	61.6	5.47	1	В

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	Α
Decachlorobiphenyl	59		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	77		30-150	В
Decachlorobiphenyl	69		30-150	В



**Project Name:** Lab Number: 34 STATE STREET L2525476

**Project Number:** 13968 **Report Date:** 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-08 Date Collected: 04/24/25 12:10

Client ID: Date Received: 04/24/25 EB-17 (4.5-5.0')

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Extraction Method: EPA 3546 Matrix: Soil **Extraction Date:** 04/29/25 19:50 1,8082A Analytical Method: Cleanup Method: EPA 3665A Analytical Date: 04/30/25 10:09

Cleanup Date: 04/30/25 Analyst: **EMR** Cleanup Method: EPA 3660B 83% Percent Solids: Cleanup Date: 04/30/25

Parameter	Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column
Polychlorinated Biphenyls by GC - We	stborough Lab						
Aroclor 1016	ND		ug/kg	59.7	5.30	1	Α
Aroclor 1221	ND		ug/kg	59.7	5.98	1	A
Aroclor 1232	ND		ug/kg	59.7	12.6	1	Α
Aroclor 1242	ND		ug/kg	59.7	8.04	1	Α
Aroclor 1248	ND		ug/kg	59.7	8.95	1	Α
Aroclor 1254	ND		ug/kg	59.7	6.53	1	Α
Aroclor 1260	ND		ug/kg	59.7	11.0	1	Α
Aroclor 1262	ND		ug/kg	59.7	7.58	1	Α
Aroclor 1268	ND		ug/kg	59.7	6.18	1	Α
PCBs, Total	ND		ug/kg	59.7	5.30	1	Α

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	Α
Decachlorobiphenyl	48		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	70		30-150	В
Decachlorobiphenyl	54		30-150	В



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-09 Date Collected: 04/24/25 12:00

Client ID: EB-18 (4.5-5.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8082A Extraction Date: 04/29/25 19:50
Analytical Date: 04/30/25 10:19 Cleanup Method: EPA 3665A

Analyst: EMR Cleanup Date: 04/30/25
Percent Solids: 81% Cleanup Method: EPA 3660B
Cleanup Date: 04/30/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by C	GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	59.9	5.32	1	Α
Aroclor 1221	ND		ug/kg	59.9	6.01	1	Α
Aroclor 1232	ND		ug/kg	59.9	12.7	1	Α
Aroclor 1242	ND		ug/kg	59.9	8.08	1	Α
Aroclor 1248	16.5	J	ug/kg	59.9	8.99	1	В
Aroclor 1254	23.4	J	ug/kg	59.9	6.56	1	В
Aroclor 1260	28.4	J	ug/kg	59.9	11.1	1	В
Aroclor 1262	ND		ug/kg	59.9	7.61	1	Α
Aroclor 1268	ND		ug/kg	59.9	6.21	1	Α
PCBs, Total	68.3	J	ug/kg	59.9	5.32	1	В

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	Α
Decachlorobiphenyl	57		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	73		30-150	В
Decachlorobiphenyl	66		30-150	В



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-10 Date Collected: 04/24/25 12:20

Client ID: EB-19 (2.5-3.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8082A Extraction Date: 04/29/25 19:50

Analytical Date: 04/30/25 10:29 Cleanup Method: EPA 3665A
Analyst: EMR Cleanup Date: 04/30/25
Percent Solids: 90% Cleanup Method: EPA 3660B

Percent Solids: 90% Cleanup Method: EPA 3660 Cleanup Date: 04/30/25

Parameter	Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column
Polychlorinated Biphenyls by GC - V	Westborough Lab						
Aroclor 1016	ND		ug/kg	53.6	4.76	1	Α
Aroclor 1221	ND		ug/kg	53.6	5.37	1	Α
Aroclor 1232	ND		ug/kg	53.6	11.4	1	Α
Aroclor 1242	ND		ug/kg	53.6	7.22	1	Α
Aroclor 1248	20.8	J	ug/kg	53.6	8.03	1	В
Aroclor 1254	32.4	J	ug/kg	53.6	5.86	1	В
Aroclor 1260	ND		ug/kg	53.6	9.90	1	Α
Aroclor 1262	ND		ug/kg	53.6	6.80	1	Α
Aroclor 1268	ND		ug/kg	53.6	5.55	1	Α
PCBs, Total	53.2	J	ug/kg	53.6	4.76	1	Α

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	55		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	72		30-150	В
Decachlorobiphenyl	65		30-150	В



L2525476

Lab Number:

**Project Name:** 34 STATE STREET

**Report Date: Project Number:** 

13968 05/08/25

> **Method Blank Analysis Batch Quality Control**

Analytical Method: 1,8082A Analytical Date: 04/30/25 06:49

Analyst: **EMR** 

Extraction Method: EPA 3546 04/29/25 19:50 **Extraction Date:** Cleanup Method: EPA 3665A Cleanup Date: 04/30/25 Cleanup Method: EPA 3660B Cleanup Date: 04/30/25

Parameter	Result	Qualifier	Units	RL		MDL	Column
Polychlorinated Biphenyls by GC - \	Vestborough	n Lab for s	ample(s):	01-10	Batch:	WG20	60320-1
Aroclor 1016	ND		ug/kg	47.8		4.25	Α
Aroclor 1221	ND		ug/kg	47.8		4.79	Α
Aroclor 1232	ND		ug/kg	47.8		10.1	Α
Aroclor 1242	ND		ug/kg	47.8		6.45	Α
Aroclor 1248	ND		ug/kg	47.8		7.18	Α
Aroclor 1254	ND		ug/kg	47.8		5.23	Α
Aroclor 1260	ND		ug/kg	47.8		8.84	Α
Aroclor 1262	ND		ug/kg	47.8		6.08	Α
Aroclor 1268	ND		ug/kg	47.8		4.96	Α
PCBs, Total	ND		ug/kg	47.8		4.25	Α

		Acceptance			
Surrogate	%Recovery Qualifier	Criteria	Column		
O 45 O Tytoshlov vy vylysy	07	00.450			
2,4,5,6-Tetrachloro-m-xylene	97	30-150	Α		
Decachlorobiphenyl	74	30-150	Α		
2,4,5,6-Tetrachloro-m-xylene	95	30-150	В		
Decachlorobiphenyl	85	30-150	В		



# Lab Control Sample Analysis Batch Quality Control

**Project Name:** 34 STATE STREET

Project Number: 13968

Lab Number:

L2525476

05/08/25

Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - West	oorough Lab Ass	ociated samp	ele(s): 01-10	Batch:	WG2060320-2	WG2060320-3			
Aroclor 1016	80		85		40-140	6		50	Α
Aroclor 1260	76		82		40-140	8		50	Α

	LCS	LCSD	Acceptance
Surrogate	%Recovery Qual	%Recovery Qual	Criteria Column
2,4,5,6-Tetrachloro-m-xylene	91	101	30-150 A
Decachlorobiphenyl	73	81	30-150 A
2,4,5,6-Tetrachloro-m-xylene	92	103	30-150 B
Decachlorobiphenyl	85	95	30-150 B



#### **PESTICIDES**



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-01 Date Collected: 04/24/25 10:20

Client ID: EB-10 (4.5-5.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8081B Extraction Date: 04/29/25 19:10

Analytical Date: 05/01/25 14:35 Cleanup Method: EPA 3620B
Analyst: JAG Cleanup Date: 05/01/25
Percent Solids: 88% Cleanup Method: EPA 3660B

Cleanup Date: 05/01/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - We	estborough Lab						
Delta-BHC	ND		ug/kg	1.75	0.343	1	Α
Lindane	ND		ug/kg	0.730	0.326	1	Α
Alpha-BHC	ND		ug/kg	0.730	0.207	1	Α
Beta-BHC	ND		ug/kg	1.75	0.664	1	Α
Heptachlor	ND		ug/kg	0.875	0.392	1	Α
Aldrin	ND		ug/kg	1.75	0.616	1	Α
Heptachlor epoxide	ND	IP	ug/kg	3.28	0.985	1	В
Endrin	ND		ug/kg	0.730	0.299	1	Α
Endrin aldehyde	ND		ug/kg	2.19	0.766	1	Α
Endrin ketone	ND		ug/kg	1.75	0.451	1	Α
Dieldrin	ND		ug/kg	1.09	0.547	1	Α
4,4'-DDE	2.61		ug/kg	1.75	0.405	1	Α
4,4'-DDD	0.944	J	ug/kg	1.75	0.624	1	В
4,4'-DDT	8.14		ug/kg	1.75	1.41	1	Α
Endosulfan I	ND		ug/kg	1.75	0.414	1	Α
Endosulfan II	ND		ug/kg	1.75	0.585	1	Α
Endosulfan sulfate	ND		ug/kg	0.730	0.347	1	Α
Methoxychlor	ND		ug/kg	3.28	1.02	1	Α
Toxaphene	ND		ug/kg	32.8	9.19	1	Α
cis-Chlordane	6.89	IP	ug/kg	2.19	0.610	1	В
trans-Chlordane	8.29		ug/kg	2.19	0.578	1	Α
Chlordane	61.2		ug/kg	14.6	5.80	1	В



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2525476-01 Date Collected: 04/24/25 10:20

Client ID: EB-10 (4.5-5.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter Result Qualifier Units RL MDL Dilution Factor Column

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	Α
Decachlorobiphenyl	83		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	82		30-150	В
Decachlorobiphenyl	90		30-150	В



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-02 Date Collected: 04/24/25 10:35

Client ID: EB-11 (6.5-7.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8081B Extraction Date: 04/29/25 19:10

Analytical Date: 05/01/25 14:47 Cleanup Method: EPA 3620B
Analyst: JAG Cleanup Date: 05/01/25
Percent Solids: 88% Cleanup Method: EPA 3660B

Percent Solids: 88% Cleanup Method: EPA 3660 Cleanup Date: 05/01/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - We	stborough Lab						
Delta-BHC	ND		ug/kg	1.76	0.344	1	Α
Lindane	ND		ug/kg	0.732	0.327	1	Α
Alpha-BHC	ND		ug/kg	0.732	0.208	1	Α
Beta-BHC	ND		ug/kg	1.76	0.666	1	Α
Heptachlor	ND		ug/kg	0.878	0.394	1	Α
Aldrin	ND		ug/kg	1.76	0.618	1	Α
Heptachlor epoxide	ND		ug/kg	3.29	0.988	1	Α
Endrin	ND		ug/kg	0.732	0.300	1	Α
Endrin aldehyde	ND		ug/kg	2.19	0.768	1	Α
Endrin ketone	ND		ug/kg	1.76	0.452	1	Α
Dieldrin	ND		ug/kg	1.10	0.549	1	Α
4,4'-DDE	ND		ug/kg	1.76	0.406	1	Α
4,4'-DDD	ND		ug/kg	1.76	0.626	1	Α
4,4'-DDT	ND		ug/kg	1.76	1.41	1	Α
Endosulfan I	ND		ug/kg	1.76	0.415	1	Α
Endosulfan II	ND		ug/kg	1.76	0.587	1	Α
Endosulfan sulfate	ND		ug/kg	0.732	0.348	1	Α
Methoxychlor	ND		ug/kg	3.29	1.02	1	Α
Toxaphene	ND		ug/kg	32.9	9.22	1	Α
cis-Chlordane	ND		ug/kg	2.19	0.612	1	Α
trans-Chlordane	ND		ug/kg	2.19	0.579	1	Α
Chlordane	ND		ug/kg	14.6	5.82	1	Α



