Construction Completion Report (CCR) for Concrete Pad for New HVAC Capital Improvement Project

Passenger Terminal HVAC-1 and HVAC-2 Upgrades

Westchester County Airport

Site No. C360174

West Harrison, New York

October 1, 2026 | Terracon Project No. JA257006

Prepared for:

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Geotechnical
Materials

CERTIFICATION

I, Michele Patterson-Wittman, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Construction Completion Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and Green Remediation (DER-31).



_____
Michele Patterson-Wittman, P. G.
P.G. No. 1776

10/1/2026
_____
Date

I, Lucas A. Barroso-Giachetti, certify I am currently a NYS Registered Professional Engineer and that this Construction Completion Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and Green Remediation (DER-31).

p.p. 

_____
Lucas A. Barroso-Giachetti, P.E.
New York Registration Number: 111815

10/1/2026
_____
Date

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1.0 PROJECT BACKGROUND

Terracon Consultants – NY, Inc. (Terracon) has prepared this Construction Completion Report (CCR) for the installation of a new concrete pad associated with a capital improvement project to include the Passenger Terminal Heating, Ventilation and Air Conditioning (HVAC) units HVAC-1 and HVAC-2 Upgrades project (HVAC Project) located within the Westchester County Airport (the "Airport" or "Site"). The Site is located at 240 Airport Road in West Harrison, Westchester County, New York (**Exhibit 1** and **Exhibit 2** in **Appendix A**).

The Site is currently in the New York State (NYS) Brownfield Cleanup Program (BCP) as Site No. C360174, which is administered by New York State Department of Environmental Conservation (NYSDEC or Department). The work was completed in accordance with the department approved IRM Work Plan for Concrete Pad for New HVAC Capital Improvement Project Passenger Terminal HVAC-1 and HVAC-2 Upgrades dated June 27, 2025 and in general accordance with the NYSDEC-approved Interim Site Management Plan (ISMP) for the Site.

The HVAC Project included installation of a new concrete pad located outside and adjacent to Passenger Terminal, as shown on the Site Diagram on **Exhibit 2**. The soil boring locations and approximate limits of the IRM activities and construction activities were located near Passenger Terminal are also shown on **Exhibit 3**.

A new structural concrete slab was constructed to support the new HVAC units. To construct the new concrete pad, the following activities were completed:

- Existing area surfacing (asphalt pavement) was removed.
- An approximate 20 foot by 20 foot by 3-foot-deep excavation was completed.
- Backfilling of the excavated area with pre-approved backfill materials including sand, gravel and crushed stone.
- Completion of concrete pad for use with HVAC unit.

The structural foundation engineering plans are included in **Appendix B**.

1.1 Site Description and History

The Site is located in a mixed-use area of commercial and residential parcels and is further illustrated on the United States Geological Survey (USG S) 7.5-minute Quadrangle (Glenville NY Topographic Quadrangle, 1967, Photo revised 1981) Map provided as **Exhibit 1**. The Site is approximately 688 acres, with about a third of the

Airport located in the Kensico watershed. The topography at the Airport is generally flat and slopes gently to the west towards rye Lake and south towards nearby tributaries.

The New York Air National Guard (NYANG) was a tenant at the Airport from 1947 to 1983. As part of its operations, the NYANG performed aircraft firefighting training operations on a regular basis. These firefighting exercises and training activities were performed at a "Burn Pit" that was located near the NYANG's former hanger (hereafter referred to as the "NYANG Burn Pit") on County property adjacent to the NYANG's leasehold.

The NYANG conducted these exercises from as early as 1968 until 1983 when they vacated the Airport. The NYANG, as part of its firefighting exercises, used Aqueous Film-Forming Foam (AFFF), which historically contained compounds referred to as per- and polyfluoroalkyl substances (PFAS). The duration of AFFF use at the NYANG Burn Pit and the fact that the NYANG Burn Pit likely has resulted in groundwater at this location exhibiting the highest concentrations of PFAS impacts at the Site.

The Site entered a Brownfield Site Cleanup Agreement on August 10, 2021, under Brownfield Cleanup Program (BCP) Site Number C360174.

1.2 Conditions Warranting Interim Remedial Measures

A site-wide Remedial Investigation (RI) has not yet been completed for the Site, and previous investigations were not completed within the HVAC project limits.
The construction activities were performed as an IRM and in accordance with the best practices and management plans outlined in the ISMP, including the Excavation Work Plan and approved IRM Work Plan for Concrete Pad for New HVAC Capital Improvement Project Passenger Terminal HVAC-1 and HVAC-2 Upgrades dated June 27, 2025.

2.0 SUMMARY OF INTERIM REMEDIAL MEASURES

The following sections provide a summary of the IRM objectives associated with the HVAC upgrade completed at the Site and included within the approved IRM Work Plan. All work was completed in accordance with the Interim Site Management Plan (ISMP).

2.1 Governing Documents

2.1.1 Interim Site Management Plan

Investigation and construction activities were performed in accordance with the approved IRM Work Plan and ISMP.

2.1.2 Health and Safety Plan

The Health and Safety Plan (HASP) was included as part of the department approved ISMP. IRM activities were completed in accordance with approved ISMP.

2.1.3 Quality Assurance Project Plan (QAPP)

The QAPP was included in the department approved ISMP and IRM Work Plan.

2.1.4 Community Air Monitoring Plan (CAMP)

The CAMP was included in the department approved ISMP. Real time, continuous air monitoring for airborne particulate matter at upwind and downwind locations were collected throughout the course of the work and further discussed in Section 3.5.

2.2 Descprition of Selected IRM

Terracon and associated subcontractors contacted Dig Safely New York, a minimum of three business days prior to the commencement of the field work. In addition, Terracon completed a private utility to mark/clear identifiable utilities in the HVAC Project work zone to clear the proposed drilling locations. Terracon completed the following field procedures:

- Soil sampling utilizing a direct push technology (DPT) drilling rig. Two (2) soil borings were advanced to approximate depths of 8 feet to 10 feet bgs. A summary of the sample analysis performed is presented in **Table 1**.
- Soil samples were field screened with a calibrated organic vapor meter (OVM) equipped with a photoionization detector (PID).
- OVM results and soil descriptions were recorded in the field. Soil boring logs are included in **Appendix C**.
- Soil samples were collected in accordance with the department approved IRM Workplan and ISMP.
- Samples were collected in laboratory provided pre-cleaned sample bottles and shipped in coolers with ice under chain-of-custody procedures to Eurofins Environmental Testing of Amherst, New York (an ELAP accredited laboratory).
- During the construction activities, excavated soils were staged in dumpsters. Staged soils were sampled for reuse on the Site as per NYSDEC Division of Environmental Remediation – Technical Guidance for Site Investigation and Remediation dated May 3, 2010 (DER-10). The soils were later approved for reuse by NYSDEC and reused onsite to fill in low areas as shown in **Appendix A, Exhibit 4**. NYSDEC's approval for reuse is included in **Appendix D**.

- At the completion of excavation activities, nine samples were collected from the side walls, with corresponding quality assurance/quality control (QA/QC) samples. A summary of the sample analysis performed is presented in **Table 1**.

3.0 REMEDIAL PROGRAM ELEMENTS

3.1 Contractors and Consultants

- The following contractors and consultants were involved in the construction activities summarized in this CCR:
- Environmental Consultant: Terracon Consultants NY, Inc. (Terracon) provided consulting services and oversight.
- Drilling Contractor: Sage Environmental, a Terracon company, provided drilling services.
- Excavation Contractor: SCS Excavation Concepts (SCS) provided excavation services.

3.2 Site Preparation

Prior to mobilization, Terracon completed a private utility locate to identify underground utilities and assist with soil boring locations. Terracon mobilized to the Site on July 9, 2025, to perform the drilling services that included completion of two (2) soil borings to collect soil samples in accordance with the IRM Work Plan. Soil analytical results are provided on **Table 2** and laboratory analytical reports are included in **Appendix E**. Based on analytical results, areas of significant impact within the proposed construction area were not identified.

SCS performed the excavations to facilitate the construction of the new concrete pad associated with the HVAC upgrades between August 19, 2025, and August 20, 2025. Nine samples sidewall soil samples were collected after the completion of excavation activities. Four samples were collected in each cardinal direction for the first foot below ground surface, and an additional four samples from the interval of one-to-three feet below ground surface (bgs). Additionally, a sample was collected from the bottom of the excavation. Soil analytical results are provided on **Table 3** and laboratory analytical reports are included in **Appendix E**.

3.3 General Site Controls

Temporary fencing or warning tape was used around the excavation area until backfilling was completed.

3.4 Nuisance Controls

No dust control issues; odor problems or complaints were encountered in conjunction with the remedial work.

3.5 Community Air Monitoring Results

Community air monitoring was completed in accordance with approved CAMP for particulates and total volatiles during intrusive activities including soil excavation activities and soil reuse activities at the Site. No exceedances were recorded during the intrusive activities. Visible dust was not observed within the work area. CAMP data is provided in **Appendix F.**

3.6 Decontamination Procedure

Soil excavation, investigation, and sample collection procedures were conducted in accordance with local industry standard practices. Nonexpendable sampling equipment was decontaminated between sample collection intervals using a detergent/potable water solution wash and potable water rinse per the ISMP.

Decontamination procedures were implemented as necessary during construction activities. Construction equipment that encountered potentially impacted soils were inspected and dry decontaminated prior to handling clean material or leaving the work area. Excavated soil was stored in lined dumpsters and covered once full.

3.7 Remedial Sampling

3.7.1 Soil Boring Sampling Results

In accordance with the approved IRM, Terracon completed two soil borings (SB1 and SB2) and collected soil samples as outlined in the HVAC Upgrades IRM WP. Samples were analyzed for:

- PFAS by Environmental Protection Agency (EPA) Method 1633A
- metals by EPA Methods 6010 and 7471
- herbicides by EPA method 8151
- pesticides by EPA Method 8081
- polychlorinated biphenyls (PCBs) by EPA Method 8082
- volatile organic compounds (VOCs) by EPA Method 8260
- semi-volatile organic compounds (SVOCs) by EPA method 8270

Soil sample results were compared to the applicable NYSDEC Soil Cleanup Objectives (SCOs) identified in per NYCRR Part 375 New York Protection of Groundwater (POG) SCO and Commercial Use (CSCOs) Criteria as summarized in **Table 2**.

Based on analytical results no VOCs, metals, pesticides, herbicides, or PCBs were detected at concentration exceeding POG SCOs or CSCOs.

Elevated PFAS were detected exceeding POG in 3 of the 10 soil samples collected at the Site. Perfluorooctanesulfonic acid (PFOS) was detected exceeding its POG SCO of 1.0 microgram per kilogram (ug/kg) at SB1 7-8 ft bgs (1.3 ug/kg), SB2 1-5 ft bgs (1.4 ug/kg) and SB2 9-10 ft bgs (5.4 ug/kg). No PFAS analytes were detected exceeding the applicable CSCOs.

Based on the analytical results reported by the laboratory, elevated SVOCs were detected exceeding POG SCOs and CSCOs in 3 of the 4 soil boring samples collected at the Site. The following exceedances are listed below:

- Benzo(a)anthracene was detected exceeding its POG SCO of 1,000 microgram per kilogram (ug/kg) at SB1 1-4 ft bgs (3,200 ug/kg), and SB1 5-8 ft bgs (1,400 ug/kg); and exceeding its CSCO of 5,600 ug/kg at SB2 1-5 ft bgs (8,900 ug/kg).
- Benzo(a)pyrene was detected exceeding its CSCOs of 1,000 ug/kg at SB1 1-4 ft bgs (2,800 ug/kg), SB1 5-8 ft bgs (1,600 ug/kg), and SB2 1-5 ft bgs (6,000 ug/kg).
- Benzo(b)fluoranthene was detected exceeding its POG SCO of 1,700 ug/kg at SB1 1-4 ft bgs (2,500 ug/kg); and exceeding its CSCO of 5,600 ug/kg at SB2 1-5 ft bgs (5,800 ug/kg).
- Benzo(k)fluoranthene was detected exceeding its POG SCO of 1,700 ug/kg at SB2 1-5 ft bgs (2,100 ug/kg).
- Chrysene was detected exceeding its POG SCO of 1,000 ug/kg at SB1 1-4 ft bgs (3,600 ug/kg), SB1 5-8 ft bgs (1,600 ug/kg), and SB2 1-5 ft bgs (9,100 ug/kg).
- Dibenzo(a,h)anthracene was detected exceeding its CSOC of 560 ug/kg at SB2 1-5 ft bgs (1,200 ug/kg, "J" flagged estimated value).

Refer to **Table 2** for a complete summary of the detected compounds and **Appendix E** for laboratory analytical reports.

3.7.2 Excavation Sidewall and Bottom Sampling Results

Subsequent the excavation, nine (9) sidewall and bottom samples were collected and analyzed for:

- PFAS by EPA Method 1633
- metals by EPA Methods 6010 and 7471
- herbicides by EPA method 8151
- pesticides by EPA Method 8081
- PCBs by EPA Method 8082
- VOCs by EPA Method 8260
- SVOCs by EPA method 8270

Soil sample results were compared to the applicable NYSDEC SCOs (POG SCO and CSCOs) and summarized in **Table 3**.

Based on the analytical results reported by the laboratory, no metals, pesticides, herbicides, or PCBs were detected at concentrations exceeding POG SCOs or Commercial SCOs.

Based on the analytical results reported by the laboratory, elevated PFAS were detected exceeding POG SCOs in 7 of the 10 sidewall/bottom soil samples collected at the Site. PFOS was detected exceeding its POG SCO of 1.0 ug/kg at HVAC SW Bottom 0-3 ft bgs (1.47 ug/kg), HVAC SW East 1-3 ft bgs (3.07 ug/kg), HVAC SW East 0-1 ft bgs (2.15 ug/kg), HVAC SW North 1-3 ft bgs (1.35 ug/kg), HVAC SW North 0-1 ft bgs (1.75 ug/kg), HVAC SW South 1-3 ft bgs (1.60 ug/kg) and HVAC DUP (1.27 ug/kg). No PFAS analytes were detected exceeding CSCOs.

Based on analytical results elevated VOCs were detected exceeding POG SCOs in 1 of the 10 sidewall/bottom soil samples collected at the Site. Acetone was detected exceeding its POG SCO of 0.05 ug/kg at HVAC SW North 0-1 ft bgs (0.22 ug/kg). However, Terracon notes that acetone is a common laboratory artifact detected during analysis associated with the preparation of the samples.

Based on analytical results elevated SVOCs were detected exceeding POG SCOs and CSCOs in 2 of the 5 sidewall/bottom samples collected at the Site. The following exceedances are listed below:

- Benzo(a)anthracene was detected exceeding its POG SCO of 1,000 ug/kg at HVAC SW East 1-3 ft bgs (1,300 ug/kg), and HVAC SW North 1-3 ft bgs (1,550 ug/kg).
- Benzo(a)pyrene was detected exceeding its CSCO of 1,000 ug/kg at HVAC SW East 1-3 ft bgs (1,380 ug/kg) and HVAC SW North 0-1 ft bgs (1,460 ug/kg).

- Chrysene was detected exceeding its POG SCO of 1,000 ug/kg at HVAC SW East 1-3 ft bgs (1,240 ug/kg), and HVAC SW North 1-3 ft bgs (1,730 ug/kg).

Refer to **Table 3** for a complete summary of the detected compounds and **Appendix E** for laboratory analytical reports.

3.7.3 Soil Reuse Sampling Results

Soils from the excavation were temporarily staged in three dumpsters. Samples were analyzed for:

- PFAS by EPA Method 1633
- metals by EPA Methods 6010 and 7471
- herbicides by EPA method 8151
- pesticides by EPA Method 8081
- PCBs by EPA Method 8082
- VOCs by EPA Method 8260
- SVOCs by EPA method 8270
- 1-4 Dioxane by EPA Method 8270 SIM
- total petroleum hydrocarbons (TPH)
- diesel range organics (DRO)
- gasoline range organics (GRO)
- ignitability
- reactivity
- specific conductance
- temperature

Soil sample results were compared to the applicable NYSDEC SCOs (POG SCO and CSCOs). Based on analytical results, the soil sample was not found to have any exceedances above the applicable POG SCOs or CSOCs. Refer to **Table 4** for a complete summary of all detected compounds from the spoil stockpile sample. The results were submitted for on-site soil reuse and approved by NYSDEC. Location of soil reuse is shown in **Exhibit 4**.

3.8 Data Usability

The Data Usability Summary Report (DUSR), completed by Environmental Standards, Inc., indicates that all samples were collected and reported in compliance with the required analytical protocol. Most sample results are usable either as reported or with minor qualification. The DUSR is included in **Appendix G**.

3.9 Reporting

Daily field activity reports and photos were completed and maintained by Terracon's field inspector. Daily reports are included in **Appendix H**.

3.10 Soil Handling and Reuse-Disposal Management

Approximately 50 yards of soil generated during the excavation activities for the HVAC upgrade project was temporarily stored in roll off dumpsters. The soils were sampled, and an on-site reuse form was submitted to the NYSDEC for approval. Subsequent approval the soils were then transferred to the southeastern portion of the Site to fill in selected locations. Soil stockpile results are discussed in **Section 3.6.3** and NYSDEC approvals are included in **Appendix D**.

3.11 Imported Backfill

Backfill was used in the concrete pad excavation. Backfill was obtained for NYSDEC permitted sources and approved by the NYSDEC. The following types and quantities were used:

- 11 tons of material identified as 01:3/4"-1" recycled gravel from Metro Green LLC
- 10 tons of material identified as recycled mixed gravel from Metro Green LLC.

Import documentation is included in **Appendix I**.

Tables

Table 1
Summary of Sampling and Analytical Program
HPN – Environmental Management | White Plains, NY
Terracon Project No. JA257006

Sample Location	Matrix	Full List VOCs	TCL SVOCs	TAL Metals	PCBs	Pesticides	Herbicides	PFAS
SB1	Soil	x	x	x	x	x	x	x
SB2	Soil	x	x	x	x	x	x	x
HVAC SW BOTTOM	Soil	x	x	x	x	x	x	x
HVAC SW EAST	Soil	x	x	x	x	x	x	x
HVAC SW EAST	Soil	x	x	x	x	x	x	x
HVAC SW NORTH	Soil	x	x	x	x	x	x	x
HVAC SW NORTH	Soil	x	x	x	x	x	x	x
HVAC SW SOUTH	Soil	x	x	x	x	x	x	x
HVAC SW SOUTH	Soil	x	x	x	x	x	x	x
HVAC SW WEST	Soil	x	x	x	x	x	x	x
HVAC SW WEST	Soil	x	x	x	x	x	x	x
HVAC Spoils*	Soil	x	x	x	x	x	x	x

Notes:
Full List VOCs = TCL List plus CP-51 List VOCs
VOCs = Volatile Organic Compouds
SVOCs = Semi-Volatile Organic Compounds
TCL = Target Compound List
TAL = Target Analyte List
PCBs = Polychlorinated Biphenlys
PFAS = Per and Polyfluoroalkyl Substances
* = Additional analytical parameters perfomed on this sample including conductivity, total petroleum hydrocarbons, ignitbility, reactivity, and pH

Table 2
Summary of Soil Boring Sample Analytical Results
HPN – Environmental Management | White Plains, NY
Terracon Project No. JA257006

Location:				SB1	SB1	SB1	SB1	SB1	SB2	SB2	SB2	SB2	SB2	SB2	SB2
Sample Name:				SB1-12-18	SB1-12-48	SB1-18-30	SB1-5-8	SB1-7-8	SB2-12-18	SB2-12-5	SB2-24-36	SB2-4	SB2-9-10	SB2-12-18 DUP	SB2-4 DUP
Date:				7/9/2025	7/9/2025	7/9/2025	7/9/2025	7/9/2025	7/9/2025	7/9/2025	7/9/2025	7/9/2025	7/9/2025	7/9/2025	7/9/2025
Depth:				1 - 1.5 ft	1 - 4 ft	1.5 - 2.5 ft	5 - 8 ft	7 - 8 ft	1 - 1.5 ft	1 - 5 ft	2 - 3 ft	3 - 4 ft	9 - 10 ft	1 - 1.5 ft	2 - 4 ft
Analyte	CAS	NY Soil Protection of Groundwater	NY Soil Commercial												
E1633, ng/g															
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NV	NV	ND	ND	ND	ND	ND	ND	0.33 J	ND	--	ND	ND	--
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NV	NV	ND	ND	ND	ND	ND	ND	0.35 J	ND	--	ND	ND	--
N-ethyl perfluorooctanesulfonamidoacetic acid (EtFOSAA)	2991-50-6	NV	NV	ND	ND	0.60	ND	ND	ND	ND	ND	--	ND	ND	--
Perfluoro-1-heptanesulfonic acid (PFHpS)	375-92-8	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	--	0.22	ND	--
Perfluorohexanesulfonic acid (PFHxS)	206-587-1	NV	NV	ND	0.056 J	0.16 J	ND	ND	0.072 J	0.087 J	0.074 J	--	0.28	0.060 J	--
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	1.0	440	ND	0.40	0.99	0.83	1.3	0.28	1.4	0.40	--	5.4	0.28	--
Perfluorooctanoic acid (PFOA)	335-67-1	0.8	500	ND	ND	ND	ND	ND	ND	ND	ND	--	0.061 J	ND	--
Perfluoroundecanoic acid (PFUnA)	2058-94-8	NV	NV	ND	ND	ND	ND	ND	ND	0.054 J	ND	--	ND	ND	--
SW6010D, mg/kg															
Aluminum	7429-90-5	NV	NV	--	18100	--	15800	--	--	16500	--	--	27400	--	--
Arsenic	7440-38-2	16	16	--	1.6 J	--	ND	--	--	2.3	--	--	ND	--	--
Barium	7440-39-3	820	400	--	114	--	149	--	--	121	--	--	232	--	--
Beryllium	7440-41-7	47	590	--	0.42	--	0.40	--	--	0.56	--	--	0.86	--	--
Cadmium	7440-43-9	7.5	9.3	--	0.29	--	ND	--	--	0.10 J	--	--	ND	--	--
Calcium	7440-70-2	NV	NV	--	12100	--	6400 T	--	--	19800	--	--	1880	--	--
Chromium	7440-47-3	NV	1500	--	22.6	--	26.6	--	--	26.3	--	--	40.6	--	--
Cobalt	7440-48-4	NV	NV	--	18.7	--	12.1	--	--	13.5	--	--	21.1	--	--
Copper	7440-50-8	1720	270	--	102	--	31.3	--	--	49.2	--	--	47.1	--	--
Iron	7439-89-6	NV	NV	--	34300	--	25300	--	--	25600	--	--	36200	--	--
Lead	7439-92-1	450	1000	--	21.4	--	9.3	--	--	41.4	--	--	6.4	--	--
Magnesium	7439-95-4	NV	NV	--	8370	--	7480 T	--	--	9580	--	--	9030	--	--
Manganese	7439-96-5	2000	10000	--	370	--	297 T	--	--	406	--	--	558	--	--
Nickel	7440-02-0	130	310	--	24.9	--	21.4	--	--	22.0	--	--	34.9	--	--
Potassium	7440-09-7	NV	NV	--	3980	--	6570	--	--	4850	--	--	8800	--	--
Silver	7440-22-4	8.3	1500	--	0.35 JT	--	ND	--	--	ND	--	--	0.24 JT	--	--
Sodium	7440-23-5	NV	NV	--	2130	--	344	--	--	738	--	--	843	--	--
Vanadium	7440-62-2	NV	NV	--	61.5	--	45.6	--	--	60.4	--	--	84.9	--	--
Zinc	7440-66-6	2480	10000	--	105 T	--	59.4 T	--	--	74.3 T	--	--	74.7 T	--	--
SW7471B, mg/kg															
Mercury	7439-97-6	0.73	2.8	--	0.0056 J	--	0.0060 J	--	--	0.0081 J	--	--	< 0.022 U	--	--
SW8081B, ug/kg															
4,4'-Ddt	50-29-3	136000	47000	--	32 J	--	31 J	--	--	40 J	--	--	1.4 J	--	--
Methoxychlor	72-43-5	NV	NV	--	ND	--	ND	--	--	26 J	--	--	1.2 J	--	--
SW8260C, ug/kg															
Methyl Acetate	79-20-9	NV	NV	ND	--	--	ND	100 JT	--	--	--	440	ND	--	420
Styrene	100-42-5	NV	NV	ND	--	--	ND	ND	--	--	--	13 J	ND	--	ND
Toluene	108-88-3	700	500000	ND	--	--	ND	ND	--	--	--	40 J	ND	--	55 J
Total Xylenes	1330-20-7	1600	500000	ND	--	--	ND	ND	--	--	--	46 J	ND	--	57 J
SW8270D, ug/kg															
2-Methylnaphthalene	91-57-6	NV	NV	--	810 J	--	680 J	--	--	2300	--	--	ND	--	--
Acenaphthene	83-32-9	98000	500000	--	ND	--	320 J	--	--	650 J	--	--	ND	--	--
Acenaphthylene	208-96-8	107000	500000	--	730 J	--	480 J	--	--	1300 J	--	--	ND	--	--
Anthracene	120-12-7	1000000	500000	--	1300 J	--	1000 J	--	--	3500	--	--	ND	--	--
Benzo(a)anthracene	56-55-3	1000	5600	--	3200	--	1400 J	--	--	8900	--	--	ND	--	--
Benzo(a)pyrene	50-32-8	22000	1000	--	2800	--	1600 J	--	--	6000	--	--	ND	--	--
Benzo(b)fluoranthene	205-99-2	1700	5600	--	2500	--	1300 J	--	--	5800	--	--	ND	--	--
Benzo(g,h,i)perylene	191-24-2	1000000	500000	--	2100	--	1400 J	--	--	4200	--	--	ND	--	--
Benzo(k)fluoranthene	207-08-9	1700	56000	--	1400 J	--	390 J	--	--	2100	--	--	ND	--	--
Chrysene	218-01-9	1000	56000	--	3600	--	1600 J	--	--	9100	--	--	ND	--	--
Dibenzo(a,h)anthracene	53-70-3	1000000	560	--	480 J	--	ND	--	--	1200 J	--	--	ND	--	--
Dibenzofuran	132-64-9	210000	350000	--	ND	--	ND	--	--	520 J	--	--	ND	--	--
Fluoranthene	206-44-0	1000000	500000	--	4400	--	2400	--	--	14000	--	--	ND	--	--
Fluorene	86-73-7	386000	500000	--	490 J	--	ND	--	--	2600	--	--	ND	--	--
Indeno(1,2,3-Cd)Pyrene	193-39-5	8200	5600	--	1200 J	--	600 J	--	--	2400	--	--	ND	--	--
Naphthalene	91-20-3	12000	500000	--	910 J	--	920 J	--	--	ND	--	--	ND	--	--
Phenanthrene	85-01-8	1000000	500000	--	3200	--	650 J	--	--	24000	--	--	ND	--	--
Pyrene	129-00-0	1000000	500000	--	8000	--	4400	--	--	22000	--	--	36 J	--	--

Notes:
Values per 6NYCRR Part 375 Soil Cleanup Objectives (SCOs)
Result exceeds Protection of Groundwater SCOS
Result exceeds Commerical Use SCOs
Values with a "<" symbol are below analyte method dection limit
-- = Not Analyzed
NV = No Regulatory Value
ND = Non-detect
J = Result is less that the RL but greater than or equal to the Method Detection Limit (MDL) and the concentration is an approximate value
T = Linear Range Check (LRC) is outside acceptance limits, low biased

Table 3
Summary of Sidewall/Bottom Sample Analytical Results
HPN – Environmental Management | White Plains, NY
Terracon Project No. JA257006

Analyte	CAS	NY Soil Protection of Groundwater	NY Soil Commercial	Location: HVAC SW BOTTOM Sample Name: HVAC BOTTOM 3 FT Date: 8/20/2025 Depth: 0 - 3 ft	HVAC SW EAST HVAC SW EAST 1-3 8/20/2025 1 - 3 ft	HVAC SW EAST HVAC SW EAST-S-1 8/20/2025 0 - 1 ft	HVAC SW NORTH HVAC SW NORTH 1-3 8/20/2025 1 - 3 ft	HVAC SW NORTH HVAC SW NORTH-S-1 8/20/2025 0 - 1 ft	HVAC SW SOUTH HVAC SW SOUTH 1-3 8/20/2025 1 - 3 ft	HVAC SW SOUTH HVAC SW SOUTH-S-1 8/20/2025 0 - 1 ft	HVAC SW WEST HVAC SW WEST 1-3 8/20/2025 1 - 3 ft	HVAC SW WEST HVAC SW WEST-S-1 8/20/2025 0 - 1 ft	HVAC SW BOTTOM HVAC DUP 8/20/2025 0 - 3 ft
PFAS - E1633, ug/kg													
Perfluorinated sulfonamide (FOSA)	754-91-6	NV	NV	ND	ND	ND	0.0384 J	0.0456 J	ND	ND	ND	ND	ND
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NV	NV	ND	0.0966 J	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorododecanoic acid (PFDoA)	307-55-1	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	0.0903 J	ND
Perfluorohexanesulfonic acid (PFHxS)	206-587-1	NV	NV	0.116 J	0.510	0.291	0.174 J	0.141 J	0.0946 J	ND	ND	0.150 J	0.0897 J
Perfluorohexanoic acid (PFHxA)	307-24-4	NV	NV	ND	0.0968 J	0.0774 J	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	1.0	440	1.47	3.07	2.15	1.35	1.75	1.60	0.812	0.569	0.567	1.27
Perfluorooctanoic acid (PFOA)	335-67-1	0.8	500	ND	0.108 J	0.104 J	ND	ND	ND	ND	ND	ND	ND
Perfluoropentanoic acid (PFPeA)	2706-90-3	NV	NV	ND	0.121 J	0.103 J	ND	ND	ND	ND	ND	ND	ND
Perfluorotridecanoic acid (PFTriA)	72629-94-8	NV	NV	ND	0.133 J	ND	ND	ND	ND	ND	ND	ND	ND
Perfluoroundecanoic acid (PFUnA)	2058-94-8	NV	NV	ND	0.176 J	0.157 J	0.129 J	0.137 J	ND	ND	ND	ND	ND
Metals - SW6010, mg/kg													
Aluminum	7429-90-5	NV	NV	15800	18300	--	15500	--	12000	--	16500	--	14800
Arsenic	7440-38-2	16	16	3.51	3.77	--	3.25	--	3.02	--	2.71	--	3.30
Barium	7440-39-3	820	400	111	132	--	112	--	89.1	--	120	--	107
Cadmium	7440-43-9	7.5	9.3	ND	ND	--	0.307	--	ND	--	ND	--	ND
Calcium	7440-70-2	NV	NV	14900	3930	--	4760	--	17600	--	17600	--	10900
Chromium	7440-47-3	NV	NV	25.5	27.7	--	25.0	--	22.5	--	26.2	--	25.4
Cobalt	7440-48-4	NV	NV	11.5	13.8	--	12.3	--	8.99	--	12.7	--	11.5
Copper	7440-50-8	1720	270	32.6	41.7	--	37.2	--	36.6	--	47.7	--	43.0
Iron	7439-89-6	NV	NV	24400	29600	--	24700	--	18800	--	27000	--	23600
Lead	7439-92-1	450	1000	8.19	11.2	--	8.71	--	16.2	--	8.61	--	9.87
Magnesium	7439-95-4	NV	NV	7140	7080	--	6450	--	5790	--	9520	--	6600
Manganese	7439-96-5	2000	10000	419	503	--	386	--	350	--	444	--	446
Nickel	7440-02-0	130	310	18.3	21.8	--	19.0	--	15.6	--	19.5	--	18.0
Potassium	7440-09-7	NV	NV	4200	4890	--	4160	--	3030	--	5240	--	3770
Sodium	7440-23-5	NV	NV	489	335	--	622	--	355	--	626	--	347
Vanadium	7440-62-2	NV	NV	42.8	52.1	--	44.7	--	33.6	--	53.0	--	44.5
Zinc	7440-66-6	2480	10000	60.1	59.5	--	53.8	--	72.7	--	64.1	--	55.5
Pesticides - SW8081, ug/kg													
4,4'-Ddt	50-29-3	136000	47000	ND	2.28 D	--	2.58 D	--	ND	--	ND	--	ND
Volatiles - SW8260, ug/kg													
Acetone	67-64-1	50	500000	18	--	ND	--	220 E	--	16	--	21	31
Methylene chloride	75-09-2	50	500000	ND	--	ND	--	2.4 J	--	ND	--	ND	ND
Semi-Volatiles - SW8270, ug/kg													
1,1'-Biphenyl	92-52-4	NV	NV	ND	22.9 J	--	ND	--	ND	--	ND	--	ND
2-Methylnaphthalene	91-57-6	NV	NV	68.8 JD	153	--	253 D	--	68.0 JD	--	245 D	--	178 D
Acenaphthene	83-32-9	98000	500000	ND	31.1 J	--	126 D	--	ND	--	97.3 D	--	ND
Acenaphthylene	208-96-8	107000	500000	303 D	848	--	453 D	--	210 D	--	337 D	--	160 D
Anthracene	120-12-7	1000000	500000	273 D	843	--	500 D	--	190 D	--	382 D	--	155 D
Benzo(a)anthracene	56-55-3	1000	5600	495 D	1300	--	1550 D	--	799 D	--	673 D	--	465 D
Benzo(a)pyrene	50-32-8	22000	1000	477 D	1380	--	1460 D	--	664 D	--	577 D	--	473 D
Benzo(b)fluoranthene	205-99-2	1700	5600	285 D	1100	--	912 D	--	434 D	--	339 D	--	319 D
Benzo(g,h,i)perylene	191-24-2	1000000	500000	328 D	1180	--	1020 D	--	462 D	--	383 D	--	353 D
Benzo(k)fluoranthene	207-08-9	1700	56000	311 D	1000	--	856 D	--	400 D	--	411 D	--	309 D
Carbazole	86-74-8	NV	NV	ND	27.5 J	--	ND	--	ND	--	ND	--	ND
Chrysene	218-01-9	1000	56000	559 D	1240 D	--	1730 D	--	863 D	--	789 D	--	525 D
Dibenzo(a,h)anthracene	53-70-3	1000000	560	97.5 D	366	--	269 D	--	103 D	--	109 D	--	80.7 JD
Dibenzofuran	132-64-9	210000	350000	ND	22.2 J	--	59.5 JD	--	ND	--	53.5 JD	--	ND
Fluoranthene	206-44-0	1000000	500000	436 D	1010	--	1690 D	--	732 D	--	744 D	--	452 D
Fluorene	86-73-7	386000	500000	76.7 JD	143	--	452 D	--	103 D	--	281 D	--	74.8 JD
Indeno(1,2,3-Cd)Pyrene	193-39-5	8200	5600	194 D	857	--	589 D	--	276 D	--	238 D	--	201 D
Naphthalene	91-20-3	12000	500000	59.5 JD	177	--	255 D	--	88.8 JD	--	200 D	--	233 D
Phenanthrene	85-01-8	1000000	500000	403 D	520	--	1590 D	--	564 D	--	1150 D	--	301 D
Pyrene	129-00-0	1000000	500000	1300 D	2220 D	--	4620 D	--	1690 D	--	2060 D	--	983 D

Notes:
Values per 6NYCRR Part 375 Soil Cleanup Objectives (SCOs)
Result exceeds Protection of Groundwater SCOs
Result exceeds Commerical Use SCOs
Values with a "<" symbol are below analyte method dection limit
-- = Not Analyzed
NV = No Regulatory Value
ND = Non-detect
J = Result is less that the RL but greater than or equal to the Method Detection Limit (MDL) and the concentration is an approximate value
B = Analyte was found in associated analysis Batch Blank
D = Result obtained from dilution
E = The concentration indicated for this analyte is an estimated value above calibration range of the instrument

Table 4
Summary of Soil Characterization Analytical Results
HPN – Environmental Management | White Plains, NY
Terracon Project No. JA257006

			Location:	HVAC SW BOTTOM
			Sample Name:	HVAC - SPOILS
			Date:	8/20/2025
			Depth:	0 - 3 ft
Analyte	CAS	NY Soil Protection of Groundwater	NY Soil Commercial	
Conductance - E120.1, umhos/cm				
Conductivity	Field_Cond	NV	NV	69.46
PFAS - E1633, ug/kg				
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	1.0	440	0.376
Perfluorooctanoic acid (PFOA)	335-67-1	0.8	500	ND
Metals - SW6010, mg/kg				
Aluminum	7429-90-5	NV	NV	11100
Arsenic	7440-38-2	16	16	2.33
Barium	7440-39-3	820	400	76.9
Calcium	7440-70-2	NV	NV	26500 B
Chromium	7440-47-3	NV	NV	21.1
Cobalt	7440-48-4	NV	NV	8.18
Copper	7440-50-8	1720	270	22.1
Iron	7439-89-6	NV	NV	17900
Lead	7439-92-1	450	1000	10.5
Magnesium	7439-95-4	NV	NV	6270
Manganese	7439-96-5	2000	10000	328
Nickel	7440-02-0	130	310	14.8
Potassium	7440-09-7	NV	NV	2910
Sodium	7440-23-5	NV	NV	407
Vanadium	7440-62-2	NV	NV	31.0
Zinc	7440-66-6	2480	10000	48.5
Total Petroleum Hydrocarbons - SW8015, ug/kg				
Diesel	68334-30-5	NV	NV	62800
Pesticides - SW8081, ug/kg				
Volatiles - SW8260, ug/kg				
Acetone	67-64-1	50	500000	49
Carbon Disulfide	75-15-0	NV	NV	2.5 J
Semi-Volatiles - SW8270, ug/kg				
1,1'-Biphenyl	92-52-4	NV	NV	ND
2-Methylnaphthalene	91-57-6	NV	NV	166 D
Acenaphthene	83-32-9	98000	500000	ND
Acenaphthylene	208-96-8	107000	500000	92.9 JD
Anthracene	120-12-7	1000000	500000	124 D
Benzo(a)anthracene	56-55-3	1000	5600	316 D
Benzo(a)pyrene	50-32-8	22000	1000	259 D
Benzo(b)fluoranthene	205-99-2	1700	5600	177 D
Benzo(g,h,i)perylene	191-24-2	1000000	500000	200 D
Benzo(k)fluoranthene	207-08-9	1700	56000	187 D
Bis(2-ethylhexyl) phthalate	117-81-7	NV	NV	78.0 JD
Carbazole	86-74-8	NV	NV	ND
Chrysene	218-01-9	1000	56000	343 D
Dibenzo(a,h)anthracene	53-70-3	1000000	560	46.8 JD
Dibenzofuran	132-64-9	210000	350000	ND
Fluoranthene	206-44-0	1000000	500000	418 D
Fluorene	86-73-7	386000	500000	58.7 JD
Indeno(1,2,3-Cd)Pyrene	193-39-5	8200	5600	111 D
Naphthalene	91-20-3	12000	500000	227 D
N-Nitrosodiphenylamine	86-30-6	NV	NV	49.1 JD
Phenanthrene	85-01-8	1000000	500000	315 D
Pyrene	129-00-0	1000000	500000	823 D
pH - SW9045D				
pH	E17028275	NV	NV	8.40

Notes:
Values per 6NYCRR Part 375 Soil Cleanup Objectives (SCOs)
Result exceeds Protection of Groundwater SCOs
Result exceeds Commerical Use SCOs
Values with a "<" symbol are below analyte method dection limit
NV = No Regulatory Value
ND = Non-detect
J = Result is less that the RL but greater than or equal to the Method Detection Limit (MDL) and the concentration is an approximate value
B = Analyte was found in associated analysis Batch Blank
D = Result obtained from dilution

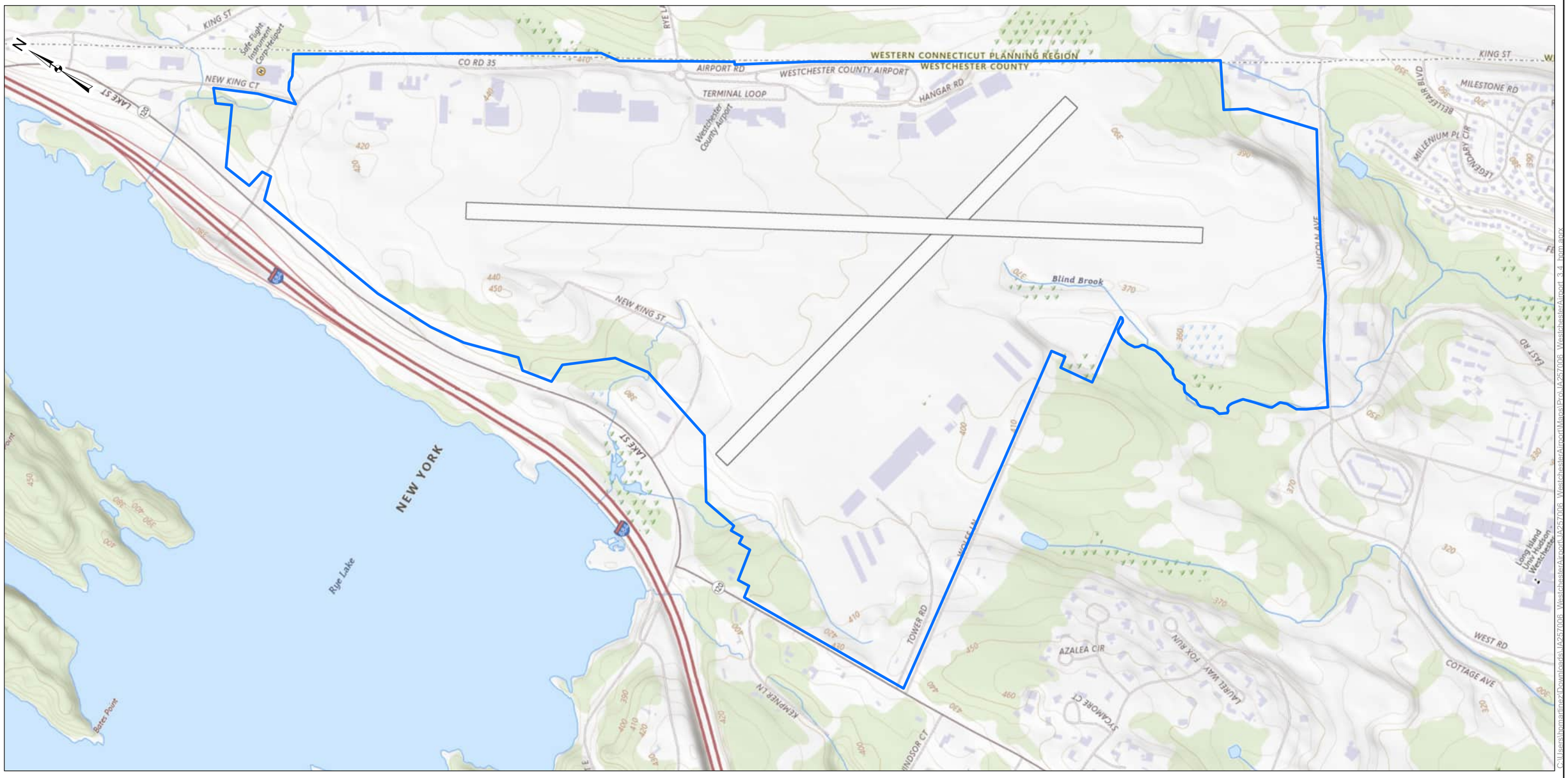
Appendix A

Exhibit 1: Topographic Map

Exhibit 2: Site Diagram

Exhibit 3: HVAC upgrades work area limits – soil sample locations and CAMP monitoring stations

Exhibit 4: Area of Soil reuse





Legend

BCP Site Boundary

DATA SOURCES:
ESRI Basemaps
Westchester County GeoHub
New York DEC - Remediation Site Boundaries

Feet
0 500 1,000 2,000

Project No.:	JA257006
Date:	May 2026
Drawn By:	HPM
Reviewed By:	DP

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Rochester, NY
PH. 585-247-3471 terracon.com

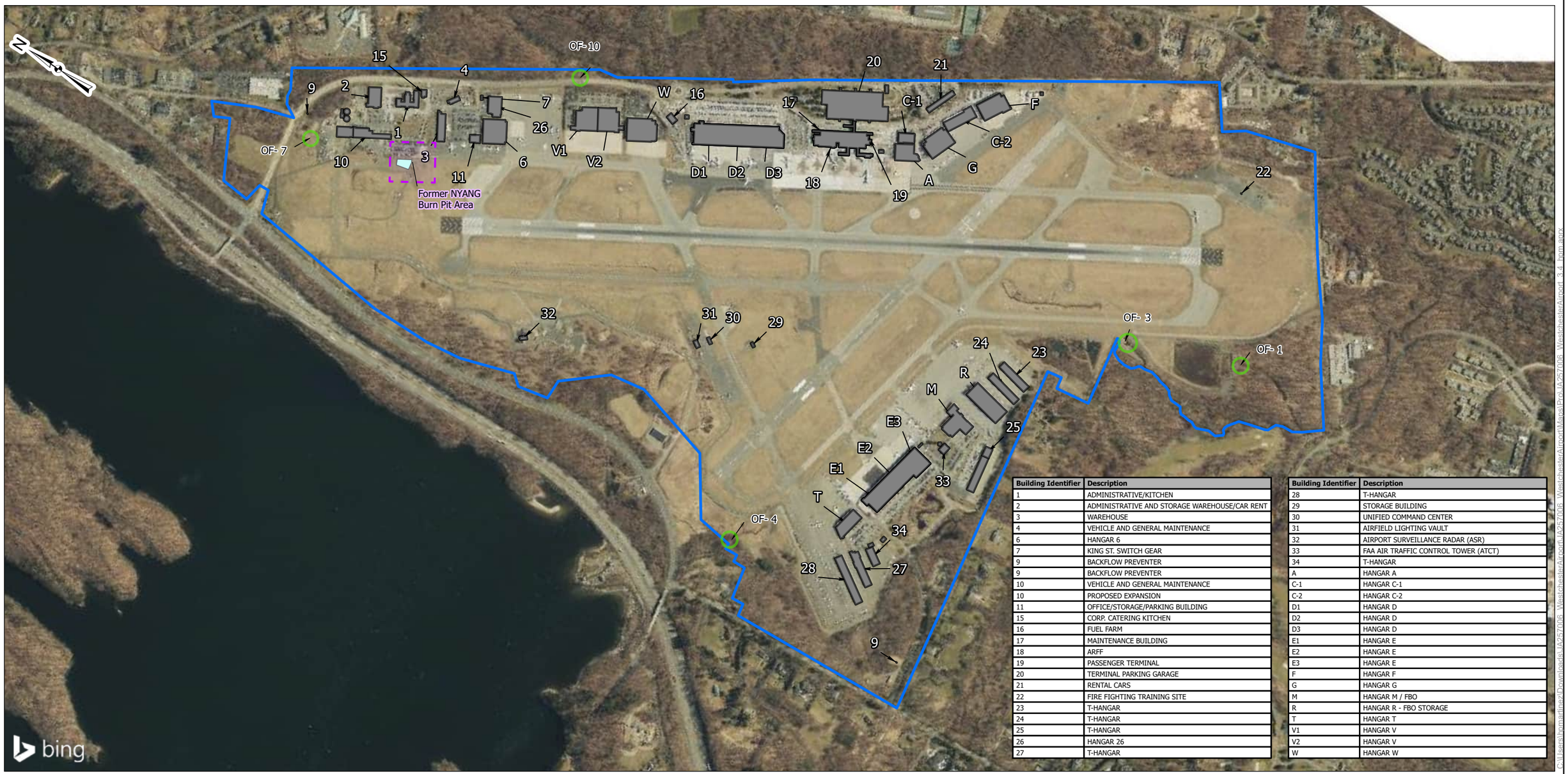
Topographic Map

Westchester County Airport
West Harrison, New York

Exhibit

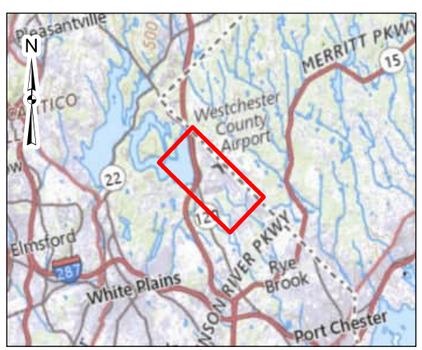
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Building Identifier	Description
1	ADMINISTRATIVE/KITCHEN
2	ADMINISTRATIVE AND STORAGE WAREHOUSE/CAR RENT
3	WAREHOUSE
4	VEHICLE AND GENERAL MAINTENANCE
6	HANGAR 6
7	KING ST. SWITCH GEAR
9	BACKFLOW PREVENTER
9	BACKFLOW PREVENTER
10	VEHICLE AND GENERAL MAINTENANCE
10	PROPOSED EXPANSION
11	OFFICE/STORAGE/PARKING BUILDING
15	CORP. CATERING KITCHEN
16	FUEL FARM
17	MAINTENANCE BUILDING
18	ARFF
19	PASSENGER TERMINAL
20	TERMINAL PARKING GARAGE
21	RENTAL CARS
22	FIRE FIGHTING TRAINING SITE
23	T-HANGAR
24	T-HANGAR
25	T-HANGAR
26	HANGAR 26
27	T-HANGAR

Building Identifier	Description
28	T-HANGAR
29	STORAGE BUILDING
30	UNIFIED COMMAND CENTER
31	AIRFIELD LIGHTING VAULT
32	AIRPORT SURVEILLANCE RADAR (ASR)
33	FAA AIR TRAFFIC CONTROL TOWER (ATCT)
34	T-HANGAR
A	HANGAR A
C-1	HANGAR C-1
C-2	HANGAR C-2
D1	HANGAR D
D2	HANGAR D
D3	HANGAR D
E1	HANGAR E
E2	HANGAR E
E3	HANGAR E
F	HANGAR F
G	HANGAR G
M	HANGAR M / FBO
R	HANGAR R - FBO STORAGE
T	HANGAR T
V1	HANGAR V
V2	HANGAR V
W	HANGAR W



Legend

- BCP Site Boundary
- SPDES Outfall
- Buildings
- Burn Pit Boundary (approx.)
- Former NYANG Burn Pit Area

DATA SOURCES:
Westchester County GeoHub
NYSDEC - BCP Site Boundary

Feet
0 500 1,000 2,000

Project No.:	JA257006
Date:	May 2026
Drawn By:	HPM
Reviewed By:	DP

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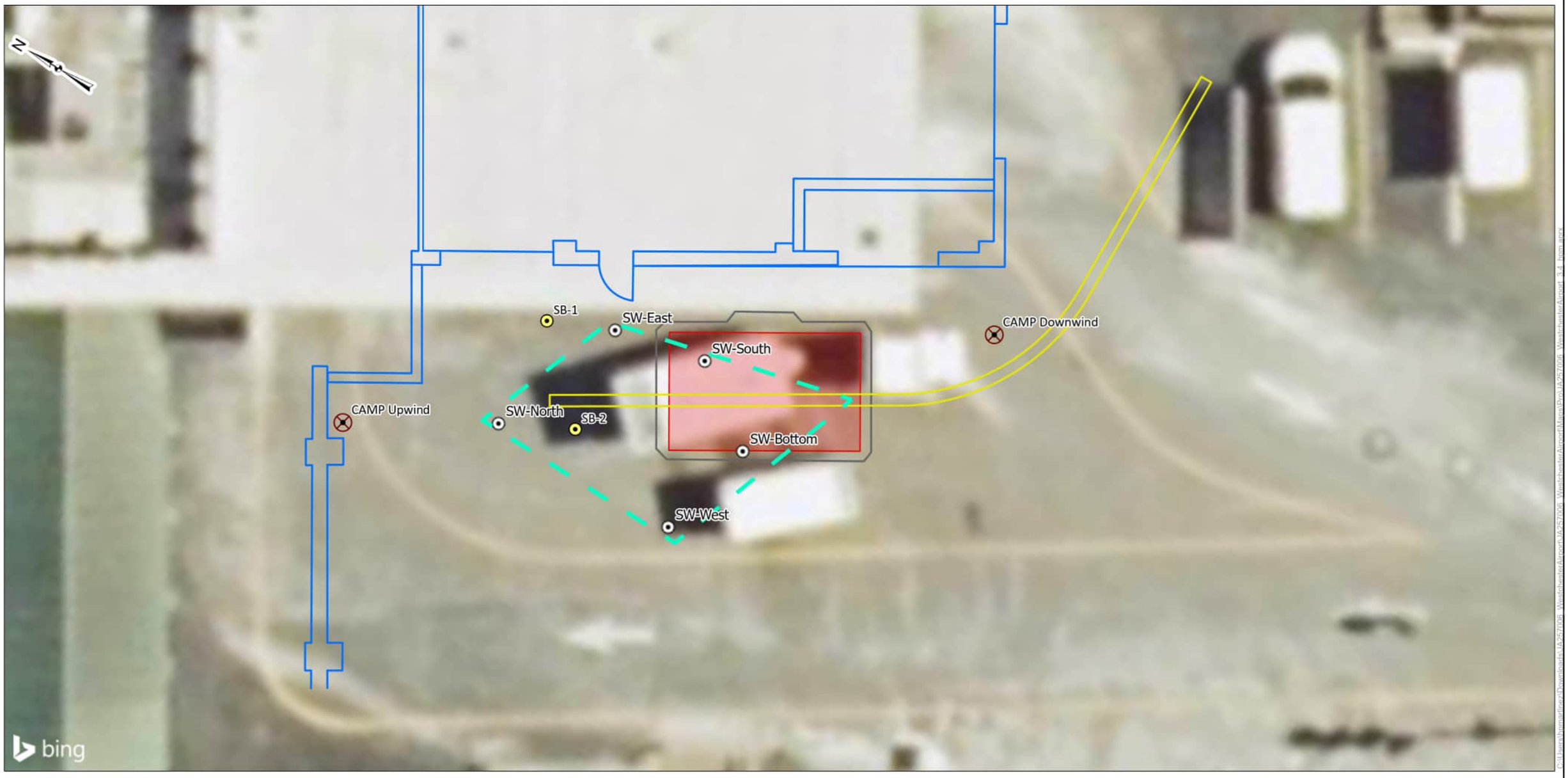
Site Diagram

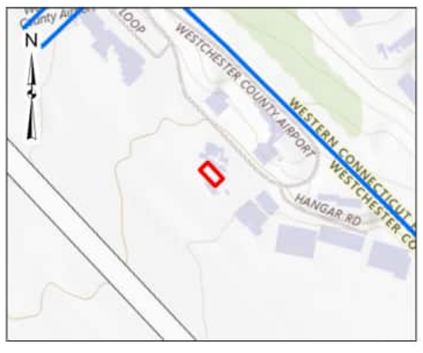
Westchester County Airport
West Harrison, New York

Exhibit

2

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Legend

- BCP Site Boundary
- AHU Unit
- Structure
- Mechanical Equipment Foundation
- Buried Electrical Conduit
- Sidewall Soil Samples
- Soil Boring
- CAMP Monitor Location
- Approximate Extent of Excavation Area

DATA SOURCES:
ESRI Basemaps
Westchester County GeoHub

Feet
0 10 20

Project No.:	JA257006
Date:	May 2026
Drawn By:	HPM
Reviewed By:	MMW

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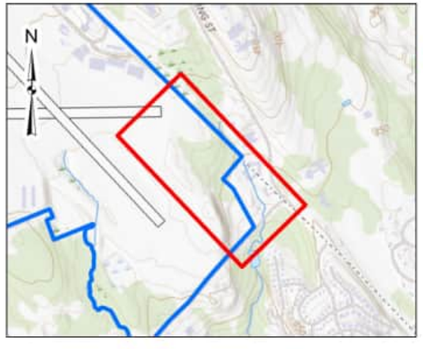
HVAC Upgrades Work Area Limits – Soil Sample Locations and CAMP Monitoring Stations

Westchester County Airport
West Harrison, New York

Exhibit

3





Legend

- BCP Site Boundary
- Final Soil Relocation

DATA SOURCES:
ESRI Basemaps
Westchester County GeoHub

Feet
0 250 500

Project No.:	JA257006
Date:	May 2026
Drawn By:	HPM
Reviewed By:	MMW

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HVAC Upgrades Area of Soil Reuse

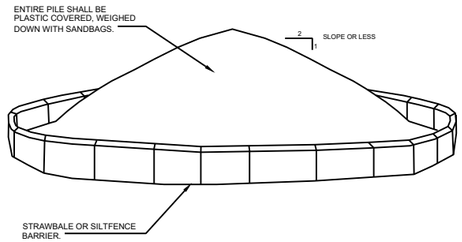
Westchester County Airport
West Harrison, New York

Exhibit

4

Appendix B

Passenger Terminal HVAC-1 and HVAC-2 Upgrades Construction Documents



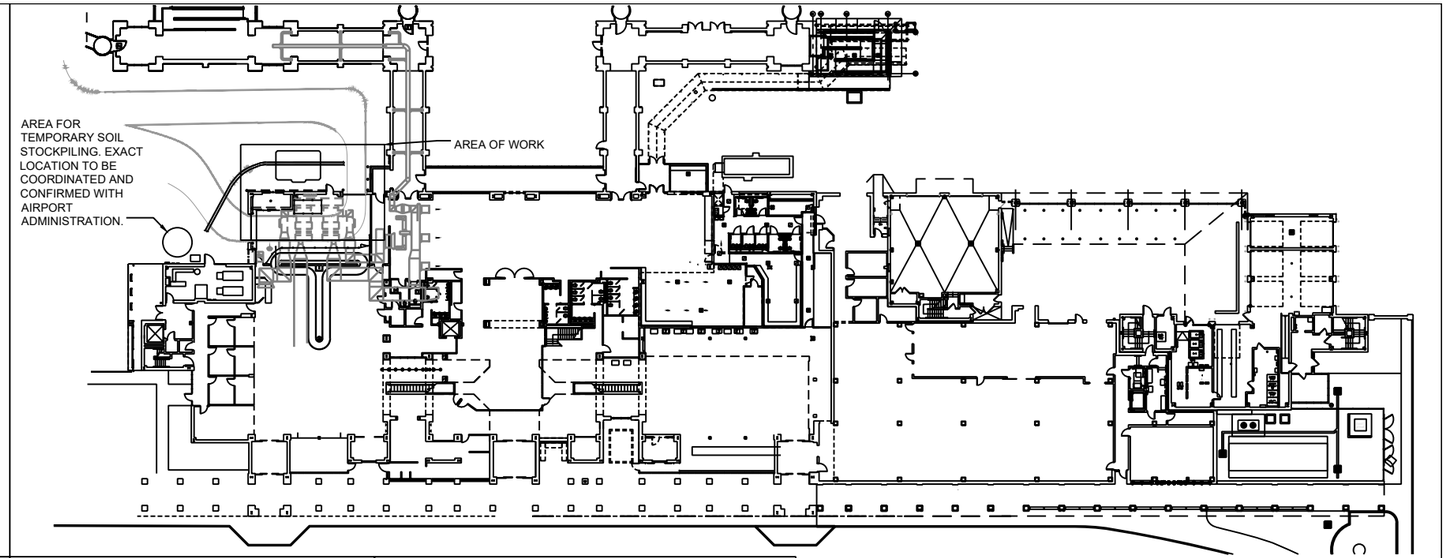
INSTALLATION NOTES:

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.

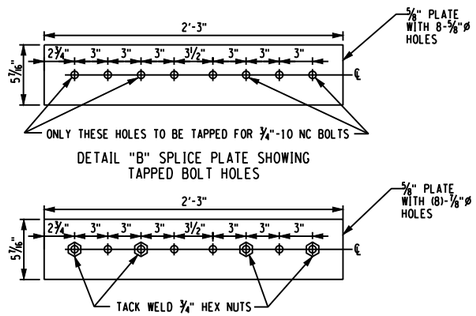
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.

3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN COVERED WITH A PLASTIC COVER WEIGHED DOWN WITH SANDBAGS CONTINUOUSLY AROUND THE PERIMETER.

SOIL STOCKPILING
NOT TO SCALE

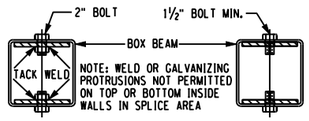


2 FIRST FLOOR KEY PLAN
SCALE: 1/32" = 1'-0"
NORTH



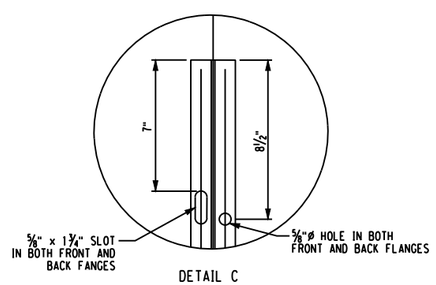
DETAIL "B" SPLICE PLATE SHOWING TAPPED BOLT HOLES

DETAIL "B" SPLICE PLATE SHOWING ¾" HEX NUTS WELDED TO PLATE

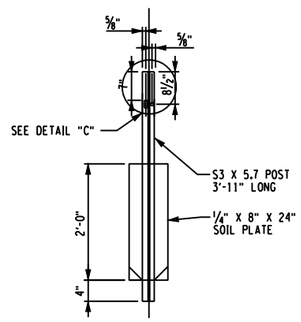


SECTION A-A
SPLICE PLATE SHOWING ¾" HEX NUTS WELDED TO PLATE

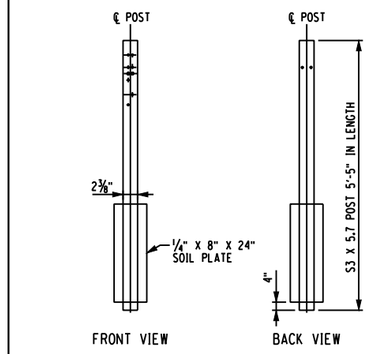
SECTION A-A
SPLICE PLATE SHOWING TAPPED BOLT HOLES



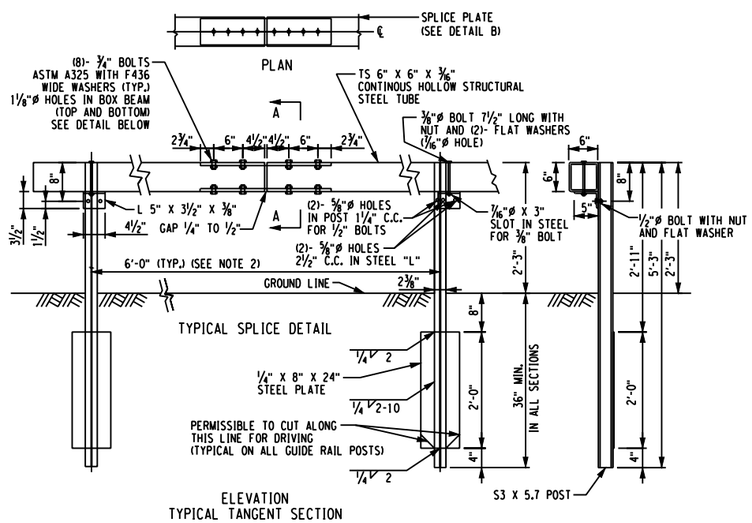
DETAIL C



ANCHOR POST DETAIL



UNIVERSAL POST



IN CHARGE OF PATRICK LYNCH, P.E.
CHECKED BY ROBERT SPINA, P.E. / JOSEPH FIERRO, P.E.
MADE BY JOHN TESSER P.E. / GIOVANNI DEL CID, P.E.

STRUCTURAL ENGINEER

CONLON ENGINEERING, LLC
246 FEDERAL ROAD, SUITE B23
BROOKFIELD, CONNECTICUT 06804
203-740-0990

MEP ENGINEER

OLA Consulting Engineers
50 Broadway,
Hawthorne, NY 10532
914.747.2800

8 West 38th Street,
Suite 900
New York, NY 10018
- 646.849.4110

olace.com

STATE OF NEW YORK · PATRICK F. LYNCH · 085467 · LICENSED PROFESSIONAL ENGINEER

PROJECT NORTH

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

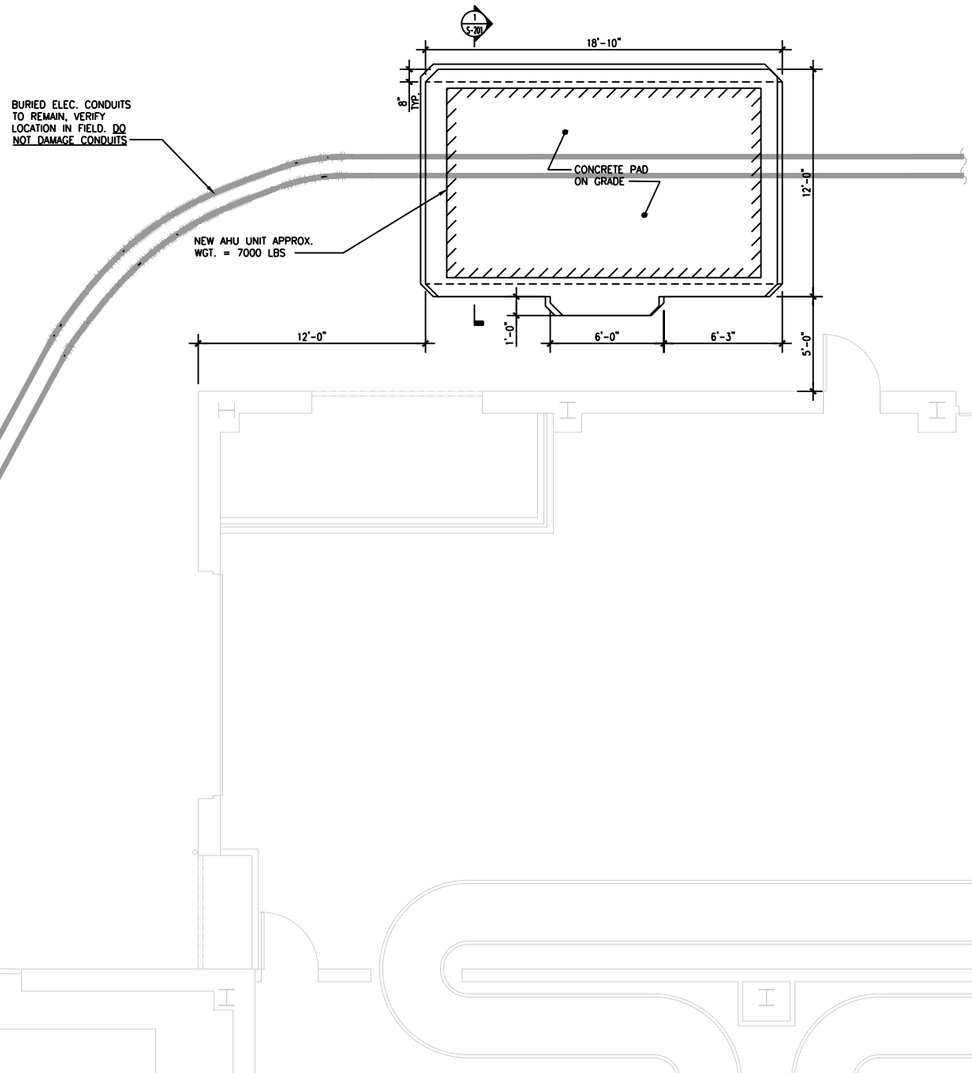
PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

TERMINAL BUILDING HVAC-1 & HVAC-2 UPGRADES
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON, NORTH CASTLE & VILLAGE OF RYE BROOK

GENERAL CONSTRUCTION DETAILS

CONTRACT NUMBER	SHEET NUMBER
23-532-Rev.	GC-701
SHEET NO. 5 OF 19	
SCALE: AS SHOWN DATE: 10/29/24	
DPW FILE NO. 48-15-G-878-0	REV. NO. 0

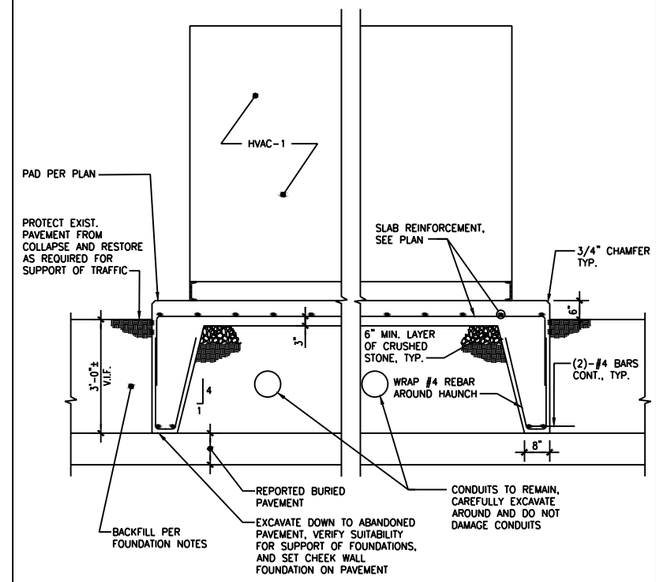


MECHANICAL EQUIP. FOUNDATION PLAN

1/4" = 1'-0"

NORTH:

- DO NOT SCALE THIS DRAWING, ALL DIMENSIONS AND ELEVATIONS SHALL BE V.I.F.
- NEW EQUIPMENT PAD CONSTRUCTION: 8" CONCRETE SLAB REINFORCED WITH #4 AT 18"o.c. EACH WAY.



SECTION

1/2" = 1'-0"

1 / S-201

IN CHARGE OF PATRICK CONLON

CHECKED BY PATRICK CONLON

MADE BY LEANDRO CARVALHO

PROJECT NORTH

STRUCTURAL ENGINEER

CONLON ENGINEERING, LLC
246 FEDERAL ROAD, SUITE B23
BROOKFIELD, CONNECTICUT 06804
203-740-0990

MEP ENGINEER

OLA Consulting Engineers
50 Broadway,
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8 West 38th Street,
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646.849.4110

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WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-532-Rev.
SHEET NUMBER S-201
SHEET NO. 2 OF 19

TERMINAL BUILDING HVAC-1 AND HVAC-2 UPGRADES
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON, NORTH CASTLE & VILLAGE OF RYE BROOK, NEW YORK
STRUCTURAL FLOOR PLAN

SCALE: AS SHOWN
DATE: 10/29/24
DPW FILE NO. 48-15-S-875
REV. NO. 0

Appendix C

Soil Boring Logs

HPN - Environmental Management
240 Airport Road, White Plains, NY,USA
Terracon Project No. JA257006

Latitude: 41.0684° Longitude: -73.7043°

BORING LOG NO. HVAC- SB1

2410 Walden Ave., Ste. 100
Cheektowaga, NY 14225-4745

Surface Elevation:
398.26(Ft) +/-

Graphic Log	Depth (Ft)	Material Description	Depth (Ft.)	Sample Type
		ASPHALT		
	1	**WELL-GRADED SAND WITH GRAVEL (SW)**, medium to coarse grained, brown, moist, loose, fiberglass encountered in the fill ~2ft		
	3			
	3.5	**POORLY GRADED GRAVEL (GP)**, coarse grained, sub-roundedgravel, gray, very loose, schist-like rock fragments		
	4	**SILTY SAND WITH GRAVEL (SM)**, medium to coarse grained, brown-green, moist		
	5	**VOID** ,No recovery	5.0	
		SILTY SAND (SM), medium to coarse grained, brown - gray, moist		
	7	**SILTY SAND WITH GRAVEL (SM)**, fine grained, brown-green		
		Boring Refusal at 8 Ft		

DRAFT

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes

Advancement Method
0-8 Ft. Direct Push

Abandonment Method
Boring backfilled with soil cuttings and patched with asphalt upon completion.

Logged By
Hayley Martinez

Boring Started
07/09/2025

Boring Completed
07/09/2025

HPN - Environmental Management
240 Airport Road, White Plains, NY,USA
Terracon Project No. JA257006

Latitude: 41.0683° Longitude: -75.0000°

BORING LOG NO. HVAC- SB2

2410 Walden Ave., Ste. 100
Cheektowaga, NY 14225-4745

Graphic Log	Lithology Depth (Ft.)	Material Description	Depth (Ft.)	Elevation (Ft.)	Sample Type	Recovery (In.)
		ASPHALT				
	1.0	**WELL-GRADED SAND WITH GRAVEL (SW)**, medium to coarse grained, brown				
	2.0					
	2.3	**ASPHALT** ,Possible cave-in				
		WELL-GRADED SAND WITH GRAVEL (SW), medium to coarse grained, brown				
	5.0	**WELL-GRADED SAND WITH GRAVEL (SW)**, medium to coarse grained, gray - black	5			
	6.5					
	7.0	**PARTIALLY WEATHERED ROCK** - fragments, schist-like				
		WELL-GRADED SAND WITH GRAVEL (SW), fine to medium grained, gray - brown				
	9.5	**SILTY SAND (SM)**, fine to medium grained, brown				
		Boring Terminated at 10 Ft				

DRAFT

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes

Advancement Method
0-10 Ft. 2" Direct Push

Abandonment Method
Boring backfilled with soil cuttings and patched with asphalt upon completion.

Logged By
Hayley Martinez

Boring Started
07/09/2025

Boring Completed
07/09/2025

Appendix D

NYSDEC Approvals

NEW YORK STATE | Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Commissioner

Transmitted via Email

November 24, 2025

Andrew Koons
Project Geologist
2410 Walden Ave, Ste 100
Buffalo, NY 14225
Andrew.koons@terracon.com

Re: Request to Import/Reuse Fill or Soil
Westchester County Airport, Site No.: C360174
240 Airport Road, West Harrison, NY 10604

Dear Andrew Koons:

The New York State Department of Environmental Conservation (Department) has reviewed the Request to Import/Reuse Fill or Soil form submitted for the Westchester County Airport (site) located at 240 Airport Road, West Harrison, New York, dated November 19, 2025. The request is to reuse 0 to 50 cubic yards of soil produced during excavation for construction of a concrete pad to house a heating, ventilation and air conditioning (HVAC) unit within the boundary of the above referenced Brownfield Cleanup Program (BCP) site. The material is proposed to be reused to infill depressions in the area of the active fire testing and training area on-site. Based on the information provided, the request is hereby approved. The material meets the requirements specified in section 5.4(e)5 of DER-10. Testing in accordance with DER-10 and approval by the Department is required for any additional material to be reused on or imported to the site.

If you have questions or any issues arise, please feel free to contact me at 518-402-2029 or email: greta.kowalski@dec.ny.gov.

Sincerely,

Greta Kowalski

Greta Kowalski, P.G.
Project Manager
Remedial Action Bureau C
Division of Environmental Remediation

EC: A. Gasparri, Westchester County (axgc@westchestercountyny.gov)
F. Tejada, Westchester County (fjtc@westchestercountyny.gov)
M. Patterson-Wittman, Terracon (Michele.wittman@terracon.com)
D. Pomeroy, Terracon (Don.pomeroy@terracon.com)
H. Martinez, Terracon (Hayley.martinez@terracon.com)
K. Charney, Terracon (kris.charney@terracon.com)
S. McCague, NYSDEC Region 3 (steven.mccague@dec.ny.gov)
S. Saucier, NYSDEC (sarah.saucier@dec.ny.gov)
K. Thompson, NYSDEC (kiera.thompson@dec.ny.gov)
M. Doroski, NYSDOH (melissa.doroski@health.ny.gov)
K. Kulow, NYSDOH (Kristin.kulow@health.ny.gov)

Appendix E

Laboratory Analytical Results

Technical Report

prepared for:

Terracon Consultants, Inc.
201 Hammer Mill Rd
Rocky Hill CT, 06067
Attention: Don Pomeroy

Report Date: 09/08/2025
Client Project ID: HPN HVAC J4257006, 10.2
York Project (SDG) No.: 25H1535

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723

Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 09/08/2025
Client Project ID: HPN HVAC J4257006, 10.2
York Project (SDG) No.: 25H1535

Terracon Consultants, Inc.
201 Hammer Mill Rd
Rocky Hill CT, 06067
Attention: Don Pomeroy

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 21, 2025 and listed below. The project was identified as your project: **HPN HVAC J4257006, 10.2**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

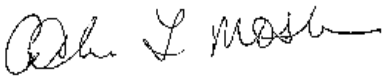
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
25H1535-01	HVAC SW North-S-1	Soil	08/20/2025	08/21/2025
25H1535-02	HVAC SW South-S-1	Soil	08/20/2025	08/21/2025
25H1535-03	HVAC SW East-S-1	Soil	08/20/2025	08/21/2025
25H1535-04	HVAC SW West-S-1	Soil	08/20/2025	08/21/2025
25H1535-05	HVAC SW North 1-3	Soil	08/20/2025	08/21/2025
25H1535-06	HVAC SW South 1-3	Soil	08/20/2025	08/21/2025
25H1535-07	HVAC SW East 1-3	Soil	08/20/2025	08/21/2025
25H1535-08	HVAC SW West 1-3	Soil	08/20/2025	08/21/2025
25H1535-09	HVAC Bottom 3 ft	Soil	08/20/2025	08/21/2025
25H1535-10	HVAC DUP	Soil	08/20/2025	08/21/2025
25H1535-11	Trip Blank	Water	08/20/2025	08/21/2025
25H1535-12	Field Blank	Water	08/20/2025	08/21/2025

General Notes for York Project (SDG) No.: 25H1535

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By: 

Date: 09/08/2025

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: HVAC SW North-S-1 **York Sample ID:** 25H1535-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
71-55-6	1,1,1-Trichloroethane	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
79-00-5	1,1,2-Trichloroethane	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
75-34-3	1,1-Dichloroethane	ND	CCVE, QL-02, ICVE, IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
75-35-4	1,1-Dichloroethylene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
106-93-4	1,2-Dibromoethane	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
107-06-2	1,2-Dichloroethane	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
78-87-5	1,2-Dichloropropane	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS

Sample Information

Client Sample ID: HVAC SW North-S-1 **York Sample ID:** 25H1535-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
78-93-3	2-Butanone	ND	QL-02, ICVE, IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
591-78-6	2-Hexanone	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
108-10-1	4-Methyl-2-pentanone	ND	CCVE, IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
67-64-1	**Acetone**	**0.22**	CCVE, IS-LO, E	mg/kg dry	0.0019	0.0038	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEI	08/26/2025 10:55	PRS
107-02-8	Acrolein	ND	CCVE, IS-LO	mg/kg dry	0.0019	0.0038	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
107-13-1	Acrylonitrile	ND	CCVE, ICVE, IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
71-43-2	Benzene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
74-97-5	Bromochloromethane	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6	08/26/2025 10:55	PRS
75-27-4	Bromodichloromethane	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
75-25-2	Bromoform	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
74-83-9	Bromomethane	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
75-15-0	Carbon disulfide	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
56-23-5	Carbon tetrachloride	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
108-90-7	Chlorobenzene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
75-00-3	Chloroethane	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
67-66-3	Chloroform	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
74-87-3	Chloromethane	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS

Sample Information

Client Sample ID: HVAC SW North-S-1 **York Sample ID:** 25H1535-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
10061-01-5	cis-1,3-Dichloropropylene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
110-82-7	Cyclohexane	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
124-48-1	Dibromochloromethane	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
74-95-3	Dibromomethane	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
75-71-8	Dichlorodifluoromethane	ND	CCVE, IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
100-41-4	Ethyl Benzene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
87-68-3	Hexachlorobutadiene	ND	QL-02, IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
98-82-8	Isopropylbenzene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
79-20-9	Methyl acetate	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
108-87-2	Methylcyclohexane	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
75-09-2	**Methylene chloride**	**0.0024**	IS-LO, J	mg/kg dry	0.0019	0.0038	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY12058	PRS
104-51-8	n-Butylbenzene	ND	QL-02, IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
103-65-1	n-Propylbenzene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
95-47-6	o-Xylene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	PRS
179601-23-1	p- & m- Xylenes	ND	IS-LO	mg/kg dry	0.0019	0.0038	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	PRS
99-87-6	p-Isopropyltoluene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
135-98-8	sec-Butylbenzene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 10:55 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS

Sample Information

Client Sample ID: HVAC SW North-S-1 **York Sample ID:** 25H1535-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
75-65-0	tert-Butyl alcohol (TBA)	ND	IS-LO	mg/kg dry	0.0047	0.0095	1	EPA 8260D Certifications:	08/26/2025 08:50 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/26/2025 10:55	PRS
98-06-6	tert-Butylbenzene	ND	QL-02, IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
127-18-4	Tetrachloroethylene	ND	QL-02, IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
108-88-3	Toluene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
156-60-5	trans-1,2-Dichloroethylene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
10061-02-6	trans-1,3-Dichloropropylene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
110-57-6	* trans-1,4-dichloro-2-butene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840	08/26/2025 10:55	PRS
79-01-6	Trichloroethylene	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
75-69-4	Trichlorofluoromethane	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
75-01-4	Vinyl Chloride	ND	IS-LO	mg/kg dry	0.00095	0.0019	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS
1330-20-7	Xylenes, Total	ND	IS-LO	mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 10:55	PRS

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*244 %*	S-08, S-03, IS-LO	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*89.7 %*	IS-LO	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.1 %*	IS-LO	*76-130*

Q_P_PFAS, EPA 1633a NFDHA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.431	0.442	1	EPA 1633A Certifications:	09/06/2025 10:13 NYSDOH-NY12058	09/07/2025 22:38	AM

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **HVAC SW North-S-1** **York Sample ID:** **25H1535-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.0773	0.196	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0552	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.122	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**0.141**	J	ug/kg dry	0.0773	0.202	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.0773	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**1.75**		ug/kg dry	0.0773	0.206	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.155	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.0884	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
2058-94-8	**Perfluoroundecanoic acid (PFUnA)**	**0.137**	J	ug/kg dry	0.122	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.0884	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.122	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.144	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.0884	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.552	0.552	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.0884	0.442	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
754-91-6	**Perfluoro-1-octanesulfonamide (FOSA)**	**0.0456**	J	ug/kg dry	0.0331	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.0773	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.0663	0.213	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.199	0.840	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.177	0.849	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM

Sample Information

Client Sample ID: HVAC SW North-S-1 **York Sample ID:** 25H1535-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.177	0.884	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.0663	0.393	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0442	0.442	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.133	0.442	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.0773	0.208	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.243	0.829	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CC V-L	ug/kg dry	0.254	0.884	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.243	0.835	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.298	0.826	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
919005-14-4	ADONA	ND		ug/kg dry	0.287	0.835	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.166	0.214	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.155	0.212	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	0.354	1.10	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	0.807	5.52	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	1.04	5.52	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	0.807	2.21	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.144	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	0.508	2.21	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.0994	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:38	AM

Sample Information

Client Sample ID: **HVAC SW North-S-1** **York Sample ID:** **25H1535-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**			**Acceptance Range**						
M3PFBS	*Surrogate: M3PFBS*	*124 %*			*40-135*						
338-30-1	*Surrogate: M5PFHxA*	*91.3 %*			*40-130*						
13C4PFHPA	*Surrogate: M4PFHpA*	*100 %*			*40-130*						
13C3PFHXS	*Surrogate: M3PFHxS*	*110 %*			*40-130*						
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*111 %*			*40-130*						
13C6PFDA	*Surrogate: M6PFDA*	*103 %*			*40-130*						
13C7PFUNA	*Surrogate: M7PFUdA*	*103 %*			*40-130*						
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*98.9 %*			*40-130*						
13C2PFTEDA	*Surrogate: M2PFTeDA*	*90.5 %*			*20-130*						
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*105 %*			*8-130*						
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*112 %*			*40-130*						
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*90.2 %*			*35-130*						
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*92.8 %*			*40-130*						
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*114 %*			*40-135*						
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*116 %*			*40-150*						
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*57.2 %*			*40-215*						
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*62.4 %*			*40-275*						
13C9PFNA	*Surrogate: M9PFNA*	*127 %*			*40-130*						
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*46.3 %*			*40-165*						
936109-37-4	*Surrogate: d-N-MeFOSA*	*75.6 %*			*10-130*						
936109-40-9	*Surrogate: d-N-EtFOSA*	*69.8 %*			*10-130*						
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*106 %*			*40-130*						
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*69.4 %*			*15-130*						
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*68.4 %*			*20-130*						

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.3**		%	0.100	1	SM 2540G	08/25/2025 06:05	08/25/2025 10:10	SMM
							Certifications: CTDPH-PH-0840			

Sample Information

Client Sample ID: HVAC SW South-S-1 **York Sample ID:** 25H1535-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 11:24 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 11:24 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 11:24 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 11:24 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 11:24 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
75-34-3	1,1-Dichloroethane	ND	CCVE, ICVE, QL-02	mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 11:24 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 11:24 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 11:24 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 11:24 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 11:24 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 11:24 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 11:24 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 11:24 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 11:24 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 11:24 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 11:24 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 11:24 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50	08/26/2025 11:24 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS

Sample Information

Client Sample ID: **HVAC SW South-S-1** **York Sample ID:** **25H1535-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
78-93-3	2-Butanone	ND	ICVE, QL-02	mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
108-10-1	4-Methyl-2-pentanone	ND	CCVE	mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
67-64-1	**Acetone**	**0.016**	CCVE	mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEI	08/26/2025 11:24	PRS
107-02-8	Acrolein	ND	CCVE	mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
107-13-1	Acrylonitrile	ND	CCVE, ICVE	mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
71-43-2	Benzene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/26/2025 11:24	PRS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
75-25-2	Bromoform	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
74-83-9	Bromomethane	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
75-00-3	Chloroethane	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
67-66-3	Chloroform	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
74-87-3	Chloromethane	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS

Sample Information

Client Sample ID: HVAC SW South-S-1 **York Sample ID:** 25H1535-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/26/2025 11:24	PRS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/26/2025 11:24	PRS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/26/2025 11:24	PRS
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/26/2025 11:24	PRS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
87-68-3	Hexachlorobutadiene	ND	QL-02	mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/26/2025 11:24	PRS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/26/2025 11:24	PRS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/26/2025 11:24	PRS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY12058	08/26/2025 11:24	PRS
104-51-8	n-Butylbenzene	ND	QL-02	mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
95-47-6	o-Xylene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	08/26/2025 11:24	PRS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	08/26/2025 11:24	PRS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
100-42-5	Styrene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS

Sample Information

Client Sample ID: HVAC SW South-S-1 **York Sample ID:** 25H1535-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0051	0.010	1	EPA 8260D Certifications:	08/26/2025 08:50 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/26/2025 11:24	PRS
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
108-88-3	Toluene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840	08/26/2025 11:24	PRS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0010	0.0020	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260D Certifications:	08/26/2025 08:50 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 11:24	PRS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*108 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*116 %*	*76-130*

Q_P_PFAS, EPA 1633a NFDHA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.431	0.442	1	EPA 1633A Certifications:	09/06/2025 10:13 NYSDOH-NY12058	09/07/2025 22:54	AM

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: **HVAC SW South-S-1** **York Sample ID:** **25H1535-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.0773	0.196	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0552	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.122	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.0773	0.202	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.0773	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**0.812**		ug/kg dry	0.0773	0.205	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.155	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.0884	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.122	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.0884	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.122	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.144	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.0884	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.552	0.552	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.0884	0.442	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.0331	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.0773	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.0663	0.213	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.199	0.840	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM

Sample Information

Client Sample ID: HVAC SW South-S-1 **York Sample ID:** 25H1535-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.177	0.848	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.177	0.884	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.0663	0.393	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0442	0.442	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.133	0.442	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.0773	0.208	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.243	0.829	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CCV-L	ug/kg dry	0.254	0.884	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.243	0.835	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.298	0.826	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
919005-14-4	ADONA	ND		ug/kg dry	0.287	0.835	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.166	0.214	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.155	0.212	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	0.354	1.10	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	0.806	5.52	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	1.04	5.52	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	0.806	2.21	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.144	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	0.508	2.21	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM

Sample Information

Client Sample ID: HVAC SW South-S-1 **York Sample ID:** 25H1535-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.0994	0.221	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:54	AM

	Surrogate Recoveries	Result		Acceptance Range
M3PFBS	*Surrogate: M3PFBS*	*117 %*		*40-135*
338-30-1	*Surrogate: M5PFHxA*	*93.6 %*		*40-130*
13C4PFHPA	*Surrogate: M4PFHpA*	*104 %*		*40-130*
13C3PFHXS	*Surrogate: M3PFHxS*	*106 %*		*40-130*
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*113 %*		*40-130*
13C6PFDA	*Surrogate: M6PFDA*	*108 %*		*40-130*
13C7PFUNA	*Surrogate: M7PFUdA*	*106 %*		*40-130*
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*104 %*		*40-130*
13C2PFTEDA	*Surrogate: M2PFTeDA*	*90.3 %*		*20-130*
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*106 %*		*8-130*
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*107 %*		*40-130*
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*90.3 %*		*35-130*
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*90.3 %*		*40-130*
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*107 %*		*40-135*
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*112 %*		*40-150*
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*50.7 %*		*40-215*
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*56.8 %*		*40-275*
13C9PFNA	*Surrogate: M9PFNA*	*127 %*		*40-130*
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*38.5 %*	PFSu-L	*40-165*
936109-37-4	*Surrogate: d-N-MeFOSA*	*70.0 %*		*10-130*
936109-40-9	*Surrogate: d-N-EtFOSA*	*66.7 %*		*10-130*
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*106 %*		*40-130*
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*72.4 %*		*15-130*
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*68.6 %*		*20-130*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.3**		%	0.100	1	SM 2540G Certifications: CTDPH-PH-0840	08/25/2025 06:05	08/25/2025 10:10	SMM

Sample Information

Client Sample ID: HVAC SW East-S-1 **York Sample ID:** 25H1535-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS

Sample Information

Client Sample ID: HVAC SW East-S-1 **York Sample ID:** 25H1535-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
78-93-3	2-Butanone	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
591-78-6	2-Hexanone	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
67-64-1	Acetone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
107-02-8	Acrolein	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
71-43-2	Benzene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
75-25-2	Bromoform	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
74-83-9	Bromomethane	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
75-00-3	Chloroethane	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
67-66-3	Chloroform	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS

Sample Information

Client Sample ID: HVAC SW East-S-1 **York Sample ID:** 25H1535-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
110-82-7	Cyclohexane	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
74-95-3	Dibromomethane	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
75-71-8	Dichlorodifluoromethane	ND	ICVE	mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
79-20-9	Methyl acetate	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY12058	PRS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
95-47-6	o-Xylene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	PRS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	PRS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
100-42-5	Styrene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 09:54 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS

Sample Information

Client Sample ID: HVAC SW East-S-1 **York Sample ID:** 25H1535-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260D Certifications:	08/23/2025 07:52 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/23/2025 09:54	PRS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 09:54	PRS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 09:54	PRS
108-88-3	Toluene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 09:54	PRS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 09:54	PRS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 09:54	PRS
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840	08/23/2025 09:54	PRS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 09:54	PRS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 09:54	PRS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.00098	0.0020	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 09:54	PRS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 09:54	PRS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*117 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*	*76-130*

Q_P_PFAS, EPA 1633a NFDHA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.427	0.438	1	EPA 1633A Certifications:	09/06/2025 10:13 NYSDOH-NY12058	09/07/2025 23:09	AM

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: HVAC SW East-S-1 **York Sample ID:** 25H1535-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.0766	0.194	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**0.0774**	J	ug/kg dry	0.0547	0.219	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.120	0.219	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**0.291**		ug/kg dry	0.0766	0.200	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
335-67-1	**Perfluorooctanoic acid (PFOA)**	**0.104**	J	ug/kg dry	0.0766	0.219	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**2.15**		ug/kg dry	0.0766	0.204	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.153	0.219	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.0876	0.219	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
2058-94-8	**Perfluoroundecanoic acid (PFUnA)**	**0.157**	J	ug/kg dry	0.120	0.219	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.0876	0.219	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.120	0.219	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.142	0.219	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.0876	0.219	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.547	0.547	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**0.103**	J	ug/kg dry	0.0876	0.438	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.0328	0.219	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.0766	0.219	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.0657	0.211	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.197	0.832	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM

Sample Information

Client Sample ID: HVAC SW East-S-1 **York Sample ID:** 25H1535-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.175	0.841	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.175	0.876	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.0657	0.390	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0438	0.438	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.131	0.438	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.0766	0.206	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.241	0.821	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CCV-L	ug/kg dry	0.252	0.876	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.241	0.828	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.296	0.819	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
919005-14-4	ADONA	ND		ug/kg dry	0.285	0.828	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.164	0.212	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.153	0.210	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	0.350	1.09	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	0.799	5.47	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	1.03	5.47	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	0.799	2.19	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.142	0.219	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	0.504	2.19	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM

Sample Information

Client Sample ID: HVAC SW East-S-1 **York Sample ID:** 25H1535-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.0985	0.219	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:09	AM

	Surrogate Recoveries	Result		Acceptance Range
M3PFBS	*Surrogate: M3PFBS*	*119 %*		*40-135*
338-30-1	*Surrogate: M5PFHxA*	*94.4 %*		*40-130*
13C4PFHPA	*Surrogate: M4PFHpA*	*104 %*		*40-130*
13C3PFHXS	*Surrogate: M3PFHxS*	*108 %*		*40-130*
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*108 %*		*40-130*
13C6PFDA	*Surrogate: M6PFDA*	*101 %*		*40-130*
13C7PFUNA	*Surrogate: M7PFUdA*	*102 %*		*40-130*
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*98.4 %*		*40-130*
13C2PFTEDA	*Surrogate: M2PFTeDA*	*85.0 %*		*20-130*
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*103 %*		*8-130*
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*105 %*		*40-130*
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*89.2 %*		*35-130*
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*83.7 %*		*40-130*
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*98.5 %*		*40-135*
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*97.4 %*		*40-150*
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*55.2 %*		*40-215*
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*60.2 %*		*40-275*
13C9PFNA	*Surrogate: M9PFNA*	*128 %*		*40-130*
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*39.2 %*	PFSu-L	*40-165*
936109-37-4	*Surrogate: d-N-MeFOSA*	*66.8 %*		*10-130*
936109-40-9	*Surrogate: d-N-EtFOSA*	*59.8 %*		*10-130*
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*98.7 %*		*40-130*
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*74.4 %*		*15-130*
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*64.2 %*		*20-130*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.3**		%	0.100	1	SM 2540G Certifications: CTDPH-PH-0840	08/25/2025 06:05	08/25/2025 10:10	SMM

Sample Information

Client Sample ID: **HVAC SW West-S-1** **York Sample ID:** **25H1535-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/23/2025 16:45	PRS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/23/2025 16:45	PRS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/23/2025 16:45	PRS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS

Sample Information

Client Sample ID: HVAC SW West-S-1 **York Sample ID:** 25H1535-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
67-64-1	**Acetone**	**0.021**	QL-02, CCVE, ICVE	mg/kg dry	0.0050	0.010	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEI	08/23/2025 16:45	PRS
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.010	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6	08/23/2025 16:45	PRS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS

Sample Information

Client Sample ID: HVAC SW West-S-1 **York Sample ID:** 25H1535-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 16:45 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 16:45 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 16:45 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 16:45 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
75-71-8	Dichlorodifluoromethane	ND	ICVE	mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 16:45 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 16:45 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 16:45 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 16:45 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 16:45 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 16:45 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 16:45 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0050	0.010	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 16:45 CTDPH-PH-0840,NYSDOH-NY12058	PRS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 16:45 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 16:45 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 16:45 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	PRS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.010	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 16:45 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	PRS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 16:45 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 16:45 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 16:45 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS

Sample Information

Client Sample ID: HVAC SW West-S-1 **York Sample ID:** 25H1535-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.012	0.025	1	EPA 8260D Certifications:	08/23/2025 07:52 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/23/2025 16:45	PRS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840	08/23/2025 16:45	PRS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 16:45	PRS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*113 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*76-130*

Q_P_PFAS, EPA 1633a NFDHA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.432	0.443	1	EPA 1633A Certifications:	09/06/2025 10:13 NYSDOH-NY12058	09/07/2025 23:24	AM

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: **HVAC SW West-S-1** **York Sample ID:** **25H1535-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.0776	0.196	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0554	0.222	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.122	0.222	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**0.150**	J	ug/kg dry	0.0776	0.203	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.0776	0.222	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**0.567**		ug/kg dry	0.0776	0.206	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.155	0.222	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.0886	0.222	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.122	0.222	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
307-55-1	**Perfluorododecanoic acid (PFDoA)**	**0.0903**	J	ug/kg dry	0.0886	0.222	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.122	0.222	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.144	0.222	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.0886	0.222	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.554	0.554	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.0886	0.443	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.0332	0.222	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.0776	0.222	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.0665	0.214	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.199	0.842	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM

Sample Information

Client Sample ID: HVAC SW West-S-1 **York Sample ID:** 25H1535-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.177	0.851	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.177	0.886	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.0665	0.394	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0443	0.443	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.133	0.443	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.0776	0.208	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.244	0.831	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CCV-L	ug/kg dry	0.255	0.886	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.244	0.838	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.299	0.829	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
919005-14-4	ADONA	ND		ug/kg dry	0.288	0.838	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.166	0.215	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.155	0.213	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	0.355	1.11	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	0.809	5.54	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	1.04	5.54	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	0.809	2.22	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.144	0.222	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	0.510	2.22	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM

Sample Information

Client Sample ID: **HVAC SW West-S-1** **York Sample ID:** **25H1535-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.0997	0.222	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:24	AM

	Surrogate Recoveries	Result	Acceptance Range
M3PFBS	*Surrogate: M3PFBS*	*124 %*	*40-135*
338-30-1	*Surrogate: M5PFHxA*	*89.8 %*	*40-130*
13C4PFHPA	*Surrogate: M4PFHpA*	*99.5 %*	*40-130*
13C3PFHXS	*Surrogate: M3PFHxS*	*112 %*	*40-130*
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*108 %*	*40-130*
13C6PFDA	*Surrogate: M6PFDA*	*105 %*	*40-130*
13C7PFUNA	*Surrogate: M7PFUdA*	*109 %*	*40-130*
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*103 %*	*40-130*
13C2PFTEDA	*Surrogate: M2PFTeDA*	*91.6 %*	*20-130*
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*97.2 %*	*8-130*
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*107 %*	*40-130*
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*87.2 %*	*35-130*
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*86.9 %*	*40-130*
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*103 %*	*40-135*
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*97.3 %*	*40-150*
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*54.4 %*	*40-215*
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*56.7 %*	*40-275*
13C9PFNA	*Surrogate: M9PFNA*	*129 %*	*40-130*
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*40.0 %*	*40-165*
936109-37-4	*Surrogate: d-N-MeFOSA*	*76.6 %*	*10-130*
936109-40-9	*Surrogate: d-N-EtFOSA*	*76.3 %*	*10-130*
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*109 %*	*40-130*
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*73.7 %*	*15-130*
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*67.8 %*	*20-130*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.6**		%	0.100	1	SM 2540G Certifications: CTDPH-PH-0840	08/25/2025 06:05	08/25/2025 10:10	SMM

Sample Information

Client Sample ID: **HVAC SW North 1-3** **York Sample ID:** **25H1535-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

SVOA, 8270 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/29/2025 01:16	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0918	0.183	2	EPA 8270E Certifications:	08/26/2025 09:21 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/29/2025 01:16	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 NYSDOH-NY10854,PADEP-68-04440	08/29/2025 01:16	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/29/2025 01:16	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 NYSDOH-NY10854,PADEP-68-04440	08/29/2025 01:16	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 NYSDOH-NY10854,PADEP-68-04440	08/29/2025 01:16	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0918	0.183	2	EPA 8270E Certifications:	08/26/2025 09:21 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/29/2025 01:16	SS
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0918	0.183	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
91-57-6	**2-Methylnaphthalene**	**0.253**		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/29/2025 01:16	SS

Sample Information

Client Sample ID: HVAC SW North 1-3 **York Sample ID:** 25H1535-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

SVOA, 8270 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0918	0.183	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/29/2025 01:16	SS
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0918	0.183	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0918	0.183	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0918	0.183	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0918	0.183	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
83-32-9	**Acenaphthene**	**0.126**		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/29/2025 01:16	SS
208-96-8	**Acenaphthylene**	**0.453**		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/29/2025 01:16	SS
98-86-2	Acetophenone	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/29/2025 01:16	SS
62-53-3	Aniline	ND		mg/kg dry	0.184	0.368	2	EPA 8270E Certifications:	08/26/2025 09:21 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/29/2025 01:16	SS
120-12-7	**Anthracene**	**0.500**		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/29/2025 01:16	SS
1912-24-9	Atrazine	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/29/2025 01:16	SS

Sample Information

Client Sample ID: HVAC SW North 1-3 **York Sample ID:** 25H1535-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.368	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16 CTDPH-PH-0840,NYSDOH-NY10854,PADEP-68-04440	SS
56-55-3	**Benzo(a)anthracene**	**1.55**		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	SS
50-32-8	**Benzo(a)pyrene**	**1.46**		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	SS
205-99-2	**Benzo(b)fluoranthene**	**0.912**		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	SS
191-24-2	**Benzo(g,h,i)perylene**	**1.02**	CCVE	mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	SS
207-08-9	**Benzo(k)fluoranthene**	**0.856**		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	SS
65-85-0	Benzoic acid	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
105-60-2	Caprolactam	ND		mg/kg dry	0.0918	0.183	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
86-74-8	Carbazole	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
218-01-9	**Chrysene**	**1.73**		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	SS
53-70-3	**Dibenzo(a,h)anthracene**	**0.269**		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	SS
132-64-9	**Dibenzofuran**	**0.0595**	J	mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	SS
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS

Sample Information

Client Sample ID: HVAC SW North 1-3 **York Sample ID:** 25H1535-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
122-39-4	Diphenylamine	ND		mg/kg dry	0.0918	0.183	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16	SS NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440
206-44-0	**Fluoranthene**	**1.69**		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
86-73-7	**Fluorene**	**0.452**		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16	SS NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.589**		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
78-59-1	Isophorone	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
91-20-3	**Naphthalene**	**0.255**		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
85-01-8	**Phenanthrene**	**1.59**		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:16	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0

Sample Information

Client Sample ID: HVAC SW North 1-3 **York Sample ID:** 25H1535-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

SVOA, 8270 MASTER

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 01:16	SS
129-00-0	**Pyrene**	**4.62**		mg/kg dry	0.115	0.230	5	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/29/2025 22:48	AK

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*63.0 %*	*20-108*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*48.6 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*47.7 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*47.4 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*56.9 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*57.6 %*	*24-116*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications:	08/23/2025 07:10 NYSDOH-NY10854	08/26/2025 15:17	ss

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*76.0 %*	*39-127.5*

Q_P_PFAS, EPA 1633a NFDHA

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.434	0.445	1	EPA 1633A Certifications:	09/06/2025 10:13 NYSDOH-NY12058	09/07/2025 23:39	AM

Q_P_PFAS, EPA 1633a Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.0780	0.197	1	EPA 1633A Certifications:	09/06/2025 10:13 NYSDOH-NY12058	09/07/2025 23:39	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0557	0.223	1	EPA 1633A Certifications:	09/06/2025 10:13 NYSDOH-NY12058	09/07/2025 23:39	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.122	0.223	1	EPA 1633A Certifications:	09/06/2025 10:13 NYSDOH-NY12058	09/07/2025 23:39	AM

Sample Information

Client Sample ID: **HVAC SW North 1-3** **York Sample ID:** **25H1535-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**0.174**	J	ug/kg dry	0.0780	0.204	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.0780	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**1.35**		ug/kg dry	0.0780	0.207	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.156	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.0891	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
2058-94-8	**Perfluoroundecanoic acid (PFUnA)**	**0.129**	J	ug/kg dry	0.122	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.0891	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.122	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.145	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.0891	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.557	0.557	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.0891	0.445	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
754-91-6	**Perfluoro-1-octanesulfonamide (FOSA)**	**0.0384**	J	ug/kg dry	0.0334	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.0780	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.0668	0.215	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.200	0.846	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.178	0.855	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.178	0.891	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.0668	0.396	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM

Sample Information

Client Sample ID: **HVAC SW North 1-3** **York Sample ID:** **25H1535-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0445	0.445	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.134	0.445	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.0780	0.209	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.245	0.835	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CCV-L	ug/kg dry	0.256	0.891	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.245	0.842	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.301	0.833	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
919005-14-4	ADONA	ND		ug/kg dry	0.290	0.842	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.167	0.216	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.156	0.214	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	0.356	1.11	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	0.813	5.57	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	1.05	5.57	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	0.813	2.23	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.145	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	0.512	2.23	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.100	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:39	AM

	Surrogate Recoveries	Result	Acceptance Range
M3PFBS	*Surrogate: M3PFBS*	*124 %*	*40-135*
338-30-1	*Surrogate: M5PFHxA*	*95.1 %*	*40-130*
13C4PFHPA	*Surrogate: M4PFHpA*	*108 %*	*40-130*

Sample Information

Client Sample ID: **HVAC SW North 1-3** **York Sample ID:** **25H1535-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C3PFHXS	*Surrogate: M3PFHxS*	*108 %*			*40-130*						
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*118 %*			*40-130*						
13C6PFDA	*Surrogate: M6PFDA*	*106 %*			*40-130*						
13C7PFUNA	*Surrogate: M7PFUdA*	*107 %*			*40-130*						
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*102 %*			*40-130*						
13C2PFTEDA	*Surrogate: M2PFTeDA*	*92.2 %*			*20-130*						
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*103 %*			*8-130*						
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*109 %*			*40-130*						
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*90.9 %*			*35-130*						
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*93.3 %*			*40-130*						
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*105 %*			*40-135*						
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*113 %*			*40-150*						
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*58.6 %*			*40-215*						
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*62.5 %*			*40-275*						
13C9PFNA	*Surrogate: M9PFNA*	*124 %*			*40-130*						
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*45.6 %*			*40-165*						
936109-37-4	*Surrogate: d-N-MeFOSA*	*83.2 %*			*10-130*						
936109-40-9	*Surrogate: d-N-EtFOSA*	*79.8 %*			*10-130*						
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*101 %*			*40-130*						
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*79.5 %*			*15-130*						
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*72.3 %*			*20-130*						

PEST, 8081 MASTER

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
50-29-3	**4,4'-DDT**	**0.00258**		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
309-00-2	Aldrin	ND		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		

Sample Information

Client Sample ID: HVAC SW North 1-3 **York Sample ID:** 25H1535-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:00 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:00 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:00 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:00 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:00 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:00 CTDPH-PH-0840,NYSDOH-NY10854	RJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:00 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
72-20-8	Endrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:00 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:00 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:00 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:00 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:00 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:00 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:00 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.181	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:00 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0362	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:00	RJ

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*40.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*79.1 %*	*30-150*

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **HVAC SW North 1-3** **York Sample ID:** **25H1535-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:30	SCB
							Certifications:	NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:30	SCB
							Certifications:	NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:30	SCB
							Certifications:	NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:30	SCB
							Certifications:	NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:30	SCB
							Certifications:	NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:30	SCB
							Certifications:	NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:30	SCB
							Certifications:	NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:30	SCB
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*81.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*56.5 %*	*30-120*

Metals, Target Analyte **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**15500**		mg/kg dry	4.65	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-36-0	Antimony	ND		mg/kg dry	2.32	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-38-2	**Arsenic**	**3.25**		mg/kg dry	1.39	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-39-3	**Barium**	**112**		mg/kg dry	2.32	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-41-7	Beryllium	ND		mg/kg dry	0.047	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-43-9	**Cadmium**	**0.307**		mg/kg dry	0.279	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-70-2	**Calcium**	**4760**		mg/kg dry	4.65	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-47-3	**Chromium**	**25.0**		mg/kg dry	0.465	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		

Sample Information

Client Sample ID: HVAC SW North 1-3 **York Sample ID:** 25H1535-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-48-4	**Cobalt**	**12.3**		mg/kg dry	0.372	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-50-8	**Copper**	**37.2**		mg/kg dry	1.86	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-89-6	**Iron**	**24700**		mg/kg dry	23.2	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-92-1	**Lead**	**8.71**		mg/kg dry	0.465	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-95-4	**Magnesium**	**6450**		mg/kg dry	4.65	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-96-5	**Manganese**	**386**		mg/kg dry	0.465	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-02-0	**Nickel**	**19.0**		mg/kg dry	0.926	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-09-7	**Potassium**	**4160**		mg/kg dry	4.65	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7782-49-2	Selenium	ND		mg/kg dry	2.32	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-22-4	Silver	ND		mg/kg dry	0.469	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-23-5	**Sodium**	**622**		mg/kg dry	46.5	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-28-0	Thallium	ND		mg/kg dry	1.86	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-62-2	**Vanadium**	**44.7**		mg/kg dry	0.926	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-66-6	**Zinc**	**53.8**		mg/kg dry	2.32	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0335	1	EPA 7473	08/22/2025 11:45	08/22/2025 15:14	JWT
							Certifications:	CTDPH-PH-0840,NJDEP-CT005,NYSDOH-NY10854,PADEP-68-0		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: **HVAC SW North 1-3** **York Sample ID:** **25H1535-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.6**		%	0.100	1	SM 2540G	08/25/2025 06:05	08/25/2025 10:10	SMM
							Certifications: CTDPH-PH-0840			

Sample Information

Client Sample ID: **HVAC SW South 1-3** **York Sample ID:** **25H1535-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

SVOA, 8270 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
								Certifications: NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440			
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0896	0.179	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
								Certifications: NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440			
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
								Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0			
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
								Certifications: NYSDOH-NY10854,PADEP-68-04440			
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
								Certifications: NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440			
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
								Certifications: NYSDOH-NY10854,PADEP-68-04440			
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
								Certifications: NYSDOH-NY10854,PADEP-68-04440			
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0896	0.179	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
								Certifications: NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440			
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
								Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0			
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
								Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0			
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
								Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0			

Sample Information

Client Sample ID: HVAC SW South 1-3 **York Sample ID:** 25H1535-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0896	0.179	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
91-57-6	**2-Methylnaphthalene**	**0.0680**	J	mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0896	0.179	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45	SS NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0896	0.179	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0896	0.179	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0896	0.179	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0

Sample Information

Client Sample ID: HVAC SW South 1-3 **York Sample ID:** 25H1535-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

SVOA, 8270 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0896	0.179	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
83-32-9	Acenaphthene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
208-96-8	**Acenaphthylene**	**0.210**		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
98-86-2	Acetophenone	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
62-53-3	Aniline	ND		mg/kg dry	0.179	0.359	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
120-12-7	**Anthracene**	**0.190**		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
1912-24-9	Atrazine	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
92-87-5	Benzidine	ND		mg/kg dry	0.179	0.359	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,PADEP-68-04440	SS
56-55-3	**Benzo(a)anthracene**	**0.799**		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
50-32-8	**Benzo(a)pyrene**	**0.664**		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
205-99-2	**Benzo(b)fluoranthene**	**0.434**		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
191-24-2	**Benzo(g,h,i)perylene**	**0.462**	CCVE	mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
207-08-9	**Benzo(k)fluoranthene**	**0.400**		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
65-85-0	Benzoic acid	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS

Sample Information

Client Sample ID: HVAC SW South 1-3 **York Sample ID:** 25H1535-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

SVOA, 8270 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
105-60-2	Caprolactam	ND		mg/kg dry	0.0896	0.179	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
86-74-8	Carbazole	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
218-01-9	**Chrysene**	**0.863**		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	SS
53-70-3	**Dibenzo(a,h)anthracene**	**0.103**		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	SS
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
122-39-4	Diphenylamine	ND		mg/kg dry	0.0896	0.179	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
206-44-0	**Fluoranthene**	**0.732**		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	SS
86-73-7	**Fluorene**	**0.103**		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.276**		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	SS
78-59-1	Isophorone	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 01:45 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS

Sample Information

Client Sample ID: HVAC SW South 1-3 **York Sample ID:** 25H1535-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	**Naphthalene**	**0.0888**	J	mg/kg dry	0.0449	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
85-01-8	**Phenanthrene**	**0.564**		mg/kg dry	0.0449	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
108-95-2	Phenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
129-00-0	**Pyrene**	**1.69**		mg/kg dry	0.0449	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*67.5 %*	*20-108*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*53.0 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*51.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*55.4 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*64.7 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*68.2 %*	*24-116*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM	08/23/2025 07:10	08/26/2025 20:53	ss
							Certifications:	NYSDOH-NY10854		

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*110 %*	*39-127.5*

Q_P_PFAS, EPA 1633a NFDHA

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **HVAC SW South 1-3** **York Sample ID:** **25H1535-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.419	0.430	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM

Q_P_PFAS, EPA 1633a Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.0752	0.190	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0537	0.215	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.118	0.215	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**0.0946**	J	ug/kg dry	0.0752	0.197	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.0752	0.215	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**1.60**		ug/kg dry	0.0752	0.200	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.150	0.215	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.0860	0.215	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.118	0.215	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.0860	0.215	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.118	0.215	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.140	0.215	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.0860	0.215	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.537	0.537	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.0860	0.430	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.0322	0.215	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM

Sample Information

Client Sample ID: **HVAC SW South 1-3** **York Sample ID:** **25H1535-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.0752	0.215	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.0645	0.207	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.193	0.817	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.172	0.825	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.172	0.860	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.0645	0.383	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0430	0.430	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.129	0.430	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.0752	0.202	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.236	0.806	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CCV-L	ug/kg dry	0.247	0.860	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.236	0.812	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.290	0.804	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
919005-14-4	ADONA	ND		ug/kg dry	0.279	0.812	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.161	0.208	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.150	0.206	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	0.344	1.07	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	0.784	5.37	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	1.01	5.37	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM

Sample Information

Client Sample ID: **HVAC SW South 1-3** **York Sample ID:** **25H1535-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
24448-09-7	N-MeFOSE	ND		ug/kg dry	0.784	2.15	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.140	0.215	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	0.494	2.15	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.0967	0.215	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 23:55	AM

	Surrogate Recoveries	Result	Acceptance Range
M3PFBS	*Surrogate: M3PFBS*	*130 %*	*40-135*
338-30-1	*Surrogate: M5PFHxA*	*94.0 %*	*40-130*
13C4PFHPA	*Surrogate: M4PFHpA*	*109 %*	*40-130*
13C3PFHXS	*Surrogate: M3PFHxS*	*113 %*	*40-130*
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*113 %*	*40-130*
13C6PFDA	*Surrogate: M6PFDA*	*111 %*	*40-130*
13C7PFUNA	*Surrogate: M7PFUdA*	*114 %*	*40-130*
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*109 %*	*40-130*
13C2PFTEDA	*Surrogate: M2PFTeDA*	*95.0 %*	*20-130*
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*110 %*	*8-130*
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*114 %*	*40-130*
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*92.8 %*	*35-130*
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*92.4 %*	*40-130*
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*107 %*	*40-135*
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*112 %*	*40-150*
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*60.1 %*	*40-215*
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*63.4 %*	*40-275*
13C9PFNA	*Surrogate: M9PFNA*	*128 %*	*40-130*
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*44.1 %*	*40-165*
936109-37-4	*Surrogate: d-N-MeFOSA*	*72.9 %*	*10-130*
936109-40-9	*Surrogate: d-N-EtFOSA*	*73.0 %*	*10-130*
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*101 %*	*40-130*
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*79.8 %*	*15-130*
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*70.5 %*	*20-130*

Sample Information

Client Sample ID: HVAC SW South 1-3 **York Sample ID:** 25H1535-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

PEST, 8081 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
60-57-1	Dieldrin	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
76-44-8	Heptachlor	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
8001-35-2	Toxaphene	ND		mg/kg dry	0.177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		

Sample Information

Client Sample ID: HVAC SW South 1-3 **York Sample ID:** 25H1535-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0353	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:17	RJ

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*40.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*71.8 %*	*30-150*

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	08/24/2025 07:50 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	08/25/2025 19:44	SCB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	08/24/2025 07:50 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	08/25/2025 19:44	SCB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	08/24/2025 07:50 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	08/25/2025 19:44	SCB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	08/24/2025 07:50 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	08/25/2025 19:44	SCB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	08/24/2025 07:50 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	08/25/2025 19:44	SCB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	08/24/2025 07:50 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	08/25/2025 19:44	SCB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	08/24/2025 07:50 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	08/25/2025 19:44	SCB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 19:44	SCB

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*82.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*53.0 %*	*30-120*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**12000**		mg/kg dry	4.50	1	EPA 6010D Certifications:	08/26/2025 07:46 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/27/2025 12:11	AGNR
7440-36-0	Antimony	ND		mg/kg dry	2.25	1	EPA 6010D Certifications:	08/26/2025 07:46 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/27/2025 12:11	AGNR

Sample Information

Client Sample ID: **HVAC SW South 1-3** **York Sample ID:** **25H1535-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

Metals, Target Analyte **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**3.02**		mg/kg dry	1.35	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-39-3	**Barium**	**89.1**		mg/kg dry	2.25	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-41-7	Beryllium	ND		mg/kg dry	0.045	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-43-9	Cadmium	ND		mg/kg dry	0.270	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-70-2	**Calcium**	**17600**		mg/kg dry	4.50	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-47-3	**Chromium**	**22.5**		mg/kg dry	0.451	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-48-4	**Cobalt**	**8.99**		mg/kg dry	0.360	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-50-8	**Copper**	**36.6**		mg/kg dry	1.80	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-89-6	**Iron**	**18800**		mg/kg dry	22.5	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-92-1	**Lead**	**16.2**		mg/kg dry	0.451	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-95-4	**Magnesium**	**5790**		mg/kg dry	4.51	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-96-5	**Manganese**	**350**		mg/kg dry	0.451	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-02-0	**Nickel**	**15.6**		mg/kg dry	0.897	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-09-7	**Potassium**	**3030**		mg/kg dry	4.51	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7782-49-2	Selenium	ND		mg/kg dry	2.25	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-22-4	Silver	ND		mg/kg dry	0.454	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-23-5	**Sodium**	**355**		mg/kg dry	45.0	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-28-0	Thallium	ND		mg/kg dry	1.81	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-62-2	**Vanadium**	**33.6**		mg/kg dry	0.897	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-66-6	**Zinc**	**72.7**		mg/kg dry	2.24	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		

Sample Information

Client Sample ID: **HVAC SW South 1-3** **York Sample ID:** **25H1535-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

Mercury by 7473 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0324	1	EPA 7473	08/22/2025 11:45	08/22/2025 15:14	JWT
							Certifications:	CTDPH-PH-0840,NJDEP-CT005,NYSDOH-NY10854,PADEP-68-0		

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.5**		%	0.100	1	SM 2540G	08/25/2025 06:05	08/25/2025 10:10	SMM
							Certifications:	CTDPH-PH-0840		

Sample Information

Client Sample ID: **HVAC SW East 1-3** **York Sample ID:** **25H1535-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

SVOA, 8270 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	**1,1-Biphenyl**	**0.0229**	J	mg/kg dry	0.0221	0.0441	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
								Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0441	0.0882	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
								Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
								Certifications:	NYSDOH-NY10854,PADEP-68-04440		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
								Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
								Certifications:	NYSDOH-NY10854,PADEP-68-04440		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
								Certifications:	NYSDOH-NY10854,PADEP-68-04440		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0441	0.0882	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
								Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		

Sample Information

Client Sample ID: HVAC SW East 1-3 **York Sample ID:** 25H1535-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

SVOA, 8270 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/30/2025 18:30	SS
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/30/2025 18:30	SS
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/30/2025 18:30	SS
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/30/2025 18:30	SS
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0441	0.0882	1	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/30/2025 18:30	SS
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/30/2025 18:30	SS
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/30/2025 18:30	SS
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/30/2025 18:30	SS
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/30/2025 18:30	SS
91-57-6	**2-Methylnaphthalene**	**0.153**		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/30/2025 18:30	SS
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/30/2025 18:30	SS
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0441	0.0882	1	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/30/2025 18:30	SS
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/30/2025 18:30	SS
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/30/2025 18:30	SS
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/30/2025 18:30	SS
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0441	0.0882	1	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/30/2025 18:30	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0441	0.0882	1	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/30/2025 18:30	SS
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/30/2025 18:30	SS
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/30/2025 18:30	SS

Sample Information

Client Sample ID: HVAC SW East 1-3 **York Sample ID:** 25H1535-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

SVOA, 8270 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0441	0.0882	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0441	0.0882	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
83-32-9	**Acenaphthene**	**0.0311**	J	mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
208-96-8	**Acenaphthylene**	**0.848**		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
98-86-2	Acetophenone	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
62-53-3	Aniline	ND		mg/kg dry	0.0884	0.177	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
120-12-7	**Anthracene**	**0.843**		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
1912-24-9	Atrazine	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
92-87-5	Benzidine	ND		mg/kg dry	0.0884	0.177	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,PADEP-68-04440	SS
56-55-3	**Benzo(a)anthracene**	**1.30**		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
50-32-8	**Benzo(a)pyrene**	**1.38**		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
205-99-2	**Benzo(b)fluoranthene**	**1.10**		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
191-24-2	**Benzo(g,h,i)perylene**	**1.18**		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
207-08-9	**Benzo(k)fluoranthene**	**1.00**		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
65-85-0	Benzoic acid	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS

Sample Information

Client Sample ID: **HVAC SW East 1-3** **York Sample ID:** **25H1535-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

SVOA, 8270 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
105-60-2	Caprolactam	ND		mg/kg dry	0.0441	0.0882	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
86-74-8	**Carbazole**	**0.0275**	J	mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
218-01-9	**Chrysene**	**1.24**		mg/kg dry	0.111	0.221	5	EPA 8270E Certifications:	08/26/2025 09:21	09/02/2025 14:34 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
53-70-3	**Dibenzo(a,h)anthracene**	**0.366**		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
132-64-9	**Dibenzofuran**	**0.0222**	J	mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
122-39-4	Diphenylamine	ND		mg/kg dry	0.0441	0.0882	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
206-44-0	**Fluoranthene**	**1.01**		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
86-73-7	**Fluorene**	**0.143**		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS

Sample Information

Client Sample ID: HVAC SW East 1-3 **York Sample ID:** 25H1535-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.857**	CCVE	mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
78-59-1	Isophorone	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
91-20-3	**Naphthalene**	**0.177**		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
85-01-8	**Phenanthrene**	**0.520**		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
108-95-2	Phenol	ND		mg/kg dry	0.0221	0.0441	1	EPA 8270E Certifications:	08/26/2025 09:21	08/30/2025 18:30	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
129-00-0	**Pyrene**	**2.22**		mg/kg dry	0.111	0.221	5	EPA 8270E Certifications:	08/26/2025 09:21	09/02/2025 14:34	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*49.1 %*	*20-108*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*45.7 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*45.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*47.2 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*65.8 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*51.8 %*	*24-116*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications:	08/23/2025 07:10	08/26/2025 21:09	ss NYSDOH-NY10854

Sample Information

Client Sample ID: HVAC SW East 1-3 **York Sample ID:** 25H1535-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**						
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*58.0 %*		*39-127.5*						

Q_P_PFAS, EPA 1633a NFDHA

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.424	0.435	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM

Q_P_PFAS, EPA 1633a Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	**Perfluorobutanesulfonic acid (PFBS)**	**0.0966**	J	ug/kg dry	0.0762	0.193	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**0.0968**	J	ug/kg dry	0.0544	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.120	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**0.510**		ug/kg dry	0.0762	0.199	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
335-67-1	**Perfluorooctanoic acid (PFOA)**	**0.108**	J	ug/kg dry	0.0762	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**3.07**		ug/kg dry	0.0762	0.202	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.152	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.0870	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
2058-94-8	**Perfluoroundecanoic acid (PFUnA)**	**0.176**	J	ug/kg dry	0.120	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.0870	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
72629-94-8	**Perfluorotridecanoic acid (PFTrDA)**	**0.133**	J	ug/kg dry	0.120	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.141	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.0870	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM

Sample Information

Client Sample ID: **HVAC SW East 1-3** **York Sample ID:** **25H1535-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.544	0.544	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**0.121**	J	ug/kg dry	0.0870	0.435	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.0326	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.0762	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.0653	0.210	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.196	0.827	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.174	0.836	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.174	0.870	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.0653	0.387	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0435	0.435	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.131	0.435	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.0762	0.205	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.239	0.816	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CC V-L	ug/kg dry	0.250	0.870	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.239	0.823	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.294	0.814	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
919005-14-4	ADONA	ND		ug/kg dry	0.283	0.823	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.163	0.211	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.152	0.209	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM

Sample Information

Client Sample ID: **HVAC SW East 1-3** **York Sample ID:** **25H1535-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	0.348	1.09	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	0.794	5.44	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	1.02	5.44	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	0.794	2.18	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.141	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	0.501	2.18	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.0979	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:41	AM

	Surrogate Recoveries	Result		Acceptance Range
M3PFBS	*Surrogate: M3PFBS*	*129 %*		*40-135*
338-30-1	*Surrogate: M5PFHxA*	*101 %*		*40-130*
13C4PFHPA	*Surrogate: M4PFHpA*	*117 %*		*40-130*
13C3PFHXS	*Surrogate: M3PFHxS*	*114 %*		*40-130*
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*118 %*		*40-130*
13C6PFDA	*Surrogate: M6PFDA*	*111 %*		*40-130*
13C7PFUNA	*Surrogate: M7PFUdA*	*111 %*		*40-130*
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*104 %*		*40-130*
13C2PFTEDA	*Surrogate: M2PFTeDA*	*89.0 %*		*20-130*
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*113 %*		*8-130*
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*112 %*		*40-130*
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*98.2 %*		*35-130*
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*87.0 %*		*40-130*
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*113 %*		*40-135*
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*112 %*		*40-150*
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*60.8 %*		*40-215*
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*66.8 %*		*40-275*
13C9PFNA	*Surrogate: M9PFNA*	*136 %*	PFSu-H	*40-130*
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*45.1 %*		*40-165*

Sample Information

Client Sample ID: **HVAC SW East 1-3** **York Sample ID:** **25H1535-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
936109-37-4	*Surrogate: d-N-MeFOSA*	*80.1 %*			*10-130*						
936109-40-9	*Surrogate: d-N-EtFOSA*	*73.6 %*			*10-130*						
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*112 %*			*40-130*						
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*79.9 %*			*15-130*						
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*71.2 %*			*20-130*						

PEST, 8081 MASTER

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:34 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:34 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
50-29-3	**4,4'-DDT [2C]**	**0.00228**		mg/kg dry	0.00177	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:34 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	RJ
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:34 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:34 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:34 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:34 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:34 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:34 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:34 CTDPH-PH-0840,NYSDOH-NY10854	RJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:34 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:34 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:34 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:34 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ

Sample Information

Client Sample ID: HVAC SW East 1-3 **York Sample ID:** 25H1535-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:34 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:34 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:34 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:34 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.177	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:34 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0354	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 14:34	RJ

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*46.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*72.5 %*	*30-150*

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 19:58 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	SCB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 19:58 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	SCB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 19:58 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	SCB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 19:58 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	SCB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 19:58 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	SCB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 19:58 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	SCB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 19:58 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	SCB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 19:58	SCB

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*75.5 %*	*30-120*

Sample Information

Client Sample ID: HVAC SW East 1-3 **York Sample ID:** 25H1535-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*47.5 %*			*30-120*					

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**18300**		mg/kg dry	4.54	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-36-0	Antimony	ND		mg/kg dry	2.27	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-38-2	**Arsenic**	**3.77**		mg/kg dry	1.36	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-39-3	**Barium**	**132**		mg/kg dry	2.27	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-41-7	Beryllium	ND		mg/kg dry	0.046	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-43-9	Cadmium	ND		mg/kg dry	0.273	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-70-2	**Calcium**	**3930**		mg/kg dry	4.54	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-47-3	**Chromium**	**27.7**		mg/kg dry	0.455	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-48-4	**Cobalt**	**13.8**		mg/kg dry	0.363	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-50-8	**Copper**	**41.7**		mg/kg dry	1.82	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-89-6	**Iron**	**29600**		mg/kg dry	22.7	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-92-1	**Lead**	**11.2**		mg/kg dry	0.455	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-95-4	**Magnesium**	**7080**		mg/kg dry	4.55	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-96-5	**Manganese**	**503**		mg/kg dry	0.455	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-02-0	**Nickel**	**21.8**		mg/kg dry	0.905	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-09-7	**Potassium**	**4890**		mg/kg dry	4.55	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7782-49-2	Selenium	ND		mg/kg dry	2.27	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		

Sample Information

Client Sample ID: HVAC SW East 1-3 **York Sample ID:** 25H1535-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		mg/kg dry	0.458	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-23-5	**Sodium**	**335**		mg/kg dry	45.4	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-28-0	Thallium	ND		mg/kg dry	1.82	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-62-2	**Vanadium**	**52.1**		mg/kg dry	0.905	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-66-6	**Zinc**	**59.5**		mg/kg dry	2.26	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0327	1	EPA 7473	08/22/2025 11:45	08/22/2025 15:14	JWT
							Certifications:	CTDPH-PH-0840,NJDEP-CT005,NYSDOH-NY10854,PADEP-68-0		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.7**		%	0.100	1	SM 2540G	08/25/2025 06:05	08/25/2025 10:10	SMM
							Certifications:	CTDPH-PH-0840		

Sample Information

Client Sample ID: HVAC SW West 1-3 **York Sample ID:** 25H1535-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
							Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440			

Sample Information

Client Sample ID: HVAC SW West 1-3 **York Sample ID:** 25H1535-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0929	0.186	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32 NYSDOH-NY10854,PADEP-68-04440	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND	CCVE	mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32 NYSDOH-NY10854,PADEP-68-04440	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32 NYSDOH-NY10854,PADEP-68-04440	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0929	0.186	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0929	0.186	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
91-57-6	**2-Methylnaphthalene**	**0.245**		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	SS
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0929	0.186	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS

Sample Information

Client Sample ID: HVAC SW West 1-3 **York Sample ID:** 25H1535-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

SVOA, 8270 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0929	0.186	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0929	0.186	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0929	0.186	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0929	0.186	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
83-32-9	**Acenaphthene**	**0.0973**		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
208-96-8	**Acenaphthylene**	**0.337**		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
98-86-2	Acetophenone	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440
62-53-3	Aniline	ND		mg/kg dry	0.186	0.372	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440
120-12-7	**Anthracene**	**0.382**		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
1912-24-9	Atrazine	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440
92-87-5	Benzidine	ND		mg/kg dry	0.186	0.372	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,PADEP-68-04440

Sample Information

Client Sample ID: HVAC SW West 1-3 **York Sample ID:** 25H1535-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

SVOA, 8270 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	**Benzo(a)anthracene**	**0.673**		mg/kg dry	0.0466	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
50-32-8	**Benzo(a)pyrene**	**0.577**	CCVE	mg/kg dry	0.0466	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
205-99-2	**Benzo(b)fluoranthene**	**0.339**		mg/kg dry	0.0466	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
191-24-2	**Benzo(g,h,i)perylene**	**0.383**	CCVE	mg/kg dry	0.0466	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
207-08-9	**Benzo(k)fluoranthene**	**0.411**	CCVE	mg/kg dry	0.0466	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
65-85-0	Benzoic acid	ND	CAL-E	mg/kg dry	0.0466	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
								Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
								Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
111-44-4	Bis(2-chloroethyl)ether	ND	CCVE	mg/kg dry	0.0466	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
105-60-2	Caprolactam	ND		mg/kg dry	0.0929	0.186	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
								Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		
86-74-8	Carbazole	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
218-01-9	**Chrysene**	**0.789**		mg/kg dry	0.0466	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
53-70-3	**Dibenzo(a,h)anthracene**	**0.109**	CCVE	mg/kg dry	0.0466	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
132-64-9	**Dibenzofuran**	**0.0535**	J	mg/kg dry	0.0466	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		

Sample Information

Client Sample ID: **HVAC SW West 1-3** **York Sample ID:** **25H1535-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

SVOA, 8270 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
122-39-4	Diphenylamine	ND		mg/kg dry	0.0929	0.186	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440
206-44-0	**Fluoranthene**	**0.744**		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
86-73-7	**Fluorene**	**0.281**		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.238**	CCVE	mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
78-59-1	Isophorone	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
91-20-3	**Naphthalene**	**0.200**		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
62-75-9	N-Nitrosodimethylamine	ND	CCVE	mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
87-86-5	Pentachlorophenol	ND	CAL-E, CCVE	mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
85-01-8	**Phenanthrene**	**1.15**		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
108-95-2	Phenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
129-00-0	**Pyrene**	**2.06**		mg/kg dry	0.0466	0.0929	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 21:32	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: HVAC SW West 1-3 **York Sample ID:** 25H1535-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

SVOA, 8270 MASTER

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*38.5 %*			*20-108*						
13127-88-3	*Surrogate: SURR: Phenol-d6*	*35.4 %*			*23-114*						
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*36.4 %*			*22-108*						
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*34.2 %*			*21-113*						
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*44.5 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*43.1 %*			*24-116*						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications: NYSDOH-NY10854	08/23/2025 07:10	08/26/2025 21:24	ss

Surrogate Recoveries	Result	Acceptance Range
17647-74-4 *Surrogate: 1,4-Dioxane-d8*	*66.0 %*	*39-127.5*

Q_P_PFAS, EPA 1633a NFDHA

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.435	0.446	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM

Q_P_PFAS, EPA 1633a Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.0781	0.198	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0558	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.123	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.0781	0.204	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.0781	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**0.569**		ug/kg dry	0.0781	0.208	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM

Sample Information

Client Sample ID: HVAC SW West 1-3 **York Sample ID:** 25H1535-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.156	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.0893	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.123	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.0893	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.123	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.145	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.0893	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.558	0.558	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.0893	0.446	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.0335	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.0781	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.0670	0.215	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.201	0.848	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.179	0.857	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.179	0.893	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.0670	0.397	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0446	0.446	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.134	0.446	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.0781	0.210	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM

Sample Information

Client Sample ID: HVAC SW West 1-3 **York Sample ID:** 25H1535-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.246	0.837	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CC V-L	ug/kg dry	0.257	0.893	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.246	0.844	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.301	0.835	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
919005-14-4	ADONA	ND		ug/kg dry	0.290	0.844	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.167	0.216	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.156	0.214	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	0.357	1.12	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	0.815	5.58	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	1.05	5.58	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	0.815	2.23	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.145	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	0.513	2.23	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.100	0.223	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 00:56	AM

	Surrogate Recoveries	Result	Acceptance Range
M3PFBS	*Surrogate: M3PFBS*	*131 %*	*40-135*
338-30-1	*Surrogate: M5PFHxA*	*94.9 %*	*40-130*
13C4PFHPA	*Surrogate: M4PFHpA*	*105 %*	*40-130*
13C3PFHXS	*Surrogate: M3PFHxS*	*115 %*	*40-130*
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*114 %*	*40-130*
13C6PFDA	*Surrogate: M6PFDA*	*110 %*	*40-130*
13C7PFUNA	*Surrogate: M7PFUdA*	*105 %*	*40-130*