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2525476-02 Date Collected: 04/24/25 10:35

Client ID: EB-11 (6.5-7.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter Result Qualifier Units RL MDL Dilution Factor Column

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	Α
Decachlorobiphenyl	77		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	83		30-150	В
Decachlorobiphenyl	88		30-150	В



Project Name: 34 STATE STREET L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-03 Date Collected: 04/24/25 10:50

Client ID: EB-12 (4.5-5.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8081B Extraction Date: 04/29/25 19:10

Analytical Date: 05/01/25 14:59 Cleanup Method: EPA 3620B
Analyst: JAG Cleanup Date: 05/01/25
Percent Solids: 82% Cleanup Method: EPA 3660B

Cleanup Date: 05/01/25

Qualifier RL Column **Parameter** Result **Units** MDL **Dilution Factor** Organochlorine Pesticides by GC - Westborough Lab Delta-BHC ND ug/kg 1.83 0.359 1 Α Lindane ND 0.764 0.341 1 Α ug/kg Alpha-BHC ND ug/kg 0.764 0.217 1 Α Beta-BHC ND ug/kg 1.83 0.695 1 Α Heptachlor ND ug/kg 0.916 0.411 1 Α Aldrin ND ug/kg 1.83 0.645 1 Α ND Heptachlor epoxide ug/kg 3.44 1.03 1 Α Endrin ND 0.764 0.313 1 Α ug/kg Endrin aldehyde ND ug/kg 2.29 0.802 1 Α ND Endrin ketone ug/kg 1.83 0.472 1 Α Dieldrin ND 0.573 Α ug/kg 1.14 1 4,4'-DDE ND ug/kg 1.83 0.424 1 Α 4,4'-DDD ND 1.83 0.654 1 Α ug/kg 4,4'-DDT ND 1.83 1.47 1 Α ug/kg ND 1 Endosulfan I ug/kg 1.83 0.433 Α ND Endosulfan II 1.83 0.612 1 Α ug/kg Endosulfan sulfate ND ug/kg 0.764 0.364 1 Α ND Methoxychlor 3.44 1.07 1 Α ug/kg Toxaphene ND ug/kg 34.4 9.62 1 Α ND 1 cis-Chlordane ug/kg 2.29 0.638 Α ND trans-Chlordane 2.29 0.605 1 ug/kg Α Chlordane ND ug/kg 15.3 6.07 1 Α



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2525476-03 Date Collected: 04/24/25 10:50

Client ID: EB-12 (4.5-5.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter Result Qualifier Units RL MDL Dilution Factor Column

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	Α
Decachlorobiphenyl	74		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	80		30-150	В
Decachlorobiphenyl	81		30-150	В



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-04 Date Collected: 04/24/25 11:10

Client ID: EB-13 (2.5-3.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8081B Extraction Date: 04/29/25 19:10
Analytical Date: 05/01/25 15:10 Cleanup Method: EPA 3620B

Analytical Date: 05/01/25 15:10 Cleanup Method: EPA 3620B
Analyst: JAG Cleanup Date: 05/01/25
Percent Solids: 75% Cleanup Method: EPA 3660B

Percent Solids: 75% Cleanup Method: EPA 3660 Cleanup Date: 05/01/25

Parameter	Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column
Organochlorine Pesticides by GC - Westbo	orough Lab						
Delta-BHC	ND		ug/kg	2.10	0.411	1	Α
Lindane	ND		ug/kg	0.874	0.390	1	A
Alpha-BHC	ND		ug/kg	0.874	0.248	1	A
Beta-BHC	ND			2.10	0.246	1	
			ug/kg				Α
Heptachlor	ND		ug/kg	1.05	0.470	1	Α
Aldrin	ND		ug/kg	2.10	0.738	1	Α
Heptachlor epoxide	ND		ug/kg	3.93	1.18	1	Α
Endrin	ND		ug/kg	0.874	0.358	1	Α
Endrin aldehyde	ND		ug/kg	2.62	0.917	1	Α
Endrin ketone	ND		ug/kg	2.10	0.540	1	Α
Dieldrin	ND		ug/kg	1.31	0.655	1	Α
4,4'-DDE	ND		ug/kg	2.10	0.485	1	Α
4,4'-DDD	ND		ug/kg	2.10	0.748	1	Α
4,4'-DDT	ND		ug/kg	2.10	1.69	1	Α
Endosulfan I	ND		ug/kg	2.10	0.495	1	Α
Endosulfan II	ND		ug/kg	2.10	0.701	1	Α
Endosulfan sulfate	ND		ug/kg	0.874	0.416	1	Α
Methoxychlor	ND		ug/kg	3.93	1.22	1	Α
Toxaphene	ND		ug/kg	39.3	11.0	1	Α
cis-Chlordane	ND		ug/kg	2.62	0.730	1	Α
trans-Chlordane	ND		ug/kg	2.62	0.692	1	Α
Chlordane	ND		ug/kg	17.5	6.94	1	Α



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2525476-04 Date Collected: 04/24/25 11:10

Client ID: EB-13 (2.5-3.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter Result Qualifier Units RL MDL Dilution Factor Column

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	Α
Decachlorobiphenyl	70		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	74		30-150	В
Decachlorobiphenyl	78		30-150	В



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-05 Date Collected: 04/24/25 11:20

Client ID: EB-14 (2.5-3.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8081B Extraction Date: 04/29/25 19:10
Analytical Date: 05/01/25 15:22 Cleanup Method: EPA 3620B

Analytical Date: 05/01/25 15:22 Cleanup Method: EPA 3620B
Analyst: JAG Cleanup Date: 05/01/25
Percent Solids: 83% Cleanup Method: EPA 3660B

Cleanup Date: 05/01/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westbore	ough Lab						
Delta-BHC	ND		ua/ka	1.92	0.375	1	Α
			ug/kg				
Lindane	ND		ug/kg	0.799	0.357	1	Α
Alpha-BHC	ND		ug/kg	0.799	0.227	1	Α
Beta-BHC	ND		ug/kg	1.92	0.727	1	Α
Heptachlor	ND		ug/kg	0.958	0.430	1	Α
Aldrin	ND		ug/kg	1.92	0.675	1	Α
Heptachlor epoxide	ND		ug/kg	3.59	1.08	1	Α
Endrin	ND		ug/kg	0.799	0.327	1	Α
Endrin aldehyde	ND		ug/kg	2.40	0.839	1	Α
Endrin ketone	ND		ug/kg	1.92	0.494	1	Α
Dieldrin	ND		ug/kg	1.20	0.599	1	Α
4,4'-DDE	1.98		ug/kg	1.92	0.443	1	Α
4,4'-DDD	ND		ug/kg	1.92	0.684	1	Α
4,4'-DDT	ND	IP	ug/kg	1.92	1.54	1	Α
Endosulfan I	ND		ug/kg	1.92	0.453	1	Α
Endosulfan II	ND		ug/kg	1.92	0.641	1	Α
Endosulfan sulfate	ND		ug/kg	0.799	0.380	1	Α
Methoxychlor	ND		ug/kg	3.59	1.12	1	Α
Toxaphene	ND		ug/kg	35.9	10.1	1	Α
cis-Chlordane	1.21	J	ug/kg	2.40	0.668	1	В
trans-Chlordane	2.40		ug/kg	2.40	0.633	1	В
Chlordane	ND		ug/kg	16.0	6.35	1	Α



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2525476-05 Date Collected: 04/24/25 11:20

Client ID: EB-14 (2.5-3.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

,

Sample Depth:

Parameter Result Qualifier Units RL MDL Dilution Factor Column

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	Α
Decachlorobiphenyl	76		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	76		30-150	В
Decachlorobiphenyl	86		30-150	В



05/01/25

Cleanup Date:

Project Name: 34 STATE STREET L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-06 Date Collected: 04/24/25 11:30

Client ID: EB-15 (4.5-5.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8081B Extraction Date: 04/29/25 19:10
Analytical Date: 05/01/25 15:34 Cleanup Method: EPA 3620B

Analytical Date: 05/01/25 15:34 Cleanup Method: EPA 3620B
Analyst: JAG Cleanup Date: 05/01/25
Percent Solids: 68% Cleanup Method: EPA 3660B

Qualifier RL **Dilution Factor** Column **Parameter** Result **Units** MDL Organochlorine Pesticides by GC - Westborough Lab Delta-BHC ND ug/kg 2.31 0.452 1 Α Lindane ND 0.962 0.430 1 Α ug/kg Alpha-BHC ND ug/kg 0.962 0.273 1 Α Beta-BHC ND ug/kg 2.31 0.875 1 Α Heptachlor ND ug/kg 1.15 0.517 1 Α Aldrin ND ug/kg 2.31 0.813 1 Α ND Heptachlor epoxide ug/kg 4.33 1.30 1 Α Endrin ND 0.962 0.394 1 Α ug/kg Endrin aldehyde ND ug/kg 2.88 1.01 1 Α ND Endrin ketone ug/kg 2.31 0.594 1 Α Dieldrin ND Α ug/kg 1.44 0.721 1 4,4'-DDE ND ug/kg 2.31 0.534 1 Α 4,4'-DDD ND 2.31 0.823 1 Α ug/kg 4,4'-DDT ND 2.31 1.86 1 Α ug/kg ND 1 Endosulfan I ug/kg 2.31 0.545 Α ND Endosulfan II 2.31 0.771 1 Α ug/kg Endosulfan sulfate ND ug/kg 0.962 0.458 1 Α ND Methoxychlor 4.33 1.35 1 Α ug/kg Toxaphene ND 43.3 ug/kg 12.1 1 Α ND 1 cis-Chlordane ug/kg 2.88 0.804 Α ND trans-Chlordane 2.88 0.762 1 ug/kg Α Chlordane ND ug/kg 19.2 7.65 1 Α



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2525476-06 Date Collected: 04/24/25 11:30

Client ID: EB-15 (4.5-5.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter Result Qualifier Units RL MDL Dilution Factor Column

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	Α
Decachlorobiphenyl	70		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	87		30-150	В
Decachlorobiphenyl	96		30-150	В



05/01/25

Cleanup Date:

Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-07 Date Collected: 04/24/25 11:40

Client ID: EB-16 (0.5-1.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8081B Extraction Date: 04/29/25 19:10
Analytical Date: 05/01/25 15:46 Cleanup Method: EPA 3620B