Sample Information

Client Sample ID: **HVAC SW West 1-3** **York Sample ID:** **25H1535-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*98.8 %*			*40-130*						
13C2PFTEDA	*Surrogate: M2PFTeDA*	*91.1 %*			*20-130*						
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*104 %*			*8-130*						
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*107 %*			*40-130*						
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*94.5 %*			*35-130*						
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*91.1 %*			*40-130*						
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*114 %*			*40-135*						
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*107 %*			*40-150*						
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*62.8 %*			*40-215*						
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*71.2 %*			*40-275*						
13C9PFNA	*Surrogate: M9PFNA*	*125 %*			*40-130*						
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*46.1 %*			*40-165*						
936109-37-4	*Surrogate: d-N-MeFOSA*	*70.4 %*			*10-130*						
936109-40-9	*Surrogate: d-N-EtFOSA*	*67.2 %*			*10-130*						
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*107 %*			*40-130*						
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*72.6 %*			*15-130*						
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*64.3 %*			*20-130*						

PEST, 8081 MASTER

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
309-00-2	Aldrin	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		

Sample Information

Client Sample ID: HVAC SW West 1-3 **York Sample ID:** 25H1535-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 16:48	RJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 16:48	RJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 16:48	RJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854	08/25/2025 16:48	RJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 16:48	RJ
72-20-8	Endrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 16:48	RJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 16:48	RJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 16:48	RJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 16:48	RJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 16:48	RJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 16:48	RJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 16:48	RJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.183	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 16:48	RJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0367	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 16:48	RJ

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*41.8 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*67.2 %*	*30-150*

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications:	08/24/2025 07:50 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	08/25/2025 20:11	SCB

Sample Information

Client Sample ID: **HVAC SW West 1-3** **York Sample ID:** **25H1535-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:11	SCB
							Certifications:	NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:11	SCB
							Certifications:	NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:11	SCB
							Certifications:	NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:11	SCB
							Certifications:	NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:11	SCB
							Certifications:	NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:11	SCB
							Certifications:	NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:11	SCB
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*58.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*43.5 %*	*30-120*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**16500**		mg/kg dry	4.66	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-36-0	Antimony	ND		mg/kg dry	2.33	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-38-2	**Arsenic**	**2.71**		mg/kg dry	1.40	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-39-3	**Barium**	**120**		mg/kg dry	2.33	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-41-7	Beryllium	ND		mg/kg dry	0.047	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-43-9	Cadmium	ND		mg/kg dry	0.280	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-70-2	**Calcium**	**17600**		mg/kg dry	4.66	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-47-3	**Chromium**	**26.2**		mg/kg dry	0.466	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		

Sample Information

Client Sample ID: HVAC SW West 1-3 **York Sample ID:** 25H1535-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-48-4	**Cobalt**	**12.7**		mg/kg dry	0.372	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-50-8	**Copper**	**47.7**		mg/kg dry	1.86	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-89-6	**Iron**	**27000**		mg/kg dry	23.3	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-92-1	**Lead**	**8.61**		mg/kg dry	0.466	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-95-4	**Magnesium**	**9520**		mg/kg dry	4.66	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-96-5	**Manganese**	**444**		mg/kg dry	0.466	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-02-0	**Nickel**	**19.5**		mg/kg dry	0.928	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-09-7	**Potassium**	**5240**		mg/kg dry	4.66	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7782-49-2	Selenium	ND		mg/kg dry	2.33	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-22-4	Silver	ND		mg/kg dry	0.470	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-23-5	**Sodium**	**626**		mg/kg dry	46.6	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-28-0	Thallium	ND		mg/kg dry	1.87	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-62-2	**Vanadium**	**53.0**		mg/kg dry	0.928	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-66-6	**Zinc**	**64.1**		mg/kg dry	2.32	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0335	1	EPA 7473	08/22/2025 11:45	08/22/2025 15:14	JWT
							Certifications:	CTDPH-PH-0840,NJDEP-CT005,NYSDOH-NY10854,PADEP-68-0		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: **HVAC SW West 1-3** **York Sample ID:** **25H1535-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.4**		%	0.100	1	SM 2540G	08/25/2025 06:05	08/25/2025 10:10	SMM
							Certifications: CTDPH-PH-0840			

Sample Information

Client Sample ID: **HVAC Bottom 3 ft** **York Sample ID:** **25H1535-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
								Certifications:	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
								Certifications:	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
								Certifications:	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		

Sample Information

Client Sample ID: **HVAC Bottom 3 ft** **York Sample ID:** **25H1535-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
67-64-1	**Acetone**	**0.018**	QL-02, CCVE, ICVE	mg/kg dry	0.0049	0.0098	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEI	PRS
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6	PRS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS

Sample Information

Client Sample ID: HVAC Bottom 3 ft

York Sample ID: 25H1535-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
75-71-8	Dichlorodifluoromethane	ND	ICVE	mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 10:21 CTDPH-PH-0840,NYSDOH-NY12058	PRS

Sample Information

Client Sample ID: HVAC Bottom 3 ft **York Sample ID:** 25H1535-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 10:21	PRS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 10:21	PRS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	08/23/2025 10:21	PRS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	08/23/2025 10:21	PRS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 10:21	PRS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 10:21	PRS
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 10:21	PRS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.012	0.025	1	EPA 8260D Certifications:	08/23/2025 07:52 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6	08/23/2025 10:21	PRS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 10:21	PRS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 10:21	PRS
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 10:21	PRS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 10:21	PRS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 10:21	PRS
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840	08/23/2025 10:21	PRS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 10:21	PRS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 10:21	PRS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 10:21	PRS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0074	0.015	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 10:21	PRS

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: HVAC Bottom 3 ft **York Sample ID:** 25H1535-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*			*77-125*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*			*85-120*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*			*76-130*						

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0897	0.179	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03 NYSDOH-NY10854,PADEP-68-04440	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND	CCVE	mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03 NYSDOH-NY10854,PADEP-68-04440	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03 NYSDOH-NY10854,PADEP-68-04440	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0897	0.179	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0897	0.179	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS

Sample Information

Client Sample ID: HVAC Bottom 3 ft **York Sample ID:** 25H1535-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

SVOA, 8270 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
91-57-6	**2-Methylnaphthalene**	**0.0688**	J	mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0897	0.179	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0897	0.179	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0897	0.179	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0897	0.179	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0897	0.179	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
83-32-9	Acenaphthene	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
208-96-8	**Acenaphthylene**	**0.303**		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(

Sample Information

Client Sample ID: HVAC Bottom 3 ft **York Sample ID:** 25H1535-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

SVOA, 8270 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-86-2	Acetophenone	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/29/2025 22:03	SS
62-53-3	Aniline	ND		mg/kg dry	0.180	0.359	2	EPA 8270E Certifications:	08/26/2025 09:21 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/29/2025 22:03	SS
120-12-7	**Anthracene**	**0.273**		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/29/2025 22:03	SS
1912-24-9	Atrazine	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/29/2025 22:03	SS
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/29/2025 22:03	SS
92-87-5	Benzidine	ND		mg/kg dry	0.180	0.359	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,PADEP-68-04440	08/29/2025 22:03	SS
56-55-3	**Benzo(a)anthracene**	**0.495**		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/29/2025 22:03	SS
50-32-8	**Benzo(a)pyrene**	**0.477**	CCVE	mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/29/2025 22:03	SS
205-99-2	**Benzo(b)fluoranthene**	**0.285**		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/29/2025 22:03	SS
191-24-2	**Benzo(g,h,i)perylene**	**0.328**	CCVE	mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/29/2025 22:03	SS
207-08-9	**Benzo(k)fluoranthene**	**0.311**	CCVE	mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/29/2025 22:03	SS
65-85-0	Benzoic acid	ND	CAL-E	mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/29/2025 22:03	SS
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/29/2025 22:03	SS
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 22:03	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 22:03	SS
111-44-4	Bis(2-chloroethyl)ether	ND	CCVE	mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 22:03	SS
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 22:03	SS
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/29/2025 22:03	SS
105-60-2	Caprolactam	ND		mg/kg dry	0.0897	0.179	2	EPA 8270E Certifications:	08/26/2025 09:21 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/29/2025 22:03	SS

Sample Information

Client Sample ID: **HVAC Bottom 3 ft** **York Sample ID:** **25H1535-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

SVOA, 8270 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-74-8	Carbazole	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
218-01-9	**Chrysene**	**0.559**		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
53-70-3	**Dibenzo(a,h)anthracene**	**0.0975**	CCVE	mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
122-39-4	Diphenylamine	ND		mg/kg dry	0.0897	0.179	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440
206-44-0	**Fluoranthene**	**0.436**		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
86-73-7	**Fluorene**	**0.0767**	J	mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.194**	CCVE	mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
78-59-1	Isophorone	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
91-20-3	**Naphthalene**	**0.0595**	J	mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0

Sample Information

Client Sample ID: **HVAC Bottom 3 ft** **York Sample ID:** **25H1535-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND	CCVE	mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
87-86-5	Pentachlorophenol	ND	CAL-E, CCVE	mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
85-01-8	**Phenanthrene**	**0.403**		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
108-95-2	Phenol	ND		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
129-00-0	**Pyrene**	**1.30**		mg/kg dry	0.0449	0.0897	2	EPA 8270E Certifications:	08/26/2025 09:21	08/29/2025 22:03	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*47.6 %*	*20-108*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*44.2 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*45.9 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*42.7 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*53.8 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*56.2 %*	*24-116*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications:	08/23/2025 07:10	08/26/2025 21:40	ss NYSDOH-NY10854

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*74.0 %*	*39-127.5*

Q_P_PFAS, EPA 1633a NFDHA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.425	0.435	1	EPA 1633A Certifications:	09/06/2025 10:13	09/08/2025 01:11	AM NYSDOH-NY12058

Sample Information

Client Sample ID: **HVAC Bottom 3 ft** **York Sample ID:** **25H1535-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.0762	0.193	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0544	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.120	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**0.116**	J	ug/kg dry	0.0762	0.199	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.0762	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**1.47**		ug/kg dry	0.0762	0.202	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.152	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.0871	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.120	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.0871	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.120	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.142	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.0871	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.544	0.544	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.0871	0.435	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.0327	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.0762	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.0653	0.210	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.196	0.827	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM

Sample Information

Client Sample ID: HVAC Bottom 3 ft

York Sample ID: 25H1535-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.174	0.836	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.174	0.871	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.0653	0.388	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0435	0.435	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.131	0.435	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.0762	0.205	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.239	0.816	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CCV-L	ug/kg dry	0.250	0.871	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.239	0.823	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.294	0.814	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
919005-14-4	ADONA	ND		ug/kg dry	0.283	0.823	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.163	0.211	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.152	0.209	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	0.348	1.09	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	0.795	5.44	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	1.02	5.44	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	0.795	2.18	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.142	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	0.501	2.18	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM

Sample Information

Client Sample ID: HVAC Bottom 3 ft **York Sample ID:** 25H1535-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.0980	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:11	AM

	Surrogate Recoveries	Result		Acceptance Range
M3PFBS	*Surrogate: M3PFBS*	*135 %*		*40-135*
338-30-1	*Surrogate: M5PFHxA*	*102 %*		*40-130*
13C4PFHPA	*Surrogate: M4PFHpA*	*112 %*		*40-130*
13C3PFHXS	*Surrogate: M3PFHxS*	*116 %*		*40-130*
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*122 %*		*40-130*
13C6PFDA	*Surrogate: M6PFDA*	*122 %*		*40-130*
13C7PFUNA	*Surrogate: M7PFUdA*	*114 %*		*40-130*
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*114 %*		*40-130*
13C2PFTEDA	*Surrogate: M2PFTeDA*	*99.2 %*		*20-130*
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*116 %*		*8-130*
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*111 %*		*40-130*
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*104 %*		*35-130*
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*93.5 %*		*40-130*
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*111 %*		*40-135*
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*114 %*		*40-150*
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*64.5 %*		*40-215*
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*70.2 %*		*40-275*
13C9PFNA	*Surrogate: M9PFNA*	*145 %*	PFSu-H	*40-130*
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*48.0 %*		*40-165*
936109-37-4	*Surrogate: d-N-MeFOSA*	*74.6 %*		*10-130*
936109-40-9	*Surrogate: d-N-EtFOSA*	*66.8 %*		*10-130*
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*114 %*		*40-130*
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*77.2 %*		*15-130*
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*67.2 %*		*20-130*

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/23/2025 11:52	08/25/2025 17:05	RJ

Sample Information

Client Sample ID: HVAC Bottom 3 ft **York Sample ID:** 25H1535-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

PEST, 8081 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:05 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:05 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:05 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:05 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:05 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:05 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:05 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:05 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:05 CTDPH-PH-0840,NYSDOH-NY10854	RJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:05 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:05 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:05 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:05 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:05 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:05 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:05 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:05 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.179	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:05 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0358	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:05	RJ

Sample Information

Client Sample ID: **HVAC Bottom 3 ft** **York Sample ID:** **25H1535-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

PEST, 8081 MASTER

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*51.9 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*78.2 %*	*30-150*

PCB, 8082 MASTER

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 20:25	SCB NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 20:25	SCB NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 20:25	SCB NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 20:25	SCB NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 20:25	SCB NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 20:25	SCB NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 20:25	SCB NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 20:25	SCB

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*84.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*50.5 %*	*30-120*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**15800**		mg/kg dry	4.55	1	EPA 6010D Certifications:	08/26/2025 07:46	08/27/2025 12:16	AGNR CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
7440-36-0	Antimony	ND		mg/kg dry	2.28	1	EPA 6010D Certifications:	08/26/2025 07:46	08/27/2025 12:16	AGNR CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
7440-38-2	**Arsenic**	**3.51**		mg/kg dry	1.37	1	EPA 6010D Certifications:	08/26/2025 07:46	08/27/2025 12:16	AGNR CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(

Sample Information

Client Sample ID: **HVAC Bottom 3 ft** **York Sample ID:** **25H1535-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	**Barium**	**111**		mg/kg dry	2.27	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-41-7	Beryllium	ND		mg/kg dry	0.046	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-43-9	Cadmium	ND		mg/kg dry	0.273	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-70-2	**Calcium**	**14900**		mg/kg dry	4.55	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-47-3	**Chromium**	**25.5**		mg/kg dry	0.456	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-48-4	**Cobalt**	**11.5**		mg/kg dry	0.364	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-50-8	**Copper**	**32.6**		mg/kg dry	1.82	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-89-6	**Iron**	**24400**		mg/kg dry	22.8	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-92-1	**Lead**	**8.19**		mg/kg dry	0.456	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-95-4	**Magnesium**	**7140**		mg/kg dry	4.56	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-96-5	**Manganese**	**419**		mg/kg dry	0.456	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-02-0	**Nickel**	**18.3**		mg/kg dry	0.907	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-09-7	**Potassium**	**4200**		mg/kg dry	4.56	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7782-49-2	Selenium	ND		mg/kg dry	2.28	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-22-4	Silver	ND		mg/kg dry	0.459	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-23-5	**Sodium**	**489**		mg/kg dry	45.5	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-28-0	Thallium	ND		mg/kg dry	1.83	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-62-2	**Vanadium**	**42.8**		mg/kg dry	0.907	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-66-6	**Zinc**	**60.1**		mg/kg dry	2.27	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: HVAC Bottom 3 ft **York Sample ID:** 25H1535-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0328	1	EPA 7473	08/25/2025 08:11	08/25/2025 15:21	DBT
							Certifications:	CTDPH-PH-0840,NJDEP-CT005,NYSDOH-NY10854,PADEP-68-0		

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.5**		%	0.100	1	SM 2540G	08/25/2025 06:05	08/25/2025 10:10	SMM
							Certifications:	CTDPH-PH-0840		

Sample Information

Client Sample ID: HVAC DUP **York Sample ID:** 25H1535-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
								Certifications:	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
								Certifications:	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68		

Sample Information

Client Sample ID: HVAC DUP

York Sample ID: 25H1535-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6	PRS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
78-93-3	2-Butanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
67-64-1	**Acetone**	**0.031**	QL-02, CCVE, ICVE	mg/kg dry	0.0058	0.012	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEI	PRS
107-02-8	Acrolein	ND		mg/kg dry	0.0058	0.012	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
71-43-2	Benzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6	PRS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS

Sample Information

Client Sample ID: HVAC DUP

York Sample ID: 25H1535-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43	PRS CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
74-83-9	Bromomethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43	PRS CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43	PRS CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43	PRS CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43	PRS CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
75-00-3	Chloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43	PRS CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
67-66-3	Chloroform	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43	PRS CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43	PRS CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43	PRS CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43	PRS CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
110-82-7	Cyclohexane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43	PRS NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43	PRS NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68
74-95-3	Dibromomethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43	PRS NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68
75-71-8	Dichlorodifluoromethane	ND	ICVE	mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43	PRS NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43	PRS CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43	PRS NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43	PRS CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
79-20-9	Methyl acetate	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43	PRS NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43	PRS CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP

Sample Information

Client Sample ID: HVAC DUP

York Sample ID: 25H1535-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6	PRS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0058	0.012	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY12058	PRS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
95-47-6	o-Xylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	PRS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0058	0.012	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	PRS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
100-42-5	Styrene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.014	0.029	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6	PRS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
108-88-3	Toluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840	PRS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260D Certifications:	08/23/2025 07:52	08/23/2025 11:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS

Sample Information

Client Sample ID: HVAC DUP

York Sample ID: 25H1535-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0087	0.017	1	EPA 8260D Certifications:	08/23/2025 07:52 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/23/2025 11:43	PRS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*124 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*76-130*

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/28/2025 00:44	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0926	0.185	2	EPA 8270E Certifications:	08/26/2025 09:04 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/28/2025 00:44	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 NYSDOH-NY10854,PADEP-68-04440	08/28/2025 00:44	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/28/2025 00:44	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 NYSDOH-NY10854,PADEP-68-04440	08/28/2025 00:44	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 NYSDOH-NY10854,PADEP-68-04440	08/28/2025 00:44	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0926	0.185	2	EPA 8270E Certifications:	08/26/2025 09:04 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/28/2025 00:44	SS
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0926	0.185	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS

Sample Information

Client Sample ID: HVAC DUP

York Sample ID: 25H1535-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
91-57-6	**2-Methylnaphthalene**	**0.178**		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/28/2025 00:44	SS
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0926	0.185	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/28/2025 00:44	SS
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0926	0.185	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0926	0.185	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0926	0.185	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0926	0.185	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
83-32-9	Acenaphthene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS

Sample Information

Client Sample ID: HVAC DUP

York Sample ID: 25H1535-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	**Acenaphthylene**	**0.160**		mg/kg dry	0.0464	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
98-86-2	Acetophenone	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
								Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		
62-53-3	Aniline	ND		mg/kg dry	0.185	0.371	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
								Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		
120-12-7	**Anthracene**	**0.155**		mg/kg dry	0.0464	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
1912-24-9	Atrazine	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
								Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
								Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.371	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,PADEP-68-04440		
56-55-3	**Benzo(a)anthracene**	**0.465**		mg/kg dry	0.0464	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
50-32-8	**Benzo(a)pyrene**	**0.473**		mg/kg dry	0.0464	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
205-99-2	**Benzo(b)fluoranthene**	**0.319**		mg/kg dry	0.0464	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
191-24-2	**Benzo(g,h,i)perylene**	**0.353**		mg/kg dry	0.0464	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
207-08-9	**Benzo(k)fluoranthene**	**0.309**		mg/kg dry	0.0464	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
								Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
								Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
105-60-2	Caprolactam	ND		mg/kg dry	0.0926	0.185	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
								Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		

Sample Information

Client Sample ID: HVAC DUP

York Sample ID: 25H1535-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-74-8	Carbazole	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 00:44	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
218-01-9	**Chrysene**	**0.525**		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 00:44	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
53-70-3	**Dibenzo(a,h)anthracene**	**0.0807**	J	mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 00:44	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 00:44	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 00:44	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 00:44	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 00:44	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 00:44	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
122-39-4	Diphenylamine	ND		mg/kg dry	0.0926	0.185	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 00:44	SS NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440
206-44-0	**Fluoranthene**	**0.452**		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 00:44	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
86-73-7	**Fluorene**	**0.0748**	J	mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 00:44	SS NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 00:44	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 00:44	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 00:44	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 00:44	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.201**		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 00:44	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
78-59-1	Isophorone	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 00:44	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
91-20-3	**Naphthalene**	**0.233**		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 00:44	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 00:44	SS CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0

Sample Information

Client Sample ID: HVAC DUP **York Sample ID:** 25H1535-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
85-01-8	**Phenanthrene**	**0.301**		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
108-95-2	Phenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS
129-00-0	**Pyrene**	**0.983**		mg/kg dry	0.0464	0.0926	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 00:44	SS

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*107 %*	*20-108*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*85.5 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*82.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*86.1 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*95.1 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*92.8 %*	*24-116*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications:	08/23/2025 07:10 NYSDOH-NY10854	08/26/2025 21:55	ss

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*90.0 %*	*39-127.5*

Q_P_PFAS, EPA 1633a NFDHA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.438	0.449	1	EPA 1633A Certifications:	09/06/2025 10:13 NYSDOH-NY12058	09/08/2025 01:57	AM

Sample Information

Client Sample ID: **HVAC DUP** **York Sample ID:** **25H1535-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.0786	0.199	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0561	0.225	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.124	0.225	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**0.0897**	J	ug/kg dry	0.0786	0.205	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.0786	0.225	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**1.27**		ug/kg dry	0.0786	0.209	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.157	0.225	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.0898	0.225	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.124	0.225	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.0898	0.225	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.124	0.225	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.146	0.225	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.0898	0.225	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.561	0.561	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.0898	0.449	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.0337	0.225	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.0786	0.225	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.0674	0.217	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.202	0.853	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM

Sample Information

Client Sample ID: HVAC DUP

York Sample ID: 25H1535-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.180	0.862	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.180	0.898	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.0674	0.400	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0449	0.449	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.135	0.449	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.0786	0.211	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.247	0.842	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CCV-L	ug/kg dry	0.258	0.898	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.247	0.849	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.303	0.840	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
919005-14-4	ADONA	ND		ug/kg dry	0.292	0.849	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.168	0.218	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.157	0.216	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	0.359	1.12	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	0.820	5.61	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	1.06	5.61	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	0.820	2.25	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.146	0.225	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	0.517	2.25	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM

Sample Information

Client Sample ID: HVAC DUP

York Sample ID: 25H1535-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.101	0.225	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/08/2025 01:57	AM

	Surrogate Recoveries	Result	Acceptance Range
M3PFBS	*Surrogate: M3PFBS*	*127 %*	*40-135*
338-30-1	*Surrogate: M5PFHxA*	*98.6 %*	*40-130*
13C4PFHPA	*Surrogate: M4PFHpA*	*107 %*	*40-130*
13C3PFHXS	*Surrogate: M3PFHxS*	*109 %*	*40-130*
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*119 %*	*40-130*
13C6PFDA	*Surrogate: M6PFDA*	*107 %*	*40-130*
13C7PFUNA	*Surrogate: M7PFUdA*	*110 %*	*40-130*
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*109 %*	*40-130*
13C2PFTEDA	*Surrogate: M2PFTeDA*	*88.9 %*	*20-130*
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*113 %*	*8-130*
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*109 %*	*40-130*
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*98.7 %*	*35-130*
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*92.2 %*	*40-130*
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*107 %*	*40-135*
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*112 %*	*40-150*
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*62.7 %*	*40-215*
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*67.9 %*	*40-275*
13C9PFNA	*Surrogate: M9PFNA*	*133 %*	PFSu-H *40-130*
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*45.2 %*	*40-165*
936109-37-4	*Surrogate: d-N-MeFOSA*	*73.3 %*	*10-130*
936109-40-9	*Surrogate: d-N-EtFOSA*	*76.0 %*	*10-130*
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*103 %*	*40-130*
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*76.2 %*	*15-130*
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*67.2 %*	*20-130*

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/23/2025 11:52	08/25/2025 17:35	RJ

Sample Information

Client Sample ID: HVAC DUP

York Sample ID: 25H1535-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
309-00-2	Aldrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854	RJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
72-20-8	Endrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.183	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	RJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0365	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 17:35	RJ

Sample Information

Client Sample ID: HVAC DUP

York Sample ID: 25H1535-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*45.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*78.2 %*	*30-150*

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 20:38	SCB NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 20:38	SCB NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 20:38	SCB NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 20:38	SCB NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 20:38	SCB NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 20:38	SCB NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 20:38	SCB NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 20:38	SCB

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*77.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*50.0 %*	*30-120*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**14800**		mg/kg dry	4.69	1	EPA 6010D Certifications:	08/26/2025 07:46	08/27/2025 12:27	AGNR CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(
7440-36-0	Antimony	ND		mg/kg dry	2.34	1	EPA 6010D Certifications:	08/26/2025 07:46	08/27/2025 12:27	AGNR CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0
7440-38-2	**Arsenic**	**3.30**		mg/kg dry	1.41	1	EPA 6010D Certifications:	08/26/2025 07:46	08/27/2025 12:27	AGNR CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(

Sample Information

Client Sample ID: HVAC DUP

York Sample ID: 25H1535-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	**Barium**	**107**		mg/kg dry	2.34	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-41-7	Beryllium	ND		mg/kg dry	0.047	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-43-9	Cadmium	ND		mg/kg dry	0.281	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-70-2	**Calcium**	**10900**		mg/kg dry	4.69	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-47-3	**Chromium**	**25.4**		mg/kg dry	0.469	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-48-4	**Cobalt**	**11.5**		mg/kg dry	0.375	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-50-8	**Copper**	**43.0**		mg/kg dry	1.88	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-89-6	**Iron**	**23600**		mg/kg dry	23.4	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-92-1	**Lead**	**9.87**		mg/kg dry	0.469	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-95-4	**Magnesium**	**6600**		mg/kg dry	4.69	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-96-5	**Manganese**	**446**		mg/kg dry	0.469	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-02-0	**Nickel**	**18.0**		mg/kg dry	0.934	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-09-7	**Potassium**	**3770**		mg/kg dry	4.69	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7782-49-2	Selenium	ND		mg/kg dry	2.34	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-22-4	Silver	ND		mg/kg dry	0.473	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-23-5	**Sodium**	**347**		mg/kg dry	46.9	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-28-0	Thallium	ND		mg/kg dry	1.88	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-62-2	**Vanadium**	**44.5**		mg/kg dry	0.934	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-66-6	**Zinc**	**55.5**		mg/kg dry	2.33	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: HVAC DUP **York Sample ID:** 25H1535-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0338	1	EPA 7473	08/25/2025 08:11	08/25/2025 15:21	DBT
							Certifications:	CTDPH-PH-0840,NJDEP-CT005,NYSDOH-NY10854,PADEP-68-0		

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.9**		%	0.100	1	SM 2540G	08/25/2025 06:05	08/25/2025 10:10	SMM
							Certifications:	CTDPH-PH-0840		

Sample Information

Client Sample ID: Trip Blank **York Sample ID:** 25H1535-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 3:00 pm	08/21/2025

VOA, 8260 LOW MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
								Certifications:	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
								Certifications:	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68		

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **25H1535-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 3:00 pm	08/21/2025

VOA, 8260 LOW MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/25/2025 05:44	PMB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/25/2025 05:44	PMB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/25/2025 05:44	PMB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/25/2025 05:44	PMB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/25/2025 05:44	PMB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/25/2025 05:44	PMB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/25/2025 05:44	PMB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/25/2025 05:44	PMB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/25/2025 05:44	PMB
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/25/2025 05:44	PMB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/25/2025 05:44	PMB
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/25/2025 05:44	PMB
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/25/2025 05:44	PMB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/25/2025 05:44	PMB
67-64-1	**Acetone**	**1.69**	J	ug/L	1.34	2.00	1	EPA 8260D Certifications:	08/24/2025 07:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEI	08/25/2025 05:44	PMB
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/25/2025 05:44	PMB
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/25/2025 05:44	PMB
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/25/2025 05:44	PMB
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/25/2025 05:44	PMB

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 25H1535-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 3:00 pm	08/21/2025

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
74-83-9	Bromomethane	ND	CCVE	ug/L	0.500	2.00	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PMB
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PMB
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PMB
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PMB
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PMB

Sample Information

Client Sample ID: Trip Blank **York Sample ID:** 25H1535-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 3:00 pm	08/21/2025

VOA, 8260 LOW MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	CCVE	ug/L	0.244	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PMB
75-09-2	Methylene chloride	ND	CCVE	ug/L	0.397	2.00	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PMB
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	PMB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	PMB
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44	PMB
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44	PMB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PMB
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00	08/25/2025 05:44 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **25H1535-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 3:00 pm	08/21/2025

VOA, 8260 LOW MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/25/2025 05:44	PMB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/25/2025 05:44	PMB
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications:	08/24/2025 07:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/25/2025 05:44	PMB
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications:	08/24/2025 07:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/25/2025 05:44	PMB

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*91.5 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.8 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*79-122*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **25H1535-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 2:30 pm	08/21/2025

VOA, 8260 LOW MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 04:43	PMB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 04:43	PMB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 04:43	PMB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 04:43	PMB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 04:43	PMB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 04:43	PMB

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **25H1535-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 2:30 pm	08/21/2025

VOA, 8260 LOW MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **25H1535-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 2:30 pm	08/21/2025

VOA, 8260 LOW MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
								Certifications:	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68		
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
74-83-9	Bromomethane	ND	CCVE	ug/L	0.500	2.00	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
67-66-3	**Chloroform**	**3.94**		ug/L	0.243	0.500	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEI		
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
								Certifications:	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68		
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
								Certifications:	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68		
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
								Certifications:	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68		
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP		

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **25H1535-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 2:30 pm	08/21/2025

VOA, 8260 LOW MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PMB
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PMB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PMB
75-09-2	Methylene chloride	ND	CCVE	ug/L	0.397	2.00	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PMB
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	PMB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	PMB
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43	PMB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PMB
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23	08/26/2025 04:43 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PMB

Sample Information

Client Sample ID: Field Blank **York Sample ID:** 25H1535-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 2:30 pm	08/21/2025

VOA, 8260 LOW MASTER

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 04:43	PMB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 04:43	PMB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 04:43	PMB
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 04:43	PMB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 04:43	PMB
75-01-4	Vinyl Chloride	ND	CCVE	ug/L	0.469	0.500	1	EPA 8260D Certifications:	08/25/2025 07:23 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 04:43	PMB
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications:	08/25/2025 07:23 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/26/2025 04:43	PMB

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.2 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*107 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*90.7 %*	*79-122*

Q_P_PFAS, EPA 1633a Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.73	1.91	1	EPA 1633A Certifications:	09/04/2025 15:14 NYSDOH-NY12058	09/05/2025 12:40	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.540	2.16	1	EPA 1633A Certifications:	09/04/2025 15:14 NYSDOH-NY12058	09/05/2025 12:40	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.756	2.16	1	EPA 1633A Certifications:	09/04/2025 15:14 NYSDOH-NY12058	09/05/2025 12:40	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.962	1.98	1	EPA 1633A Certifications:	09/04/2025 15:14 NYSDOH-NY12058	09/05/2025 12:40	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.08	2.16	1	EPA 1633A Certifications:	09/04/2025 15:14 NYSDOH-NY12058	09/05/2025 12:40	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.821	2.01	1	EPA 1633A Certifications:	09/04/2025 15:14 NYSDOH-NY12058	09/05/2025 12:40	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	1.07	2.16	1	EPA 1633A Certifications:	09/04/2025 15:14 NYSDOH-NY12058	09/05/2025 12:40	AM

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **25H1535-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 2:30 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.616	2.16	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.767	2.16	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.648	2.16	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.30	2.16	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.71	2.16	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.540	2.16	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
2991-50-6	N-EtFOSAA	ND		ng/L	5.40	5.40	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.962	4.32	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.400	2.16	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.335	2.06	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.670	2.09	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.40	8.21	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.43	8.30	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.76	8.64	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.540	3.85	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	3.24	4.32	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.756	4.32	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.51	4.32	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.810	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **25H1535-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 2:30 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	3.05	8.10	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CCV-L, PF-LCS-L	ng/L	5.40	8.64	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.41	8.17	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	2.97	8.08	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
919005-14-4	ADONA	ND		ng/L	3.21	8.17	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.962	2.10	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND	PF-LCS-L	ng/L	0.810	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.55	10.8	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	27.0	54.0	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	24.9	54.0	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
24448-09-7	N-MeFOSE	ND		ng/L	7.67	21.6	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
31506-32-8	N-MeFOSA	ND		ng/L	2.16	2.16	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
1691-99-2	N-EtFOSE	ND		ng/L	7.87	21.6	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM
4151-50-2	N-EtFOSA	ND		ng/L	1.13	2.16	1	EPA 1633A Certifications: NYSDOH-NY12058	09/04/2025 15:14	09/05/2025 12:40	AM

	Surrogate Recoveries	Result		Acceptance Range
M3PFBS	*Surrogate: M3PFBS*	*136 %*	PFSu-H	*40-135*
338-30-1	*Surrogate: M5PFHxA*	*115 %*		*40-130*
13C4PFHPA	*Surrogate: M4PFHpA*	*126 %*		*40-130*
13C3PFHXS	*Surrogate: M3PFHxS*	*124 %*		*40-130*
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*139 %*	PFSu-H	*40-130*
13C6PFDA	*Surrogate: M6PFDA*	*121 %*		*40-130*
13C7PFUNA	*Surrogate: M7PFUdA*	*112 %*		*30-130*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **25H1535-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 2:30 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*99.9 %*			*10-130*						
13C2PFTEDA	*Surrogate: M2PFTeDA*	*85.4 %*			*10-130*						
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*132 %*	PFSu-H		*5-130*						
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*126 %*			*40-130*						
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*116 %*			*40-130*						
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*109 %*			*40-130*						
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*119 %*			*40-170*						
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*120 %*			*25-135*						
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*49.1 %*			*40-200*						
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*53.7 %*			*40-300*						
13C9PFNA	*Surrogate: M9PFNA*	*168 %*	PFSu-H		*40-130*						
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*41.8 %*			*40-200*						
936109-37-4	*Surrogate: d-N-MeFOSA*	*100 %*			*10-130*						
936109-40-9	*Surrogate: d-N-EtFOSA*	*83.7 %*			*10-130*						
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*136 %*	PFSu-H		*40-130*						
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*89.3 %*			*10-130*						
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*87.2 %*			*10-130*						

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
25H1535-01	HVAC SW North-S-1	40mL Vial with Stir Bar-Cool 4° C
25H1535-02	HVAC SW South-S-1	40mL Vial with Stir Bar-Cool 4° C
25H1535-03	HVAC SW East-S-1	40mL Vial with Stir Bar-Cool 4° C
25H1535-04	HVAC SW West-S-1	40mL Vial with Stir Bar-Cool 4° C
25H1535-09	HVAC Bottom 3 ft	40mL Vial with Stir Bar-Cool 4° C
25H1535-10	HVAC DUP	40mL Vial with Stir Bar-Cool 4° C
25H1535-11	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25H1535-12	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

PF-CCV-L	The CCV recovery for this PFAS compound was below control limits.
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
HT-NFD	NFDHA was extracted outside of the 3-day holding time established by 1633A. NFDHA is not a regulated analyte, and does not have a toxicity factor or corresponding EPA Regional Screening Level. These results should not impact data usability
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
S-HI	Surrogate recovery is above acceptance limits. No target compound is detected in sample.
PF-LCS-L	The LCS recovery for this PFAS compound was below control limits.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
S-03	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. This effect was confirmed by reanalysis.
S-08	The recovery of this surrogate was outside of QC limits.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon current NELAC/TNI Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. — Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

ALS Project Number: 25H1535

ALS' Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for ALS to proceed with the analyses requested below. Your signature binds you to ALS' Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 2161 Whitesville Rd Toms River, NJ 08755 clientservices@yorklab.com 800-306-YORK 800-306-9675

Report To:
Company: Tetra Tech
Address: Rocky Hill
Phone: (401) 660-8959
Contact:
E-mail: don.conway@tetratech.com

Invoice To:
Company: upload to CoBA
Address:
Phone:
Contact:
E-mail:

YOUR Project Name / Number: HPN HVAC T42570616, 10.2

PO Number: Same as above

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

Analyses Requested

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

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

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

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

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

Brendan McCabe (ALS)

Samples Collected by: (print AND sign your name)

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

Preservative (please list number of containers)

Sample Identification	Date	Time	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO_3 (nitric acid)	H_2SO_4 (sulfuric acid)	NaOH (sodium hydroxide)	$Na_2S_2O_3$ (sodium thio.)	Trizma	Ammonium Acetate	Other:	VOC + 1,4-dioxane TCL	PFAS 16331	PFAS via 1633	SVOC TCL 8270	1-4 dioxane 8270-SIM	PCBs	Pesticides	Metals TAL	Grab or Comp G/C
HVAC SW North -5-1	8/21/25	1416	S											✓	✓							
HVAC SW South -5-1		1404	S											✓	✓							
HVAC SW East -5-1		1409	S											✓	✓							
HVAC SW West -5-1		1351	S											✓	✓							
HVAC SW North 1-3		1416														✓	✓	✓	✓	✓	✓	
HVAC SW South 1-3		1409														✓	✓	✓	✓	✓	✓	
HVAC SW East 1-3		1403														✓	✓	✓	✓	✓	✓	
HVAC SW West 1-3		1351														✓	✓	✓	✓	✓	✓	
HVAC Bottom 3'		1411												✓		✓	✓	✓	✓	✓	✓	
HVAC DUP		1411												✓		✓	✓	✓	✓	✓	✓	
HVAC MS		↓												✓		✓	✓	✓	✓	✓	✓	
HVAC MSD		↓	↓											✓		✓	✓	✓	✓	✓	✓	

Comp Grab

Field Filtered
Lab Filtered

Comments:

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

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

Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
[signature]	8/21/25 1755				
Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by [signature]	Date/Time 8/21/25 1755 Temperature 3.7 Degrees C

Field Chain-of-Custody Record

USA environmental

ALS' Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for ALS to proceed with the analyses requested below. Your signature binds you to ALS' Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 2161 Whitesville Rd Toms River, NJ 08755 clientservices@yorklab.com 800-306-YORK 800-306-9675

ALS Project Number: 25H1535

Page 2 of 2

Report To:	Invoice To:
Company:	Company:
Address:	Address:
Phone.:	Phone.:
Contact:	Contact:
E-mail:	E-mail:

YOUR Project Name / Number: HAN HVAC TA257006, 10.2

PO Number: as above

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

Analyses Requested: VOC 8260 ☑ PFAS 1633 ☑ PFAS 1633 ☑

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

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

Samples Collected by: (print AND sign your name)

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

Preservative (please list number of containers)

Sample Identification	Date	Time	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO_3 (nitric acid)	H_2SO_4 (sulfuric acid)	NaOH (sodium hydroxide)	$Na_2S_2O_3$ (sodium thio.)	Trizma	Ammonium Acetate	Other:	Grab or Comp. G/C
Trip Blank (VOC only)														
Field Blank	8/20/25	1430	Other											

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

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

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

- Field Filtered ☐
- Lab Filtered ☐

Comments:

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

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

1. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
[signature]	8/21/25 1755				
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[signature]	8/21/25 1755 / 3.1 Degrees C

Technical Report

prepared for:

Terracon Consultants, Inc.
201 Hammer Mill Rd
Rocky Hill CT, 06067
Attention: Don Pomeroy

Report Date: 09/09/2025
Client Project ID: JA257006 Task 10.2
York Project (SDG) No.: 25H1532

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723

Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 09/09/2025
Client Project ID: JA257006 Task 10.2
York Project (SDG) No.: 25H1532

Terracon Consultants, Inc.
201 Hammer Mill Rd
Rocky Hill CT, 06067
Attention: Don Pomeroy

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 21, 2025 and listed below. The project was identified as your project: **JA257006 Task 10.2**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
25H1532-01	HVAC - Spoils	Soil	08/20/2025	08/21/2025

General Notes for York Project (SDG) No.: 25H1532

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By: Cassie L. Mosher

Cassie L. Mosher
Laboratory Manager

Date: 09/09/2025

Sample Information

Client Sample ID: HVAC - Spoils

York Sample ID: 25H1532-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
75-34-3	1,1-Dichloroethane	ND	QL-02, CCVE, ICVE	mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
87-61-6	1,2,3-Trichlorobenzene	ND	QL-02	mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/22/2025 17:35	PRS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/22/2025 17:35	PRS
120-82-1	1,2,4-Trichlorobenzene	ND	QL-02	mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/22/2025 17:35	PRS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS

Sample Information

Client Sample ID: HVAC - Spoils

York Sample ID: 25H1532-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
78-93-3	2-Butanone	ND	QL-02, ICVE	mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
67-64-1	**Acetone**	**0.049**	QL-02, CCVE	mg/kg dry	0.0041	0.0082	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEI	PRS
107-02-8	Acrolein	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
107-13-1	Acrylonitrile	ND	QL-02, CCVE, ICVE	mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6	PRS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
75-15-0	**Carbon disulfide**	**0.0025**	J	mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEI	PRS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS

Sample Information

Client Sample ID: HVAC - Spoils

York Sample ID: 25H1532-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/22/2025 17:35	PRS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/22/2025 17:35	PRS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/22/2025 17:35	PRS
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/22/2025 17:35	PRS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
87-68-3	Hexachlorobutadiene	ND	QL-02	mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/22/2025 17:35	PRS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/22/2025 17:35	PRS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	08/22/2025 17:35	PRS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY12058	08/22/2025 17:35	PRS
104-51-8	n-Butylbenzene	ND	QL-02	mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	08/22/2025 17:35	PRS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	08/22/2025 17:35	PRS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	08/22/2025 17:35	PRS

Sample Information

Client Sample ID: HVAC - Spoils

York Sample ID: 25H1532-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.010	0.020	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68	PRS
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840	PRS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0061	0.012	1	EPA 8260D Certifications:	08/22/2025 07:40	08/22/2025 17:35 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	PRS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*106 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*108 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*	*76-130*

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0930	0.186	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS

Sample Information

Client Sample ID: HVAC - Spoils

York Sample ID: 25H1532-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 NYSDOH-NY10854,PADEP-68-04440	08/28/2025 01:13	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/28/2025 01:13	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 NYSDOH-NY10854,PADEP-68-04440	08/28/2025 01:13	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 NYSDOH-NY10854,PADEP-68-04440	08/28/2025 01:13	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0930	0.186	2	EPA 8270E Certifications:	08/26/2025 09:04 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/28/2025 01:13	SS
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0930	0.186	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
91-57-6	**2-Methylnaphthalene**	**0.166**		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/28/2025 01:13	SS
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0930	0.186	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS

Sample Information

Client Sample ID: HVAC - Spoils

York Sample ID: 25H1532-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0930	0.186	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0930	0.186	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0930	0.186	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0930	0.186	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
83-32-9	Acenaphthene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	SS
208-96-8	**Acenaphthylene**	**0.0929**	J	mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	SS
98-86-2	Acetophenone	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
62-53-3	Aniline	ND		mg/kg dry	0.186	0.372	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
120-12-7	**Anthracene**	**0.124**		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	SS
1912-24-9	Atrazine	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	SS
92-87-5	Benzidine	ND		mg/kg dry	0.186	0.372	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 CTDPH-PH-0840,NYSDOH-NY10854,PADEP-68-04440	SS
56-55-3	**Benzo(a)anthracene**	**0.316**		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	SS
50-32-8	**Benzo(a)pyrene**	**0.259**		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04	08/28/2025 01:13 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	SS

Sample Information

Client Sample ID: HVAC - Spoils

York Sample ID: 25H1532-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	**Benzo(b)fluoranthene**	**0.177**		mg/kg dry	0.0466	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
191-24-2	**Benzo(g,h,i)perylene**	**0.200**		mg/kg dry	0.0466	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
207-08-9	**Benzo(k)fluoranthene**	**0.187**		mg/kg dry	0.0466	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
								Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
								Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.0780**	J	mg/kg dry	0.0466	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
105-60-2	Caprolactam	ND		mg/kg dry	0.0930	0.186	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
								Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		
86-74-8	Carbazole	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
218-01-9	**Chrysene**	**0.343**		mg/kg dry	0.0466	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
53-70-3	**Dibenzo(a,h)anthracene**	**0.0468**	J	mg/kg dry	0.0466	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
								Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		

Sample Information

Client Sample ID: HVAC - Spoils

York Sample ID: 25H1532-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
122-39-4	Diphenylamine	ND		mg/kg dry	0.0930	0.186	2	EPA 8270E Certifications:	08/26/2025 09:04 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/28/2025 01:13	SS
206-44-0	**Fluoranthene**	**0.418**		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/28/2025 01:13	SS
86-73-7	**Fluorene**	**0.0587**	J	mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/28/2025 01:13	SS
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.111**		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/28/2025 01:13	SS
78-59-1	Isophorone	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
91-20-3	**Naphthalene**	**0.227**		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/28/2025 01:13	SS
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
86-30-6	**N-Nitrosodiphenylamine**	**0.0491**	J	mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/28/2025 01:13	SS
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
85-01-8	**Phenanthrene**	**0.315**		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/28/2025 01:13	SS
108-95-2	Phenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/28/2025 01:13	SS
129-00-0	**Pyrene**	**0.823**		mg/kg dry	0.0466	0.0930	2	EPA 8270E Certifications:	08/26/2025 09:04 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(	08/28/2025 01:13	SS

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*57.1 %*	*20-108*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*46.3 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*42.6 %*	*22-108*

Sample Information

Client Sample ID: HVAC - Spoils

York Sample ID: 25H1532-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*45.9 %*			*21-113*						
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*54.0 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*52.4 %*			*24-116*						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.9	1	EPA 8270D SIM Certifications: NYSDOH-NY10854	08/23/2025 07:10	08/26/2025 15:01	ss

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*94.0 %*	*39-127.5*

Q_P_PFAS, EPA 1633a NFDHA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.437	0.448	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.0785	0.198	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0560	0.224	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.123	0.224	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.0785	0.205	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.0785	0.224	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**0.376**		ug/kg dry	0.0785	0.208	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.157	0.224	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM

Sample Information

Client Sample ID: HVAC - Spoils

York Sample ID: 25H1532-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.0897	0.224	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.123	0.224	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.0897	0.224	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.123	0.224	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.146	0.224	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.0897	0.224	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.560	0.560	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.0897	0.448	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.0336	0.224	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.0785	0.224	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.0672	0.216	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.202	0.852	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.179	0.861	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.179	0.897	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.0672	0.399	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0448	0.448	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.134	0.448	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.0785	0.211	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.247	0.841	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM

Sample Information

Client Sample ID: HVAC - Spoils

York Sample ID: 25H1532-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CC V-L	ug/kg dry	0.258	0.897	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.247	0.847	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.303	0.838	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
919005-14-4	ADONA	ND		ug/kg dry	0.291	0.847	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.168	0.217	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.157	0.215	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	0.359	1.12	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	0.818	5.60	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	1.05	5.60	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	0.818	2.24	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.146	0.224	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	1.12	2.24	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.101	0.224	1	EPA 1633A Certifications: NYSDOH-NY12058	09/06/2025 10:13	09/07/2025 22:23	AM

	Surrogate Recoveries	Result	Acceptance Range
M3PFBS	*Surrogate: M3PFBS*	*131 %*	*40-135*
338-30-1	*Surrogate: M5PFHxA*	*97.5 %*	*40-130*
13C4PFHPA	*Surrogate: M4PFHpA*	*108 %*	*40-130*
13C3PFHXS	*Surrogate: M3PFHxS*	*122 %*	*40-130*
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*120 %*	*40-130*
13C6PFDA	*Surrogate: M6PFDA*	*113 %*	*40-130*
13C7PFUNA	*Surrogate: M7PFUdA*	*105 %*	*40-130*
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*94.5 %*	*40-130*
13C2PFTEDA	*Surrogate: M2PFTeDA*	*87.5 %*	*20-130*

Sample Information

Client Sample ID: HVAC - Spoils

York Sample ID: 25H1532-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Q_P_PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*110 %*			*8-130*						
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*115 %*			*40-130*						
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*94.2 %*			*35-130*						
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*93.3 %*			*40-130*						
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*112 %*			*40-135*						
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*108 %*			*40-150*						
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*57.7 %*			*40-215*						
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*60.8 %*			*40-275*						
13C9PFNA	*Surrogate: M9PFNA*	*138 %*	PFSu-H		*40-130*						
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*42.5 %*			*40-165*						
936109-37-4	*Surrogate: d-N-MeFOSA*	*69.5 %*			*10-130*						
936109-40-9	*Surrogate: d-N-EtFOSA*	*64.7 %*			*10-130*						
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*108 %*			*40-130*						
D9-NETPFOSA	*Surrogate: d9-N-EtFOSE*	*80.0 %*			*15-130*						
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*68.4 %*			*20-130*						

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 13:43	RJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 13:43	RJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 13:43	RJ
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 13:43	RJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 13:43	RJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 13:43	RJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 13:43	RJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 13:43	RJ

Sample Information

Client Sample ID: HVAC - Spoils

York Sample ID: 25H1532-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 13:43	RJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854	08/25/2025 13:43	RJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 13:43	RJ
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 13:43	RJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 13:43	RJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 13:43	RJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 13:43	RJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 13:43	RJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 13:43	RJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 13:43	RJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.185	5	EPA 8081B Certifications:	08/23/2025 11:52 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 13:43	RJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0369	5	EPA 8081B Certifications:	08/23/2025 11:52	08/25/2025 13:43	RJ

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*63.1 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*82.9 %*	*30-150*

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	08/24/2025 07:50 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	08/25/2025 19:17	SCB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	08/24/2025 07:50 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	08/25/2025 19:17	SCB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	08/24/2025 07:50 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	08/25/2025 19:17	SCB

Sample Information

Client Sample ID: HVAC - Spoils

York Sample ID: 25H1532-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	08/24/2025 07:50 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	08/25/2025 19:17	SCB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	08/24/2025 07:50 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	08/25/2025 19:17	SCB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	08/24/2025 07:50 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	08/25/2025 19:17	SCB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	08/24/2025 07:50 NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-0	08/25/2025 19:17	SCB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	08/24/2025 07:50	08/25/2025 19:17	SCB

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*97.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*64.0 %*	*30-120*

HERB, 8151 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/kg dry	22.4	1	EPA 8151A Certifications:	08/23/2025 07:17 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 12:19	gxb
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	22.4	1	EPA 8151A Certifications:	08/23/2025 07:17 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 12:19	gxb
94-75-7	2,4-D	ND		ug/kg dry	22.4	1	EPA 8151A Certifications:	08/23/2025 07:17 CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0	08/25/2025 12:19	gxb

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*81.0 %*	*21-150*

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
68334-30-5	**Total Petroleum Hydrocarbons-DRO**	**62.8**		mg/kg dry	11.0	1	EPA 8015D Certifications:	08/26/2025 09:01 NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440	08/26/2025 18:21	GXB

	Surrogate Recoveries	Result	Acceptance Range
638-68-6	*Surrogate: Triacontane*	*75.6 %*	*30-150*

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: HVAC - Spoils

York Sample ID: 25H1532-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8006-61-9	Total Petroleum Hydrocarbons-GRO	ND		mg/kg dry	72.5	100	EPA 8015D	08/22/2025 08:26	08/25/2025 12:16	scb
							Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.0 %*	*52-146*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**11100**		mg/kg dry	4.71	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-36-0	Antimony	ND		mg/kg dry	2.35	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-38-2	**Arsenic**	**2.33**		mg/kg dry	1.41	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-39-3	**Barium**	**76.9**		mg/kg dry	2.35	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-41-7	Beryllium	ND		mg/kg dry	0.047	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		
7440-43-9	Cadmium	ND		mg/kg dry	0.282	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-70-2	**Calcium**	**26500**	B	mg/kg dry	4.71	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-47-3	**Chromium**	**21.1**		mg/kg dry	0.471	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		
7440-48-4	**Cobalt**	**8.18**		mg/kg dry	0.376	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-50-8	**Copper**	**22.1**		mg/kg dry	1.88	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-89-6	**Iron**	**17900**		mg/kg dry	23.5	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-92-1	**Lead**	**10.5**		mg/kg dry	0.471	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-95-4	**Magnesium**	**6270**		mg/kg dry	4.71	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7439-96-5	**Manganese**	**328**		mg/kg dry	0.471	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-02-0	**Nickel**	**14.8**		mg/kg dry	0.938	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-09-7	**Potassium**	**2910**		mg/kg dry	4.71	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		

Sample Information

Client Sample ID: HVAC - Spoils **York Sample ID:** 25H1532-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7782-49-2	Selenium	ND		mg/kg dry	2.35	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-22-4	Silver	ND		mg/kg dry	0.475	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	NYSDOH-NY10854,NJDEP-CT005,PADEP-68-04440		
7440-23-5	**Sodium**	**407**		mg/kg dry	47.1	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-28-0	Thallium	ND		mg/kg dry	1.89	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-0		
7440-62-2	**Vanadium**	**31.0**		mg/kg dry	0.938	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		
7440-66-6	**Zinc**	**48.5**		mg/kg dry	2.34	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
							Certifications:	CTDPH-PH-0840,NYSDOH-NY10854,NJDEP-CT005,PADEP-68-(		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0339	1	EPA 7473	08/22/2025 11:45	08/22/2025 15:14	JWT
							Certifications:	NJDEP-CT005,NYSDOH-NY10854,PADEP-68-04440,CTDPH-PH-(		

Conductivity (Specific Conductance)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Conductivity**	**69.46**		umhos/cm	1.000	1	SM 2510B m	08/26/2025 07:52	08/26/2025 08:55	SMM
							Certifications:			

Corrosivity (pH) by SM 4500/EPA 9045D

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
pH	**pH**	**8.40**	HT-pH	pH units	0.500	1	EPA 9045D	08/27/2025 06:18	08/27/2025 13:30	SMM
							Certifications:	NYSDOH-NY10854,CTDPH-PH-0840,PADEP-68-04440		

Reactivity-Cyanide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
CREAC	* Reactivity - Cyanide	ND		mg/kg	0.250	1	EPA SW-846 Ch.7.3.3	08/27/2025 09:21	08/27/2025 13:21	LJM
							Certifications:	CTDPH-PH-0840,PADEP-68-04440		

Reactivity-Sulfide

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: **HVAC - Spoils** **York Sample ID:** **25H1532-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
SREAC	*** Reactivity - Sulfide**	**24.0**		mg/kg	15.0	1	EPA SW-846 Ch.7.3.4	08/27/2025 09:25	08/27/2025 13:36	LJM
							Certifications: CTDPH-PH-0840,PADEP-68-04440			

Temperature

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
TEMP	*** Temperature**	**21.6**	Z-01	°C	1.00	1	EPA 170.1	08/27/2025 06:18	08/27/2025 13:30	SMM
							Certifications:			

Ignitability

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
IGNITB	Ignitability	Non-Ignit.		None	1	1	EPA 1010A	08/25/2025 08:43	08/25/2025 10:00	TAJ
							Certifications: NYSDOH-NY10854			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.5**		%	0.100	1	SM 2540G	08/25/2025 06:05	08/25/2025 10:10	SMM
							Certifications: CTDPH-PH-0840			

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
25H1532-01	HVAC - Spoils	40mL Vial with Stir Bar-Cool 4° C
25H1532-01	HVAC - Spoils	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

Z-01	TEMPERATURE RECORDED AT TIME OF pH ANALYSIS
S-HI	Surrogate recovery is above acceptance limits. No target compound is detected in sample.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PF-CCV-L	The CCV recovery for this PFAS compound was below control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
IGN-01	Non-Ignit.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
HT-pH	HOLDING TIME EXCEEDED. Samples for pH must be measured in the field or within 15 minutes of sample collection.
HT-NFD	NFDHA was extracted outside of the 3-day holding time established by 1633A. NFDHA is not a regulated analyte, and does not have a toxicity factor or corresponding EPA Regional Screening Level. These results should not impact data usability
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon current NELAC/TNI Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

ALS Project Number: 25H1532

ALS Environmental — USA environmental

ALS' Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for ALS to proceed with the analyses requested below. Your signature binds you to ALS' Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | 56 Church Hill Rd. #2 Newtown, CT 06470 | 2161 Whitesville Rd Toms River, NJ 08755 | clientservices@yorklab.com | 800-306-YORK | 800-306-9675

Page _____ of _____

Report To:	Invoice To:
Company: Terracon	Company: upload to COUPA
Address: Rocky Hill CT	Address:
Phone:	Phone:
Contact:	Contact:
E-mail: don.gomez@terracon.com	E-mail:

YOUR Project Name / Number: JA257006 Task 10.2

PO Number: Same as above

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

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

NOTE- expedited TAT

Samples Collected by: (print AND sign your name)

Matrix Codes

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

Preservative (please list number of containers)

Analyses Requested

Sample Identification	Date	Time	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO_3 (nitric acid)	H_2SO_4 (sulfuric acid)	NaOH (sodium hydroxide)	$Na_2S_2O_3$ (sodium thio.)	Trizma	Ammonium Acetate	Other:	PFAS 1633		VOC, TCL 8260	SVOC, TCL 8270	1,4-dioxane 8270 SIM	PCB, Pesticides	Herbicides	Metals TAL	TPH GRO/DRO	pH, Ignitability, reaction	Percent Solids	Grab or Comp.
HVAC- Spoils	8-20-25	1307	S											✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	G/C

Turn-Around Time

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

Report Type (circle)

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

EDD Type (circle)

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

Regulatory Comparative

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

- Field Filtered
- Lab Filtered

Comments:

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

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

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

Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Don	8/21/25 1755				
Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					8/21/25 1755 3.7 Degrees C

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Patrick Colern
Terracon Consultants Inc
81 Benbro Drive
Buffalo, New York 14225

Generated 7/25/2025 11:43:16 AM

JOB DESCRIPTION

HPN HVAC Upgrades - JA257025

JOB NUMBER

480-231006-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

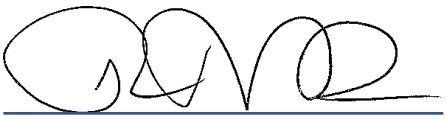
See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^5-	Linear Range Check (LRC) is outside acceptance limits, low biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-231006-1 Eurofins Buffalo

Job Narrative
480-231006-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 7/10/2025 2:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.9º C.

Receipt Exceptions
DI water voa vials received with tcore kit did not have sample volume present in vials. Only meoh vial was used for sampling. SB1-12"-18" (480-231006-1), SB1-7'-8' (480-231006-4), SB1-7'-8' (480-231006-4[MS]), SB1-7'-8' (480-231006-4[MSD]) and SB2-9'-10' (480-231006-14)

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 751930 recovered outside acceptance criteria, low biased, for Dichlorobromomethane and Chlorodibromomethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.The following associated samples are impacted: SB1-12"-18" (480-231006-1), SB1-7'-8' (480-231006-4), SB1-5'-8' (480-231006-5), SB2-4' (480-231006-9), SB2-4' DUP (480-231006-10) and SB2-9'-10' (480-231006-14)

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-751902 and analytical batch 480-751930 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The following associated samples are impacted: SB1-7'-8' (480-231006-4[MS]) and SB1-7'-8' (480-231006-4[MSD])

Method 8260C: The following sample(s) were analyzed using medium level soil analysis due to no low level terracore volume present. Client was contacted and instructed us to proceed with medium level analysis: SB1-12"-18" (480-231006-1), SB1-7'-8' (480-231006-4), SB1-7'-8' (480-231006-4[MS]), SB1-7'-8' (480-231006-4[MSD]), SB1-5'-8' (480-231006-5), SB2-4' (480-231006-9), SB2-4' DUP (480-231006-10) and SB2-9'-10' (480-231006-14). Elevated reporting limits (RLs) are provided.

Method 8260C: Sample was prepped via a bulk container as no terracore container was received: SB1-5'-8' (480-231006-5). The client was contacted and instructed us to proceed with bulk preparation.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

LCMS
Method 1633A: The LCS and LLCS labeled isotope(s) 13C5 PFPeA recovery associated with sample: RINSATE (480-231006-6) is outside the QC acceptance limits. Since the recovery for target analytes is within the limits, the data is reported.

Job ID: 480-231006-1 (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method 3546: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: SB1-12'-48" (480-231006-3), SB1-5'-8' (480-231006-5), SB2-12"-5' (480-231006-12), (480-231006-B-3 MS) and (480-231006-B-3 MSD).

Method 1633A: Samples(s) RINSATE (480-231006-6) were submitted in a nonstandard container and subsampling was required. The client was contacted before proceeding.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Client Sample ID: SB1-12"-18" — Lab Sample ID: 480-231006-1

No Detections.

Client Sample ID: SB1-18"-30" — Lab Sample ID: 480-231006-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	0.16	J	0.20	0.050	ng/g	1	☼	1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.99		0.20	0.11	ng/g	1	☼	1633A	Total/NA
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.60		0.20	0.11	ng/g	1	☼	1633A	Total/NA

Client Sample ID: SB1-12'-48" — Lab Sample ID: 480-231006-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	810	J	1700	270	ug/Kg	10	☼	8270D	Total/NA
Acenaphthylene	730	J	1700	330	ug/Kg	10	☼	8270D	Total/NA
Anthracene	1300	J	1700	320	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	3200		1700	240	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	2800		1700	300	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	2500		1700	230	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	2100		1700	300	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	1400	J	1700	390	ug/Kg	10	☼	8270D	Total/NA
Chrysene	3600		1700	420	ug/Kg	10	☼	8270D	Total/NA
Dibenz(a,h)anthracene	480	J	1700	350	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	4400		1700	320	ug/Kg	10	☼	8270D	Total/NA
Fluorene	490	J	1700	320	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1200	J	1700	260	ug/Kg	10	☼	8270D	Total/NA
Naphthalene	910	J	1700	290	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	3200		1700	330	ug/Kg	10	☼	8270D	Total/NA
Pyrene	8000		1700	330	ug/Kg	10	☼	8270D	Total/NA
4,4'-DDT	32	J	67	16	ug/Kg	20	☼	8081B	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.056	J	0.19	0.048	ng/g	1	☼	1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.40		0.19	0.10	ng/g	1	☼	1633A	Total/NA
Aluminum	18100		11.2	9.7	mg/Kg	1	☼	6010D	Total/NA
Arsenic	1.6	J	2.2	0.99	mg/Kg	1	☼	6010D	Total/NA
Barium	114		0.56	0.16	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.42		0.22	0.045	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.29		0.22	0.078	mg/Kg	1	☼	6010D	Total/NA
Calcium	12100		56.0	30.3	mg/Kg	1	☼	6010D	Total/NA
Chromium	22.6		0.56	0.40	mg/Kg	1	☼	6010D	Total/NA
Cobalt	18.7		0.56	0.11	mg/Kg	1	☼	6010D	Total/NA
Copper	102		1.1	0.64	mg/Kg	1	☼	6010D	Total/NA
Iron	34300		11.2	9.5	mg/Kg	1	☼	6010D	Total/NA
Lead	21.4		1.1	0.52	mg/Kg	1	☼	6010D	Total/NA
Magnesium	8370		22.4	9.5	mg/Kg	1	☼	6010D	Total/NA
Manganese	370		1.1	0.31	mg/Kg	1	☼	6010D	Total/NA
Nickel	24.9		5.6	0.28	mg/Kg	1	☼	6010D	Total/NA
Potassium	3980		33.6	27.2	mg/Kg	1	☼	6010D	Total/NA
Silver	0.35	J ^5-	0.67	0.22	mg/Kg	1	☼	6010D	Total/NA
Sodium	2130		157	68.7	mg/Kg	1	☼	6010D	Total/NA
Vanadium	61.5		0.56	0.15	mg/Kg	1	☼	6010D	Total/NA
Zinc	105	^5-	2.2	1.1	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.0056	J	0.021	0.0048	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Terracon Consultants Inc
Project/Site: HPN HVAC Upgrades - JA257025

Job ID: 480-231006-1

Client Sample ID: SB1-7'-8'

Lab Sample ID: 480-231006-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl acetate	100	J F1	270	26	ug/Kg	1	☼	8260C	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.3		0.19	0.11	ng/g	1	☼	1633A	Total/NA

Client Sample ID: SB1-5'-8'

Lab Sample ID: 480-231006-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	680	J	1700	270	ug/Kg	10	☼	8270D	Total/NA
Acenaphthene	320	J	1700	320	ug/Kg	10	☼	8270D	Total/NA
Acenaphthylene	480	J	1700	330	ug/Kg	10	☼	8270D	Total/NA
Anthracene	1000	J	1700	310	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	1400	J	1700	230	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	1600	J	1700	290	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	1300	J	1700	230	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	1400	J	1700	300	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	390	J	1700	380	ug/Kg	10	☼	8270D	Total/NA
Chrysene	1600	J	1700	410	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	2400		1700	310	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	600	J	1700	250	ug/Kg	10	☼	8270D	Total/NA
Naphthalene	920	J	1700	280	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	650	J	1700	320	ug/Kg	10	☼	8270D	Total/NA
Pyrene	4400		1700	320	ug/Kg	10	☼	8270D	Total/NA
4,4'-DDT	31	J	67	16	ug/Kg	20	☼	8081B	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.83		0.20	0.11	ng/g	1	☼	1633A	Total/NA
Aluminum	15800		10.9	9.4	mg/Kg	1	☼	6010D	Total/NA
Barium	149		0.54	0.15	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.40		0.22	0.043	mg/Kg	1	☼	6010D	Total/NA
Calcium	6400	F1	54.3	29.3	mg/Kg	1	☼	6010D	Total/NA
Chromium	26.6		0.54	0.39	mg/Kg	1	☼	6010D	Total/NA
Cobalt	12.1		0.54	0.11	mg/Kg	1	☼	6010D	Total/NA
Copper	31.3		1.1	0.62	mg/Kg	1	☼	6010D	Total/NA
Iron	25300		10.9	9.2	mg/Kg	1	☼	6010D	Total/NA
Lead	9.3		1.1	0.50	mg/Kg	1	☼	6010D	Total/NA
Magnesium	7480	F1	21.7	9.2	mg/Kg	1	☼	6010D	Total/NA
Manganese	297	F1	1.1	0.30	mg/Kg	1	☼	6010D	Total/NA
Nickel	21.4		5.4	0.27	mg/Kg	1	☼	6010D	Total/NA
Potassium	6570		32.6	26.3	mg/Kg	1	☼	6010D	Total/NA
Sodium	344		152	66.6	mg/Kg	1	☼	6010D	Total/NA
Vanadium	45.6		0.54	0.14	mg/Kg	1	☼	6010D	Total/NA
Zinc	59.4	^5-	2.2	1.1	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.0060	J	0.022	0.0050	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: RINSATE

Lab Sample ID: 480-231006-6

No Detections.

Client Sample ID: SB2-12"-18"

Lab Sample ID: 480-231006-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	0.072	J	0.19	0.048	ng/g	1	☼	1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.28		0.19	0.11	ng/g	1	☼	1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Terracon Consultants Inc
Project/Site: HPN HVAC Upgrades - JA257025

Job ID: 480-231006-1

Client Sample ID: SB2-12"-18" DUP — Lab Sample ID: 480-231006-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	0.060	J	0.19	0.048	ng/g	1	☼	1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.28		0.19	0.10	ng/g	1	☼	1633A	Total/NA

Client Sample ID: SB2-4' — Lab Sample ID: 480-231006-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl acetate	440		240	23	ug/Kg	1	☼	8260C	Total/NA
Toluene	40	J	48	13	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	46	J	97	27	ug/Kg	1	☼	8260C	Total/NA
Styrene	13	J	48	12	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB2-4' DUP — Lab Sample ID: 480-231006-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl acetate	420		300	29	ug/Kg	1	☼	8260C	Total/NA
Toluene	55	J	61	16	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	57	J	120	34	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB2-24"-36" — Lab Sample ID: 480-231006-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	0.074	J	0.20	0.050	ng/g	1	☼	1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.40		0.20	0.11	ng/g	1	☼	1633A	Total/NA

Client Sample ID: SB2-12"-5' — Lab Sample ID: 480-231006-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	2300		1900	290	ug/Kg	10	☼	8270D	Total/NA
Acenaphthene	650	J	1900	350	ug/Kg	10	☼	8270D	Total/NA
Acenaphthylene	1300	J	1900	360	ug/Kg	10	☼	8270D	Total/NA
Anthracene	3500		1900	350	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	8900		1900	260	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	6000		1900	320	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	5800		1900	250	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	4200		1900	330	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	2100		1900	420	ug/Kg	10	☼	8270D	Total/NA
Chrysene	9100		1900	450	ug/Kg	10	☼	8270D	Total/NA
Dibenz(a,h)anthracene	1200	J	1900	380	ug/Kg	10	☼	8270D	Total/NA
Dibenzofuran	520	J	1900	330	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	14000		1900	340	ug/Kg	10	☼	8270D	Total/NA
Fluorene	2600		1900	340	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	2400		1900	280	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	24000		1900	350	ug/Kg	10	☼	8270D	Total/NA
Pyrene	22000		1900	360	ug/Kg	10	☼	8270D	Total/NA
4,4'-DDT	40	J	73	17	ug/Kg	20	☼	8081B	Total/NA
Methoxychlor	26	J	73	15	ug/Kg	20	☼	8081B	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.054	J	0.20	0.049	ng/g	1	☼	1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.087	J	0.20	0.049	ng/g	1	☼	1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.4		0.20	0.11	ng/g	1	☼	1633A	Total/NA
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.35	J	0.98	0.29	ng/g	1	☼	1633A	Total/NA
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.33	J	0.98	0.29	ng/g	1	☼	1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: SB2-12"-5' (Continued) — Lab Sample ID: 480-231006-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	16500		11.2	9.7	mg/Kg	1	☼	6010D	Total/NA
Arsenic	2.3		2.2	0.99	mg/Kg	1	☼	6010D	Total/NA
Barium	121		0.56	0.16	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.56		0.22	0.045	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.10	J	0.22	0.079	mg/Kg	1	☼	6010D	Total/NA
Calcium	19800		56.2	30.4	mg/Kg	1	☼	6010D	Total/NA
Chromium	26.3		0.56	0.40	mg/Kg	1	☼	6010D	Total/NA
Cobalt	13.5		0.56	0.11	mg/Kg	1	☼	6010D	Total/NA
Copper	49.2		1.1	0.64	mg/Kg	1	☼	6010D	Total/NA
Iron	25600		11.2	9.5	mg/Kg	1	☼	6010D	Total/NA
Lead	41.4		1.1	0.52	mg/Kg	1	☼	6010D	Total/NA
Magnesium	9580		22.5	9.5	mg/Kg	1	☼	6010D	Total/NA
Manganese	406		1.1	0.31	mg/Kg	1	☼	6010D	Total/NA
Nickel	22.0		5.6	0.28	mg/Kg	1	☼	6010D	Total/NA
Potassium	4850		33.7	27.3	mg/Kg	1	☼	6010D	Total/NA
Sodium	738		157	68.9	mg/Kg	1	☼	6010D	Total/NA
Vanadium	60.4		0.56	0.15	mg/Kg	1	☼	6010D	Total/NA
Zinc	74.3	^5-	2.2	1.1	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.0081	J	0.021	0.0049	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB2-9'-10' — Lab Sample ID: 480-231006-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	0.061	J	0.20	0.060	ng/g	1	☼	1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.28		0.20	0.050	ng/g	1	☼	1633A	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.22		0.20	0.070	ng/g	1	☼	1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.4		0.20	0.11	ng/g	1	☼	1633A	Total/NA

Client Sample ID: SB2-9'-10' — Lab Sample ID: 480-231006-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	36	J	180	34	ug/Kg	1	☼	8270D	Total/NA
4,4'-DDT	1.4	J	3.5	0.82	ug/Kg	1	☼	8081B	Total/NA
Methoxychlor	1.2	J	3.5	0.72	ug/Kg	1	☼	8081B	Total/NA
Aluminum	27400		11.2	9.6	mg/Kg	1	☼	6010D	Total/NA
Barium	232		0.56	0.16	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.86		0.22	0.045	mg/Kg	1	☼	6010D	Total/NA
Calcium	1880		56.0	30.2	mg/Kg	1	☼	6010D	Total/NA
Chromium	40.6		0.56	0.40	mg/Kg	1	☼	6010D	Total/NA
Cobalt	21.1		0.56	0.11	mg/Kg	1	☼	6010D	Total/NA
Copper	47.1		1.1	0.64	mg/Kg	1	☼	6010D	Total/NA
Iron	36200		11.2	9.5	mg/Kg	1	☼	6010D	Total/NA
Lead	6.4		1.1	0.51	mg/Kg	1	☼	6010D	Total/NA
Magnesium	9030		22.4	9.5	mg/Kg	1	☼	6010D	Total/NA
Manganese	558		1.1	0.31	mg/Kg	1	☼	6010D	Total/NA
Nickel	34.9		5.6	0.28	mg/Kg	1	☼	6010D	Total/NA
Potassium	8800		33.6	27.1	mg/Kg	1	☼	6010D	Total/NA
Silver	0.24	J ^5-	0.67	0.22	mg/Kg	1	☼	6010D	Total/NA
Sodium	843		157	68.6	mg/Kg	1	☼	6010D	Total/NA
Vanadium	84.9		0.56	0.15	mg/Kg	1	☼	6010D	Total/NA
Zinc	74.7	^5-	2.2	1.1	mg/Kg	1	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Terracon Consultants Inc
Project/Site: HPN HVAC Upgrades - JA257025

Job ID: 480-231006-1

Client Sample ID: SB1-12"-18"
Date Collected: 07/09/25 12:00
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-1
Matrix: Solid
Percent Solids: 93.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		41	11	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
1,1,2,2-Tetrachloroethane	ND		41	6.7	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		41	21	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
1,1,2-Trichloroethane	ND		41	8.6	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
1,1-Dichloroethane	ND		41	13	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
1,1-Dichloroethene	ND		41	14	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
1,2,4-Trichlorobenzene	ND		41	16	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
1,2-Dibromo-3-Chloropropane	ND		41	21	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
1,2-Dichlorobenzene	ND		41	10	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
1,2-Dichloroethane	ND		41	17	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
1,2-Dichloropropane	ND		41	6.7	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
1,3-Dichlorobenzene	ND		41	11	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
1,4-Dichlorobenzene	ND		41	5.8	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
2-Butanone (MEK)	ND		210	120	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
2-Hexanone	ND		210	84	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
4-Methyl-2-pentanone (MIBK)	ND		210	13	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Acetone	ND		210	170	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Benzene	ND		41	7.8	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Bromoform	ND		41	21	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Bromomethane	ND		41	9.1	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Carbon disulfide	ND		41	19	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Carbon tetrachloride	ND		41	10	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Chlorobenzene	ND		41	5.4	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Dibromochloromethane	ND		41	20	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Chloroethane	ND		41	8.6	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Chloroform	ND		41	28	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Chloromethane	ND		41	9.8	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
cis-1,2-Dichloroethene	ND		41	11	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Cyclohexane	ND		41	9.1	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Bromodichloromethane	ND		41	8.2	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Dichlorodifluoromethane	ND		41	18	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Ethylbenzene	ND		41	12	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
1,2-Dibromoethane	ND		41	7.2	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Isopropylbenzene	ND		41	6.2	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Methyl acetate	ND		210	20	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Methyl tert-butyl ether	ND		41	16	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Methylcyclohexane	ND		41	19	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Methylene Chloride	ND		41	8.1	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Tetrachloroethene	ND		41	5.5	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Toluene	ND		41	11	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
trans-1,2-Dichloroethene	ND		41	9.7	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
trans-1,3-Dichloropropene	ND		41	4.0	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Trichloroethene	ND		41	11	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Trichlorofluoromethane	ND		41	19	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Vinyl chloride	ND		41	14	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Xylenes, Total	ND		82	23	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
cis-1,3-Dichloropropene	ND		41	9.8	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1
Styrene	ND		41	9.9	ug/Kg	☼	07/16/25 10:48	07/17/25 05:49	1

Client: Terracon Consultants Inc
Project/Site: HPN HVAC Upgrades - JA257025

Job ID: 480-231006-1

Client Sample ID: SB1-12"-18"
Date Collected: 07/09/25 12:00
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-1
Matrix: Solid
Percent Solids: 93.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*07/16/25 10:48*	*07/17/25 05:49*	*1*
4-Bromofluorobenzene (Surr)	*87*		*49 - 148*	*07/16/25 10:48*	*07/17/25 05:49*	*1*
Toluene-d8 (Surr)	*101*		*50 - 149*	*07/16/25 10:48*	*07/17/25 05:49*	*1*
Dibromofluoromethane (Surr)	*84*		*60 - 140*	*07/16/25 10:48*	*07/17/25 05:49*	*1*

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.38	0.12	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.057	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.067	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.057	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.057	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.048	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.19	0.067	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.067	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.067	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.057	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.048	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.067	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.11	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.067	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.057	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.38	0.096	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.38	0.12	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.38	0.12	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.086	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.086	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.096	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.076	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.11	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.96	0.29	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.96	0.29	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.11	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.057	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.067	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1

Client Sample ID: SB1-12"-18"
Lab Sample ID: 480-231006-1
Date Collected: 07/09/25 12:00
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 93.9

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.067	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.19	0.086	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.19	0.076	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.19	0.048	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.38	0.19	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.96	0.48	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.96	0.38	ng/g	☼	07/18/25 14:16	07/19/25 09:28	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*115*		*8 - 130*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
13C5 PFPeA	*112*		*35 - 130*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
13C5 PFHxA	*111*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
13C4 PFHpA	*101*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
13C8 PFOA	*119*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
13C9 PFNA	*107*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
13C6 PFDA	*101*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
13C7 PFUnA	*103*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
13C2 PFTeDA	*107*		*20 - 130*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
13C3 PFBS	*98.6*		*40 - 135*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
13C3 PFHxS	*93.8*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
13C8 PFOS	*91.4*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
13C8 FOSA	*83.5*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
d3-NMeFOSAA	*92.6*		*40 - 135*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
d5-NEtFOSAA	*89.7*		*40 - 150*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
13C2 4:2 FTS	*106*		*40 - 165*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
13C2 6:2 FTS	*103*		*40 - 215*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
13C2 8:2 FTS	*94.8*		*40 - 275*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
13C3 HFPO-DA	*99.1*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
d7-N-MeFOSE-M	*68.5*		*20 - 130*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
d9-N-EtFOSE-M	*60.7*		*15 - 130*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
d5-NEtPFOSA	*85.8*		*10 - 130*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
d3-NMePFOSA	*80.4*		*10 - 130*	*07/18/25 14:16*	*07/19/25 09:28*	*1*
13C2 PFDoA	*106*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:28*	*1*

Client: Terracon Consultants Inc
Project/Site: HPN HVAC Upgrades - JA257025

Job ID: 480-231006-1

Client Sample ID: SB1-18"-30"
Date Collected: 07/09/25 12:00
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-2
Matrix: Solid
Percent Solids: 92.3

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.13	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.060	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.060	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluorohexanesulfonic acid (PFHxS)	**0.16**	**J**	0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluorooctanesulfonic acid (PFOS)	**0.99**		0.20	0.11	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.090	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.090	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.080	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	**0.60**		0.20	0.11	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.30	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.30	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Client Sample ID: SB1-18"-30"
Lab Sample ID: 480-231006-2
Date Collected: 07/09/25 12:00
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 92.3

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.090	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.080	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.40	ng/g	☼	07/21/25 14:12	07/25/25 04:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82.8*		*8 - 130*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
13C5 PFPeA	*99.4*		*35 - 130*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
13C5 PFHxA	*94.4*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
13C4 PFHpA	*92.5*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
13C8 PFOA	*92.3*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
13C9 PFNA	*91.0*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
13C6 PFDA	*82.3*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
13C7 PFUnA	*84.6*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
13C2 PFTeDA	*59.7*		*20 - 130*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
13C3 PFBS	*86.1*		*40 - 135*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
13C3 PFHxS	*83.1*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
13C8 PFOS	*76.8*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
13C8 FOSA	*69.0*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
d3-NMeFOSAA	*78.3*		*40 - 135*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
d5-NEtFOSAA	*69.5*		*40 - 150*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
13C2 4:2 FTS	*83.1*		*40 - 165*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
13C2 6:2 FTS	*81.1*		*40 - 215*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
13C2 8:2 FTS	*75.0*		*40 - 275*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
13C3 HFPO-DA	*87.1*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
d7-N-MeFOSE-M	*26.1*		*20 - 130*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
d9-N-EtFOSE-M	*19.5*		*15 - 130*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
d5-NEtPFOSA	*59.8*		*10 - 130*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
d3-NMePFOSA	*64.8*		*10 - 130*	*07/21/25 14:12*	*07/25/25 04:03*	*1*
13C2 PFDoA	*66.5*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:03*	*1*

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Client Sample ID: SB1-12'-48"
Lab Sample ID: 480-231006-3
Date Collected: 07/09/25 12:00
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 94.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1700	330	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
bis (2-chloroisopropyl) ether	ND		1700	360	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
2,4,5-Trichlorophenol	ND		1700	350	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
2,4,6-Trichlorophenol	ND		1700	260	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
2,4-Dichlorophenol	ND		1700	340	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
2,4-Dimethylphenol	ND		1700	370	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
2,4-Dinitrophenol	ND		17000	330	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
2,4-Dinitrotoluene	ND		1700	240	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
2,6-Dinitrotoluene	ND		1700	250	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
2-Chloronaphthalene	ND		1700	320	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
2-Chlorophenol	ND		1700	270	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
2-Methylnaphthalene	**810**	**J**	1700	270	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
2-Methylphenol	ND		1700	280	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
2-Nitroaniline	ND		3400	290	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
2-Nitrophenol	ND		1700	200	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
3,3'-Dichlorobenzidine	ND		3400	510	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
3-Nitroaniline	ND		3400	250	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
4,6-Dinitro-2-methylphenol	ND		3400	380	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
4-Bromophenyl phenyl ether	ND		1700	290	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
4-Chloro-3-methylphenol	ND		1700	360	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
4-Chloroaniline	ND		1700	250	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
4-Chlorophenyl phenyl ether	ND		1700	360	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
4-Methylphenol	ND		3400	310	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
4-Nitroaniline	ND		3400	250	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
4-Nitrophenol	ND		3400	470	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Acenaphthene	ND		1700	320	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Acenaphthylene	**730**	**J**	1700	330	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Acetophenone	ND		1700	310	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Anthracene	**1300**	**J**	1700	320	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Atrazine	ND		1700	590	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Benzaldehyde	ND		1700	1300	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Benzo[a]anthracene	**3200**		1700	240	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Benzo[a]pyrene	**2800**		1700	300	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Benzo[b]fluoranthene	**2500**		1700	230	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Benzo[g,h,i]perylene	**2100**		1700	300	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Benzo[k]fluoranthene	**1400**	**J**	1700	390	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Bis(2-chloroethoxy)methane	ND		1700	330	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Bis(2-chloroethyl)ether	ND		1700	330	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Bis(2-ethylhexyl) phthalate	ND		1700	380	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Butyl benzyl phthalate	ND		1700	320	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Caprolactam	ND		1700	400	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Carbazole	ND		1700	340	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Chrysene	**3600**		1700	420	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Dibenz(a,h)anthracene	**480**	**J**	1700	350	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Dibenzofuran	ND		1700	310	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Diethyl phthalate	ND		1700	310	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Dimethyl phthalate	ND		1700	330	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Di-n-butyl phthalate	ND		1700	390	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Di-n-octyl phthalate	ND		1700	330	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10

Client Sample ID: SB1-12'-48"
Lab Sample ID: 480-231006-3
Date Collected: 07/09/25 12:00
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 94.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**4400**		1700	320	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Fluorene	**490**	**J**	1700	320	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Hexachlorobenzene	ND		1700	330	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Hexachlorobutadiene	ND		1700	260	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Hexachlorocyclopentadiene	ND		3400	760	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Hexachloroethane	ND		1700	320	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Indeno[1,2,3-cd]pyrene	**1200**	**J**	1700	260	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Isophorone	ND		1700	360	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Naphthalene	**910**	**J**	1700	290	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Nitrobenzene	ND		1700	290	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
N-Nitrosodi-n-propylamine	ND		1700	390	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
N-Nitrosodiphenylamine	ND		1700	290	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Pentachlorophenol	ND		3400	550	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Phenanthrene	**3200**		1700	330	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Phenol	ND		1700	320	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10
Pyrene	**8000**		1700	330	ug/Kg	☼	07/12/25 07:49	07/18/25 15:51	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*57*		*22 - 120*	*07/12/25 07:49*	*07/18/25 15:51*	*10*
p-Terphenyl-d14 (Surr)	*87*		*28 - 124*	*07/12/25 07:49*	*07/18/25 15:51*	*10*
Phenol-d5 (Surr)	*79*		*23 - 120*	*07/12/25 07:49*	*07/18/25 15:51*	*10*
2-Fluorophenol (Surr)	*83*		*18 - 120*	*07/12/25 07:49*	*07/18/25 15:51*	*10*
2,4,6-Tribromophenol (Surr)	*82*		*10 - 140*	*07/12/25 07:49*	*07/18/25 15:51*	*10*
2-Fluorobiphenyl (Surr)	*83*		*29 - 120*	*07/12/25 07:49*	*07/18/25 15:51*	*10*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		67	13	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20
4,4'-DDE	ND		67	14	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20
4,4'-DDT	**32**	**J**	67	16	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20
Aldrin	ND	F1	67	16	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20
alpha-BHC	ND		67	12	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20
cis-Chlordane	ND	F1	67	33	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20
beta-BHC	ND		67	12	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20
delta-BHC	ND		67	12	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20
Dieldrin	ND	F2	67	16	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20
Endosulfan I	ND	F1	67	13	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20
Endosulfan II	ND		67	12	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20
Endosulfan sulfate	ND		67	12	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20
Endrin	ND		67	13	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20
Endrin aldehyde	ND	F1	67	17	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20
Endrin ketone	ND		67	16	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20
gamma-BHC (Lindane)	ND		67	12	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20
trans-Chlordane	ND	F1	67	21	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20
Heptachlor	ND		67	14	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20
Heptachlor epoxide	ND	F1	67	17	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20
Methoxychlor	ND		67	14	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20
Toxaphene	ND		670	390	ug/Kg	☼	07/15/25 06:52	07/18/25 11:17	20

Client Sample ID: SB1-12'-48"
Date Collected: 07/09/25 12:00
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-3
Matrix: Solid
Percent Solids: 94.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*114*		*45 - 120*	*07/15/25 06:52*	*07/18/25 11:17*	*20*
DCB Decachlorobiphenyl	*216*	*S1+*	*45 - 120*	*07/15/25 06:52*	*07/18/25 11:17*	*20*
Tetrachloro-m-xylene	*0*	*S1-*	*30 - 124*	*07/15/25 06:52*	*07/18/25 11:17*	*20*
Tetrachloro-m-xylene	*0*	*S1-*	*30 - 124*	*07/15/25 06:52*	*07/18/25 11:17*	*20*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0056	mg/Kg	☼	07/21/25 17:00	07/22/25 13:39	1
PCB-1221	ND		0.018	0.0056	mg/Kg	☼	07/21/25 17:00	07/22/25 13:39	1
PCB-1232	ND		0.018	0.0056	mg/Kg	☼	07/21/25 17:00	07/22/25 13:39	1
PCB-1242	ND		0.018	0.0056	mg/Kg	☼	07/21/25 17:00	07/22/25 13:39	1
PCB-1248	ND		0.018	0.0056	mg/Kg	☼	07/21/25 17:00	07/22/25 13:39	1
PCB-1254	ND		0.018	0.0068	mg/Kg	☼	07/21/25 17:00	07/22/25 13:39	1
PCB-1260	ND	F1	0.018	0.0068	mg/Kg	☼	07/21/25 17:00	07/22/25 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*68 - 130*	*07/21/25 17:00*	*07/22/25 13:39*	*1*
Tetrachloro-m-xylene	*55*	*S1- p*	*68 - 130*	*07/21/25 17:00*	*07/22/25 13:39*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*66 - 130*	*07/21/25 17:00*	*07/22/25 13:39*	*1*
DCB Decachlorobiphenyl (Surr)	*60*	*S1-*	*66 - 130*	*07/21/25 17:00*	*07/22/25 13:39*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		18	5.6	ug/Kg	☼	07/19/25 05:38	07/24/25 02:57	1
Silvex (2,4,5-TP)	ND		18	6.3	ug/Kg	☼	07/19/25 05:38	07/24/25 02:57	1
2,4-D	ND		18	11	ug/Kg	☼	07/19/25 05:38	07/24/25 02:57	1
Dichlorprop	ND		18	8.8	ug/Kg	☼	07/19/25 05:38	07/24/25 02:57	1
Pentachlorophenol	ND		18	5.7	ug/Kg	☼	07/19/25 05:38	07/24/25 02:57	1
Picloram	ND		18	7.6	ug/Kg	☼	07/19/25 05:38	07/24/25 02:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*45*		*28 - 129*	*07/19/25 05:38*	*07/24/25 02:57*	*1*
2,4-Dichlorophenylacetic acid	*40*		*28 - 129*	*07/19/25 05:38*	*07/24/25 02:57*	*1*

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.38	0.12	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.057	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.067	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.057	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.057	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.048	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.19	0.067	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.067	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.067	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.057	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluorohexanesulfonic acid (PFHxS)	**0.056**	**J**	0.19	0.048	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1

Client Sample ID: SB1-12'-48"
Date Collected: 07/09/25 12:00
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-3
Matrix: Solid
Percent Solids: 94.0

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.067	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluorooctanesulfonic acid (PFOS)	**0.40**		0.19	0.10	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.067	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.057	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.38	0.095	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.38	0.12	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.38	0.12	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.086	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.086	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.095	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.076	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.10	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.95	0.29	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.95	0.29	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.10	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.057	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.067	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.067	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.19	0.086	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.19	0.076	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.19	0.048	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.38	0.19	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.95	0.48	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.95	0.38	ng/g	☼	07/18/25 14:16	07/19/25 09:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*109*		*8 - 130*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
13C5 PFPeA	*113*		*35 - 130*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
13C5 PFHxA	*108*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
13C4 PFHpA	*109*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
13C8 PFOA	*111*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:41*	*1*