Analytical Date: 05/01/25 15:46 Cleanup Method: EPA 3620B
Analyst: JAG Cleanup Date: 05/01/25
Percent Solids: 80% Cleanup Method: EPA 3660B

Qualifier RL Column **Parameter** Result **Units** MDL **Dilution Factor** Organochlorine Pesticides by GC - Westborough Lab Delta-BHC ND ug/kg 1.91 0.374 1 Α Lindane ND 0.795 0.355 1 Α ug/kg Alpha-BHC ND ug/kg 0.795 0.226 1 Α Beta-BHC ND ug/kg 1.91 0.724 1 Α Heptachlor ND ug/kg 0.954 0.428 1 Α Aldrin ND ug/kg 1.91 0.672 1 Α ND Heptachlor epoxide ug/kg 3.58 1.07 1 Α Endrin ND 0.795 0.326 1 Α ug/kg Endrin aldehyde ND ug/kg 2.38 0.835 1 Α ND Endrin ketone ug/kg 1.91 0.491 1 Α Dieldrin ND 0.596 ug/kg 1.19 1 Α 4,4'-DDE 8.05 ug/kg 1.91 0.441 1 В JIP 4,4'-DDD 1.23 1.91 0.681 1 Α ug/kg 4,4'-DDT 3.04 1.91 1.53 1 В ug/kg ND 1 Endosulfan I ug/kg 1.91 0.451 Α ND Endosulfan II 1.91 0.638 1 Α ug/kg Endosulfan sulfate ND ug/kg 0.795 0.378 1 Α ND Methoxychlor ug/kg 3.58 1.11 1 Α Toxaphene ND 10.0 Α ug/kg 35.8 1 JIP 1 В cis-Chlordane 1.08 ug/kg 2.38 0.665 J trans-Chlordane 1.80 2.38 0.630 1 ug/kg Α Chlordane ND ug/kg 15.9 6.32 1 Α



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2525476-07 Date Collected: 04/24/25 11:40

Client ID: EB-16 (0.5-1.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter Result Qualifier Units RL MDL Dilution Factor Column

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	Α
Decachlorobiphenyl	71		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	87		30-150	В
Decachlorobiphenyl	97		30-150	В



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-08 Date Collected: 04/24/25 12:10

Client ID: EB-17 (4.5-5.0') Date Received: 04/24/25
Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8081B Extraction Date: 04/29/25 19:10
Analytical Date: 05/01/25 15:58 Cleanup Method: EPA 3620B

Analytical Date: 05/01/25 15:58

Analyst: JAG

Percent Solids: 83%

Cleanup Method: EPA 3620B

Cleanup Date: 05/01/25

Cleanup Method: EPA 3660B

Cleanup Date: 05/01/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westbord	ough Lab						
Delta-BHC	ND		ug/kg	1.88	0.367	1	Α
Lindane	ND		ug/kg	0.781	0.349	1	Α
Alpha-BHC	ND		ug/kg	0.781	0.222	1	Α
Beta-BHC	ND		ug/kg	1.88	0.711	1	Α
Heptachlor	ND		ug/kg	0.938	0.420	1	Α
Aldrin	ND		ug/kg	1.88	0.660	1	Α
Heptachlor epoxide	ND		ug/kg	3.52	1.06	1	Α
Endrin	ND		ug/kg	0.781	0.320	1	Α
Endrin aldehyde	ND		ug/kg	2.34	0.820	1	Α
Endrin ketone	ND		ug/kg	1.88	0.483	1	Α
Dieldrin	ND		ug/kg	1.17	0.586	1	Α
4,4'-DDE	1.52	J	ug/kg	1.88	0.434	1	В
4,4'-DDD	ND		ug/kg	1.88	0.669	1	Α
4,4'-DDT	ND		ug/kg	1.88	1.51	1	В
Endosulfan I	ND		ug/kg	1.88	0.443	1	Α
Endosulfan II	ND		ug/kg	1.88	0.627	1	Α
Endosulfan sulfate	ND		ug/kg	0.781	0.372	1	Α
Methoxychlor	ND		ug/kg	3.52	1.09	1	Α
Toxaphene	ND		ug/kg	35.2	9.85	1	Α
cis-Chlordane	ND		ug/kg	2.34	0.653	1	Α
trans-Chlordane	ND		ug/kg	2.34	0.619	1	Α
Chlordane	ND		ug/kg	15.6	6.21	1	Α



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2525476-08 Date Collected: 04/24/25 12:10

Client ID: EB-17 (4.5-5.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

oumple Lecation.

Sample Depth:

Parameter Result Qualifier Units RL MDL Dilution Factor Column

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	Α
Decachlorobiphenyl	77		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	91		30-150	В
Decachlorobiphenyl	98		30-150	В



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-09 Date Collected: 04/24/25 12:00

Client ID: EB-18 (4.5-5.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8081B Extraction Date: 04/29/25 19:10
Analytical Date: 05/01/25 16:10 Cleanup Method: EPA 3620B

Analytical Date: 05/01/25 16:10 Cleanup Method: EPA 3620B
Analyst: JAG Cleanup Date: 05/01/25
Percent Solids: 81% Cleanup Method: EPA 3660B

Cleanup Date: 05/01/25

Parameter	Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column
Organochlorine Pesticides by GC -	Westborough Lab						
Delta-BHC	ND		ug/kg	1.91	0.374	1	Α
Lindane	ND		ug/kg	0.796	0.356	1	Α
Alpha-BHC	ND		ug/kg	0.796	0.226	1	Α
Beta-BHC	ND		ug/kg	1.91	0.724	1	Α
Heptachlor	ND		ug/kg	0.955	0.428	1	Α
Aldrin	ND		ug/kg	1.91	0.673	1	Α
Heptachlor epoxide	ND		ug/kg	3.58	1.07	1	Α
Endrin	ND		ug/kg	0.796	0.326	1	Α
Endrin aldehyde	ND		ug/kg	2.39	0.836	1	Α
Endrin ketone	ND		ug/kg	1.91	0.492	1	Α
Dieldrin	ND		ug/kg	1.19	0.597	1	Α
4,4'-DDE	ND		ug/kg	1.91	0.442	1	Α
4,4'-DDD	ND		ug/kg	1.91	0.681	1	Α
4,4'-DDT	ND	IP	ug/kg	1.91	1.54	1	Α
Endosulfan I	ND		ug/kg	1.91	0.451	1	Α
Endosulfan II	ND		ug/kg	1.91	0.638	1	Α
Endosulfan sulfate	ND		ug/kg	0.796	0.379	1	Α
Methoxychlor	ND		ug/kg	3.58	1.11	1	Α
Toxaphene	ND		ug/kg	35.8	10.0	1	Α
cis-Chlordane	1.08	JIP	ug/kg	2.39	0.666	1	В
trans-Chlordane	2.18	JIP	ug/kg	2.39	0.630	1	Α
Chlordane	ND		ug/kg	15.9	6.33	1	Α



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2525476-09 Date Collected: 04/24/25 12:00

Client ID: EB-18 (4.5-5.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter Result Qualifier Units RL MDL Dilution Factor Column

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	Α
Decachlorobiphenyl	77		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	91		30-150	В
Decachlorobiphenyl	99		30-150	В



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-10 Date Collected: 04/24/25 12:20

Client ID: EB-19 (2.5-3.0') Date Received: 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8081B Extraction Date: 04/29/25 19:10

Analytical Date: 05/01/25 16:22 Cleanup Method: EPA 3620B
Analyst: JAG Cleanup Date: 05/01/25
Percent Solids: 90% Cleanup Method: EPA 3660B

Cleanup Date: 05/01/25

Parameter	Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column
Organochlorine Pesticides by GC - Westbo	orough Lab						
Delta-BHC	ND		ug/kg	1.77	0.347	1	Α
Lindane	ND		ug/kg	0.739	0.330	 1	Α
Alpha-BHC	ND		ug/kg	0.739	0.210	1	A
Beta-BHC	ND		ug/kg	1.77	0.672	1	A
Heptachlor	ND		ug/kg	0.887	0.398	1	A
Aldrin	ND		ug/kg	1.77	0.624	<u>'</u> 1	A
Heptachlor epoxide	ND		ug/kg	3.33	0.024	1	A
Endrin	ND			0.739	0.303	<u>'</u> 1	A
	ND ND		ug/kg				
Endrin aldehyde			ug/kg	2.22	0.776	1	A
Endrin ketone	ND		ug/kg	1.77	0.457	1	Α
Dieldrin	ND		ug/kg	1.11	0.554	1	Α
4,4'-DDE	2.86		ug/kg	1.77	0.410	1	В
4,4'-DDD	ND		ug/kg	1.77	0.633	1	Α
4,4'-DDT	8.80		ug/kg	1.77	1.43	1	В
Endosulfan I	ND		ug/kg	1.77	0.419	1	Α
Endosulfan II	ND		ug/kg	1.77	0.593	1	Α
Endosulfan sulfate	ND		ug/kg	0.739	0.352	1	Α
Methoxychlor	ND		ug/kg	3.33	1.03	1	Α
Toxaphene	ND		ug/kg	33.3	9.31	1	Α
cis-Chlordane	3.93		ug/kg	2.22	0.618	1	Α
trans-Chlordane	3.05		ug/kg	2.22	0.585	1	Α
Chlordane	ND		ug/kg	14.8	5.88	1	Α



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2525476-10 Date Collected: 04/24/25 12:20

Client ID: EB-19 (2.5-3.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter Result Qualifier Units RL MDL Dilution Factor Column

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	Α
Decachlorobiphenyl	59		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	89		30-150	В
Decachlorobiphenyl	92		30-150	В



L2525476

Lab Number:

**Project Name:** 34 STATE STREET

Report Date: **Project Number:** 13968 05/08/25

**Method Blank Analysis** 

**Batch Quality Control** 

Analytical Method: 1,8081B Analytical Date: 04/30/25 16:11

Analyst: JAG

Extraction Method: EPA 3546 04/29/25 19:10 **Extraction Date:** Cleanup Method: EPA 3620B Cleanup Date: 04/30/25 Cleanup Method: EPA 3660B Cleanup Date: 04/30/25