Client Sample ID: SB1-12'-48"
Date Collected: 07/09/25 12:00
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-3
Matrix: Solid
Percent Solids: 94.0

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C9 PFNA	*99.5*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
13C6 PFDA	*95.1*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
13C7 PFUnA	*105*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
13C2 PFTeDA	*98.4*		*20 - 130*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
13C3 PFBS	*101*		*40 - 135*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
13C3 PFHxS	*92.6*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
13C8 PFOS	*83.5*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
13C8 FOSA	*85.5*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
d3-NMeFOSAA	*95.2*		*40 - 135*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
d5-NEtFOSAA	*93.6*		*40 - 150*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
13C2 4:2 FTS	*104*		*40 - 165*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
13C2 6:2 FTS	*100*		*40 - 215*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
13C2 8:2 FTS	*93.6*		*40 - 275*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
13C3 HFPO-DA	*102*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
d7-N-MeFOSE-M	*60.4*		*20 - 130*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
d9-N-EtFOSE-M	*58.0*		*15 - 130*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
d5-NEtPFOSA	*81.3*		*10 - 130*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
d3-NMePFOSA	*76.6*		*10 - 130*	*07/18/25 14:16*	*07/19/25 09:41*	*1*
13C2 PFDoA	*95.2*		*40 - 130*	*07/18/25 14:16*	*07/19/25 09:41*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**18100**		11.2	9.7	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Antimony	ND		16.8	0.59	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Arsenic	**1.6**	**J**	2.2	0.99	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Barium	**114**		0.56	0.16	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Beryllium	**0.42**		0.22	0.045	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Cadmium	**0.29**		0.22	0.078	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Calcium	**12100**		56.0	30.3	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Chromium	**22.6**		0.56	0.40	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Cobalt	**18.7**		0.56	0.11	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Copper	**102**		1.1	0.64	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Iron	**34300**		11.2	9.5	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Lead	**21.4**		1.1	0.52	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Magnesium	**8370**		22.4	9.5	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Manganese	**370**		1.1	0.31	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Nickel	**24.9**		5.6	0.28	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Potassium	**3980**		33.6	27.2	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Selenium	ND		4.5	0.90	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Silver	**0.35**	**J ^5-**	0.67	0.22	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Sodium	**2130**		157	68.7	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Thallium	ND		6.7	0.85	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Vanadium	**61.5**		0.56	0.15	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1
Zinc	**105**	**^5-**	2.2	1.1	mg/Kg	☼	07/17/25 08:43	07/18/25 12:20	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0056**	**J**	0.021	0.0048	mg/Kg	☼	07/14/25 10:43	07/14/25 13:38	1

Client: Terracon Consultants Inc
Project/Site: HPN HVAC Upgrades - JA257025

Job ID: 480-231006-1

Client Sample ID: SB1-7'-8'
Date Collected: 07/09/25 12:45
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-4
Matrix: Solid
Percent Solids: 89.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	F1	54	15	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
1,1,2,2-Tetrachloroethane	ND	F1	54	8.7	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		54	27	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
1,1,2-Trichloroethane	ND	F1	54	11	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
1,1-Dichloroethane	ND	F1	54	17	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
1,1-Dichloroethene	ND		54	19	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
1,2,4-Trichlorobenzene	ND	F1	54	20	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
1,2-Dibromo-3-Chloropropane	ND	F1	54	27	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
1,2-Dichlorobenzene	ND	F1	54	14	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
1,2-Dichloroethane	ND	F1	54	22	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
1,2-Dichloropropane	ND	F1	54	8.7	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
1,3-Dichlorobenzene	ND	F1	54	14	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
1,4-Dichlorobenzene	ND	F1	54	7.5	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
2-Butanone (MEK)	ND	F1	270	160	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
2-Hexanone	ND	F1	270	110	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
4-Methyl-2-pentanone (MIBK)	ND	F1	270	17	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Acetone	ND	F1	270	220	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Benzene	ND	F1	54	10	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Bromoform	ND		54	27	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Bromomethane	ND		54	12	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Carbon disulfide	ND		54	24	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Carbon tetrachloride	ND		54	14	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Chlorobenzene	ND	F1	54	7.1	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Dibromochloromethane	ND		54	26	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Chloroethane	ND		54	11	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Chloroform	ND	F1	54	37	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Chloromethane	ND		54	13	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
cis-1,2-Dichloroethene	ND	F1	54	15	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Cyclohexane	ND	F1	54	12	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Bromodichloromethane	ND		54	11	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Dichlorodifluoromethane	ND		54	23	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Ethylbenzene	ND	F1	54	16	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
1,2-Dibromoethane	ND	F1	54	9.4	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Isopropylbenzene	ND	F1	54	8.1	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Methyl acetate	**100**	**J F1**	270	26	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Methyl tert-butyl ether	ND	F1	54	20	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Methylcyclohexane	ND	F1	54	25	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Methylene Chloride	ND	F1	54	11	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Tetrachloroethene	ND	F1	54	7.2	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Toluene	ND	F1	54	14	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
trans-1,2-Dichloroethene	ND	F1	54	13	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
trans-1,3-Dichloropropene	ND	F1	54	5.3	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Trichloroethene	ND	F1	54	15	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Trichlorofluoromethane	ND		54	25	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Vinyl chloride	ND		54	18	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Xylenes, Total	ND	F1	110	30	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
cis-1,3-Dichloropropene	ND		54	13	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1
Styrene	ND	F1	54	13	ug/Kg	☼	07/16/25 10:48	07/17/25 06:12	1

Client: Terracon Consultants Inc
Project/Site: HPN HVAC Upgrades - JA257025

Job ID: 480-231006-1

Client Sample ID: SB1-7'-8'
Date Collected: 07/09/25 12:45
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-4
Matrix: Solid
Percent Solids: 89.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		53 - 146	07/16/25 10:48	07/17/25 06:12	1
4-Bromofluorobenzene (Surr)	89		49 - 148	07/16/25 10:48	07/17/25 06:12	1
Toluene-d8 (Surr)	101		50 - 149	07/16/25 10:48	07/17/25 06:12	1
Dibromofluoromethane (Surr)	79		60 - 140	07/16/25 10:48	07/17/25 06:12	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.38	0.12	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.057	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.057	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.057	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.057	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluorooctanesulfonic acid (PFOS)	**1.3**		0.19	0.11	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.057	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.38	0.096	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.38	0.12	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.38	0.12	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.086	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.086	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.096	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.076	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.11	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.96	0.29	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.96	0.29	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.11	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.057	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1

Client Sample ID: SB1-7'-8'
Date Collected: 07/09/25 12:45
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-4
Matrix: Solid
Percent Solids: 89.4

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.19	0.086	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.19	0.076	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.38	0.19	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.96	0.48	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.96	0.38	ng/g	☼	07/21/25 14:12	07/25/25 04:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79.0*		*8 - 130*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
13C5 PFPeA	*89.8*		*35 - 130*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
13C5 PFHxA	*81.5*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
13C4 PFHpA	*82.3*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
13C8 PFOA	*75.7*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
13C9 PFNA	*76.6*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
13C6 PFDA	*72.6*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
13C7 PFUnA	*76.4*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
13C2 PFTeDA	*48.6*		*20 - 130*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
13C3 PFBS	*79.3*		*40 - 135*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
13C3 PFHxS	*75.5*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
13C8 PFOS	*69.3*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
13C8 FOSA	*68.4*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
d3-NMeFOSAA	*73.0*		*40 - 135*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
d5-NEtFOSAA	*66.9*		*40 - 150*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
13C2 4:2 FTS	*77.2*		*40 - 165*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
13C2 6:2 FTS	*74.4*		*40 - 215*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
13C2 8:2 FTS	*67.4*		*40 - 275*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
13C3 HFPO-DA	*77.7*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
d7-N-MeFOSE-M	*37.7*		*20 - 130*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
d9-N-EtFOSE-M	*35.3*		*15 - 130*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
d5-NEtPFOSA	*56.8*		*10 - 130*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
d3-NMePFOSA	*63.0*		*10 - 130*	*07/21/25 14:12*	*07/25/25 04:17*	*1*
13C2 PFDoA	*65.3*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:17*	*1*

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Client Sample ID: SB1-5'-8'
Lab Sample ID: 480-231006-5
Date Collected: 07/09/25 12:45
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 96.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		96	27	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
1,1,2,2-Tetrachloroethane	ND		96	16	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		96	48	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
1,1,2-Trichloroethane	ND		96	20	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
1,1-Dichloroethane	ND		96	30	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
1,1-Dichloroethene	ND		96	33	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
1,2,4-Trichlorobenzene	ND		96	36	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
1,2-Dibromo-3-Chloropropane	ND		96	48	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
1,2-Dibromoethane	ND		96	17	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
1,2-Dichlorobenzene	ND		96	25	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
1,2-Dichloroethane	ND		96	39	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
1,2-Dichloropropane	ND		96	16	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
1,3-Dichlorobenzene	ND		96	26	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
1,4-Dichlorobenzene	ND		96	13	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
2-Butanone (MEK)	ND		480	290	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
2-Hexanone	ND		480	200	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
4-Methyl-2-pentanone (MIBK)	ND		480	31	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Acetone	ND		480	400	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Benzene	ND		96	18	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Bromodichloromethane	ND		96	19	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Bromoform	ND		96	48	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Bromomethane	ND		96	21	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Carbon disulfide	ND		96	44	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Carbon tetrachloride	ND		96	25	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Chlorobenzene	ND		96	13	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Chloroethane	ND		96	20	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Chloroform	ND		96	66	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Chloromethane	ND		96	23	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
cis-1,2-Dichloroethene	ND		96	27	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
cis-1,3-Dichloropropene	ND		96	23	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Cyclohexane	ND		96	21	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Dibromochloromethane	ND		96	47	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Dichlorodifluoromethane	ND		96	42	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Ethylbenzene	ND		96	28	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Isopropylbenzene	ND		96	14	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Methyl acetate	ND		480	46	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Methyl tert-butyl ether	ND		96	36	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Methylcyclohexane	ND		96	45	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Methylene Chloride	ND		96	19	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Styrene	ND		96	23	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Tetrachloroethene	ND		96	13	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Toluene	ND		96	26	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
trans-1,2-Dichloroethene	ND		96	23	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
trans-1,3-Dichloropropene	ND		96	9.5	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Trichloroethene	ND		96	27	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Trichlorofluoromethane	ND		96	45	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Vinyl chloride	ND		96	32	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1
Xylenes, Total	ND		190	53	ug/Kg	☼	07/16/25 10:48	07/17/25 06:35	1

Client Sample ID: SB1-5'-8'
Date Collected: 07/09/25 12:45
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-5
Matrix: Solid
Percent Solids: 96.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*07/16/25 10:48*	*07/17/25 06:35*	*1*
4-Bromofluorobenzene (Surr)	*88*		*49 - 148*	*07/16/25 10:48*	*07/17/25 06:35*	*1*
Dibromofluoromethane (Surr)	*81*		*60 - 140*	*07/16/25 10:48*	*07/17/25 06:35*	*1*
Toluene-d8 (Surr)	*101*		*50 - 149*	*07/16/25 10:48*	*07/17/25 06:35*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1700	320	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
bis (2-chloroisopropyl) ether	ND		1700	350	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
2,4,5-Trichlorophenol	ND		1700	350	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
2,4,6-Trichlorophenol	ND		1700	260	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
2,4-Dichlorophenol	ND		1700	330	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
2,4-Dimethylphenol	ND		1700	360	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
2,4-Dinitrophenol	ND		17000	320	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
2,4-Dinitrotoluene	ND		1700	230	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
2,6-Dinitrotoluene	ND		1700	240	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
2-Chloronaphthalene	ND		1700	320	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
2-Chlorophenol	ND		1700	270	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
2-Methylnaphthalene	**680**	**J**	1700	270	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
2-Methylphenol	ND		1700	280	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
2-Nitroaniline	ND		3300	290	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
2-Nitrophenol	ND		1700	190	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
3,3'-Dichlorobenzidine	ND		3300	500	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
3-Nitroaniline	ND		3300	240	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
4,6-Dinitro-2-methylphenol	ND		3300	370	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
4-Bromophenyl phenyl ether	ND		1700	290	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
4-Chloro-3-methylphenol	ND		1700	350	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
4-Chloroaniline	ND		1700	240	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
4-Chlorophenyl phenyl ether	ND		1700	360	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
4-Methylphenol	ND		3300	300	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
4-Nitroaniline	ND		3300	250	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
4-Nitrophenol	ND		3300	470	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Acenaphthene	**320**	**J**	1700	320	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Acenaphthylene	**480**	**J**	1700	330	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Acetophenone	ND		1700	300	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Anthracene	**1000**	**J**	1700	310	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Atrazine	ND		1700	580	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Benzaldehyde	ND		1700	1300	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Benzo[a]anthracene	**1400**	**J**	1700	230	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Benzo[a]pyrene	**1600**	**J**	1700	290	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Benzo[b]fluoranthene	**1300**	**J**	1700	230	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Benzo[g,h,i]perylene	**1400**	**J**	1700	300	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Benzo[k]fluoranthene	**390**	**J**	1700	380	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Bis(2-chloroethoxy)methane	ND		1700	330	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Bis(2-chloroethyl)ether	ND		1700	320	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Bis(2-ethylhexyl) phthalate	ND		1700	370	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Butyl benzyl phthalate	ND		1700	310	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Caprolactam	ND		1700	390	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Carbazole	ND		1700	330	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Chrysene	**1600**	**J**	1700	410	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10

Client Sample ID: SB1-5'-8'
Lab Sample ID: 480-231006-5
Date Collected: 07/09/25 12:45
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 96.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		1700	340	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Dibenzofuran	ND		1700	300	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Diethyl phthalate	ND		1700	300	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Dimethyl phthalate	ND		1700	330	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Di-n-butyl phthalate	ND		1700	380	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Di-n-octyl phthalate	ND		1700	320	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Fluoranthene	**2400**		1700	310	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Fluorene	ND		1700	310	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Hexachlorobenzene	ND		1700	330	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Hexachlorobutadiene	ND		1700	250	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Hexachlorocyclopentadiene	ND		3300	740	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Hexachloroethane	ND		1700	310	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Indeno[1,2,3-cd]pyrene	**600**	**J**	1700	250	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Isophorone	ND		1700	350	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Naphthalene	**920**	**J**	1700	280	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Nitrobenzene	ND		1700	290	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
N-Nitrosodi-n-propylamine	ND		1700	380	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
N-Nitrosodiphenylamine	ND		1700	280	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Pentachlorophenol	ND		3300	540	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Phenanthrene	**650**	**J**	1700	320	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Phenol	ND		1700	310	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10
Pyrene	**4400**		1700	320	ug/Kg	☼	07/12/25 07:49	07/18/25 16:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*63*		*22 - 120*	*07/12/25 07:49*	*07/18/25 16:16*	*10*
p-Terphenyl-d14 (Surr)	*87*		*28 - 124*	*07/12/25 07:49*	*07/18/25 16:16*	*10*
Phenol-d5 (Surr)	*71*		*23 - 120*	*07/12/25 07:49*	*07/18/25 16:16*	*10*
2-Fluorophenol (Surr)	*70*		*18 - 120*	*07/12/25 07:49*	*07/18/25 16:16*	*10*
2,4,6-Tribromophenol (Surr)	*85*		*10 - 140*	*07/12/25 07:49*	*07/18/25 16:16*	*10*
2-Fluorobiphenyl (Surr)	*74*		*29 - 120*	*07/12/25 07:49*	*07/18/25 16:16*	*10*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		67	13	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20
4,4'-DDE	ND		67	14	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20
4,4'-DDT	**31**	**J**	67	16	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20
Aldrin	ND		67	17	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20
alpha-BHC	ND		67	12	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20
cis-Chlordane	ND		67	33	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20
beta-BHC	ND		67	12	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20
delta-BHC	ND		67	13	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20
Dieldrin	ND		67	16	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20
Endosulfan I	ND		67	13	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20
Endosulfan II	ND		67	12	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20
Endosulfan sulfate	ND		67	13	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20
Endrin	ND		67	13	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20
Endrin aldehyde	ND		67	17	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20
Endrin ketone	ND		67	17	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20
gamma-BHC (Lindane)	ND		67	12	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20
trans-Chlordane	ND		67	21	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20

Client Sample ID: SB1-5'-8'
Date Collected: 07/09/25 12:45
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-5
Matrix: Solid
Percent Solids: 96.0

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		67	15	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20
Heptachlor epoxide	ND		67	17	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20
Methoxychlor	ND		67	14	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20
Toxaphene	ND		670	390	ug/Kg	☼	07/15/25 06:52	07/18/25 13:14	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*153*	*S1+*	*45 - 120*	*07/15/25 06:52*	*07/18/25 13:14*	*20*
DCB Decachlorobiphenyl	*272*	*S1+*	*45 - 120*	*07/15/25 06:52*	*07/18/25 13:14*	*20*
Tetrachloro-m-xylene	*0*	*S1-*	*30 - 124*	*07/15/25 06:52*	*07/18/25 13:14*	*20*
Tetrachloro-m-xylene	*0*	*S1-*	*30 - 124*	*07/15/25 06:52*	*07/18/25 13:14*	*20*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0055	mg/Kg	☼	07/21/25 17:00	07/22/25 14:31	1
PCB-1221	ND		0.018	0.0055	mg/Kg	☼	07/21/25 17:00	07/22/25 14:31	1
PCB-1232	ND		0.018	0.0055	mg/Kg	☼	07/21/25 17:00	07/22/25 14:31	1
PCB-1242	ND		0.018	0.0055	mg/Kg	☼	07/21/25 17:00	07/22/25 14:31	1
PCB-1248	ND		0.018	0.0055	mg/Kg	☼	07/21/25 17:00	07/22/25 14:31	1
PCB-1254	ND		0.018	0.0066	mg/Kg	☼	07/21/25 17:00	07/22/25 14:31	1
PCB-1260	ND		0.018	0.0066	mg/Kg	☼	07/21/25 17:00	07/22/25 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*81*		*68 - 130*	*07/21/25 17:00*	*07/22/25 14:31*	*1*
Tetrachloro-m-xylene	*55*	*S1-*	*68 - 130*	*07/21/25 17:00*	*07/22/25 14:31*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*66 - 130*	*07/21/25 17:00*	*07/22/25 14:31*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*66 - 130*	*07/21/25 17:00*	*07/22/25 14:31*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		17	5.5	ug/Kg	☼	07/19/25 05:38	07/24/25 03:16	1
Silvex (2,4,5-TP)	ND		17	6.2	ug/Kg	☼	07/19/25 05:38	07/24/25 03:16	1
2,4-D	ND		17	11	ug/Kg	☼	07/19/25 05:38	07/24/25 03:16	1
Dichlorprop	ND		17	8.7	ug/Kg	☼	07/19/25 05:38	07/24/25 03:16	1
Pentachlorophenol	ND		17	5.6	ug/Kg	☼	07/19/25 05:38	07/24/25 03:16	1
Picloram	ND		17	7.5	ug/Kg	☼	07/19/25 05:38	07/24/25 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*94*		*28 - 129*	*07/19/25 05:38*	*07/24/25 03:16*	*1*
2,4-Dichlorophenylacetic acid	*87*		*28 - 129*	*07/19/25 05:38*	*07/24/25 03:16*	*1*

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.13	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.070	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.060	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.060	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1

Client Sample ID: SB1-5'-8'
Date Collected: 07/09/25 12:45
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-5
Matrix: Solid
Percent Solids: 96.0

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.070	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.070	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.070	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.070	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluorooctanesulfonic acid (PFOS)	**0.83**		0.20	0.11	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.070	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.090	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.090	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.080	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.30	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.30	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.070	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.070	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.090	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.080	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.40	ng/g	☼	07/18/25 14:16	07/19/25 09:55	1

Client Sample ID: SB1-5'-8'

Date Collected: 07/09/25 12:45
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-5

Matrix: Solid
Percent Solids: 96.0

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	110		8 - 130	07/18/25 14:16	07/19/25 09:55	1
13C5 PFPeA	119		35 - 130	07/18/25 14:16	07/19/25 09:55	1
13C5 PFHxA	112		40 - 130	07/18/25 14:16	07/19/25 09:55	1
13C4 PFHpA	106		40 - 130	07/18/25 14:16	07/19/25 09:55	1
13C8 PFOA	112		40 - 130	07/18/25 14:16	07/19/25 09:55	1
13C9 PFNA	100		40 - 130	07/18/25 14:16	07/19/25 09:55	1
13C6 PFDA	106		40 - 130	07/18/25 14:16	07/19/25 09:55	1
13C7 PFUnA	111		40 - 130	07/18/25 14:16	07/19/25 09:55	1
13C2 PFTeDA	90.5		20 - 130	07/18/25 14:16	07/19/25 09:55	1
13C3 PFBS	104		40 - 135	07/18/25 14:16	07/19/25 09:55	1
13C3 PFHxS	101		40 - 130	07/18/25 14:16	07/19/25 09:55	1
13C8 PFOS	100		40 - 130	07/18/25 14:16	07/19/25 09:55	1
13C8 FOSA	95.5		40 - 130	07/18/25 14:16	07/19/25 09:55	1
d3-NMeFOSAA	97.6		40 - 135	07/18/25 14:16	07/19/25 09:55	1
d5-NEtFOSAA	97.3		40 - 150	07/18/25 14:16	07/19/25 09:55	1
13C2 4:2 FTS	106		40 - 165	07/18/25 14:16	07/19/25 09:55	1
13C2 6:2 FTS	107		40 - 215	07/18/25 14:16	07/19/25 09:55	1
13C2 8:2 FTS	97.8		40 - 275	07/18/25 14:16	07/19/25 09:55	1
13C3 HFPO-DA	107		40 - 130	07/18/25 14:16	07/19/25 09:55	1
d7-N-MeFOSE-M	54.3		20 - 130	07/18/25 14:16	07/19/25 09:55	1
d9-N-EtFOSE-M	48.7		15 - 130	07/18/25 14:16	07/19/25 09:55	1
d5-NEtPFOSA	81.8		10 - 130	07/18/25 14:16	07/19/25 09:55	1
d3-NMePFOSA	84.0		10 - 130	07/18/25 14:16	07/19/25 09:55	1
13C2 PFDoA	102		40 - 130	07/18/25 14:16	07/19/25 09:55	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**15800**		10.9	9.4	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Antimony	ND	F1	16.3	0.58	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Arsenic	ND		2.2	0.96	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Barium	**149**		0.54	0.15	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Beryllium	**0.40**		0.22	0.043	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Cadmium	ND		0.22	0.076	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Calcium	**6400**	**F1**	54.3	29.3	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Chromium	**26.6**		0.54	0.39	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Cobalt	**12.1**		0.54	0.11	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Copper	**31.3**		1.1	0.62	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Iron	**25300**		10.9	9.2	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Lead	**9.3**		1.1	0.50	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Magnesium	**7480**	**F1**	21.7	9.2	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Manganese	**297**	**F1**	1.1	0.30	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Nickel	**21.4**		5.4	0.27	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Potassium	**6570**		32.6	26.3	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Selenium	ND		4.3	0.87	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Silver	ND	^5-	0.65	0.22	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Sodium	**344**		152	66.6	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Thallium	ND		6.5	0.82	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Vanadium	**45.6**		0.54	0.14	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1
Zinc	**59.4**	**^5-**	2.2	1.1	mg/Kg	☼	07/17/25 08:43	07/18/25 12:22	1

Client Sample Results

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Client Sample ID: SB1-5'-8'
Lab Sample ID: 480-231006-5
Date Collected: 07/09/25 12:45
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 96.0

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0060	J	0.022	0.0050	mg/Kg	☼	07/14/25 10:43	07/14/25 13:40	1

Client: Terracon Consultants Inc
Project/Site: HPN HVAC Upgrades - JA257025

Job ID: 480-231006-1

Client Sample ID: RINSATE
Date Collected: 07/09/25 13:00
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-6
Matrix: Water

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluorotridecanoic acid (PFTrDA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		07/14/25 15:43	07/15/25 18:11	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		07/14/25 15:43	07/15/25 18:11	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		07/14/25 15:43	07/15/25 18:11	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	2.5	ng/L		07/14/25 15:43	07/15/25 18:11	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		07/14/25 15:43	07/15/25 18:11	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		07/14/25 15:43	07/15/25 18:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Client Sample ID: RINSATE
Lab Sample ID: 480-231006-6
Date Collected: 07/09/25 13:00
Matrix: Water
Date Received: 07/10/25 14:30

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 18:11	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		07/14/25 15:43	07/15/25 18:11	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		07/14/25 15:43	07/15/25 18:11	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		07/14/25 15:43	07/15/25 18:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*104*		*5 - 130*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
13C5 PFPeA	*103*		*40 - 130*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
13C5 PFHxA	*98.4*		*40 - 130*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
13C4 PFHpA	*96.0*		*40 - 130*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
13C8 PFOA	*104*		*40 - 130*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
13C9 PFNA	*105*		*40 - 130*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
13C6 PFDA	*94.7*		*40 - 130*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
13C7 PFUnA	*91.4*		*30 - 130*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
13C2 PFTeDA	*82.7*		*10 - 130*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
13C3 PFBS	*116*		*40 - 135*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
13C3 PFHxS	*111*		*40 - 130*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
13C8 PFOS	*108*		*40 - 130*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
13C8 FOSA	*95.9*		*40 - 130*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
d3-NMeFOSAA	*85.0*		*40 - 170*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
d5-NEtFOSAA	*85.9*		*25 - 135*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
13C2 4:2 FTS	*108*		*40 - 200*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
13C2 6:2 FTS	*105*		*40 - 200*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
13C2 8:2 FTS	*106*		*40 - 300*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
13C3 HFPO-DA	*100*		*40 - 130*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
d7-N-MeFOSE-M	*72.9*		*10 - 130*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
d9-N-EtFOSE-M	*67.9*		*10 - 130*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
d5-NEtPFOSA	*82.8*		*10 - 130*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
d3-NMePFOSA	*71.2*		*10 - 130*	*07/14/25 15:43*	*07/15/25 18:11*	*1*
13C2 PFDoA	*78.6*		*10 - 130*	*07/14/25 15:43*	*07/15/25 18:11*	*1*

Client: Terracon Consultants Inc
Project/Site: HPN HVAC Upgrades - JA257025

Job ID: 480-231006-1

Client Sample ID: SB2-12"-18"
Date Collected: 07/09/25 13:30
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-7
Matrix: Solid
Percent Solids: 88.8

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.38	0.12	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.058	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.058	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.058	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.058	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluorohexanesulfonic acid (PFHxS)	**0.072**	**J**	0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluorooctanesulfonic acid (PFOS)	**0.28**		0.19	0.11	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.058	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.38	0.096	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.38	0.12	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.38	0.12	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.086	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.086	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.096	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.077	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.11	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.96	0.29	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.96	0.29	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.11	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.058	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1

Client Sample ID: SB2-12"-18"
Date Collected: 07/09/25 13:30
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-7
Matrix: Solid
Percent Solids: 88.8

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.19	0.086	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.19	0.077	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.38	0.19	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.96	0.48	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.96	0.38	ng/g	☼	07/21/25 14:12	07/25/25 04:57	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79.4*		*8 - 130*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
13C5 PFPeA	*82.5*		*35 - 130*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
13C5 PFHxA	*82.7*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
13C4 PFHpA	*75.5*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
13C8 PFOA	*86.0*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
13C9 PFNA	*76.0*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
13C6 PFDA	*67.9*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
13C7 PFUnA	*84.3*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
13C2 PFTeDA	*55.0*		*20 - 130*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
13C3 PFBS	*74.9*		*40 - 135*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
13C3 PFHxS	*73.3*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
13C8 PFOS	*71.9*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
13C8 FOSA	*65.6*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
d3-NMeFOSAA	*72.9*		*40 - 135*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
d5-NEtFOSAA	*70.9*		*40 - 150*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
13C2 4:2 FTS	*71.9*		*40 - 165*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
13C2 6:2 FTS	*70.4*		*40 - 215*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
13C2 8:2 FTS	*65.2*		*40 - 275*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
13C3 HFPO-DA	*82.0*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
d7-N-MeFOSE-M	*42.3*		*20 - 130*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
d9-N-EtFOSE-M	*40.8*		*15 - 130*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
d5-NEtPFOSA	*53.0*		*10 - 130*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
d3-NMePFOSA	*60.1*		*10 - 130*	*07/21/25 14:12*	*07/25/25 04:57*	*1*
13C2 PFDoA	*72.5*		*40 - 130*	*07/21/25 14:12*	*07/25/25 04:57*	*1*

Client: Terracon Consultants Inc
Project/Site: HPN HVAC Upgrades - JA257025

Job ID: 480-231006-1

Client Sample ID: SB2-12"-18" DUP
Date Collected: 07/09/25 13:30
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-8
Matrix: Solid
Percent Solids: 92.8

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.38	0.12	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.057	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.057	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.057	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.057	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluorohexanesulfonic acid (PFHxS)	**0.060**	**J**	0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluorooctanesulfonic acid (PFOS)	**0.28**		0.19	0.10	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.057	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.38	0.095	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.38	0.12	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.38	0.12	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.086	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.086	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.095	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.076	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.10	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.95	0.29	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.95	0.29	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.10	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.057	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.067	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1

Client: Terracon Consultants Inc
Project/Site: HPN HVAC Upgrades - JA257025

Job ID: 480-231006-1

Client Sample ID: SB2-12"-18" DUP
Date Collected: 07/09/25 13:30
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-8
Matrix: Solid
Percent Solids: 92.8

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.19	0.086	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.19	0.076	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.19	0.048	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.38	0.19	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.95	0.48	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.95	0.38	ng/g	☼	07/21/25 14:12	07/25/25 05:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83.3*		*8 - 130*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
13C5 PFPeA	*94.4*		*35 - 130*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
13C5 PFHxA	*90.6*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
13C4 PFHpA	*88.0*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
13C8 PFOA	*88.2*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
13C9 PFNA	*99.5*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
13C6 PFDA	*90.2*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
13C7 PFUnA	*94.5*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
13C2 PFTeDA	*76.5*		*20 - 130*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
13C3 PFBS	*78.2*		*40 - 135*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
13C3 PFHxS	*81.9*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
13C8 PFOS	*79.8*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
13C8 FOSA	*78.2*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
d3-NMeFOSAA	*92.2*		*40 - 135*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
d5-NEtFOSAA	*88.3*		*40 - 150*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
13C2 4:2 FTS	*74.6*		*40 - 165*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
13C2 6:2 FTS	*76.7*		*40 - 215*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
13C2 8:2 FTS	*76.0*		*40 - 275*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
13C3 HFPO-DA	*88.6*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
d7-N-MeFOSE-M	*47.4*		*20 - 130*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
d9-N-EtFOSE-M	*45.4*		*15 - 130*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
d5-NEtPFOSA	*68.4*		*10 - 130*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
d3-NMePFOSA	*70.0*		*10 - 130*	*07/21/25 14:12*	*07/25/25 05:11*	*1*
13C2 PFDoA	*79.2*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:11*	*1*

Client: Terracon Consultants Inc
Project/Site: HPN HVAC Upgrades - JA257025

Job ID: 480-231006-1

Client Sample ID: SB2-4'
Date Collected: 07/09/25 13:30
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-9
Matrix: Solid
Percent Solids: 91.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		48	13	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
1,1,2,2-Tetrachloroethane	ND		48	7.9	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		48	24	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
1,1,2-Trichloroethane	ND		48	10	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
1,1-Dichloroethane	ND		48	15	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
1,1-Dichloroethene	ND		48	17	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
1,2,4-Trichlorobenzene	ND		48	18	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
1,2-Dibromo-3-Chloropropane	ND		48	24	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
1,2-Dichlorobenzene	ND		48	12	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
1,2-Dichloroethane	ND		48	20	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
1,2-Dichloropropane	ND		48	7.8	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
1,3-Dichlorobenzene	ND		48	13	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
1,4-Dichlorobenzene	ND		48	6.8	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
2-Butanone (MEK)	ND		240	140	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
2-Hexanone	ND		240	99	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
4-Methyl-2-pentanone (MIBK)	ND		240	15	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Acetone	ND		240	200	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Benzene	ND		48	9.2	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Bromoform	ND		48	24	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Bromomethane	ND		48	11	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Carbon disulfide	ND		48	22	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Carbon tetrachloride	ND		48	12	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Chlorobenzene	ND		48	6.4	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Dibromochloromethane	ND		48	23	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Chloroethane	ND		48	10	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Chloroform	ND		48	33	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Chloromethane	ND		48	12	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
cis-1,2-Dichloroethene	ND		48	13	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Cyclohexane	ND		48	11	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Bromodichloromethane	ND		48	9.7	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Dichlorodifluoromethane	ND		48	21	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Ethylbenzene	ND		48	14	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
1,2-Dibromoethane	ND		48	8.5	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Isopropylbenzene	ND		48	7.3	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Methyl acetate	**440**		240	23	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Methyl tert-butyl ether	ND		48	18	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Methylcyclohexane	ND		48	23	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Methylene Chloride	ND		48	9.6	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Tetrachloroethene	ND		48	6.5	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Toluene	**40**	**J**	48	13	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
trans-1,2-Dichloroethene	ND		48	11	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
trans-1,3-Dichloropropene	ND		48	4.8	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Trichloroethene	ND		48	13	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Trichlorofluoromethane	ND		48	23	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Vinyl chloride	ND		48	16	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Xylenes, Total	**46**	**J**	97	27	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
cis-1,3-Dichloropropene	ND		48	12	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1
Styrene	**13**	**J**	48	12	ug/Kg	☼	07/16/25 10:48	07/17/25 06:59	1

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Client Sample ID: SB2-4'
Lab Sample ID: 480-231006-9
Date Collected: 07/09/25 13:30
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 91.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		53 - 146	07/16/25 10:48	07/17/25 06:59	1
4-Bromofluorobenzene (Surr)	85		49 - 148	07/16/25 10:48	07/17/25 06:59	1
Toluene-d8 (Surr)	98		50 - 149	07/16/25 10:48	07/17/25 06:59	1
Dibromofluoromethane (Surr)	83		60 - 140	07/16/25 10:48	07/17/25 06:59	1

Client: Terracon Consultants Inc
Project/Site: HPN HVAC Upgrades - JA257025

Job ID: 480-231006-1

Client Sample ID: SB2-4' DUP
Date Collected: 07/09/25 13:30
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-10
Matrix: Solid
Percent Solids: 90.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		61	17	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
1,1,2,2-Tetrachloroethane	ND		61	9.9	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		61	30	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
1,1,2-Trichloroethane	ND		61	13	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
1,1-Dichloroethane	ND		61	19	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
1,1-Dichloroethene	ND		61	21	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
1,2,4-Trichlorobenzene	ND		61	23	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
1,2-Dibromo-3-Chloropropane	ND		61	30	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
1,2-Dichlorobenzene	ND		61	16	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
1,2-Dichloroethane	ND		61	25	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
1,2-Dichloropropane	ND		61	9.9	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
1,3-Dichlorobenzene	ND		61	16	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
1,4-Dichlorobenzene	ND		61	8.5	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
2-Butanone (MEK)	ND		300	180	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
2-Hexanone	ND		300	120	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
4-Methyl-2-pentanone (MIBK)	ND		300	19	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Acetone	ND		300	250	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Benzene	ND		61	12	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Bromoform	ND		61	30	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Bromomethane	ND		61	13	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Carbon disulfide	ND		61	28	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Carbon tetrachloride	ND		61	16	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Chlorobenzene	ND		61	8.0	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Dibromochloromethane	ND		61	29	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Chloroethane	ND		61	13	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Chloroform	ND		61	42	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Chloromethane	ND		61	14	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
cis-1,2-Dichloroethene	ND		61	17	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Cyclohexane	ND		61	14	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Bromodichloromethane	ND		61	12	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Dichlorodifluoromethane	ND		61	27	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Ethylbenzene	ND		61	18	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
1,2-Dibromoethane	ND		61	11	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Isopropylbenzene	ND		61	9.1	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Methyl acetate	**420**		300	29	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Methyl tert-butyl ether	ND		61	23	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Methylcyclohexane	ND		61	28	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Methylene Chloride	ND		61	12	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Tetrachloroethene	ND		61	8.2	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Toluene	**55**	**J**	61	16	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
trans-1,2-Dichloroethene	ND		61	14	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
trans-1,3-Dichloropropene	ND		61	6.0	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Trichloroethene	ND		61	17	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Trichlorofluoromethane	ND		61	29	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Vinyl chloride	ND		61	20	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Xylenes, Total	**57**	**J**	120	34	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
cis-1,3-Dichloropropene	ND		61	15	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1
Styrene	ND		61	15	ug/Kg	☼	07/16/25 10:48	07/17/25 07:22	1

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Client Sample ID: SB2-4' DUP
Lab Sample ID: 480-231006-10
Date Collected: 07/09/25 13:30
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 90.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		53 - 146	07/16/25 10:48	07/17/25 07:22	1
4-Bromofluorobenzene (Surr)	90		49 - 148	07/16/25 10:48	07/17/25 07:22	1
Toluene-d8 (Surr)	102		50 - 149	07/16/25 10:48	07/17/25 07:22	1
Dibromofluoromethane (Surr)	85		60 - 140	07/16/25 10:48	07/17/25 07:22	1

Client: Terracon Consultants Inc
Project/Site: HPN HVAC Upgrades - JA257025

Job ID: 480-231006-1

Client Sample ID: SB2-24"-36"
Date Collected: 07/09/25 13:30
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-11
Matrix: Solid
Percent Solids: 91.2

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.13	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.060	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.060	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluorohexanesulfonic acid (PFHxS)	**0.074**	**J**	0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluorooctanesulfonic acid (PFOS)	**0.40**		0.20	0.11	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.090	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.090	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.080	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.30	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.30	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Client Sample ID: SB2-24"-36"
Lab Sample ID: 480-231006-11
Date Collected: 07/09/25 13:30
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 91.2

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.090	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.080	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.40	ng/g	☼	07/21/25 14:12	07/25/25 05:24	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84.2*		*8 - 130*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
13C5 PFPeA	*95.5*		*35 - 130*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
13C5 PFHxA	*91.5*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
13C4 PFHpA	*91.0*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
13C8 PFOA	*85.8*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
13C9 PFNA	*86.3*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
13C6 PFDA	*87.0*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
13C7 PFUnA	*90.5*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
13C2 PFTeDA	*70.4*		*20 - 130*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
13C3 PFBS	*79.8*		*40 - 135*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
13C3 PFHxS	*81.0*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
13C8 PFOS	*80.6*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
13C8 FOSA	*76.4*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
d3-NMeFOSAA	*93.4*		*40 - 135*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
d5-NEtFOSAA	*91.5*		*40 - 150*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
13C2 4:2 FTS	*79.8*		*40 - 165*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
13C2 6:2 FTS	*79.1*		*40 - 215*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
13C2 8:2 FTS	*75.3*		*40 - 275*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
13C3 HFPO-DA	*89.9*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
d7-N-MeFOSE-M	*50.4*		*20 - 130*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
d9-N-EtFOSE-M	*43.7*		*15 - 130*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
d5-NEtPFOSA	*64.0*		*10 - 130*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
d3-NMePFOSA	*70.0*		*10 - 130*	*07/21/25 14:12*	*07/25/25 05:24*	*1*
13C2 PFDoA	*79.2*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:24*	*1*

Client Sample ID: SB2-12"-5'
Lab Sample ID: 480-231006-12
Date Collected: 07/09/25 13:30
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 89.7

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1900	350	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
bis (2-chloroisopropyl) ether	ND		1900	380	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
2,4,5-Trichlorophenol	ND		1900	380	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
2,4,6-Trichlorophenol	ND		1900	280	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
2,4-Dichlorophenol	ND		1900	370	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
2,4-Dimethylphenol	ND		1900	390	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
2,4-Dinitrophenol	ND		18000	360	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
2,4-Dinitrotoluene	ND		1900	260	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
2,6-Dinitrotoluene	ND		1900	270	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
2-Chloronaphthalene	ND		1900	350	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
2-Chlorophenol	ND		1900	290	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
2-Methylnaphthalene	**2300**		1900	290	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
2-Methylphenol	ND		1900	300	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
2-Nitroaniline	ND		3700	320	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
2-Nitrophenol	ND		1900	210	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
3,3'-Dichlorobenzidine	ND		3700	550	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
3-Nitroaniline	ND		3700	260	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
4,6-Dinitro-2-methylphenol	ND		3700	410	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
4-Bromophenyl phenyl ether	ND		1900	320	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
4-Chloro-3-methylphenol	ND		1900	380	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
4-Chloroaniline	ND		1900	270	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
4-Chlorophenyl phenyl ether	ND		1900	390	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
4-Methylphenol	ND		3700	340	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
4-Nitroaniline	ND		3700	270	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
4-Nitrophenol	ND		3700	510	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Acenaphthene	**650**	**J**	1900	350	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Acenaphthylene	**1300**	**J**	1900	360	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Acetophenone	ND		1900	330	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Anthracene	**3500**		1900	350	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Atrazine	ND		1900	630	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Benzaldehyde	ND		1900	1400	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Benzo[a]anthracene	**8900**		1900	260	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Benzo[a]pyrene	**6000**		1900	320	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Benzo[b]fluoranthene	**5800**		1900	250	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Benzo[g,h,i]perylene	**4200**		1900	330	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Benzo[k]fluoranthene	**2100**		1900	420	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Bis(2-chloroethoxy)methane	ND		1900	360	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Bis(2-chloroethyl)ether	ND		1900	350	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Bis(2-ethylhexyl) phthalate	ND		1900	410	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Butyl benzyl phthalate	ND		1900	350	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Caprolactam	ND		1900	430	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Carbazole	ND		1900	370	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Chrysene	**9100**		1900	450	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Dibenz(a,h)anthracene	**1200**	**J**	1900	380	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Dibenzofuran	**520**	**J**	1900	330	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Diethyl phthalate	ND		1900	340	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Dimethyl phthalate	ND		1900	360	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Di-n-butyl phthalate	ND		1900	420	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Di-n-octyl phthalate	ND		1900	360	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10

Client Sample ID: SB2-12"-5'
Lab Sample ID: 480-231006-12
Date Collected: 07/09/25 13:30
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 89.7

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**14000**		1900	340	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Fluorene	**2600**		1900	340	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Hexachlorobenzene	ND		1900	360	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Hexachlorobutadiene	ND		1900	280	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Hexachlorocyclopentadiene	ND		3700	820	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Hexachloroethane	ND		1900	340	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Indeno[1,2,3-cd]pyrene	**2400**		1900	280	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Isophorone	ND		1900	380	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Naphthalene	ND		1900	310	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Nitrobenzene	ND		1900	310	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
N-Nitrosodi-n-propylamine	ND		1900	420	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
N-Nitrosodiphenylamine	ND		1900	310	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Pentachlorophenol	ND		3700	600	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Phenanthrene	**24000**		1900	350	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Phenol	ND		1900	340	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10
Pyrene	**22000**		1900	360	ug/Kg	☼	07/12/25 07:49	07/18/25 16:40	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*70*		*22 - 120*	*07/12/25 07:49*	*07/18/25 16:40*	*10*
p-Terphenyl-d14 (Surr)	*80*		*28 - 124*	*07/12/25 07:49*	*07/18/25 16:40*	*10*
Phenol-d5 (Surr)	*67*		*23 - 120*	*07/12/25 07:49*	*07/18/25 16:40*	*10*
2-Fluorophenol (Surr)	*66*		*18 - 120*	*07/12/25 07:49*	*07/18/25 16:40*	*10*
2,4,6-Tribromophenol (Surr)	*34*		*10 - 140*	*07/12/25 07:49*	*07/18/25 16:40*	*10*
2-Fluorobiphenyl (Surr)	*74*		*29 - 120*	*07/12/25 07:49*	*07/18/25 16:40*	*10*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		73	14	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20
4,4'-DDE	ND		73	15	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20
4,4'-DDT	**40**	**J**	73	17	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20
Aldrin	ND		73	18	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20
alpha-BHC	ND		73	13	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20
cis-Chlordane	ND		73	36	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20
beta-BHC	ND		73	13	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20
delta-BHC	ND		73	14	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20
Dieldrin	ND		73	18	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20
Endosulfan I	ND		73	14	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20
Endosulfan II	ND		73	13	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20
Endosulfan sulfate	ND		73	14	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20
Endrin	ND		73	14	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20
Endrin aldehyde	ND		73	19	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20
Endrin ketone	ND		73	18	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20
gamma-BHC (Lindane)	ND		73	13	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20
trans-Chlordane	ND		73	23	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20
Heptachlor	ND		73	16	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20
Heptachlor epoxide	ND		73	19	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20
Methoxychlor	**26**	**J**	73	15	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20
Toxaphene	ND		730	420	ug/Kg	☼	07/15/25 06:52	07/18/25 13:33	20

Client Sample ID: SB2-12"-5'
Date Collected: 07/09/25 13:30
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-12
Matrix: Solid
Percent Solids: 89.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*107*		*45 - 120*	*07/15/25 06:52*	*07/18/25 13:33*	*20*
DCB Decachlorobiphenyl	*347*	*S1+*	*45 - 120*	*07/15/25 06:52*	*07/18/25 13:33*	*20*
Tetrachloro-m-xylene	*0*	*S1-*	*30 - 124*	*07/15/25 06:52*	*07/18/25 13:33*	*20*
Tetrachloro-m-xylene	*0*	*S1-*	*30 - 124*	*07/15/25 06:52*	*07/18/25 13:33*	*20*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0059	mg/Kg	☼	07/21/25 17:00	07/22/25 14:42	1
PCB-1221	ND		0.019	0.0059	mg/Kg	☼	07/21/25 17:00	07/22/25 14:42	1
PCB-1232	ND		0.019	0.0059	mg/Kg	☼	07/21/25 17:00	07/22/25 14:42	1
PCB-1242	ND		0.019	0.0059	mg/Kg	☼	07/21/25 17:00	07/22/25 14:42	1
PCB-1248	ND		0.019	0.0059	mg/Kg	☼	07/21/25 17:00	07/22/25 14:42	1
PCB-1254	ND		0.019	0.0071	mg/Kg	☼	07/21/25 17:00	07/22/25 14:42	1
PCB-1260	ND		0.019	0.0071	mg/Kg	☼	07/21/25 17:00	07/22/25 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*68 - 130*	*07/21/25 17:00*	*07/22/25 14:42*	*1*
Tetrachloro-m-xylene	*44*	*S1- p*	*68 - 130*	*07/21/25 17:00*	*07/22/25 14:42*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*66 - 130*	*07/21/25 17:00*	*07/22/25 14:42*	*1*
DCB Decachlorobiphenyl (Surr)	*61*	*S1-*	*66 - 130*	*07/21/25 17:00*	*07/22/25 14:42*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		19	5.9	ug/Kg	☼	07/19/25 05:38	07/24/25 03:35	1
Silvex (2,4,5-TP)	ND		19	6.7	ug/Kg	☼	07/19/25 05:38	07/24/25 03:35	1
2,4-D	ND		19	12	ug/Kg	☼	07/19/25 05:38	07/24/25 03:35	1
Dichlorprop	ND		19	9.2	ug/Kg	☼	07/19/25 05:38	07/24/25 03:35	1
Pentachlorophenol	ND		19	6.0	ug/Kg	☼	07/19/25 05:38	07/24/25 03:35	1
Picloram	ND		19	8.0	ug/Kg	☼	07/19/25 05:38	07/24/25 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*69*		*28 - 129*	*07/19/25 05:38*	*07/24/25 03:35*	*1*
2,4-Dichlorophenylacetic acid	*52*		*28 - 129*	*07/19/25 05:38*	*07/24/25 03:35*	*1*

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.13	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.049	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.059	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.069	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.059	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.059	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluoroundecanoic acid (PFUnA)	**0.054**	**J**	0.20	0.049	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.049	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.069	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1

Client Sample ID: SB2-12"-5'
Date Collected: 07/09/25 13:30
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-12
Matrix: Solid
Percent Solids: 89.7

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid (PFHxS)	**0.087**	**J**	0.20	0.049	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluorooctanesulfonic acid (PFOS)	**1.4**		0.20	0.11	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.049	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.098	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.088	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.088	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.098	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.079	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	**0.35**	**J**	0.98	0.29	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	**0.33**	**J**	0.98	0.29	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.049	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.069	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.088	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.079	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.049	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.20	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.98	0.49	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.98	0.39	ng/g	☼	07/18/25 14:16	07/19/25 10:09	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*127*		*8 - 130*	*07/18/25 14:16*	*07/19/25 10:09*	*1*
13C5 PFPeA	*124*		*35 - 130*	*07/18/25 14:16*	*07/19/25 10:09*	*1*
13C5 PFHxA	*122*		*40 - 130*	*07/18/25 14:16*	*07/19/25 10:09*	*1*

Client: Terracon Consultants Inc
Project/Site: HPN HVAC Upgrades - JA257025

Job ID: 480-231006-1

Client Sample ID: SB2-12"-5'
Date Collected: 07/09/25 13:30
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-12
Matrix: Solid
Percent Solids: 89.7

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	116		40 - 130	07/18/25 14:16	07/19/25 10:09	1
13C8 PFOA	112		40 - 130	07/18/25 14:16	07/19/25 10:09	1
13C9 PFNA	101		40 - 130	07/18/25 14:16	07/19/25 10:09	1
13C6 PFDA	78.0		40 - 130	07/18/25 14:16	07/19/25 10:09	1
13C7 PFUnA	59.7		40 - 130	07/18/25 14:16	07/19/25 10:09	1
13C2 PFTeDA	71.3		20 - 130	07/18/25 14:16	07/19/25 10:09	1
13C3 PFBS	107		40 - 135	07/18/25 14:16	07/19/25 10:09	1
13C3 PFHxS	80.8		40 - 130	07/18/25 14:16	07/19/25 10:09	1
13C8 PFOS	40.9		40 - 130	07/18/25 14:16	07/19/25 10:09	1
13C8 FOSA	88.2		40 - 130	07/18/25 14:16	07/19/25 10:09	1
d3-NMeFOSAA	80.1		40 - 135	07/18/25 14:16	07/19/25 10:09	1
d5-NEtFOSAA	68.5		40 - 150	07/18/25 14:16	07/19/25 10:09	1
13C2 4:2 FTS	123		40 - 165	07/18/25 14:16	07/19/25 10:09	1
13C2 6:2 FTS	108		40 - 215	07/18/25 14:16	07/19/25 10:09	1
13C2 8:2 FTS	83.2		40 - 275	07/18/25 14:16	07/19/25 10:09	1
13C3 HFPO-DA	113		40 - 130	07/18/25 14:16	07/19/25 10:09	1
d7-N-MeFOSE-M	66.8		20 - 130	07/18/25 14:16	07/19/25 10:09	1
d9-N-EtFOSE-M	62.4		15 - 130	07/18/25 14:16	07/19/25 10:09	1
d5-NEtPFOSA	64.2		10 - 130	07/18/25 14:16	07/19/25 10:09	1
d3-NMePFOSA	65.9		10 - 130	07/18/25 14:16	07/19/25 10:09	1
13C2 PFDoA	56.4		40 - 130	07/18/25 14:16	07/19/25 10:09	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**16500**		11.2	9.7	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Antimony	ND		16.9	0.60	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Arsenic	**2.3**		2.2	0.99	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Barium	**121**		0.56	0.16	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Beryllium	**0.56**		0.22	0.045	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Cadmium	**0.10**	**J**	0.22	0.079	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Calcium	**19800**		56.2	30.4	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Chromium	**26.3**		0.56	0.40	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Cobalt	**13.5**		0.56	0.11	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Copper	**49.2**		1.1	0.64	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Iron	**25600**		11.2	9.5	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Lead	**41.4**		1.1	0.52	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Magnesium	**9580**		22.5	9.5	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Manganese	**406**		1.1	0.31	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Nickel	**22.0**		5.6	0.28	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Potassium	**4850**		33.7	27.3	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Selenium	ND		4.5	0.90	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Silver	ND	^5-	0.67	0.22	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Sodium	**738**		157	68.9	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Thallium	ND		6.7	0.85	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Vanadium	**60.4**		0.56	0.15	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1
Zinc	**74.3**	**^5-**	2.2	1.1	mg/Kg	☼	07/17/25 08:43	07/18/25 12:40	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0081**	**J**	0.021	0.0049	mg/Kg	☼	07/14/25 10:43	07/14/25 13:41	1

Client: Terracon Consultants Inc
Project/Site: HPN HVAC Upgrades - JA257025

Job ID: 480-231006-1

Client Sample ID: SB2-9'-10'
Date Collected: 07/09/25 14:00
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-13
Matrix: Solid
Percent Solids: 87.8

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.13	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluorooctanoic acid (PFOA)	**0.061**	**J**	0.20	0.060	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluorononanoic acid (PFNA)	ND		0.15	0.15	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluorohexanesulfonic acid (PFHxS)	**0.28**		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluoroheptanesulfonic acid (PFHpS)	**0.22**		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluorooctanesulfonic acid (PFOS)	**5.4**		0.20	0.11	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.090	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.090	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.080	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.30	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.30	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.070	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1

Client Sample ID: SB2-9'-10'
Date Collected: 07/09/25 14:00
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-13
Matrix: Solid
Percent Solids: 87.8

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.090	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.080	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.40	ng/g	☼	07/21/25 14:12	07/25/25 05:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85.7*		*8 - 130*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
13C5 PFPeA	*93.7*		*35 - 130*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
13C5 PFHxA	*91.4*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
13C4 PFHpA	*87.7*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
13C8 PFOA	*93.1*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
13C9 PFNA	*91.3*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
13C6 PFDA	*86.2*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
13C7 PFUnA	*88.0*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
13C2 PFTeDA	*66.2*		*20 - 130*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
13C3 PFBS	*81.5*		*40 - 135*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
13C3 PFHxS	*83.7*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
13C8 PFOS	*83.4*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
13C8 FOSA	*82.9*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
d3-NMeFOSAA	*94.9*		*40 - 135*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
d5-NEtFOSAA	*90.1*		*40 - 150*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
13C2 4:2 FTS	*80.2*		*40 - 165*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
13C2 6:2 FTS	*80.6*		*40 - 215*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
13C2 8:2 FTS	*77.4*		*40 - 275*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
13C3 HFPO-DA	*87.0*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
d7-N-MeFOSE-M	*37.1*		*20 - 130*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
d9-N-EtFOSE-M	*32.8*		*15 - 130*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
d5-NEtPFOSA	*76.1*		*10 - 130*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
d3-NMePFOSA	*78.3*		*10 - 130*	*07/21/25 14:12*	*07/25/25 05:38*	*1*
13C2 PFDoA	*79.3*		*40 - 130*	*07/21/25 14:12*	*07/25/25 05:38*	*1*

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Client Sample ID: SB2-9'-10'
Lab Sample ID: 480-231006-14
Date Collected: 07/09/25 14:00
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 90.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		46	13	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
1,1,2,2-Tetrachloroethane	ND		46	7.5	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		46	23	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
1,1,2-Trichloroethane	ND		46	9.8	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
1,1-Dichloroethane	ND		46	14	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
1,1-Dichloroethene	ND		46	16	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
1,2,4-Trichlorobenzene	ND		46	18	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
1,2-Dibromo-3-Chloropropane	ND		46	23	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
1,2-Dichlorobenzene	ND		46	12	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
1,2-Dichloroethane	ND		46	19	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
1,2-Dichloropropane	ND		46	7.5	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
1,3-Dichlorobenzene	ND		46	12	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
1,4-Dichlorobenzene	ND		46	6.5	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
2-Butanone (MEK)	ND		230	140	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
2-Hexanone	ND		230	95	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
4-Methyl-2-pentanone (MIBK)	ND		230	15	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Acetone	ND		230	190	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Benzene	ND		46	8.8	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Bromoform	ND		46	23	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Bromomethane	ND		46	10	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Carbon disulfide	ND		46	21	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Carbon tetrachloride	ND		46	12	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Chlorobenzene	ND		46	6.1	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Dibromochloromethane	ND		46	22	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Chloroethane	ND		46	9.7	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Chloroform	ND		46	32	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Chloromethane	ND		46	11	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
cis-1,2-Dichloroethene	ND		46	13	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Cyclohexane	ND		46	10	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Bromodichloromethane	ND		46	9.3	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Dichlorodifluoromethane	ND		46	20	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Ethylbenzene	ND		46	14	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
1,2-Dibromoethane	ND		46	8.1	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Isopropylbenzene	ND		46	7.0	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Methyl acetate	ND		230	22	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Methyl tert-butyl ether	ND		46	18	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Methylcyclohexane	ND		46	22	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Methylene Chloride	ND		46	9.2	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Tetrachloroethene	ND		46	6.2	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Toluene	ND		46	12	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
trans-1,2-Dichloroethene	ND		46	11	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
trans-1,3-Dichloropropene	ND		46	4.6	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Trichloroethene	ND		46	13	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Trichlorofluoromethane	ND		46	22	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Vinyl chloride	ND		46	16	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Xylenes, Total	ND		93	26	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
cis-1,3-Dichloropropene	ND		46	11	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1
Styrene	ND		46	11	ug/Kg	☼	07/16/25 10:48	07/17/25 07:45	1

Client Sample ID: SB2-9'-10'
Date Collected: 07/09/25 14:00
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-14
Matrix: Solid
Percent Solids: 90.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*07/16/25 10:48*	*07/17/25 07:45*	*1*
4-Bromofluorobenzene (Surr)	*88*		*49 - 148*	*07/16/25 10:48*	*07/17/25 07:45*	*1*
Toluene-d8 (Surr)	*102*		*50 - 149*	*07/16/25 10:48*	*07/17/25 07:45*	*1*
Dibromofluoromethane (Surr)	*82*		*60 - 140*	*07/16/25 10:48*	*07/17/25 07:45*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		180	34	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
bis (2-chloroisopropyl) ether	ND		180	37	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
2,4,5-Trichlorophenol	ND		180	36	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
2,4,6-Trichlorophenol	ND		180	27	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
2,4-Dichlorophenol	ND		180	35	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
2,4-Dimethylphenol	ND		180	38	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
2,4-Dinitrophenol	ND		1800	34	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
2,4-Dinitrotoluene	ND		180	24	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
2,6-Dinitrotoluene	ND		180	26	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
2-Chloronaphthalene	ND		180	34	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
2-Chlorophenol	ND		180	28	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
2-Methylnaphthalene	ND		180	28	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
2-Methylphenol	ND		180	29	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
2-Nitroaniline	ND		350	31	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
2-Nitrophenol	ND		180	20	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
3,3'-Dichlorobenzidine	ND		350	53	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
3-Nitroaniline	ND		350	25	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
4,6-Dinitro-2-methylphenol	ND		350	39	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
4-Bromophenyl phenyl ether	ND		180	31	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
4-Chloro-3-methylphenol	ND		180	37	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
4-Chloroaniline	ND		180	26	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
4-Chlorophenyl phenyl ether	ND		180	38	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
4-Methylphenol	ND		350	32	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
4-Nitroaniline	ND		350	26	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
4-Nitrophenol	ND		350	49	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Acenaphthene	ND		180	33	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Acenaphthylene	ND		180	35	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Acetophenone	ND		180	32	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Anthracene	ND		180	33	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Atrazine	ND		180	61	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Benzaldehyde	ND		180	140	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Benzo[a]anthracene	ND		180	25	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Benzo[a]pyrene	ND		180	31	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Benzo[b]fluoranthene	ND		180	24	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Benzo[g,h,i]perylene	ND		180	31	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Benzo[k]fluoranthene	ND		180	40	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Bis(2-chloroethoxy)methane	ND		180	34	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Bis(2-chloroethyl)ether	ND		180	34	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Bis(2-ethylhexyl) phthalate	ND		180	39	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Butyl benzyl phthalate	ND		180	33	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Caprolactam	ND		180	42	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Carbazole	ND		180	35	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Chrysene	ND		180	43	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1

Client Sample ID: SB2-9'-10'
Lab Sample ID: 480-231006-14
Date Collected: 07/09/25 14:00
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 90.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		180	36	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Dibenzofuran	ND		180	32	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Diethyl phthalate	ND		180	32	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Dimethyl phthalate	ND		180	35	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Di-n-butyl phthalate	ND		180	40	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Di-n-octyl phthalate	ND		180	34	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Fluoranthene	ND		180	33	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Fluorene	ND		180	33	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Hexachlorobenzene	ND		180	35	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Hexachlorobutadiene	ND		180	27	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Hexachlorocyclopentadiene	ND		350	79	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Hexachloroethane	ND		180	33	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Indeno[1,2,3-cd]pyrene	ND		180	27	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Isophorone	ND		180	37	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Naphthalene	ND		180	30	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Nitrobenzene	ND		180	30	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
N-Nitrosodi-n-propylamine	ND		180	40	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
N-Nitrosodiphenylamine	ND		180	30	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Pentachlorophenol	ND		350	57	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Phenanthrene	ND		180	34	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Phenol	ND		180	33	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1
Pyrene	**36**	**J**	180	34	ug/Kg	☼	07/12/25 07:49	07/18/25 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*78*		*22 - 120*	*07/12/25 07:49*	*07/18/25 17:06*	*1*
p-Terphenyl-d14 (Surr)	*91*		*28 - 124*	*07/12/25 07:49*	*07/18/25 17:06*	*1*
Phenol-d5 (Surr)	*84*		*23 - 120*	*07/12/25 07:49*	*07/18/25 17:06*	*1*
2-Fluorophenol (Surr)	*83*		*18 - 120*	*07/12/25 07:49*	*07/18/25 17:06*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*10 - 140*	*07/12/25 07:49*	*07/18/25 17:06*	*1*
2-Fluorobiphenyl (Surr)	*80*		*29 - 120*	*07/12/25 07:49*	*07/18/25 17:06*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.5	0.68	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1
4,4'-DDE	ND		3.5	0.74	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1
4,4'-DDT	**1.4**	**J**	3.5	0.82	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1
Aldrin	ND		3.5	0.87	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1
alpha-BHC	ND		3.5	0.63	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1
cis-Chlordane	ND		3.5	1.8	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1
beta-BHC	ND		3.5	0.63	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1
delta-BHC	ND		3.5	0.65	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1
Dieldrin	ND		3.5	0.84	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1
Endosulfan I	ND		3.5	0.68	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1
Endosulfan II	ND		3.5	0.63	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1
Endosulfan sulfate	ND		3.5	0.66	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1
Endrin	ND		3.5	0.70	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1
Endrin aldehyde	ND		3.5	0.90	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1
Endrin ketone	ND		3.5	0.87	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1
gamma-BHC (Lindane)	ND		3.5	0.65	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1
trans-Chlordane	ND		3.5	1.1	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1

Client Sample ID: SB2-9'-10'
Date Collected: 07/09/25 14:00
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-14
Matrix: Solid
Percent Solids: 90.9

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		3.5	0.76	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1
Heptachlor epoxide	ND		3.5	0.91	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1
Methoxychlor	**1.2**	**J**	3.5	0.72	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1
Toxaphene	ND		35	20	ug/Kg	☼	07/15/25 06:52	07/18/25 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*45 - 120*	*07/15/25 06:52*	*07/18/25 13:53*	*1*
DCB Decachlorobiphenyl	*93*		*45 - 120*	*07/15/25 06:52*	*07/18/25 13:53*	*1*
Tetrachloro-m-xylene	*80*		*30 - 124*	*07/15/25 06:52*	*07/18/25 13:53*	*1*
Tetrachloro-m-xylene	*72*		*30 - 124*	*07/15/25 06:52*	*07/18/25 13:53*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0058	mg/Kg	☼	07/21/25 17:00	07/22/25 14:52	1
PCB-1221	ND		0.019	0.0058	mg/Kg	☼	07/21/25 17:00	07/22/25 14:52	1
PCB-1232	ND		0.019	0.0058	mg/Kg	☼	07/21/25 17:00	07/22/25 14:52	1
PCB-1242	ND		0.019	0.0058	mg/Kg	☼	07/21/25 17:00	07/22/25 14:52	1
PCB-1248	ND		0.019	0.0058	mg/Kg	☼	07/21/25 17:00	07/22/25 14:52	1
PCB-1254	ND		0.019	0.0070	mg/Kg	☼	07/21/25 17:00	07/22/25 14:52	1
PCB-1260	ND		0.019	0.0070	mg/Kg	☼	07/21/25 17:00	07/22/25 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*68 - 130*	*07/21/25 17:00*	*07/22/25 14:52*	*1*
Tetrachloro-m-xylene	*61*	*S1-*	*68 - 130*	*07/21/25 17:00*	*07/22/25 14:52*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*66 - 130*	*07/21/25 17:00*	*07/22/25 14:52*	*1*
DCB Decachlorobiphenyl (Surr)	*67*		*66 - 130*	*07/21/25 17:00*	*07/22/25 14:52*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		18	5.9	ug/Kg	☼	07/19/25 05:38	07/24/25 03:53	1
Silvex (2,4,5-TP)	ND		18	6.6	ug/Kg	☼	07/19/25 05:38	07/24/25 03:53	1
2,4-D	ND		18	12	ug/Kg	☼	07/19/25 05:38	07/24/25 03:53	1
Dichlorprop	ND		18	9.1	ug/Kg	☼	07/19/25 05:38	07/24/25 03:53	1
Pentachlorophenol	ND		18	6.0	ug/Kg	☼	07/19/25 05:38	07/24/25 03:53	1
Picloram	ND		18	7.9	ug/Kg	☼	07/19/25 05:38	07/24/25 03:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*89*		*28 - 129*	*07/19/25 05:38*	*07/24/25 03:53*	*1*
2,4-Dichlorophenylacetic acid	*82*		*28 - 129*	*07/19/25 05:38*	*07/24/25 03:53*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**27400**		11.2	9.6	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1
Antimony	ND		16.8	0.59	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1
Arsenic	ND		2.2	0.98	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1
Barium	**232**		0.56	0.16	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1
Beryllium	**0.86**		0.22	0.045	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1
Cadmium	ND		0.22	0.078	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1
Calcium	**1880**		56.0	30.2	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1
Chromium	**40.6**		0.56	0.40	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1
Cobalt	**21.1**		0.56	0.11	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Client Sample ID: SB2-9'-10'
Lab Sample ID: 480-231006-14
Date Collected: 07/09/25 14:00
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 90.9

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	47.1		1.1	0.64	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1
Iron	36200		11.2	9.5	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1
Lead	6.4		1.1	0.51	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1
Magnesium	9030		22.4	9.5	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1
Manganese	558		1.1	0.31	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1
Nickel	34.9		5.6	0.28	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1
Potassium	8800		33.6	27.1	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1
Selenium	ND		4.5	0.90	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1
Silver	0.24	J ^5-	0.67	0.22	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1
Sodium	843		157	68.6	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1
Thallium	ND		6.7	0.85	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1
Vanadium	84.9		0.56	0.15	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1
Zinc	74.7	^5-	2.2	1.1	mg/Kg	☼	07/17/25 08:43	07/18/25 12:42	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.022	0.0051	mg/Kg	☼	07/14/25 10:43	07/14/25 13:45	1

Surrogate Summary

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-231006-1	SB1-12"-18"	105	87	101	84
480-231006-4	SB1-7'-8'	102	89	101	79
480-231006-4 MS	SB1-7'-8'	102	87	101	88
480-231006-4 MSD	SB1-7'-8'	105	89	105	92
480-231006-5	SB1-5'-8'	104	88	101	81
480-231006-9	SB2-4'	106	85	98	83
480-231006-10	SB2-4' DUP	108	90	102	85
480-231006-14	SB2-9'-10'	104	88	102	82
LCS 480-751902/2-A	Lab Control Sample	108	92	102	94
MB 480-751902/1-A	Method Blank	105	89	100	89

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	TPHd14	PHL	2FP	TBP	FBP
Lab Sample ID	Client Sample ID	(22-120)	(28-124)	(23-120)	(18-120)	(10-140)	(29-120)
480-231006-3	SB1-12'-48"	57	87	79	83	82	83
480-231006-5	SB1-5'-8'	63	87	71	70	85	74
480-231006-12	SB2-12"-5'	70	80	67	66	34	74
480-231006-14	SB2-9'-10'	78	91	84	83	84	80
LCS 480-751553/2-A	Lab Control Sample	77	98	71	71	119	99
MB 480-751553/1-A	Method Blank	76	92	77	74	89	102

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
2FP = 2-Fluorophenol (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(45-120)	(45-120)	(30-124)	(30-124)
480-231006-3	SB1-12'-48"	114	216 S1+	0 S1-	0 S1-
480-231006-3 MS	SB1-12'-48"	193 S1+	410 S1+	106	102
480-231006-3 MSD	SB1-12'-48"	151 S1+	255 S1+	0 S1-	0 S1-
480-231006-5	SB1-5'-8'	153 S1+	272 S1+	0 S1-	0 S1-
480-231006-12	SB2-12"-5'	107	347 S1+	0 S1-	0 S1-
480-231006-14	SB2-9'-10'	70	93	80	72
LCS 480-751725/2-A	Lab Control Sample	88	93	75	74

Surrogate Summary

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
MB 480-751725/1-A	Method Blank	77	83	70	70

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	TCX1 (68-130)	TCX2 (68-130)	DCB1 (66-130)	DCB2 (66-130)
480-231006-3	SB1-12'-48"	90	55 S1- p	74	60 S1-
480-231006-3 MS	SB1-12'-48"	96	57 S1- p	72	68
480-231006-3 MSD	SB1-12'-48"	91	55 S1- p	76	65 S1-
480-231006-5	SB1-5'-8'	81	55 S1-	75	68
480-231006-12	SB2-12"-5'	82	44 S1- p	74	61 S1-
480-231006-14	SB2-9'-10'	87	61 S1-	82	67
LCS 410-674180/2-A	Lab Control Sample	92	88	96	107
MB 410-674180/1-A	Method Blank	93	88	93	101

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl (Surr)

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (28-129)	DCPAA2 (28-129)
480-231006-3	SB1-12'-48"	45	40
480-231006-5	SB1-5'-8'	94	87
480-231006-12	SB2-12"-5'	69	52
480-231006-14	SB2-9'-10'	89	82
LCS 480-752177/2-A	Lab Control Sample	86	74
MB 480-752177/1-A	Method Blank	64	59

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Isotope Dilution Summary

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (8-130)	PFPeA (35-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (40-130)
480-231006-1	SB1-12"-18"	115	112	111	101	119	107	101	103
480-231006-2	SB1-18"-30"	82.8	99.4	94.4	92.5	92.3	91.0	82.3	84.6
480-231006-3	SB1-12'-48"	109	113	108	109	111	99.5	95.1	105
480-231006-4	SB1-7'-8'	79.0	89.8	81.5	82.3	75.7	76.6	72.6	76.4
480-231006-4 MS	SB1-7'-8'	76.9	85.2	82.8	78.7	75.2	77.7	79.5	83.6
480-231006-4 MSD	SB1-7'-8'	83.3	93.5	91.9	89.1	87.9	87.4	83.1	77.9
480-231006-5	SB1-5'-8'	110	119	112	106	112	100	106	111
480-231006-7	SB2-12"-18"	79.4	82.5	82.7	75.5	86.0	76.0	67.9	84.3
480-231006-8	SB2-12"-18" DUP	83.3	94.4	90.6	88.0	88.2	99.5	90.2	94.5
480-231006-11	SB2-24"-36"	84.2	95.5	91.5	91.0	85.8	86.3	87.0	90.5
480-231006-12	SB2-12"-5'	127	124	122	116	112	101	78.0	59.7
480-231006-13	SB2-9'-10'	85.7	93.7	91.4	87.7	93.1	91.3	86.2	88.0
LCS 410-673310/2-A	Lab Control Sample	111	117	108	97.3	107	106	97.2	106
LCS 410-674050/2-A	Lab Control Sample	84.4	96.4	91.0	83.5	82.6	94.0	81.0	90.7
LLCS 410-673310/3-A	Lab Control Sample	115	123	122	113	116	109	110	117
LLCS 410-674050/3-A	Lab Control Sample	57.3	63.6	56.5	54.9	52.2	55.3	56.5	70.8
MB 410-673310/1-A	Method Blank	111	111	106	103	109	108	107	110
MB 410-674050/1-A	Method Blank	65.6	67.4	63.0	55.2	58.3	66.5	63.6	77.2

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (20-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-135)	d5NEFOS (40-150)	M242FTS (40-165)
480-231006-1	SB1-12"-18"	107	98.6	93.8	91.4	83.5	92.6	89.7	106
480-231006-2	SB1-18"-30"	59.7	86.1	83.1	76.8	69.0	78.3	69.5	83.1
480-231006-3	SB1-12'-48"	98.4	101	92.6	83.5	85.5	95.2	93.6	104
480-231006-4	SB1-7'-8'	48.6	79.3	75.5	69.3	68.4	73.0	66.9	77.2
480-231006-4 MS	SB1-7'-8'	68.4	76.1	76.7	77.8	67.1	78.0	73.7	74.9
480-231006-4 MSD	SB1-7'-8'	69.7	84.8	83.4	77.9	77.3	85.7	80.8	84.6
480-231006-5	SB1-5'-8'	90.5	104	101	100	95.5	97.6	97.3	106
480-231006-7	SB2-12"-18"	55.0	74.9	73.3	71.9	65.6	72.9	70.9	71.9
480-231006-8	SB2-12"-18" DUP	76.5	78.2	81.9	79.8	78.2	92.2	88.3	74.6
480-231006-11	SB2-24"-36"	70.4	79.8	81.0	80.6	76.4	93.4	91.5	79.8
480-231006-12	SB2-12"-5'	71.3	107	80.8	40.9	88.2	80.1	68.5	123
480-231006-13	SB2-9'-10'	66.2	81.5	83.7	83.4	82.9	94.9	90.1	80.2
LCS 410-673310/2-A	Lab Control Sample	104	102	101	102	98.0	109	104	118
LCS 410-674050/2-A	Lab Control Sample	74.8	90.8	85.9	85.0	79.0	86.2	83.7	88.6
LLCS 410-673310/3-A	Lab Control Sample	104	114	111	111	99.0	106	93.8	120
LLCS 410-674050/3-A	Lab Control Sample	59.7	53.8	56.1	60.5	50.7	64.3	61.7	54.3
MB 410-673310/1-A	Method Blank	107	109	108	105	98.5	112	111	126
MB 410-674050/1-A	Method Blank	69.9	60.7	66.1	69.9	58.5	69.7	73.4	59.9

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-215)	M282FTS (40-275)	HFPODA (40-130)	NMFM (20-130)	NEFM (15-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDoA (40-130)
480-231006-1	SB1-12"-18"	103	94.8	99.1	68.5	60.7	85.8	80.4	106
480-231006-2	SB1-18"-30"	81.1	75.0	87.1	26.1	19.5	59.8	64.8	66.5
480-231006-3	SB1-12'-48"	100	93.6	102	60.4	58.0	81.3	76.6	95.2
480-231006-4	SB1-7'-8'	74.4	67.4	77.7	37.7	35.3	56.8	63.0	65.3
480-231006-4 MS	SB1-7'-8'	73.5	72.6	79.3	36.1	31.3	54.7	63.7	79.6
480-231006-4 MSD	SB1-7'-8'	83.3	75.0	86.9	49.3	41.3	60.1	73.9	74.1
480-231006-5	SB1-5'-8'	107	97.8	107	54.3	48.7	81.8	84.0	102

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-215)	M282FTS (40-275)	HFPODA (40-130)	NMFM (20-130)	NEFM (15-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDoA (40-130)
480-231006-7	SB2-12"-18"	70.4	65.2	82.0	42.3	40.8	53.0	60.1	72.5
480-231006-8	SB2-12"-18" DUP	76.7	76.0	88.6	47.4	45.4	68.4	70.0	79.2
480-231006-11	SB2-24"-36"	79.1	75.3	89.9	50.4	43.7	64.0	70.0	79.2
480-231006-12	SB2-12"-5'	108	83.2	113	66.8	62.4	64.2	65.9	56.4
480-231006-13	SB2-9'-10'	80.6	77.4	87.0	37.1	32.8	76.1	78.3	79.3
LCS 410-673310/2-A	Lab Control Sample	118	110	101	73.5	64.1	79.4	75.8	94.1
LCS 410-674050/2-A	Lab Control Sample	88.1	83.4	86.2	44.0	39.9	56.4	62.4	80.8
LLCS 410-673310/3-A	Lab Control Sample	124	117	119	69.6	59.2	70.1	70.4	116
LLCS 410-674050/3-A	Lab Control Sample	52.9	54.7	55.6	46.0	42.0	46.3	47.0	62.0
MB 410-673310/1-A	Method Blank	128	120	105	72.4	61.0	84.7	85.9	109
MB 410-674050/1-A	Method Blank	60.0	62.7	60.5	36.2	38.0	53.6	49.0	79.0

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoA = 13C2 PFDoA

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (5-130)	PFPeA (40-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (30-130)
480-231006-6	RINSATE	104	103	98.4	96.0	104	105	94.7	91.4
LCS 410-671022/5-A	Lab Control Sample	121	134 *5+	118	114	109	99.6	98.7	122
LCSD 410-671022/6-A	Lab Control Sample Dup	115	125	115	111	111	107	96.0	130
LLCS 410-671022/7-A	Lab Control Sample	120	137 *5+	124	130	113	112	111	116
MB 410-671022/4-A	Method Blank	102	109	96.0	95.6	103	108	97.5	97.4

Isotope Dilution Summary

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)	M242FTS (40-200)
480-231006-6	RINSATE	82.7	116	111	108	95.9	85.0	85.9	108
LCS 410-671022/5-A	Lab Control Sample	109	108	103	94.4	94.6	91.8	91.4	111
LCSD 410-671022/6-A	Lab Control Sample Dup	114	108	104	103	93.2	98.4	96.1	109
LLCS 410-671022/7-A	Lab Control Sample	119	122	117	116	102	107	106	118
MB 410-671022/4-A	Method Blank	91.1	110	106	117	111	94.1	94.1	106

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDoA (10-130)
480-231006-6	RINSATE	105	106	100	72.9	67.9	82.8	71.2	78.6
LCS 410-671022/5-A	Lab Control Sample	105	102	117	79.6	72.1	76.3	71.7	113
LCSD 410-671022/6-A	Lab Control Sample Dup	104	98.5	109	75.6	71.6	77.1	72.2	113
LLCS 410-671022/7-A	Lab Control Sample	115	111	125	84.2	73.4	83.7	75.5	119
MB 410-671022/4-A	Method Blank	104	99.7	86.5	85.7	79.7	92.0	83.6	81.9

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoA = 13C2 PFDoA

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-751902/1-A
Matrix: Solid
Analysis Batch: 751892

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751902

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,1-Dichloroethane	ND		100	31	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,1-Dichloroethene	ND		100	35	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,2-Dichlorobenzene	ND		100	26	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,2-Dichloroethane	ND		100	41	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,2-Dichloropropane	ND		100	16	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
2-Butanone (MEK)	ND		500	300	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
2-Hexanone	ND		500	210	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Acetone	ND		500	410	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Benzene	ND		100	19	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Bromoform	ND		100	50	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Bromomethane	ND		100	22	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Carbon disulfide	ND		100	46	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Carbon tetrachloride	ND		100	26	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Chlorobenzene	ND		100	13	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Chloroethane	ND		100	21	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Chloroform	ND		100	69	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Chloromethane	ND		100	24	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Bromodichloromethane	ND		100	20	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Cyclohexane	ND		100	22	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Dibromochloromethane	ND		100	48	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,2-Dibromoethane	ND		100	18	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Ethylbenzene	ND		100	29	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Isopropylbenzene	ND		100	15	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Methyl acetate	ND		500	48	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Methylcyclohexane	ND		100	47	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Methylene Chloride	ND		100	20	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Tetrachloroethene	ND		100	13	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Toluene	ND		100	27	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Trichloroethene	ND		100	28	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Trichlorofluoromethane	ND		100	47	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Styrene	ND		100	24	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Vinyl chloride	ND		100	34	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Xylenes, Total	ND		200	55	ug/Kg		07/16/25 10:48	07/16/25 14:03	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-751902/1-A
Matrix: Solid
Analysis Batch: 751892

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751902

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		53 - 146	07/16/25 10:48	07/16/25 14:03	1
4-Bromofluorobenzene (Surr)	89		49 - 148	07/16/25 10:48	07/16/25 14:03	1
Toluene-d8 (Surr)	100		50 - 149	07/16/25 10:48	07/16/25 14:03	1
Dibromofluoromethane (Surr)	89		60 - 140	07/16/25 10:48	07/16/25 14:03	1

Lab Sample ID: LCS 480-751902/2-A
Matrix: Solid
Analysis Batch: 751892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751902

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	2500	2470		ug/Kg		99	68 - 130
1,1,2,2-Tetrachloroethane	2500	2650		ug/Kg		106	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2700		ug/Kg		108	10 - 179
1,1,2-Trichloroethane	2500	2560		ug/Kg		102	80 - 120
1,1-Dichloroethane	2500	2780		ug/Kg		111	78 - 121
1,1-Dichloroethene	2500	2320		ug/Kg		93	48 - 133
1,2,4-Trichlorobenzene	2500	2600		ug/Kg		104	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2060		ug/Kg		83	56 - 122
1,2-Dichlorobenzene	2500	2680		ug/Kg		107	78 - 125
1,2-Dichloroethane	2500	2820		ug/Kg		113	74 - 127
1,2-Dichloropropane	2500	2690		ug/Kg		107	80 - 120
1,3-Dichlorobenzene	2500	2610		ug/Kg		104	80 - 120
1,4-Dichlorobenzene	2500	2600		ug/Kg		104	80 - 120
2-Butanone (MEK)	12500	14600		ug/Kg		116	54 - 149
2-Hexanone	12500	15300		ug/Kg		122	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	14800		ug/Kg		118	74 - 120
Acetone	12500	15700		ug/Kg		125	47 - 141
Benzene	2500	2680		ug/Kg		107	77 - 125
Bromoform	2500	1640		ug/Kg		66	48 - 125
Bromomethane	2500	2110		ug/Kg		84	39 - 149
Carbon disulfide	2500	2300		ug/Kg		92	40 - 136
Carbon tetrachloride	2500	2220		ug/Kg		89	54 - 135
Chlorobenzene	2500	2590		ug/Kg		104	76 - 126
Chloroethane	2500	2370		ug/Kg		95	23 - 150
Chloroform	2500	2600		ug/Kg		104	78 - 120
Chloromethane	2500	2480		ug/Kg		99	61 - 124
cis-1,2-Dichloroethene	2500	2540		ug/Kg		102	79 - 124
Bromodichloromethane	2500	2240		ug/Kg		90	71 - 121
Cyclohexane	2500	2720		ug/Kg		109	49 - 129
Dibromochloromethane	2500	1910		ug/Kg		76	64 - 120
1,2-Dibromoethane	2500	2540		ug/Kg		102	80 - 120
Dichlorodifluoromethane	2500	1830		ug/Kg		73	10 - 150
Ethylbenzene	2500	2690		ug/Kg		107	78 - 124
Isopropylbenzene	2500	2710		ug/Kg		108	76 - 120
Methyl acetate	5000	5510		ug/Kg		110	71 - 123
Methyl tert-butyl ether	2500	2540		ug/Kg		101	67 - 137
Methylcyclohexane	2500	2460		ug/Kg		99	50 - 130
Methylene Chloride	2500	2410		ug/Kg		97	75 - 118

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-751902/2-A
Matrix: Solid
Analysis Batch: 751892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751902

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	2500	2520		ug/Kg		101	73 - 133
Toluene	2500	2680		ug/Kg		107	75 - 124
trans-1,2-Dichloroethene	2500	2470		ug/Kg		99	74 - 129
trans-1,3-Dichloropropene	2500	2390		ug/Kg		96	73 - 120
Trichloroethene	2500	2480		ug/Kg		99	75 - 131
cis-1,3-Dichloropropene	2500	2410		ug/Kg		96	75 - 121
Trichlorofluoromethane	2500	2760		ug/Kg		110	29 - 158
Styrene	2500	2440		ug/Kg		98	80 - 120
Vinyl chloride	2500	2740		ug/Kg		109	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*53 - 146*
4-Bromofluorobenzene (Surr)	*92*		*49 - 148*
Toluene-d8 (Surr)	*102*		*50 - 149*
Dibromofluoromethane (Surr)	*94*		*60 - 140*

Lab Sample ID: 480-231006-4 MS
Matrix: Solid
Analysis Batch: 751930

Client Sample ID: SB1-7'-8'
Prep Type: Total/NA
Prep Batch: 751902

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND	F1	1030	1550	F1	ug/Kg	☼	151	64 - 142
1,1,2,2-Tetrachloroethane	ND	F1	1030	1740	F1	ug/Kg	☼	170	56 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1030	1460		ug/Kg	☼	143	64 - 154
1,1,2-Trichloroethane	ND	F1	1030	1670	F1	ug/Kg	☼	163	63 - 133
1,1-Dichloroethane	ND	F1	1030	1730	F1	ug/Kg	☼	168	64 - 135
1,1-Dichloroethene	ND		1030	1320		ug/Kg	☼	129	62 - 145
1,2,4-Trichlorobenzene	ND	F1	1030	1740	F1	ug/Kg	☼	169	56 - 145
1,2-Dibromo-3-Chloropropane	ND	F1	1030	1390	F1	ug/Kg	☼	135	40 - 122
1,2-Dichlorobenzene	ND	F1	1030	1770	F1	ug/Kg	☼	173	68 - 133
1,2-Dichloroethane	ND	F1	1030	1810	F1	ug/Kg	☼	176	62 - 135
1,2-Dichloropropane	ND	F1	1030	1700	F1	ug/Kg	☼	166	67 - 139
1,3-Dichlorobenzene	ND	F1	1030	1780	F1	ug/Kg	☼	174	68 - 136
1,4-Dichlorobenzene	ND	F1	1030	1740	F1	ug/Kg	☼	170	69 - 136
2-Butanone (MEK)	ND	F1	5130	8730	F1	ug/Kg	☼	170	46 - 132
2-Hexanone	ND	F1	5130	10400	F1	ug/Kg	☼	202	44 - 130
4-Methyl-2-pentanone (MIBK)	ND	F1	5130	10100	F1	ug/Kg	☼	196	49 - 125
Acetone	ND	F1	5130	9230	F1	ug/Kg	☼	180	32 - 136
Benzene	ND	F1	1030	1690	F1	ug/Kg	☼	164	68 - 137
Bromoform	ND		1030	958		ug/Kg	☼	93	43 - 134
Bromomethane	ND		1030	1070		ug/Kg	☼	105	38 - 137
Carbon disulfide	ND		1030	1180		ug/Kg	☼	115	52 - 139
Carbon tetrachloride	ND		1030	1360		ug/Kg	☼	133	60 - 150
Chlorobenzene	ND	F1	1030	1680	F1	ug/Kg	☼	164	67 - 136
Dibromochloromethane	ND		1030	1170		ug/Kg	☼	114	57 - 137
Chloroethane	ND		1030	1290		ug/Kg	☼	125	34 - 140
Chloroform	ND	F1	1030	1630	F1	ug/Kg	☼	159	64 - 133
Chloromethane	ND		1030	1220		ug/Kg	☼	119	47 - 143

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-231006-4 MS
Matrix: Solid
Analysis Batch: 751930

Client Sample ID: SB1-7'-8'
Prep Type: Total/NA
Prep Batch: 751902

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	ND	F1	1030	1520	F1	ug/Kg	☼	148	65 - 137
Cyclohexane	ND	F1	1030	1650	F1	ug/Kg	☼	161	63 - 149
Bromodichloromethane	ND		1030	1310		ug/Kg	☼	128	62 - 136
Dichlorodifluoromethane	ND		1030	563		ug/Kg	☼	55	26 - 150
Ethylbenzene	ND	F1	1030	1810	F1	ug/Kg	☼	176	67 - 136
1,2-Dibromoethane	ND	F1	1030	1680	F1	ug/Kg	☼	164	65 - 133
Isopropylbenzene	ND	F1	1030	1890	F1	ug/Kg	☼	185	65 - 147
Methyl acetate	100	J F1	2050	4080	F1	ug/Kg	☼	194	50 - 124
Methyl tert-butyl ether	ND	F1	1030	1550	F1	ug/Kg	☼	152	60 - 130
Methylcyclohexane	ND	F1	1030	1550	F1	ug/Kg	☼	151	67 - 150
Methylene Chloride	ND	F1	1030	1480	F1	ug/Kg	☼	145	63 - 138
Tetrachloroethene	ND	F1	1030	1710	F1	ug/Kg	☼	166	67 - 150
Toluene	ND	F1	1030	1760	F1	ug/Kg	☼	172	68 - 137
trans-1,2-Dichloroethene	ND	F1	1030	1510	F1	ug/Kg	☼	147	65 - 138
trans-1,3-Dichloropropene	ND	F1	1030	1520	F1	ug/Kg	☼	148	58 - 143
Trichloroethene	ND	F1	1030	1610	F1	ug/Kg	☼	157	69 - 143
Trichlorofluoromethane	ND		1030	1470		ug/Kg	☼	143	35 - 150
Vinyl chloride	ND		1030	1370		ug/Kg	☼	133	56 - 150
cis-1,3-Dichloropropene	ND		1030	1450		ug/Kg	☼	141	61 - 148
Styrene	ND	F1	1030	1620	F1	ug/Kg	☼	158	68 - 137

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*
4-Bromofluorobenzene (Surr)	*87*		*49 - 148*
Toluene-d8 (Surr)	*101*		*50 - 149*
Dibromofluoromethane (Surr)	*88*		*60 - 140*