Parameter	Result	Qualifier	Units	RL		MDL	Column
Organochlorine Pesticides by GC -	Westboroug	h Lab for	sample(s):	01-10	Batch:	WG20	60297-1
Delta-BHC	ND		ug/kg	1.54		0.301	Α
Lindane	ND		ug/kg	0.640		0.286	Α
Alpha-BHC	ND		ug/kg	0.640		0.182	Α
Beta-BHC	ND		ug/kg	1.54		0.582	Α
Heptachlor	ND		ug/kg	0.768		0.344	Α
Aldrin	ND		ug/kg	1.54		0.541	Α
Heptachlor epoxide	ND		ug/kg	2.88		0.864	Α
Endrin	ND		ug/kg	0.640		0.262	Α
Endrin aldehyde	ND		ug/kg	1.92		0.672	Α
Endrin ketone	ND		ug/kg	1.54		0.396	Α
Dieldrin	ND		ug/kg	0.960		0.480	Α
4,4'-DDE	ND		ug/kg	1.54		0.355	Α
4,4'-DDD	ND		ug/kg	1.54		0.548	Α
4,4'-DDT	ND		ug/kg	1.54		1.24	Α
Endosulfan I	ND		ug/kg	1.54		0.363	Α
Endosulfan II	ND		ug/kg	1.54		0.513	Α
Endosulfan sulfate	ND		ug/kg	0.640		0.305	Α
Methoxychlor	ND		ug/kg	2.88		0.896	Α
Toxaphene	ND		ug/kg	28.8		8.07	Α
cis-Chlordane	ND		ug/kg	1.92		0.535	Α
trans-Chlordane	ND		ug/kg	1.92		0.507	Α
Chlordane	ND		ug/kg	12.8		5.09	Α



L2525476

**Project Name:** 34 STATE STREET

**Project Number: Report Date:** 13968 05/08/25

Lab Number:

**Method Blank Analysis Batch Quality Control** 

Analytical Method: 1,8081B Analytical Date: 04/30/25 16:11

Analyst: JAG

Extraction Method: EPA 3546 04/29/25 19:10 **Extraction Date:** Cleanup Method: EPA 3620B Cleanup Date: 04/30/25 EPA 3660B Cleanup Method: Cleanup Date: 04/30/25

Column Result Qualifier Units RLMDL **Parameter** Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-10 Batch: WG2060297-1

		Acceptan						
Surrogate	%Recovery	Qualifier	Criteria	Column				
2,4,5,6-Tetrachloro-m-xylene	56		30-150	Α				
Decachlorobiphenyl	60		30-150	Α				
2,4,5,6-Tetrachloro-m-xylene	76		30-150	В				
Decachlorobiphenyl	72		30-150	В				



# Lab Control Sample Analysis Batch Quality Control

**Project Name:** 34 STATE STREET

Project Number: 13968

Lab Number: L2525476

**Report Date:** 05/08/25

arameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - West	borough Lab As	sociated samp	le(s): 01-10	Batch:	WG2060297-2	WG2060297-3			
Delta-BHC	71		96		30-150	30		30	Α
Lindane	81		104		30-150	25		30	Α
Alpha-BHC	75		97		30-150	26		30	Α
Beta-BHC	74		102		30-150	32	Q	30	Α
Heptachlor	83		106		30-150	24		30	А
Aldrin	71		92		30-150	26		30	Α
Heptachlor epoxide	61		80		30-150	27		30	А
Endrin	84		109		30-150	26		30	Α
Endrin aldehyde	68		91		30-150	29		30	Α
Endrin ketone	84		111		30-150	28		30	Α
Dieldrin	87		113		30-150	26		30	Α
4,4'-DDE	68		90		30-150	28		30	А
4,4'-DDD	96		124		30-150	25		30	А
4,4'-DDT	100		132		30-150	28		30	А
Endosulfan I	70		92		30-150	27		30	Α
Endosulfan II	76		99		30-150	26		30	Α
Endosulfan sulfate	70		95		30-150	30		30	Α
Methoxychlor	101		134		30-150	28		30	Α
cis-Chlordane	66		87		30-150	27		30	Α
trans-Chlordane	82		107		30-150	26		30	Α



### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 34 STATE STREET Lab Number:

L2525476

**Project Number:** 13968

Report Date:

05/08/25

	LCS		LCSD		%Recovery			RPD
Parameter	%Recoverv	Qual	%Recovery	Qual	Limits	RPD	Qual	Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-10 Batch: WG2060297-2 WG2060297-3

Surrogate	LCS	LCSD	Acceptance
	%Recovery Qual	I %Recovery Qual	Criteria Column
2,4,5,6-Tetrachloro-m-xylene	52	68	30-150 A
Decachlorobiphenyl	58	80	30-150 A
2,4,5,6-Tetrachloro-m-xylene	68	92	30-150 B
Decachlorobiphenyl	67	96	30-150 B



#### **METALS**



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

 Lab ID:
 L2525476-01
 Date Collected:
 04/24/25 10:20

 Client ID:
 EB-10 (4.5-5.0')
 Date Received:
 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Percent Solids: 88%

Percent Solids: Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Man	sfield Lab										
Aluminum, Total	12900		mg/kg	8.92	2.90	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.46	3.44	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Arsenic, Total	3.63		mg/kg	0.892	0.385	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Barium, Total	116		mg/kg	0.892	0.095	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.591		mg/kg	0.446	0.049	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.194	J	mg/kg	0.892	0.049	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Calcium, Total	4640		mg/kg	8.92	5.06	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Chromium, Total	20.2		mg/kg	0.892	0.756	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Cobalt, Total	8.74		mg/kg	1.78	0.221	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Copper, Total	23.7		mg/kg	0.892	0.202	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Iron, Total	18800		mg/kg	4.46	0.937	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Lead, Total	113		mg/kg	4.46	0.212	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Magnesium, Total	6310		mg/kg	8.92	1.45	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Manganese, Total	826		mg/kg	0.892	0.478	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Mercury, Total	0.051	J	mg/kg	0.074	0.049	1	05/01/25 03:05	05/01/25 11:11	EPA 7471B	1,7471B	CME
Nickel, Total	16.4		mg/kg	2.23	0.721	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Potassium, Total	2170		mg/kg	223	45.2	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.78	0.294	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.446	0.266	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Sodium, Total	ND		mg/kg	178	94.6	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.78	0.805	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Vanadium, Total	26.4		mg/kg	0.892	0.135	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC
Zinc, Total	85.4		mg/kg	4.46	0.541	2	05/01/25 02:45	05/01/25 13:41	EPA 3050B	1,6010D	DMC



Project Name:34 STATE STREETLab Number:L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

 Lab ID:
 L2525476-02
 Date Collected:
 04/24/25 10:35

 Client ID:
 EB-11 (6.5-7.0')
 Date Received:
 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Percent Solids: 88%

Percent Solids:	88%					Dilution	Date	Date	Prep	Analytical	
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Method	Analyst
Total Metals - Mans	sfield Lab										
Aluminum, Total	11600		mg/kg	8.59	2.79	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.29	3.31	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Arsenic, Total	4.42		mg/kg	0.859	0.371	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Barium, Total	51.4		mg/kg	0.859	0.091	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.417	J	mg/kg	0.429	0.047	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.204	J	mg/kg	0.859	0.047	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Calcium, Total	1350		mg/kg	8.59	4.87	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Chromium, Total	13.7		mg/kg	0.859	0.728	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Cobalt, Total	7.46		mg/kg	1.72	0.213	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Copper, Total	16.9		mg/kg	0.859	0.195	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Iron, Total	17500		mg/kg	4.29	0.902	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Lead, Total	18.5		mg/kg	4.29	0.204	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Magnesium, Total	4380		mg/kg	8.59	1.40	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Manganese, Total	419		mg/kg	0.859	0.460	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.083	0.054	1	05/01/25 03:05	05/01/25 11:15	EPA 7471B	1,7471B	CME
Nickel, Total	13.4		mg/kg	2.15	0.694	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Potassium, Total	536		mg/kg	215	43.5	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.72	0.282	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Silver, Total	0.276	J	mg/kg	0.429	0.256	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Sodium, Total	ND		mg/kg	172	91.0	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.72	0.775	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Vanadium, Total	19.7		mg/kg	0.859	0.130	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC
Zinc, Total	43.8		mg/kg	4.29	0.520	2	05/01/25 02:45	05/01/25 13:45	EPA 3050B	1,6010D	DMC



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

 Lab ID:
 L2525476-03
 Date Collected:
 04/24/25 10:50

 Client ID:
 EB-12 (4.5-5.0')
 Date Received:
 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Man	sfield Lab										
Aluminum, Total	14100		mg/kg	9.67	3.14	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.84	3.72	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Arsenic, Total	5.47		mg/kg	0.967	0.418	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Barium, Total	45.3		mg/kg	0.967	0.102	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.484		mg/kg	0.484	0.053	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.192	J	mg/kg	0.967	0.053	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Calcium, Total	835		mg/kg	9.67	5.48	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Chromium, Total	15.6		mg/kg	0.967	0.820	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Cobalt, Total	8.48		mg/kg	1.93	0.240	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Copper, Total	22.0		mg/kg	0.967	0.220	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Iron, Total	21500		mg/kg	4.84	1.02	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Lead, Total	42.6		mg/kg	4.84	0.230	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Magnesium, Total	4860		mg/kg	9.67	1.58	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Manganese, Total	412		mg/kg	0.967	0.518	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.082	0.054	1	05/01/25 03:05	05/01/25 11:24	EPA 7471B	1,7471B	CME
Nickel, Total	16.6		mg/kg	2.42	0.781	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Potassium, Total	856		mg/kg	242	49.0	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.93	0.318	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.484	0.288	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Sodium, Total	ND		mg/kg	193	102.	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.93	0.872	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Vanadium, Total	24.9		mg/kg	0.967	0.146	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC
Zinc, Total	42.7		mg/kg	4.84	0.586	2	05/01/25 02:45	05/01/25 13:49	EPA 3050B	1,6010D	DMC



Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

 Lab ID:
 L2525476-04
 Date Collected:
 04/24/25 11:10

 Client ID:
 EB-13 (2.5-3.0')
 Date Received:
 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Percent Solids: 75%

Percent Solids: Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mans	sfield Lab										
Aluminum, Total	11300		mg/kg	10.5	3.42	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	5.26	4.05	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Arsenic, Total	4.42		mg/kg	1.05	0.454	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Barium, Total	38.7		mg/kg	1.05	0.111	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.433	J	mg/kg	0.526	0.058	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.210	J	mg/kg	1.05	0.058	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Calcium, Total	595		mg/kg	10.5	5.96	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Chromium, Total	14.0		mg/kg	1.05	0.891	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Cobalt, Total	7.48		mg/kg	2.10	0.261	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Copper, Total	17.9		mg/kg	1.05	0.239	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Iron, Total	18200		mg/kg	5.26	1.10	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Lead, Total	12.5		mg/kg	5.26	0.250	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Magnesium, Total	4100		mg/kg	10.5	1.71	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Manganese, Total	392		mg/kg	1.05	0.563	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.086	0.056	1	05/01/25 03:05	05/01/25 11:28	EPA 7471B	1,7471B	CME
Nickel, Total	13.8		mg/kg	2.63	0.849	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Potassium, Total	602		mg/kg	263	53.3	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	2.10	0.346	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.526	0.313	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Sodium, Total	ND		mg/kg	210	111.	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	2.10	0.948	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Vanadium, Total	20.4		mg/kg	1.05	0.159	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC
Zinc, Total	41.3		mg/kg	5.26	0.637	2	05/01/25 02:45	05/01/25 13:54	EPA 3050B	1,6010D	DMC



Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

 Lab ID:
 L2525476-05
 Date Collected:
 04/24/25 11:20

 Client ID:
 EB-14 (2.5-3.0')
 Date Received:
 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Percent Solids: 83%

Dilution Date Date Prep **Analytical** Method Qualifier Factor **Prepared** Analyzed Method **Parameter** Result Units MDL RL Analyst Total Metals - Mansfield Lab Aluminum, Total 29900 mg/kg 9.46 3.08 2 05/01/25 02:45 05/01/25 13:58 EPA 3050B 1,6010D DMC ND 2 1,6010D DMC Antimony, Total mg/kg 4.73 3.64 05/01/25 02:45 05/01/25 13:58 EPA 3050B Arsenic, Total 6.41 mg/kg 0.946 0.409 2 05/01/25 02:45 05/01/25 13:58 EPA 3050B 1,6010D DMC 2 Barium, Total 53.1 0.946 0.100 05/01/25 02:45 05/01/25 13:58 EPA 3050B 1,6010D DMC mg/kg 0.052 2 1,6010D DMC Beryllium, Total 2.43 mg/kg 0.473 05/01/25 02:45 05/01/25 13:58 EPA 3050B J 0.052 2 1,6010D DMC Cadmium, Total 0.430 mg/kg 0.946 05/01/25 02:45 05/01/25 13:58 EPA 3050B Calcium, Total 2730 9.46 5.37 2 05/01/25 02:45 05/01/25 13:58 EPA 3050B 1,6010D mg/kg **DMC** 2 1,6010D 31.9 0.946 0.803 05/01/25 02:45 05/01/25 13:58 EPA 3050B **DMC** Chromium, Total mg/kg 2 1,6010D Cobalt, Total 10.2 mg/kg 1.89 0.235 05/01/25 02:45 05/01/25 13:58 EPA 3050B **DMC** 1,6010D Copper, Total 27.0 0.946 0.215 2 05/01/25 02:45 05/01/25 13:58 EPA 3050B DMC mg/kg 4.73 2 1,6010D DMC 27600 0.994 05/01/25 02:45 05/01/25 13:58 EPA 3050B Iron, Total mg/kg 2 Lead, Total 74.5 mg/kg 4.73 0.225 05/01/25 02:45 05/01/25 13:58 EPA 3050B 1,6010D DMC 39200 9.46 1.54 2 05/01/25 02:45 05/01/25 13:58 EPA 3050B 1,6010D **DMC** Magnesium, Total mg/kg 0.507 2 1,6010D **DMC** Manganese, Total 853 mg/kg 0.946 05/01/25 02:45 05/01/25 13:58 EPA 3050B J Mercury, Total 0.069 mg/kg 0.084 0.055 1 05/01/25 03:05 05/01/25 11:31 EPA 7471B 1,7471B CME Nickel, Total 20.0 2.37 0.765 2 05/01/25 02:45 05/01/25 13:58 EPA 3050B 1,6010D DMC mg/kg 2 1,6010D DMC Potassium, Total 621 mg/kg 237 48.0 05/01/25 02:45 05/01/25 13:58 EPA 3050B Selenium, Total ND mg/kg 1.89 0.311 2 05/01/25 02:45 05/01/25 13:58 EPA 3050B 1,6010D **DMC** Silver, Total 0.500 mg/kg 0.473 0.282 2 05/01/25 02:45 05/01/25 13:58 EPA 3050B 1,6010D **DMC** Sodium, Total ND mg/kg 189 100. 2 05/01/25 02:45 05/01/25 13:58 EPA 3050B 1,6010D DMC Thallium, Total ND 1.89 0.854 2 05/01/25 02:45 05/01/25 13:58 EPA 3050B 1,6010D DMC mg/kg 53.7 2 05/01/25 02:45 05/01/25 13:58 EPA 3050B 1,6010D DMC Vanadium, Total mg/kg 0.946 0.143 2 1,6010D 86.3 0.574 DMC Zinc, Total mg/kg 4.73 05/01/25 02:45 05/01/25 13:58 EPA 3050B



Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

 Lab ID:
 L2525476-06
 Date Collected:
 04/24/25 11:30

 Client ID:
 EB-15 (4.5-5.0')
 Date Received:
 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Percent Solids: 68%

Percent Solids:	68%					Dilution Factor	Date	Date	Prep Method	Analytical Method	
Parameter	Result	Qualifier	Units	RL	MDL	гастог	Prepared	Analyzed	wethou	Wethou	Analyst
Total Metals - Mans	field Lab										
Aluminum, Total	37800		mg/kg	11.4	3.72	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	5.72	4.41	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC
Arsenic, Total	4.08		mg/kg	1.14	0.495	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC
Barium, Total	44.7		mg/kg	1.14	0.121	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.895		mg/kg	0.572	0.063	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.740	J	mg/kg	1.14	0.063	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC
Calcium, Total	10400		mg/kg	11.4	6.49	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC
Chromium, Total	32.0		mg/kg	1.14	0.971	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC
Cobalt, Total	8.42		mg/kg	2.29	0.284	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC
Copper, Total	126		mg/kg	1.14	0.260	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC
Iron, Total	34900		mg/kg	5.72	1.20	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC
Lead, Total	7.93		mg/kg	5.72	0.272	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC
Magnesium, Total	91200		mg/kg	22.9	3.73	4	05/01/25 02:45	05/01/25 14:36	EPA 3050B	1,6010D	DMC
Manganese, Total	881		mg/kg	1.14	0.614	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.099	0.065	1	05/01/25 03:05	05/01/25 11:34	EPA 7471B	1,7471B	CME
Nickel, Total	18.8		mg/kg	2.86	0.925	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC
Potassium, Total	548		mg/kg	286	58.0	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	2.29	0.377	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC
Silver, Total	0.524	J	mg/kg	0.572	0.341	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC
Sodium, Total	ND		mg/kg	229	121.	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC
Thallium, Total	1.28	J	mg/kg	2.29	1.03	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC
Vanadium, Total	70.6		mg/kg	1.14	0.173	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC
Zinc, Total	131		mg/kg	5.72	0.694	2	05/01/25 02:45	05/01/25 14:03	EPA 3050B	1,6010D	DMC



Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

 Lab ID:
 L2525476-07
 Date Collected:
 04/24/25 11:40

 Client ID:
 EB-16 (0.5-1.0')
 Date Received:
 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Percent Solids: 80%

Percent Solids:	80%					Dilution	Date	Date	Prep	Analytical Method	
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Wethou	Analyst
Total Metals - Man	sfield Lab										
Aluminum, Total	7120		mg/kg	9.69	3.15	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.85	3.73	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Arsenic, Total	2.87		mg/kg	0.969	0.419	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Barium, Total	60.0		mg/kg	0.969	0.103	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.262	J	mg/kg	0.485	0.053	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.094	J	mg/kg	0.969	0.053	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Calcium, Total	15500		mg/kg	9.69	5.50	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Chromium, Total	17.6		mg/kg	0.969	0.822	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Cobalt, Total	5.53		mg/kg	1.94	0.240	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Copper, Total	19.4		mg/kg	0.969	0.220	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Iron, Total	11100		mg/kg	4.85	1.02	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Lead, Total	29.7		mg/kg	4.85	0.231	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Magnesium, Total	12200		mg/kg	9.69	1.58	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Manganese, Total	278		mg/kg	0.969	0.520	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Mercury, Total	0.074	J	mg/kg	0.080	0.052	1	05/01/25 03:05	05/01/25 11:38	EPA 7471B	1,7471B	CME
Nickel, Total	14.4		mg/kg	2.42	0.783	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Potassium, Total	1640		mg/kg	242	49.1	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.94	0.319	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.485	0.289	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Sodium, Total	ND		mg/kg	194	103.	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.94	0.874	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Vanadium, Total	20.4		mg/kg	0.969	0.146	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC
Zinc, Total	41.5		mg/kg	4.85	0.587	2	05/01/25 02:45	05/01/25 14:07	EPA 3050B	1,6010D	DMC



Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

 Lab ID:
 L2525476-08
 Date Collected:
 04/24/25 12:10

 Client ID:
 EB-17 (4.5-5.0')
 Date Received:
 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Percent Solids: 83%

Percent Solids:	83%					Dilution	Date	Date	Prep	Analytical	
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Method	Analyst
Total Metals - Mans	sfield Lab										
Aluminum, Total	14200		mg/kg	9.35	3.04	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.67	3.60	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Arsenic, Total	4.08		mg/kg	0.935	0.404	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Barium, Total	71.3		mg/kg	0.935	0.099	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.759		mg/kg	0.467	0.051	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.186	J	mg/kg	0.935	0.051	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Calcium, Total	583		mg/kg	9.35	5.30	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Chromium, Total	15.2		mg/kg	0.935	0.792	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Cobalt, Total	7.37		mg/kg	1.87	0.232	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Copper, Total	14.2		mg/kg	0.935	0.212	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Iron, Total	17600		mg/kg	4.67	0.981	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Lead, Total	39.4		mg/kg	4.67	0.222	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Magnesium, Total	6730		mg/kg	9.35	1.52	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Manganese, Total	718		mg/kg	0.935	0.501	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Mercury, Total	0.114		mg/kg	0.080	0.052	1	05/01/25 03:05	05/01/25 11:41	EPA 7471B	1,7471B	CME
Nickel, Total	13.8		mg/kg	2.34	0.755	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Potassium, Total	537		mg/kg	234	47.4	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.87	0.307	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Silver, Total	0.371	J	mg/kg	0.467	0.278	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Sodium, Total	ND		mg/kg	187	99.1	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.87	0.843	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Vanadium, Total	22.7		mg/kg	0.935	0.141	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC
Zinc, Total	57.2		mg/kg	4.67	0.566	2	05/01/25 02:45	05/01/25 14:22	EPA 3050B	1,6010D	DMC



Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

 Lab ID:
 L2525476-09
 Date Collected:
 04/24/25 12:00

 Client ID:
 EB-18 (4.5-5.0')
 Date Received:
 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Percent Solids: 81%

Percent Solids:	81%					Dilution	Date	Date	Prep	Analytical Method	
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Wethou	Analyst
Total Metals - Mans	sfield Lab										
Aluminum, Total	6720		mg/kg	9.32	3.03	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.66	3.59	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Arsenic, Total	3.50		mg/kg	0.932	0.402	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Barium, Total	54.3		mg/kg	0.932	0.099	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.261	J	mg/kg	0.466	0.051	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.122	J	mg/kg	0.932	0.051	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Calcium, Total	12100		mg/kg	9.32	5.28	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Chromium, Total	15.7		mg/kg	0.932	0.790	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Cobalt, Total	4.75		mg/kg	1.86	0.231	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Copper, Total	16.7		mg/kg	0.932	0.212	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Iron, Total	10200		mg/kg	4.66	0.978	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Lead, Total	38.9		mg/kg	4.66	0.222	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Magnesium, Total	10300		mg/kg	9.32	1.52	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Manganese, Total	236		mg/kg	0.932	0.499	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Mercury, Total	0.070	J	mg/kg	0.081	0.053	1	05/01/25 03:05	05/01/25 11:44	EPA 7471B	1,7471B	CME
Nickel, Total	11.8		mg/kg	2.33	0.753	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Potassium, Total	1320		mg/kg	233	47.2	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.86	0.306	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Silver, Total	0.289	J	mg/kg	0.466	0.278	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Sodium, Total	ND		mg/kg	186	98.8	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.86	0.840	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Vanadium, Total	18.8		mg/kg	0.932	0.141	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC
Zinc, Total	44.0		mg/kg	4.66	0.565	2	05/01/25 02:45	05/01/25 14:27	EPA 3050B	1,6010D	DMC



Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

 Lab ID:
 L2525476-10
 Date Collected:
 04/24/25 12:20

 Client ID:
 EB-19 (2.5-3.0')
 Date Received:
 04/24/25

Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Percent Solids: 90%

Percent Solids:	90%					Dilution	Date	Date	Prep	Analytical	
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Method	Analyst
Total Metals - Mans	sfield Lab										
Aluminum, Total	8360		mg/kg	8.75	2.84	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.37	3.37	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Arsenic, Total	4.36		mg/kg	0.875	0.378	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Barium, Total	80.4		mg/kg	0.875	0.093	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.326	J	mg/kg	0.437	0.048	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.127	J	mg/kg	0.875	0.048	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Calcium, Total	30000		mg/kg	8.75	4.96	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Chromium, Total	20.0		mg/kg	0.875	0.742	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Cobalt, Total	8.18		mg/kg	1.75	0.217	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Copper, Total	36.6		mg/kg	0.875	0.198	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Iron, Total	14300		mg/kg	4.37	0.918	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Lead, Total	89.4		mg/kg	4.37	0.208	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Magnesium, Total	17500		mg/kg	8.75	1.42	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Manganese, Total	283		mg/kg	0.875	0.469	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Mercury, Total	0.324		mg/kg	0.075	0.049	1	05/01/25 03:05	05/01/25 11:48	EPA 7471B	1,7471B	CME
Nickel, Total	24.9		mg/kg	2.19	0.707	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Potassium, Total	2660		mg/kg	219	44.3	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.75	0.288	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Silver, Total	0.283	J	mg/kg	0.437	0.261	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Sodium, Total	ND		mg/kg	175	92.7	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.75	0.789	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Vanadium, Total	25.4		mg/kg	0.875	0.132	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC
Zinc, Total	77.1		mg/kg	4.37	0.530	2	05/01/25 02:45	05/01/25 14:32	EPA 3050B	1,6010D	DMC



L2525476

Lab Number:

**Project Name:** 34 STATE STREET

Project Number: 13968 **Report Date:** 

05/08/25

# Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield	Lab for sample(s)	: 01-10 B	atch: W	G20608	54-1				
Aluminum, Total	ND	mg/kg	4.00	1.30	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Antimony, Total	ND	mg/kg	2.00	1.54	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Arsenic, Total	ND	mg/kg	0.400	0.173	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Barium, Total	ND	mg/kg	0.400	0.042	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Beryllium, Total	ND	mg/kg	0.200	0.022	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Cadmium, Total	ND	mg/kg	0.400	0.022	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Calcium, Total	ND	mg/kg	4.00	2.27	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Chromium, Total	ND	mg/kg	0.400	0.339	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Cobalt, Total	ND	mg/kg	0.800	0.099	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Copper, Total	ND	mg/kg	0.400	0.091	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Iron, Total	0.879 J	mg/kg	2.00	0.420	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Lead, Total	ND	mg/kg	2.00	0.095	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Magnesium, Total	ND	mg/kg	4.00	0.652	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Manganese, Total	ND	mg/kg	0.400	0.214	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Nickel, Total	ND	mg/kg	1.00	0.323	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Potassium, Total	ND	mg/kg	100	20.3	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Selenium, Total	ND	mg/kg	0.800	0.132	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Silver, Total	ND	mg/kg	0.200	0.119	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Sodium, Total	ND	mg/kg	80.0	42.4	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Thallium, Total	ND	mg/kg	0.800	0.361	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Vanadium, Total	ND	mg/kg	0.400	0.060	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC
Zinc, Total	ND	mg/kg	2.00	0.242	1	05/01/25 02:45	05/01/25 12:27	1,6010D	DMC

**Prep Information** 

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	
Total Metals - Mans	field Lab for sample(s):	01-10 B	atch: W	G20608	56-1				
Mercury, Total	ND	mg/kg	0.083	0.054	1	05/01/25 03:05	05/01/25 10:23	1,7471B	CME



**Project Name:** 34 STATE STREET **Lab Number:** L2525476

Project Number: 13968 Report Date: 05/08/25

Method Blank Analysis Batch Quality Control

**Prep Information** 

Digestion Method: EPA 7471B



### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 34 STATE STREET

Project Number: 13968

Lab Number: L2525476

**Report Date:** 05/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sam	ple(s): 01-10	Batch: WO	G2060854-2					
Aluminum, Total	112		-		80-120	-		
Antimony, Total	114		-		80-120	-		
Arsenic, Total	114		-		80-120	-		
Barium, Total	111		-		80-120	-		
Beryllium, Total	112		-		80-120	-		
Cadmium, Total	110		-		80-120	-		
Calcium, Total	111		-		80-120	-		
Chromium, Total	111		-		80-120	-		
Cobalt, Total	112		-		80-120	-		
Copper, Total	115		-		80-120	-		
Iron, Total	112		-		80-120	-		
Lead, Total	114		-		80-120	-		
Magnesium, Total	111		-		80-120	-		
Manganese, Total	111		-		80-120	-		
Nickel, Total	112		-		80-120	-		
Potassium, Total	112		-		80-120	-		
Selenium, Total	114		-		80-120	-		
Silver, Total	112		-		80-120	-		
Sodium, Total	110		-		80-120	-		
Thallium, Total	114		-		80-120	-		
Vanadium, Total	116		-		80-120	-		



### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 34 STATE STREET

Project Number: 13968

Lab Number:

L2525476

Report Date:

05/08/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab /	Associated sample(s): 01-10	Batch: WG2060854-2			
Zinc, Total	112	-	80-120	-	
Total Metals - Mansfield Lab	Associated sample(s): 01-10	Batch: WG2060856-2			
Mercury, Total	94	-	80-120	-	



### Matrix Spike Analysis Batch Quality Control

**Project Name:** 34 STATE STREET

Project Number: 13968

Lab Number: L2525476

**Report Date:** 05/08/25

arameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery Qu	Recovery al Limits	RPD Qual	RPD Limits
otal Metals - Mansfield Lab	Associated sar	mple(s): 01-10	QC Ba	tch ID: WG2060	0854-3	QC Sam	ple: L2525266-02	Client ID: MS	Sample	
Aluminum, Total	3580	169	4650	634	Q	-	-	75-125	-	20
Antimony, Total	ND	42.2	29.0	69	Q	-	-	75-125	-	20
Arsenic, Total	2.18	10.1	14.0	117		-	-	75-125	-	20
Barium, Total	22.9	169	202	106		-	-	75-125	-	20
Beryllium, Total	0.196J	4.22	4.64	110		-	-	75-125	-	20
Cadmium, Total	0.047J	4.47	4.41	98		-	-	75-125	-	20
Calcium, Total	12800	844	19200	758	Q	-	-	75-125	-	20
Chromium, Total	6.66	16.9	24.3	104		-	-	75-125	-	20
Cobalt, Total	2.71	42.2	45.0	100		-	-	75-125	-	20
Copper, Total	9.15	21.1	34.7	121		-	-	75-125	-	20
Iron, Total	4980	84.4	5780	948	Q	-	-	75-125	-	20
Lead, Total	20.3	44.7	68.0	107		-	-	75-125	-	20
Magnesium, Total	2410	844	4660	266	Q	-	-	75-125	-	20
Manganese, Total	108	42.2	190	194	Q	-	-	75-125	-	20
Nickel, Total	16.6	42.2	57.4	97		-	-	75-125	-	20
Potassium, Total	375	844	1430	125		-	-	75-125	-	20
Selenium, Total	ND	10.1	11.0	109		-	-	75-125	-	20
Silver, Total	ND	4.22	4.60	109		-	-	75-125	-	20
Sodium, Total	219	844	1210	117		-	-	75-125	-	20
Thallium, Total	ND	10.1	10.9	108		-	-	75-125	-	20
Vanadium, Total	8.81	42.2	54.9	109		-	-	75-125	-	20



### Matrix Spike Analysis Batch Quality Control

**Project Name:** 34 STATE STREET

Project Number: 13968

Lab Number:

L2525476

Report Date:

05/08/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab A	ssociated sam	ple(s): 01-10	QC Bat	tch ID: WG2060854-3	QC Sam	nple: L2525266-02	Client ID: MS	S Sample	
Zinc, Total	28.8	42.2	76.6	113	-	-	75-125	-	20
Total Metals - Mansfield Lab A	ssociated sam	ple(s): 01-10	QC Bat	tch ID: WG2060856-3	QC Sam	nple: L2525266-02	Client ID: MS	S Sample	
Mercury, Total	ND	1.43	1.36	95	-	-	80-120	-	20



## Lab Duplicate Analysis Batch Quality Control

**Project Name:** 34 STATE STREET

Project Number: 13968

**Lab Number:** L2525476

**Report Date:** 05/08/25

arameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
otal Metals - Mansfield Lab Associated sample(s): 01-	10 QC Batch ID: WG	2060854-4 QC Sample:	L2525266-02	Client ID:	DUP Sam	ple
Aluminum, Total	3580	4760	mg/kg	28	Q	20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	2.18	2.42	mg/kg	10		20
Barium, Total	22.9	31.5	mg/kg	32	Q	20
Beryllium, Total	0.196J	0.259J	mg/kg	NC		20
Cadmium, Total	0.047J	ND	mg/kg	NC		20
Calcium, Total	12800	20000	mg/kg	44	Q	20
Chromium, Total	6.66	8.14	mg/kg	20		20
Cobalt, Total	2.71	3.44	mg/kg	24	Q	20
Copper, Total	9.15	11.4	mg/kg	22	Q	20
Iron, Total	4980	6140	mg/kg	21	Q	20
Lead, Total	20.3	17.6	mg/kg	14		20
Magnesium, Total	2410	4130	mg/kg	53	Q	20
Manganese, Total	108	146	mg/kg	30	Q	20
Nickel, Total	16.6	17.0	mg/kg	2		20
Potassium, Total	375	530	mg/kg	34	Q	20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	219	294	mg/kg	29	Q	20



## Lab Duplicate Analysis Batch Quality Control

**Project Name:** 34 STATE STREET

Project Number: 13968

Lab Number:

L2525476

Report Date:

05/08/25

Parameter	N	lative Sample	Duplica	ite Sample	Units	RPD	RP	D Limits
Total Metals - Mansfield Lab Ass	sociated sample(s): 01-10	QC Batch ID:	WG2060854-4	QC Sample:	L2525266-02	Client ID:	DUP Sample	
Thallium, Total		ND		ND	mg/kg	NC		20
Vanadium, Total		8.81		11.1	mg/kg	23	Q	20
Zinc, Total		28.8		35.8	mg/kg	22	Q	20
Total Metals - Mansfield Lab Ass	sociated sample(s): 01-10	QC Batch ID:	WG2060856-4	QC Sample:	L2525266-02	Client ID:	DUP Sample	
Mercury, Total		ND		ND	mg/kg	NC		20



## INORGANICS & MISCELLANEOUS



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-01 Date Collected: 04/24/25 10:20

Client ID: EB-10 (4.5-5.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - W	estborough Lat	)								
Solids, Total	87.7		%	0.100	NA	1	-	04/26/25 12:11	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.22	1	04/30/25 19:00	05/01/25 14:48	1,9010C/9012B	JER



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-02 Date Collected: 04/24/25 10:35

Client ID: EB-11 (6.5-7.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier (	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	estborough Lab	)								
Solids, Total	87.8		%	0.100	NA	1	-	04/26/25 12:11	121,2540G	ROI
Cyanide, Total	ND	n	ng/kg	1.1	0.23	1	04/30/25 19:00	05/01/25 14:51	1,9010C/9012B	JER



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-03 Date Collected: 04/24/25 10:50

Client ID: EB-12 (4.5-5.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	stborough Lab	)								
Solids, Total	82.2		%	0.100	NA	1	-	04/26/25 12:11	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	04/30/25 19:00	05/01/25 14:52	1,9010C/9012B	JER



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-04 Date Collected: 04/24/25 11:10

Client ID: EB-13 (2.5-3.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - W	estborough Lab	)							
Solids, Total	75.2	%	0.100	NA	1	-	04/26/25 12:11	121,2540G	ROI
Cyanide, Total	ND	mg/kg	1.3	0.27	1	04/30/25 19:00	05/01/25 14:53	1,9010C/9012B	JER



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-05 Date Collected: 04/24/25 11:20

Client ID: EB-14 (2.5-3.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - W	estborough Lab	)								
Solids, Total	82.8		%	0.100	NA	1	-	04/26/25 12:11	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	04/30/25 19:00	05/01/25 14:54	1,9010C/9012B	JER



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-06 Date Collected: 04/24/25 11:30

Client ID: EB-15 (4.5-5.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - W	estborough Lab	)								
Solids, Total	67.6		%	0.100	NA	1	-	04/26/25 12:11	121,2540G	ROI
Cyanide, Total	ND	r	mg/kg	1.4	0.30	1	04/30/25 19:00	05/01/25 14:55	1,9010C/9012B	JER



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-07 Date Collected: 04/24/25 11:40

Client ID: EB-16 (0.5-1.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - W	estborough Lab	)								
Solids, Total	80.1		%	0.100	NA	1	-	04/26/25 12:41	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.2	0.26	1	04/30/25 19:00	05/01/25 14:56	1,9010C/9012B	JER



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-08 Date Collected: 04/24/25 12:10

Client ID: EB-17 (4.5-5.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier U	Inits	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	estborough Lab	)								
Solids, Total	83.2		%	0.100	NA	1	-	04/26/25 12:41	121,2540G	ROI
Cyanide, Total	ND	m	ıg/kg	1.1	0.24	1	04/30/25 19:00	05/01/25 14:59	1,9010C/9012B	JER



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-09 Date Collected: 04/24/25 12:00

Client ID: EB-18 (4.5-5.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	stborough Lal	)								
Solids, Total	81.3		%	0.100	NA	1	-	04/26/25 12:41	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	04/30/25 19:00	05/01/25 15:00	1,9010C/9012B	JER



Project Name: 34 STATE STREET Lab Number: L2525476

Project Number: 13968 Report Date: 05/08/25

**SAMPLE RESULTS** 

Lab ID: L2525476-10 Date Collected: 04/24/25 12:20

Client ID: EB-19 (2.5-3.0') Date Received: 04/24/25 Sample Location: 34 STATE STREET, OSSINING, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - W	estborough Lab	)								
Solids, Total	89.6		%	0.100	NA	1	-	04/26/25 12:41	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	04/30/25 19:00	05/01/25 15:01	1,9010C/9012B	JER



Lab Number:

**Project Name:** 34 STATE STREET

L2525476

Project Number: 13968 **Report Date:** 05/08/25

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - \	Westborough Lab for sam	ple(s): 01	-10 Ba	tch: W0	G2060814-	1			
Cyanide, Total	ND	mg/kg	0.92	0.20	1	04/30/25 19:00	05/01/25 14:36	1,9010C/9012	2B JER



## Lab Control Sample Analysis Batch Quality Control

**Project Name:** 34 STATE STREET

Project Number: 13968

Lab Number:

L2525476

Report Date:

05/08/25

Parameter	LCS %Recovery Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual RPD Limits	
General Chemistry - Westborough Lab	Associated sample(s): 01-10	Batch: WG206087	14-2 WG2	2060814-3			
Cyanide, Total	81	90		80-120	9	35	



### Matrix Spike Analysis Batch Quality Control

**Project Name:** 34 STATE STREET

Project Number: 13968

Lab Number:

L2525476

Report Date:

05/08/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Recovery Qual Limits	RPD Q	RPD <sub>ual</sub> Limits
General Chemistry - Westboron Sample	ugh Lab Asso	ciated samp	le(s): 01-10	QC Batch II	D: WG20	060814-4	WG2060814-5	QC Sample: L25	525363-01	Client ID: MS
Cyanide, Total	ND	12	11	91		11	90	75-125	1	35
General Chemistry - Westborot EB-10 (4.5-5.0')	ugh Lab Asso	ciated samp	le(s): 01-10	QC Batch II	D: WG20	060814-6	WG2060814-7	QC Sample: L25	525476-01	Client ID:
Cyanide, Total	ND	10	9.8	92		11	97	75-125	5	35



## Lab Duplicate Analysis Batch Quality Control

Lab Number:

L2525476

Report Date:

05/08/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Association	ciated sample(s): 01-06 QC Ba	atch ID: WG2058980-1	QC Sample: L	2525145-01	Client ID: D	OUP Sample
Solids, Total	83.2	81.9	%	2		20
General Chemistry - Westborough Lab Asso	ciated sample(s): 07-10 QC Ba	atch ID: WG2058983-1	QC Sample: L	.2524381-11	Client ID: D	UP Sample
Solids, Total	92.3	92.4	%	0		20



**Project Name:** 

Project Number: 13968

34 STATE STREET

Project Name: 34 STATE STREET

Project Number: 13968

**Lab Number:** L2525476 **Report Date:** 05/08/25

### Sample Receipt and Container Information

YES Were project specific reporting limits specified?

**Cooler Information** 

**Custody Seal** Cooler

Absent Α В Absent С Absent

Container Information				Initial	Final	Temp			Frozen			
	Container ID	Container Type	Cooler	рН	рН	deg C	Pres	Seal	Date/Time	Analysis(*)		
	L2525476-01A	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)		
	L2525476-01B	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)		
	L2525476-01C	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)		
	L2525476-01D	Plastic 2oz unpreserved for TS	С	NA		5.4	Υ	Absent		TS(7)		
	L2525476-01E	Metals Only-Glass 60mL/2oz unpreserved	С	NA		5.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG- TI(180),CR-TI(180),NI-TI(180),AL- TI(180),TL-TI(180),PB-TI(180),CU- TI(180),SE-TI(180),ZN-TI(180),SB- TI(180),V-TI(180),CO-TI(180),HG- T(28),MG-TI(180),FE-TI(180),MN- TI(180),K-TI(180),CA-TI(180),NA- TI(180),CD-TI(180)		
	L2525476-01F	Glass 250ml/8oz unpreserved	С	NA		5.4	Υ	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)		
	L2525476-01X	Vial MeOH preserved split	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)		
	L2525476-01Y	Vial Water preserved split	С	NA		5.4	Υ	Absent	26-APR-25 06:03	NYTCL-8260HLW(14)		
	L2525476-01Z	Vial Water preserved split	С	NA		5.4	Υ	Absent	26-APR-25 06:03	NYTCL-8260HLW(14)		
	L2525476-02A	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)		
	L2525476-02B	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)		
	L2525476-02C	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)		
	L2525476-02D	Plastic 2oz unpreserved for TS	С	NA		5.4	Υ	Absent		TS(7)		



Lab Number: L2525476

**Report Date:** 05/08/25

**Project Name:** 34 STATE STREET

Containe	er Info	ormation		Initial	Final	Temp			Frozen	
Containe	er ID	Container Type	Cooler	рН	pН	deg C	Pres	Seal	Date/Time	Analysis(*)
L2525476-0	02E	Metals Only-Glass 60mL/2oz unpreserved	С	NA		5.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2525476-0	02F	Glass 250ml/8oz unpreserved	С	NA		5.4	Υ	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2525476-0	02X	Vial MeOH preserved split	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-0	02Y	Vial Water preserved split	С	NA		5.4	Υ	Absent	26-APR-25 06:03	NYTCL-8260HLW(14)
L2525476-0	02Z	Vial Water preserved split	С	NA		5.4	Υ	Absent	26-APR-25 06:03	NYTCL-8260HLW(14)
L2525476-0	03A	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-0	03B	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-0	03C	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-0	03D	Plastic 2oz unpreserved for TS	С	NA		5.4	Υ	Absent		TS(7)
L2525476-0	03E	Metals Only-Glass 60mL/2oz unpreserved	С	NA		5.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG- TI(180),AL-TI(180),CR-TI(180),NI- TI(180),TL-TI(180),PB-TI(180),SB- TI(180),ZN-TI(180),SE-TI(180),CU- TI(180),CO-TI(180),V-TI(180),MG- TI(180),FE-TI(180),HG-T(28),MN- TI(180),NA-TI(180),K-TI(180),CA- TI(180),CD-TI(180)
L2525476-0	03F	Glass 250ml/8oz unpreserved	С	NA		5.4	Υ	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2525476-0	03X	Vial MeOH preserved split	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-0	03Y	Vial Water preserved split	С	NA		5.4	Υ	Absent	26-APR-25 06:03	NYTCL-8260HLW(14)
L2525476-0	03Z	Vial Water preserved split	С	NA		5.4	Υ	Absent	26-APR-25 06:03	NYTCL-8260HLW(14)
L2525476-0	04A	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-0	04B	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-0	04C	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-0	04D	Plastic 2oz unpreserved for TS	С	NA		5.4	Υ	Absent		TS(7)



Lab Number: L2525476

Report Date: 05/08/25

**Project Name:** 34 STATE STREET

Container Info		Initial	Final	Temp			Frozen		
Container ID	Container Type	Cooler	рН	pН	deg C	Pres	Seal	Date/Time	Analysis(*)
L2525476-04E	Metals Only-Glass 60mL/2oz unpreserved	С	NA		5.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),ZI-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2525476-04F	Glass 250ml/8oz unpreserved	С	NA		5.4	Υ	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2525476-04X	Vial MeOH preserved split	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-04Y	Vial Water preserved split	С	NA		5.4	Υ	Absent	26-APR-25 06:05	NYTCL-8260HLW(14)
L2525476-04Z	Vial Water preserved split	С	NA		5.4	Υ	Absent	26-APR-25 06:05	NYTCL-8260HLW(14)
L2525476-05A	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-05B	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-05C	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-05D	Plastic 2oz unpreserved for TS	С	NA		5.4	Υ	Absent		TS(7)
L2525476-05E	Metals Only-Glass 60mL/2oz unpreserved	С	NA		5.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG- TI(180),NI-TI(180),CR-TI(180),AL- TI(180),TL-TI(180),CU-TI(180),PB- TI(180),SB-TI(180),SE-TI(180),ZN- TI(180),CO-TI(180),V-TI(180),MN- TI(180),FE-TI(180),HG-T(28),MG-TI(180),K- TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2525476-05F	Glass 250ml/8oz unpreserved	С	NA		5.4	Υ	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2525476-05X	Vial MeOH preserved split	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-05Y	Vial Water preserved split	С	NA		5.4	Υ	Absent	26-APR-25 06:05	NYTCL-8260HLW(14)
L2525476-05Z	Vial Water preserved split	С	NA		5.4	Υ	Absent	26-APR-25 06:05	NYTCL-8260HLW(14)
L2525476-06A	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-06B	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-06C	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-06D	Plastic 2oz unpreserved for TS	С	NA		5.4	Υ	Absent		TS(7)



Lab Number: L2525476

**Report Date:** 05/08/25

**Project Name:** 34 STATE STREET

Container Info	ormation		Initial	Final	Temp			Frozen	
Container ID	Container Type	Cooler	рН	рН	deg C	Pres	Seal	Date/Time	Analysis(*)
L2525476-06E	Metals Only-Glass 60mL/2oz unpreserved	С	NA		5.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),CD-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2525476-06F	Glass 250ml/8oz unpreserved	С	NA		5.4	Υ	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2525476-06X	Vial MeOH preserved split	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-06Y	Vial Water preserved split	С	NA		5.4	Υ	Absent	26-APR-25 06:05	NYTCL-8260HLW(14)
L2525476-06Z	Vial Water preserved split	С	NA		5.4	Υ	Absent	26-APR-25 06:05	NYTCL-8260HLW(14)
L2525476-07A	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-07B	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-07C	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-07D	Plastic 2oz unpreserved for TS	С	NA		5.4	Υ	Absent		TS(7)
L2525476-07E	Metals Only-Glass 60mL/2oz unpreserved	С	NA		5.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG- TI(180),AL-TI(180),TL-TI(180),CR- TI(180),NI-TI(180),ZN-TI(180),CU- TI(180),PB-TI(180),SB-TI(180),SE- TI(180),V-TI(180),CO-TI(180),HG- T(28),MN-TI(180),FE-TI(180),MG- TI(180),CA-TI(180),NA-TI(180),K- TI(180),CD-TI(180)
L2525476-07F	Glass 250ml/8oz unpreserved	С	NA		5.4	Υ	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2525476-07X	Vial MeOH preserved split	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-07Y	Vial Water preserved split	С	NA		5.4	Υ	Absent	26-APR-25 06:05	NYTCL-8260HLW(14)
L2525476-07Z	Vial Water preserved split	С	NA		5.4	Υ	Absent	26-APR-25 06:05	NYTCL-8260HLW(14)
L2525476-08A	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-08B	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-08C	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-08D	Plastic 2oz unpreserved for TS	С	NA		5.4	Υ	Absent		TS(7)



Lab Number: L2525476

Report Date: 05/08/25

**Project Name:** 34 STATE STREET

Container Info	ormation		Initial	Final	Temp			Frozen	
Container ID	Container Type	Cooler		pН		Pres	Seal	Date/Time	Analysis(*)
L2525476-08E	Metals Only-Glass 60mL/2oz unpreserved	С	NA		5.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG- TI(180),CR-TI(180),NI-TI(180),TL- TI(180),AL-TI(180),ZN-TI(180),CU- TI(180),SE-TI(180),PB-TI(180),SB- TI(180),CO-TI(180),V-TI(180),MG- TI(180),MN-TI(180),HG-T(28),FE-TI(180),K- TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2525476-08F	Glass 250ml/8oz unpreserved	С	NA		5.4	Υ	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2525476-08X	Vial MeOH preserved split	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-08Y	Vial Water preserved split	С	NA		5.4	Υ	Absent	26-APR-25 06:05	NYTCL-8260HLW(14)
L2525476-08Z	Vial Water preserved split	С	NA		5.4	Υ	Absent	26-APR-25 06:05	NYTCL-8260HLW(14)
L2525476-09A	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-09B	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-09C	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-09D	Plastic 2oz unpreserved for TS	С	NA		5.4	Υ	Absent		TS(7)
L2525476-09E	Metals Only-Glass 60mL/2oz unpreserved	С	NA		5.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG- TI(180),TL-TI(180),CR-TI(180),AL- TI(180),NI-TI(180),SE-TI(180),SB- TI(180),CU-TI(180),PB-TI(180),ZN- TI(180),CO-TI(180),V-TI(180),HG- T(28),MG-TI(180),FE-TI(180),MN- TI(180),K-TI(180),NA-TI(180),CA- TI(180),CD-TI(180)
L2525476-09F	Glass 250ml/8oz unpreserved	С	NA		5.4	Υ	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2525476-09X	Vial MeOH preserved split	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-09Y	Vial Water preserved split	С	NA		5.4	Υ	Absent	26-APR-25 06:05	NYTCL-8260HLW(14)
L2525476-09Z	Vial Water preserved split	С	NA		5.4	Υ	Absent	26-APR-25 06:05	NYTCL-8260HLW(14)
L2525476-10A	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-10B	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-10C	5 gram Encore Sampler	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-10D	Plastic 2oz unpreserved for TS	С	NA		5.4	Υ	Absent		TS(7)



Lab Number: L2525476

Report Date: 05/08/25

**Project Name:** 34 STATE STREET

Container Information			Initial	Final	inal Temp			Frozen	
Container ID	Container Type	Cooler	рН	pH pH		Pres	Seal	Date/Time	Analysis(*)
L2525476-10E	Metals Only-Glass 60mL/2oz unpreserved	С	NA		5.4	Υ	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2525476-10F	Glass 250ml/8oz unpreserved	С	NA		5.4	Υ	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2525476-10X	Vial MeOH preserved split	С	NA		5.4	Υ	Absent		NYTCL-8260HLW(14)
L2525476-10Y	Vial Water preserved split	С	NA		5.4	Υ	Absent	26-APR-25 06:05	NYTCL-8260HLW(14)
L2525476-10Z	Vial Water preserved split	С	NA		5.4	Υ	Absent	26-APR-25 06:05	NYTCL-8260HLW(14)



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#### **GLOSSARY**

#### Acronyms

LOQ

MS

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 Microsystection (SPME)

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.)

- 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.

- 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.

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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.
- 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).
- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- 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.
- 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

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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.
- 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.)

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Project Number: 13968 Report Date: 05/08/25

#### **REFERENCES**

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 LLC** 

Facility: Northeast

Department: Quality Assurance

Title: Certificate/Approval Program Summary

ID No.:**17873** Revision 27

Published Date: 01/24/2025

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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: lodomethane (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,

 ${\sf EPA~180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B}$ 

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 II, 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

Document Type: Form Pre-Qualtrax Document ID: 08-113

**Pace Analytical Services LLC** 

Facility: Northeast

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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.

Document Type: Form

Pre-Qualtrax Document ID: 08-113

NEW YORK **NEW JERSEY** Service Centers Page Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Date Rec'd CHAIN OF Albany, NY 12205: 14 Walker Way of in Lab 41/25 CUSTODY Tonawanda, NY 14150: 275 Cooper Ave, Suite 105 Westborough, MA 01581 Mansfield, MA 02048 Project Information Deliverables Billing Information o 8 Walkup Dr. 320 Forbes Blvd TEL: 508-898-9220 TEL: 508-822-9300 Project Name: 34 State Street NJ Full / Reduced X Same as Client Info FAX: 508-898-9193 FAX: 508-822-3288 Project Location: OSSining NY EQuIS (1 File) EQuIS (4 File) PO# Client Information Project # 13969 X Other ASR-P Client: SEST (Use Project name as Project #) Regulatory Requirement Site Information Address: 959 Route 4LE Project Manager: Fuad Dahan Is this site impacted by SRS Residential/Non Residential Petroleum? Yes Parsipping, NJ ALPHAQuote #: SRS Impact to Groundwater Phone: 973- 868 - 9050 Turn-Around Time NJ Ground Water Quality Standards Petroleum Product: Standard X Fax NJ IGW SPLP Leachate Criteria Due Date: Email: Fd (a Sesi, or a Rush (only if pre approved) # of Days: Other These samples have been previously analyzed by Alpha ANALYSIS Sample Filtration For EPH, selection is For VOC, selection Other project specific requirements/comments: Done REQUIRED: is REQUIRED: Lab to do Please specify Metals or TAL. Preservation Category 1 1,4-Dioxane Category 2 Lab to do 8011 (Please Specify below) ALPHA Lab ID Collection Sample Sampler's Sample ID Matrix Initials Date Time Sample Specific Comments 4 24 202 10:20 J-R.N 6.5-7.0 10:40 4.5-5.01 10:50 (2.5-3.0 11:10 11:20 Do Do 4.5-5.0 11:30 0-5-1-0 11:40 4.5-5.0 12:10 12:00 EB 12:20 Preservative Code: Container Code Westboro: Certification No: MA935 A = None P = Plastic Container Type Please print clearly, legibly B = HCI A = Amber Glass Mansfield: Certification No: MA015 and completely. Samples can C = HNO. V = Vial not be logged in and D = H<sub>2</sub>SO<sub>4</sub> G = Glass Preservative turnaround time clock will not B = Bacteria Cup E = NaOH start until any ambiguities are C = Cube F = MeOH Relinquished By: Date/Time Received By resolved. BY EXECUTING Date/Time O = Other G = NaHSO, THIS COC, THE CLIENT E = Encore Dahas Die mboly H = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> D = BOD Bottle HAS READ AND AGREES K/E = Zn Ac/NaOH **70 BE BOUND BY ALPHA'S** O = Other TERMS & CONDITIONS. (See reverse side.) Form No: 01-14 HC (rev. 30-Sept-2013).