Lab Sample ID: 480-231006-4 MSD
Matrix: Solid
Analysis Batch: 751930

Client Sample ID: SB1-7'-8'
Prep Type: Total/NA
Prep Batch: 751902

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	F1	1160	1740	F1	ug/Kg	☼	151	64 - 142	11	20
1,1,2,2-Tetrachloroethane	ND	F1	1160	1860	F1	ug/Kg	☼	161	56 - 128	7	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1160	1670		ug/Kg	☼	145	64 - 154	13	20
1,1,2-Trichloroethane	ND	F1	1160	1890	F1	ug/Kg	☼	163	63 - 133	12	20
1,1-Dichloroethane	ND	F1	1160	1900	F1	ug/Kg	☼	165	64 - 135	10	20
1,1-Dichloroethene	ND		1160	1460		ug/Kg	☼	126	62 - 145	10	20
1,2,4-Trichlorobenzene	ND	F1	1160	1950	F1	ug/Kg	☼	169	56 - 145	12	20
1,2-Dibromo-3-Chloropropane	ND	F1	1160	1580	F1	ug/Kg	☼	136	40 - 122	13	20
1,2-Dichlorobenzene	ND	F1	1160	1920	F1	ug/Kg	☼	167	68 - 133	8	20
1,2-Dichloroethane	ND	F1	1160	1960	F1	ug/Kg	☼	170	62 - 135	8	20
1,2-Dichloropropane	ND	F1	1160	1890	F1	ug/Kg	☼	164	67 - 139	11	20
1,3-Dichlorobenzene	ND	F1	1160	1900	F1	ug/Kg	☼	164	68 - 136	6	20
1,4-Dichlorobenzene	ND	F1	1160	1890	F1	ug/Kg	☼	164	69 - 136	8	20
2-Butanone (MEK)	ND	F1	5780	9620	F1	ug/Kg	☼	166	46 - 132	10	20
2-Hexanone	ND	F1	5780	11400	F1	ug/Kg	☼	198	44 - 130	10	20
4-Methyl-2-pentanone (MIBK)	ND	F1	5780	11100	F1	ug/Kg	☼	192	49 - 125	10	20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-231006-4 MSD
Matrix: Solid
Analysis Batch: 751930

Client Sample ID: SB1-7'-8'
Prep Type: Total/NA
Prep Batch: 751902

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND	F1	5780	9920	F1	ug/Kg	☼	172	32 - 136	7	20
Benzene	ND	F1	1160	1860	F1	ug/Kg	☼	161	68 - 137	10	20
Bromoform	ND		1160	1120		ug/Kg	☼	97	43 - 134	16	20
Bromomethane	ND		1160	1110		ug/Kg	☼	96	38 - 137	4	20
Carbon disulfide	ND		1160	1300		ug/Kg	☼	112	52 - 139	10	20
Carbon tetrachloride	ND		1160	1610		ug/Kg	☼	139	60 - 150	17	20
Chlorobenzene	ND	F1	1160	1830	F1	ug/Kg	☼	158	67 - 136	9	20
Dibromochloromethane	ND		1160	1360		ug/Kg	☼	118	57 - 137	15	20
Chloroethane	ND		1160	1310		ug/Kg	☼	113	34 - 140	2	20
Chloroform	ND	F1	1160	1810	F1	ug/Kg	☼	156	64 - 133	11	20
Chloromethane	ND		1160	1200		ug/Kg	☼	104	47 - 143	1	20
cis-1,2-Dichloroethene	ND	F1	1160	1730	F1	ug/Kg	☼	149	65 - 137	13	20
Cyclohexane	ND	F1	1160	1790	F1	ug/Kg	☼	155	63 - 149	8	20
Bromodichloromethane	ND		1160	1510		ug/Kg	☼	131	62 - 136	14	20
Dichlorodifluoromethane	ND		1160	551		ug/Kg	☼	48	26 - 150	2	20
Ethylbenzene	ND	F1	1160	1980	F1	ug/Kg	☼	171	67 - 136	9	20
1,2-Dibromoethane	ND	F1	1160	1810	F1	ug/Kg	☼	156	65 - 133	7	20
Isopropylbenzene	ND	F1	1160	2020	F1	ug/Kg	☼	175	65 - 147	6	20
Methyl acetate	100	J F1	2310	4290	F1	ug/Kg	☼	181	50 - 124	5	20
Methyl tert-butyl ether	ND	F1	1160	1720	F1	ug/Kg	☼	149	60 - 130	10	20
Methylcyclohexane	ND	F1	1160	1750	F1	ug/Kg	☼	151	67 - 150	12	20
Methylene Chloride	ND	F1	1160	1660	F1	ug/Kg	☼	143	63 - 138	11	20
Tetrachloroethene	ND	F1	1160	1940	F1	ug/Kg	☼	168	67 - 150	13	20
Toluene	ND	F1	1160	1990	F1	ug/Kg	☼	172	68 - 137	12	20
trans-1,2-Dichloroethene	ND	F1	1160	1680	F1	ug/Kg	☼	146	65 - 138	11	20
trans-1,3-Dichloropropene	ND	F1	1160	1710	F1	ug/Kg	☼	148	58 - 143	12	20
Trichloroethene	ND	F1	1160	1790	F1	ug/Kg	☼	155	69 - 143	11	20
Trichlorofluoromethane	ND		1160	1580		ug/Kg	☼	137	35 - 150	7	20
Vinyl chloride	ND		1160	1410		ug/Kg	☼	122	56 - 150	3	20
cis-1,3-Dichloropropene	ND		1160	1640		ug/Kg	☼	142	61 - 148	12	20
Styrene	ND	F1	1160	1780	F1	ug/Kg	☼	154	68 - 137	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*
4-Bromofluorobenzene (Surr)	*89*		*49 - 148*
Toluene-d8 (Surr)	*105*		*50 - 149*
Dibromofluoromethane (Surr)	*92*		*60 - 140*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-751553/1-A
Matrix: Solid
Analysis Batch: 751756

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751553

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	32	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
bis (2-chloroisopropyl) ether	ND		170	35	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2,4,5-Trichlorophenol	ND		170	34	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2,4,6-Trichlorophenol	ND		170	26	ug/Kg		07/12/25 07:49	07/16/25 00:48	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-751553/1-A
Matrix: Solid
Analysis Batch: 751756

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751553

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		170	33	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2,4-Dimethylphenol	ND		170	36	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2,4-Dinitrophenol	ND		1700	32	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2,4-Dinitrotoluene	ND		170	23	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2,6-Dinitrotoluene	ND		170	24	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2-Chloronaphthalene	ND		170	32	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2-Chlorophenol	ND		170	27	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2-Methylnaphthalene	ND		170	27	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2-Methylphenol	ND		170	27	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2-Nitroaniline	ND		330	29	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2-Nitrophenol	ND		170	19	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
3,3'-Dichlorobenzidine	ND		330	50	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
3-Nitroaniline	ND		330	24	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
4,6-Dinitro-2-methylphenol	ND		330	37	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
4-Bromophenyl phenyl ether	ND		170	29	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
4-Chloro-3-methylphenol	ND		170	35	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
4-Chloroaniline	ND		170	24	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
4-Chlorophenyl phenyl ether	ND		170	36	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
4-Methylphenol	ND		330	30	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
4-Nitroaniline	ND		330	25	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
4-Nitrophenol	ND		330	46	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Acenaphthene	ND		170	31	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Acenaphthylene	ND		170	33	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Acetophenone	ND		170	30	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Anthracene	ND		170	31	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Atrazine	ND		170	57	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Benzaldehyde	ND		170	130	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Benzo[a]anthracene	ND		170	23	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Benzo[a]pyrene	ND		170	29	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Benzo[b]fluoranthene	ND		170	23	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Benzo[g,h,i]perylene	ND		170	30	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Benzo[k]fluoranthene	ND		170	38	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Bis(2-chloroethoxy)methane	ND		170	32	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Bis(2-chloroethyl)ether	ND		170	32	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Bis(2-ethylhexyl) phthalate	ND		170	37	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Butyl benzyl phthalate	ND		170	31	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Caprolactam	ND		170	39	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Carbazole	ND		170	33	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Chrysene	ND		170	41	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Dibenz(a,h)anthracene	ND		170	34	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Dibenzofuran	ND		170	30	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Diethyl phthalate	ND		170	30	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Dimethyl phthalate	ND		170	33	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Di-n-butyl phthalate	ND		170	38	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Di-n-octyl phthalate	ND		170	32	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Fluoranthene	ND		170	31	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Fluorene	ND		170	31	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Hexachlorobenzene	ND		170	33	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Hexachlorobutadiene	ND		170	25	ug/Kg		07/12/25 07:49	07/16/25 00:48	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-751553/1-A
Matrix: Solid
Analysis Batch: 751756

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751553

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		330	74	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Hexachloroethane	ND		170	31	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Indeno[1,2,3-cd]pyrene	ND		170	25	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Isophorone	ND		170	35	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Naphthalene	ND		170	28	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Nitrobenzene	ND		170	28	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
N-Nitrosodi-n-propylamine	ND		170	38	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
N-Nitrosodiphenylamine	ND		170	28	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Pentachlorophenol	ND		330	54	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Phenanthrene	ND		170	32	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Phenol	ND		170	31	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Pyrene	ND		170	32	ug/Kg		07/12/25 07:49	07/16/25 00:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*76*		*22 - 120*	*07/12/25 07:49*	*07/16/25 00:48*	*1*
p-Terphenyl-d14 (Surr)	*92*		*28 - 124*	*07/12/25 07:49*	*07/16/25 00:48*	*1*
Phenol-d5 (Surr)	*77*		*23 - 120*	*07/12/25 07:49*	*07/16/25 00:48*	*1*
2-Fluorophenol (Surr)	*74*		*18 - 120*	*07/12/25 07:49*	*07/16/25 00:48*	*1*
2,4,6-Tribromophenol (Surr)	*89*		*10 - 140*	*07/12/25 07:49*	*07/16/25 00:48*	*1*
2-Fluorobiphenyl (Surr)	*102*		*29 - 120*	*07/12/25 07:49*	*07/16/25 00:48*	*1*

Lab Sample ID: LCS 480-751553/2-A
Matrix: Solid
Analysis Batch: 751756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751553

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	2670	2450		ug/Kg		92	47 - 120
bis (2-chloroisopropyl) ether	2670	1570		ug/Kg		59	31 - 120
2,4,5-Trichlorophenol	2670	2460		ug/Kg		92	52 - 120
2,4,6-Trichlorophenol	2670	2410		ug/Kg		91	51 - 120
2,4-Dichlorophenol	2670	2190		ug/Kg		82	44 - 120
2,4-Dimethylphenol	2670	2020		ug/Kg		76	48 - 120
2,4-Dinitrophenol	5330	2020		ug/Kg		38	28 - 120
2,4-Dinitrotoluene	2670	2120		ug/Kg		80	55 - 125
2,6-Dinitrotoluene	2670	2540		ug/Kg		95	51 - 125
2-Chloronaphthalene	2670	2420		ug/Kg		91	46 - 120
2-Chlorophenol	2670	1900		ug/Kg		71	40 - 120
2-Methylnaphthalene	2670	2170		ug/Kg		81	45 - 120
2-Methylphenol	2670	1710		ug/Kg		64	41 - 120
2-Nitroaniline	2670	1930		ug/Kg		72	51 - 125
2-Nitrophenol	2670	2120		ug/Kg		79	43 - 120
3,3'-Dichlorobenzidine	2670	2270		ug/Kg		85	10 - 120
3-Nitroaniline	2670	1880		ug/Kg		70	33 - 120
4,6-Dinitro-2-methylphenol	5330	3730		ug/Kg		70	49 - 126
4-Bromophenyl phenyl ether	2670	2990		ug/Kg		112	55 - 123
4-Chloro-3-methylphenol	2670	1930		ug/Kg		72	54 - 120
4-Chloroaniline	2670	1860		ug/Kg		70	20 - 120
4-Chlorophenyl phenyl ether	2670	2260		ug/Kg		85	54 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-751553/2-A
Matrix: Solid
Analysis Batch: 751756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751553

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Methylphenol	2670	1770		ug/Kg		66	43 - 120
4-Nitroaniline	2670	1890		ug/Kg		71	54 - 120
4-Nitrophenol	5330	3300		ug/Kg		62	47 - 120
Acenaphthene	2670	2310		ug/Kg		87	49 - 121
Acenaphthylene	2670	2210		ug/Kg		83	49 - 120
Acetophenone	2670	1780		ug/Kg		67	39 - 120
Anthracene	2670	2500		ug/Kg		94	57 - 120
Atrazine	2670	1800		ug/Kg		67	44 - 120
Benzaldehyde	2670	1520		ug/Kg		57	10 - 120
Benzo[a]anthracene	2670	2490		ug/Kg		93	58 - 120
Benzo[a]pyrene	2670	2370		ug/Kg		89	59 - 122
Benzo[b]fluoranthene	2670	2470		ug/Kg		93	56 - 120
Benzo[g,h,i]perylene	2670	2670		ug/Kg		100	56 - 132
Benzo[k]fluoranthene	2670	2090		ug/Kg		78	59 - 127
Bis(2-chloroethoxy)methane	2670	2090		ug/Kg		78	42 - 120
Bis(2-chloroethyl)ether	2670	1840		ug/Kg		69	34 - 120
Bis(2-ethylhexyl) phthalate	2670	2230		ug/Kg		84	49 - 130
Butyl benzyl phthalate	2670	2240		ug/Kg		84	50 - 122
Caprolactam	2670	1310		ug/Kg		49	10 - 120
Carbazole	2670	2520		ug/Kg		95	58 - 124
Chrysene	2670	2530		ug/Kg		95	57 - 120
Dibenz(a,h)anthracene	2670	2790		ug/Kg		105	53 - 124
Dibenzofuran	2670	2220		ug/Kg		83	53 - 120
Diethyl phthalate	2670	2160		ug/Kg		81	54 - 120
Dimethyl phthalate	2670	2380		ug/Kg		89	53 - 120
Di-n-butyl phthalate	2670	2600		ug/Kg		98	49 - 120
Di-n-octyl phthalate	2670	2270		ug/Kg		85	42 - 125
Fluoranthene	2670	2500		ug/Kg		94	57 - 121
Fluorene	2670	2130		ug/Kg		80	55 - 121
Hexachlorobenzene	2670	2810		ug/Kg		105	56 - 120
Hexachlorobutadiene	2670	2320		ug/Kg		87	40 - 120
Hexachlorocyclopentadiene	2670	1640		ug/Kg		62	30 - 125
Hexachloroethane	2670	1820		ug/Kg		68	34 - 120
Indeno[1,2,3-cd]pyrene	2670	2740		ug/Kg		103	53 - 125
Isophorone	2670	1910		ug/Kg		72	46 - 120
Naphthalene	2670	2110		ug/Kg		79	43 - 120
Nitrobenzene	2670	1900		ug/Kg		71	40 - 120
N-Nitrosodi-n-propylamine	2670	1750		ug/Kg		66	41 - 120
N-Nitrosodiphenylamine	2670	2830		ug/Kg		106	57 - 126
Pentachlorophenol	5330	4510		ug/Kg		85	10 - 124
Phenanthrene	2670	2600		ug/Kg		97	57 - 120
Phenol	2670	1790		ug/Kg		67	37 - 120
Pyrene	2670	2390		ug/Kg		90	59 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*77*		*22 - 120*
p-Terphenyl-d14 (Surr)	*98*		*28 - 124*
Phenol-d5 (Surr)	*71*		*23 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-751553/2-A
Matrix: Solid
Analysis Batch: 751756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751553

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*71*		*18 - 120*
2,4,6-Tribromophenol (Surr)	*119*		*10 - 140*
2-Fluorobiphenyl (Surr)	*99*		*29 - 120*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-751725/1-A
Matrix: Solid
Analysis Batch: 752073

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751725

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.3	0.65	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
4,4'-DDE	ND		3.3	0.70	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
4,4'-DDT	ND		3.3	0.78	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Aldrin	ND		3.3	0.82	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
alpha-BHC	ND		3.3	0.60	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
cis-Chlordane	ND		3.3	1.7	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
beta-BHC	0.978	J	3.3	0.60	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
delta-BHC	ND		3.3	0.62	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Dieldrin	ND		3.3	0.80	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Endosulfan I	ND		3.3	0.64	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Endosulfan II	ND		3.3	0.60	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Endosulfan sulfate	ND		3.3	0.62	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Endrin	ND		3.3	0.66	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Endrin aldehyde	ND		3.3	0.85	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Endrin ketone	ND		3.3	0.82	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
gamma-BHC (Lindane)	ND		3.3	0.61	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
trans-Chlordane	ND		3.3	1.1	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Heptachlor	ND		3.3	0.72	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Heptachlor epoxide	ND		3.3	0.86	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Methoxychlor	ND		3.3	0.68	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Toxaphene	ND		33	19	ug/Kg		07/15/25 06:52	07/18/25 09:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*45 - 120*	*07/15/25 06:52*	*07/18/25 09:59*	*1*
DCB Decachlorobiphenyl	*83*		*45 - 120*	*07/15/25 06:52*	*07/18/25 09:59*	*1*
Tetrachloro-m-xylene	*70*		*30 - 124*	*07/15/25 06:52*	*07/18/25 09:59*	*1*
Tetrachloro-m-xylene	*70*		*30 - 124*	*07/15/25 06:52*	*07/18/25 09:59*	*1*

Lab Sample ID: LCS 480-751725/2-A
Matrix: Solid
Analysis Batch: 752073

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751725

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	33.3	27.3		ug/Kg		82	56 - 120
4,4'-DDE	33.3	24.7		ug/Kg		74	44 - 120
4,4'-DDT	33.3	27.1		ug/Kg		81	38 - 120
Aldrin	33.3	21.7		ug/Kg		65	38 - 120

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-751725/2-A
Matrix: Solid
Analysis Batch: 752073

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751725

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
alpha-BHC	33.3	21.3		ug/Kg		64	39 - 120
cis-Chlordane	33.3	20.7		ug/Kg		62	47 - 120
beta-BHC	33.3	24.2		ug/Kg		73	40 - 120
delta-BHC	33.3	24.7		ug/Kg		74	45 - 120
Dieldrin	33.3	26.0		ug/Kg		78	58 - 120
Endosulfan I	33.3	24.2		ug/Kg		73	49 - 120
Endosulfan II	33.3	25.3		ug/Kg		76	55 - 120
Endosulfan sulfate	33.3	23.1		ug/Kg		69	49 - 124
Endrin	33.3	26.8		ug/Kg		80	58 - 120
Endrin aldehyde	33.3	14.4		ug/Kg		43	37 - 121
Endrin ketone	33.3	24.5		ug/Kg		74	46 - 123
gamma-BHC (Lindane)	33.3	24.2		ug/Kg		73	50 - 120
trans-Chlordane	33.3	24.0		ug/Kg		72	48 - 120
Heptachlor	33.3	26.2		ug/Kg		78	50 - 120
Heptachlor epoxide	33.3	26.6		ug/Kg		80	50 - 120
Methoxychlor	33.3	28.3		ug/Kg		85	58 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*45 - 120*
DCB Decachlorobiphenyl	*93*		*45 - 120*
Tetrachloro-m-xylene	*75*		*30 - 124*
Tetrachloro-m-xylene	*74*		*30 - 124*

Lab Sample ID: 480-231006-3 MS
Matrix: Solid
Analysis Batch: 752073

Client Sample ID: SB1-12'-48"
Prep Type: Total/NA
Prep Batch: 751725

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	ND		35.3	29.7	J	ug/Kg	☼	84	37 - 126
4,4'-DDE	ND		35.3	27.7	J	ug/Kg	☼	78	34 - 120
4,4'-DDT	32	J	35.3	59.3	J	ug/Kg	☼	77	43 - 123
Aldrin	ND	F1	35.3	ND	F1	ug/Kg	☼	0	37 - 125
alpha-BHC	ND		35.3	30.8	J	ug/Kg	☼	87	39 - 120
cis-Chlordane	ND	F1	35.3	ND	F1	ug/Kg	☼	0	35 - 120
beta-BHC	ND		35.3	31.5	J	ug/Kg	☼	89	36 - 120
delta-BHC	ND		35.3	38.8	J	ug/Kg	☼	110	34 - 120
Dieldrin	ND	F2	35.3	23.9	J	ug/Kg	☼	68	45 - 120
Endosulfan I	ND	F1	35.3	ND	F1	ug/Kg	☼	0	39 - 120
Endosulfan II	ND		35.3	21.7	J	ug/Kg	☼	61	34 - 126
Endosulfan sulfate	ND		35.3	22.0	J	ug/Kg	☼	62	27 - 130
Endrin	ND		35.3	29.4	J	ug/Kg	☼	83	47 - 121
Endrin aldehyde	ND	F1	35.3	ND	F1	ug/Kg	☼	0	33 - 123
Endrin ketone	ND		35.3	36.1	J	ug/Kg	☼	102	43 - 126
gamma-BHC (Lindane)	ND		35.3	32.7	J	ug/Kg	☼	92	50 - 120
trans-Chlordane	ND	F1	35.3	ND	F1	ug/Kg	☼	0	31 - 120
Heptachlor	ND		35.3	30.2	J	ug/Kg	☼	85	42 - 120
Heptachlor epoxide	ND	F1	35.3	18.0	J	ug/Kg	☼	51	40 - 120
Methoxychlor	ND		35.3	53.1	J	ug/Kg	☼	150	44 - 150

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 480-231006-3 MS
Matrix: Solid
Analysis Batch: 752073

Client Sample ID: SB1-12'-48"
Prep Type: Total/NA
Prep Batch: 751725

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	193	S1+	45 - 120
DCB Decachlorobiphenyl	410	S1+	45 - 120
Tetrachloro-m-xylene	106		30 - 124
Tetrachloro-m-xylene	102		30 - 124

Lab Sample ID: 480-231006-3 MSD
Matrix: Solid
Analysis Batch: 752073

Client Sample ID: SB1-12'-48"
Prep Type: Total/NA
Prep Batch: 751725

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	ND		34.5	24.9	J	ug/Kg	☼	72	37 - 126	18	21
4,4'-DDE	ND		34.5	24.7	J	ug/Kg	☼	71	34 - 120	12	18
4,4'-DDT	32	J	34.5	56.1	J	ug/Kg	☼	69	43 - 123	5	25
Aldrin	ND	F1	34.5	ND	F1	ug/Kg	☼	0	37 - 125	NC	12
alpha-BHC	ND		34.5	29.1	J	ug/Kg	☼	84	39 - 120	6	15
cis-Chlordane	ND	F1	34.5	ND	F1	ug/Kg	☼	0	35 - 120	NC	23
beta-BHC	ND		34.5	28.6	J	ug/Kg	☼	83	36 - 120	10	19
delta-BHC	ND		34.5	33.8	J	ug/Kg	☼	98	34 - 120	14	14
Dieldrin	ND	F2	34.5	20.4	J F2	ug/Kg	☼	59	45 - 120	16	12
Endosulfan I	ND	F1	34.5	ND	F1	ug/Kg	☼	0	39 - 120	NC	18
Endosulfan II	ND		34.5	20.0	J	ug/Kg	☼	58	34 - 126	8	26
Endosulfan sulfate	ND		34.5	19.0	J	ug/Kg	☼	55	27 - 130	14	35
Endrin	ND		34.5	27.2	J	ug/Kg	☼	79	47 - 121	8	20
Endrin aldehyde	ND	F1	34.5	ND	F1	ug/Kg	☼	0	33 - 123	NC	47
Endrin ketone	ND		34.5	28.4	J	ug/Kg	☼	82	43 - 126	24	37
gamma-BHC (Lindane)	ND		34.5	32.1	J	ug/Kg	☼	93	50 - 120	2	12
trans-Chlordane	ND	F1	34.5	ND	F1	ug/Kg	☼	0	31 - 120	NC	15
Heptachlor	ND		34.5	31.6	J	ug/Kg	☼	91	42 - 120	5	22
Heptachlor epoxide	ND	F1	34.5	ND	F1	ug/Kg	☼	0	40 - 120	NC	15
Methoxychlor	ND		34.5	49.8	J	ug/Kg	☼	144	44 - 150	6	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	151	S1+	45 - 120
DCB Decachlorobiphenyl	255	S1+	45 - 120
Tetrachloro-m-xylene	0	S1-	30 - 124
Tetrachloro-m-xylene	0	S1-	30 - 124

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 410-674180/1-A
Matrix: Solid
Analysis Batch: 674459

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674180

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0053	mg/Kg		07/21/25 17:00	07/22/25 10:19	1
PCB-1221	ND		0.017	0.0053	mg/Kg		07/21/25 17:00	07/22/25 10:19	1
PCB-1232	ND		0.017	0.0053	mg/Kg		07/21/25 17:00	07/22/25 10:19	1
PCB-1242	ND		0.017	0.0053	mg/Kg		07/21/25 17:00	07/22/25 10:19	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 410-674180/1-A
Matrix: Solid
Analysis Batch: 674459

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674180

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.017	0.0053	mg/Kg		07/21/25 17:00	07/22/25 10:19	1
PCB-1254	ND		0.017	0.0064	mg/Kg		07/21/25 17:00	07/22/25 10:19	1
PCB-1260	ND		0.017	0.0064	mg/Kg		07/21/25 17:00	07/22/25 10:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*68 - 130*	*07/21/25 17:00*	*07/22/25 10:19*	*1*
Tetrachloro-m-xylene	*88*		*68 - 130*	*07/21/25 17:00*	*07/22/25 10:19*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*66 - 130*	*07/21/25 17:00*	*07/22/25 10:19*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*66 - 130*	*07/21/25 17:00*	*07/22/25 10:19*	*1*

Lab Sample ID: LCS 410-674180/2-A
Matrix: Solid
Analysis Batch: 674459

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674180

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			0.167	0.145		mg/Kg		87	68 - 121		
PCB-1260			0.167	0.151		mg/Kg		90	75 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*92*		*68 - 130*
Tetrachloro-m-xylene	*88*		*68 - 130*
DCB Decachlorobiphenyl (Surr)	*96*		*66 - 130*
DCB Decachlorobiphenyl (Surr)	*107*		*66 - 130*

Lab Sample ID: 480-231006-3 MS
Matrix: Solid
Analysis Batch: 674459

Client Sample ID: SB1-12'-48"
Prep Type: Total/NA
Prep Batch: 674180

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		0.177	0.137		mg/Kg	☼	78	68 - 121		
PCB-1260	ND	F1	0.177	0.128	F1	mg/Kg	☼	72	75 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*96*		*68 - 130*
Tetrachloro-m-xylene	*57*	*S1- p*	*68 - 130*
DCB Decachlorobiphenyl (Surr)	*72*		*66 - 130*
DCB Decachlorobiphenyl (Surr)	*68*		*66 - 130*

Lab Sample ID: 480-231006-3 MSD
Matrix: Solid
Analysis Batch: 674459

Client Sample ID: SB1-12'-48"
Prep Type: Total/NA
Prep Batch: 674180

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND	F1	0.176	0.135		mg/Kg	☼	77	68 - 121	38	50
PCB-1260	ND	F1	0.176	0.127	F1	mg/Kg	☼	72	75 - 130	1	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 480-231006-3 MSD
Matrix: Solid
Analysis Batch: 674459

Client Sample ID: SB1-12'-48"
Prep Type: Total/NA
Prep Batch: 674180

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	*91*		*68 - 130*
Tetrachloro-m-xylene	*55*	*S1- p*	*68 - 130*
DCB Decachlorobiphenyl (Surr)	*76*		*66 - 130*
DCB Decachlorobiphenyl (Surr)	*65*	*S1-*	*66 - 130*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-752177/1-A
Matrix: Solid
Analysis Batch: 752508

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 752177

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		17	5.3	ug/Kg		07/19/25 05:38	07/23/25 20:10	1
Silvex (2,4,5-TP)	ND		17	6.0	ug/Kg		07/19/25 05:38	07/23/25 20:10	1
2,4-D	ND		17	11	ug/Kg		07/19/25 05:38	07/23/25 20:10	1
Dichlorprop	ND		17	8.3	ug/Kg		07/19/25 05:38	07/23/25 20:10	1
Pentachlorophenol	ND		17	5.4	ug/Kg		07/19/25 05:38	07/23/25 20:10	1
Picloram	ND		17	7.2	ug/Kg		07/19/25 05:38	07/23/25 20:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	*64*		*28 - 129*	*07/19/25 05:38*	*07/23/25 20:10*	*1*
2,4-Dichlorophenylacetic acid	*59*		*28 - 129*	*07/19/25 05:38*	*07/23/25 20:10*	*1*

Lab Sample ID: LCS 480-752177/2-A
Matrix: Solid
Analysis Batch: 752508

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 752177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-T	66.7	51.6		ug/Kg		77	41 - 120
Silvex (2,4,5-TP)	66.7	51.4		ug/Kg		77	39 - 125
2,4-D	66.7	52.1		ug/Kg		78	40 - 120
Dichlorprop	66.7	55.1		ug/Kg		83	34 - 121
Pentachlorophenol	66.7	28.7		ug/Kg		43	10 - 120
Picloram	66.7	46.1		ug/Kg		69	22 - 149

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	*86*		*28 - 129*
2,4-Dichlorophenylacetic acid	*74*		*28 - 129*

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Lab Sample ID: MB 410-671022/4-A
Matrix: Water
Analysis Batch: 670538

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671022

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		07/14/25 15:43	07/15/25 16:50	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		07/14/25 15:43	07/15/25 16:50	1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-671022/4-A
Matrix: Water
Analysis Batch: 670538

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671022

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		07/14/25 15:43	07/15/25 16:50	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		07/14/25 15:43	07/15/25 16:50	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
Perfluorotridecanoic acid (PFTrDA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		07/14/25 15:43	07/15/25 16:50	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		07/14/25 15:43	07/15/25 16:50	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		07/14/25 15:43	07/15/25 16:50	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		07/14/25 15:43	07/15/25 16:50	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		07/14/25 15:43	07/15/25 16:50	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		07/14/25 15:43	07/15/25 16:50	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	2.5	ng/L		07/14/25 15:43	07/15/25 16:50	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		07/14/25 15:43	07/15/25 16:50	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		07/14/25 15:43	07/15/25 16:50	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-671022/4-A
Matrix: Water
Analysis Batch: 670538

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671022

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.50	ng/L		07/14/25 15:43	07/15/25 16:50	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		07/14/25 15:43	07/15/25 16:50	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		07/14/25 15:43	07/15/25 16:50	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		07/14/25 15:43	07/15/25 16:50	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*102*		*5 - 130*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
13C5 PFPeA	*109*		*40 - 130*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
13C5 PFHxA	*96.0*		*40 - 130*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
13C4 PFHpA	*95.6*		*40 - 130*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
13C8 PFOA	*103*		*40 - 130*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
13C9 PFNA	*108*		*40 - 130*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
13C6 PFDA	*97.5*		*40 - 130*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
13C7 PFUnA	*97.4*		*30 - 130*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
13C2 PFTeDA	*91.1*		*10 - 130*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
13C3 PFBS	*110*		*40 - 135*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
13C3 PFHxS	*106*		*40 - 130*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
13C8 PFOS	*117*		*40 - 130*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
13C8 FOSA	*111*		*40 - 130*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
d3-NMeFOSAA	*94.1*		*40 - 170*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
d5-NEtFOSAA	*94.1*		*25 - 135*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
13C2 4:2 FTS	*106*		*40 - 200*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
13C2 6:2 FTS	*104*		*40 - 200*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
13C2 8:2 FTS	*99.7*		*40 - 300*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
13C3 HFPO-DA	*86.5*		*40 - 130*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
d7-N-MeFOSE-M	*85.7*		*10 - 130*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
d9-N-EtFOSE-M	*79.7*		*10 - 130*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
d5-NEtPFOSA	*92.0*		*10 - 130*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
d3-NMePFOSA	*83.6*		*10 - 130*	*07/14/25 15:43*	*07/15/25 16:50*	*1*
13C2 PFDoA	*81.9*		*10 - 130*	*07/14/25 15:43*	*07/15/25 16:50*	*1*

Lab Sample ID: LCS 410-671022/5-A
Matrix: Water
Analysis Batch: 671236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671022

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	71.8		ng/L		90	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	34.2		ng/L		85	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	36.8		ng/L		92	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	36.0		ng/L		90	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	33.8		ng/L		85	70 - 150
Perfluorononanoic acid (PFNA)	40.0	35.8		ng/L		89	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	36.6		ng/L		91	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	35.0		ng/L		88	70 - 145

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-671022/5-A
Matrix: Water
Analysis Batch: 671236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671022

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorododecanoic acid (PFDoA)	40.0	35.3		ng/L		88	70 - 140
Perfluorotridecanoic acid (PFTrDA)	40.0	36.2		ng/L		91	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	33.2		ng/L		83	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	30.6		ng/L		86	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	35.0		ng/L		93	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	33.5		ng/L		92	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	35.1		ng/L		92	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	34.8		ng/L		93	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	35.1		ng/L		91	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	34.5		ng/L		90	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	31.8		ng/L		82	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	70.3		ng/L		94	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	74.5		ng/L		98	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	71.3		ng/L		93	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	34.8		ng/L		87	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	37.8		ng/L		95	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	35.1		ng/L		88	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	37.4		ng/L		94	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	37.6		ng/L		94	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	185		ng/L		92	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	190		ng/L		95	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.0	26.1		ng/L		87	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	33.9		ng/L		90	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	38.3		ng/L		96	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	34.8		ng/L		87	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	40.7		ng/L		102	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	31.9		ng/L		85	70 - 155

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-671022/5-A
Matrix: Water
Analysis Batch: 671236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671022

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			37.8	33.3		ng/L		88	55 - 160		
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)			35.7	32.6		ng/L		91	70 - 140		
3-Perfluoropropylpropanoic acid (3:3 FTCA)			80.0	66.6		ng/L		83	65 - 130		
3-Perfluoropentylpropanoic acid (5:3 FTCA)			200	162		ng/L		81	70 - 135		
3-Perfluoroheptylpropanoic acid (7:3 FTCA)			200	143		ng/L		71	50 - 145		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*121*		*5 - 130*
13C5 PFPeA	*134*	*5+	*40 - 130*
13C5 PFHxA	*118*		*40 - 130*
13C4 PFHpA	*114*		*40 - 130*
13C8 PFOA	*109*		*40 - 130*
13C9 PFNA	*99.6*		*40 - 130*
13C6 PFDA	*98.7*		*40 - 130*
13C7 PFUnA	*122*		*30 - 130*
13C2 PFTeDA	*109*		*10 - 130*
13C3 PFBS	*108*		*40 - 135*
13C3 PFHxS	*103*		*40 - 130*
13C8 PFOS	*94.4*		*40 - 130*
13C8 FOSA	*94.6*		*40 - 130*
d3-NMeFOSAA	*91.8*		*40 - 170*
d5-NEtFOSAA	*91.4*		*25 - 135*
13C2 4:2 FTS	*111*		*40 - 200*
13C2 6:2 FTS	*105*		*40 - 200*
13C2 8:2 FTS	*102*		*40 - 300*
13C3 HFPO-DA	*117*		*40 - 130*
d7-N-MeFOSE-M	*79.6*		*10 - 130*
d9-N-EtFOSE-M	*72.1*		*10 - 130*
d5-NEtPFOSA	*76.3*		*10 - 130*
d3-NMePFOSA	*71.7*		*10 - 130*
13C2 PFDoA	*113*		*10 - 130*

Lab Sample ID: LCSD 410-671022/6-A
Matrix: Water
Analysis Batch: 671236

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 671022

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			80.0	62.6		ng/L		78	70 - 140	14	30
Perfluoropentanoic acid (PFPeA)			40.0	30.9		ng/L		77	65 - 135	10	30
Perfluorohexanoic acid (PFHxA)			40.0	30.0		ng/L		75	70 - 145	20	30
Perfluoroheptanoic acid (PFHpA)			40.0	31.3		ng/L		78	70 - 150	14	30
Perfluorooctanoic acid (PFOA)			40.0	29.3		ng/L		73	70 - 150	14	30
Perfluorononanoic acid (PFNA)			40.0	31.9		ng/L		80	70 - 150	11	30
Perfluorodecanoic acid (PFDA)			40.0	34.9		ng/L		87	70 - 140	5	30

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCSD 410-671022/6-A
Matrix: Water
Analysis Batch: 671236

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 671022

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoroundecanoic acid (PFUnA)			40.0	31.8		ng/L		79	70 - 145	10	30
Perfluorododecanoic acid (PFDoA)			40.0	31.8		ng/L		79	70 - 140	10	30
Perfluorotridecanoic acid (PFTrDA)			40.0	30.6		ng/L		76	65 - 140	17	30
Perfluorotetradecanoic acid (PFTeDA)			40.0	30.8		ng/L		77	60 - 140	8	30
Perfluorobutanesulfonic acid (PFBS)			35.5	27.9		ng/L		79	60 - 145	9	30
Perfluoropentanesulfonic acid (PFPeS)			37.6	30.6		ng/L		81	65 - 140	14	30
Perfluorohexanesulfonic acid (PFHxS)			36.5	29.1		ng/L		80	65 - 145	14	30
Perfluoroheptanesulfonic acid (PFHpS)			38.2	31.4		ng/L		82	70 - 150	11	30
Perfluorooctanesulfonic acid (PFOS)			37.2	29.5		ng/L		79	55 - 150	16	30
Perfluorononanesulfonic acid (PFNS)			38.5	29.9		ng/L		78	65 - 145	16	30
Perfluorodecanesulfonic acid (PFDS)			38.6	30.2		ng/L		78	60 - 145	13	30
Perfluorododecanesulfonic acid (PFDoS)			38.8	28.9		ng/L		74	50 - 145	10	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)			75.0	61.8		ng/L		82	70 - 145	13	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)			76.2	67.3		ng/L		88	65 - 155	10	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)			76.8	66.9		ng/L		87	60 - 150	6	30
Perfluorooctanesulfonamide (PFOSA)			40.0	31.6		ng/L		79	70 - 145	9	30
N-methylperfluorooctane sulfonamide (NMeFOSA)			40.0	38.6		ng/L		96	60 - 150	2	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)			40.0	32.6		ng/L		82	65 - 145	7	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			40.0	32.4		ng/L		81	50 - 140	14	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			40.0	32.8		ng/L		82	70 - 145	14	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)			200	173		ng/L		86	70 - 145	6	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)			200	171		ng/L		86	70 - 135	10	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)			30.0	24.9		ng/L		83	70 - 140	4	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			37.8	31.8		ng/L		84	65 - 145	6	30
Perfluoro-3-methoxypropanoic acid (PFMPA)			40.0	32.6		ng/L		81	55 - 140	16	30
Perfluoro-4-methoxybutanoic acid (PFMBA)			40.0	30.2		ng/L		76	60 - 150	14	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)			40.0	33.2		ng/L		83	50 - 150	20	30

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCSD 410-671022/6-A
Matrix: Water
Analysis Batch: 671236

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 671022

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)			37.4	27.3		ng/L		73	70 - 155	15	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			37.8	29.1		ng/L		77	55 - 160	14	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)			35.7	30.4		ng/L		85	70 - 140	7	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)			80.0	59.3		ng/L		74	65 - 130	12	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)			200	141		ng/L		70	70 - 135	14	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)			200	131		ng/L		65	50 - 145	9	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*115*		*5 - 130*
13C5 PFPeA	*125*		*40 - 130*
13C5 PFHxA	*115*		*40 - 130*
13C4 PFHpA	*111*		*40 - 130*
13C8 PFOA	*111*		*40 - 130*
13C9 PFNA	*107*		*40 - 130*
13C6 PFDA	*96.0*		*40 - 130*
13C7 PFUnA	*130*		*30 - 130*
13C2 PFTeDA	*114*		*10 - 130*
13C3 PFBS	*108*		*40 - 135*
13C3 PFHxS	*104*		*40 - 130*
13C8 PFOS	*103*		*40 - 130*
13C8 FOSA	*93.2*		*40 - 130*
d3-NMeFOSAA	*98.4*		*40 - 170*
d5-NEtFOSAA	*96.1*		*25 - 135*
13C2 4:2 FTS	*109*		*40 - 200*
13C2 6:2 FTS	*104*		*40 - 200*
13C2 8:2 FTS	*98.5*		*40 - 300*
13C3 HFPO-DA	*109*		*40 - 130*
d7-N-MeFOSE-M	*75.6*		*10 - 130*
d9-N-EtFOSE-M	*71.6*		*10 - 130*
d5-NEtPFOSA	*77.1*		*10 - 130*
d3-NMePFOSA	*72.2*		*10 - 130*
13C2 PFDoA	*113*		*10 - 130*

Lab Sample ID: LLCS 410-671022/7-A
Matrix: Water
Analysis Batch: 671236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671022

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)			8.00	7.05		ng/L		88	70 - 140
Perfluoropentanoic acid (PFPeA)			4.00	3.78		ng/L		94	65 - 135
Perfluorohexanoic acid (PFHxA)			4.00	3.79		ng/L		95	70 - 145
Perfluoroheptanoic acid (PFHpA)			4.00	3.37		ng/L		84	70 - 150
Perfluorooctanoic acid (PFOA)			4.00	4.21		ng/L		105	70 - 150

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-671022/7-A
Matrix: Water
Analysis Batch: 671236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671022

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanoic acid (PFNA)	4.00	4.06		ng/L		102	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	3.14		ng/L		79	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	3.67		ng/L		92	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	3.56		ng/L		89	70 - 140
Perfluorotridecanoic acid (PFTrDA)	4.00	3.66		ng/L		92	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	3.95		ng/L		99	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.36		ng/L		95	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.77		ng/L		100	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.40		ng/L		93	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.82	3.66		ng/L		96	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	4.06		ng/L		109	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.61		ng/L		94	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.22		ng/L		83	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	3.23		ng/L		83	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	6.97		ng/L		93	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	7.45		ng/L		98	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	7.03		ng/L		92	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	4.04		ng/L		101	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	3.76		ng/L		94	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	3.27		ng/L		82	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	3.48		ng/L		87	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	3.34		ng/L		84	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	18.1		ng/L		91	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	19.5		ng/L		98	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.00	2.67		ng/L		89	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.43		ng/L		91	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	3.58		ng/L		89	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.47		ng/L		87	60 - 150

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-671022/7-A
Matrix: Water
Analysis Batch: 671236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671022

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	3.87		ng/L		97	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	3.49		ng/L		93	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	3.31		ng/L		88	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.57	3.37		ng/L		94	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	6.43		ng/L		80	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	16.1		ng/L		81	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	13.9		ng/L		69	50 - 145

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*120*		*5 - 130*
13C5 PFPeA	*137*	*5+	*40 - 130*
13C5 PFHxA	*124*		*40 - 130*
13C4 PFHpA	*130*		*40 - 130*
13C8 PFOA	*113*		*40 - 130*
13C9 PFNA	*112*		*40 - 130*
13C6 PFDA	*111*		*40 - 130*
13C7 PFUnA	*116*		*30 - 130*
13C2 PFTeDA	*119*		*10 - 130*
13C3 PFBS	*122*		*40 - 135*
13C3 PFHxS	*117*		*40 - 130*
13C8 PFOS	*116*		*40 - 130*
13C8 FOSA	*102*		*40 - 130*
d3-NMeFOSAA	*107*		*40 - 170*
d5-NEtFOSAA	*106*		*25 - 135*
13C2 4:2 FTS	*118*		*40 - 200*
13C2 6:2 FTS	*115*		*40 - 200*
13C2 8:2 FTS	*111*		*40 - 300*
13C3 HFPO-DA	*125*		*40 - 130*
d7-N-MeFOSE-M	*84.2*		*10 - 130*
d9-N-EtFOSE-M	*73.4*		*10 - 130*
d5-NEtPFOSA	*83.7*		*10 - 130*
d3-NMePFOSA	*75.5*		*10 - 130*
13C2 PFDoA	*119*		*10 - 130*

Lab Sample ID: MB 410-673310/1-A
Matrix: Solid
Analysis Batch: 673901

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 673310

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.13	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060	ng/g		07/18/25 14:16	07/21/25 10:43	1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-673310/1-A
Matrix: Solid
Analysis Batch: 673901

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 673310

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.070	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.060	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.060	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.070	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.070	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.070	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.070	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.070	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060	ng/g		07/18/25 14:16	07/21/25 10:43	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10	ng/g		07/18/25 14:16	07/21/25 10:43	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g		07/18/25 14:16	07/21/25 10:43	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.090	ng/g		07/18/25 14:16	07/21/25 10:43	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.090	ng/g		07/18/25 14:16	07/21/25 10:43	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10	ng/g		07/18/25 14:16	07/21/25 10:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.080	ng/g		07/18/25 14:16	07/21/25 10:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g		07/18/25 14:16	07/21/25 10:43	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.30	ng/g		07/18/25 14:16	07/21/25 10:43	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.30	ng/g		07/18/25 14:16	07/21/25 10:43	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g		07/18/25 14:16	07/21/25 10:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.070	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g		07/18/25 14:16	07/21/25 10:43	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.070	ng/g		07/18/25 14:16	07/21/25 10:43	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.090	ng/g		07/18/25 14:16	07/21/25 10:43	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.080	ng/g		07/18/25 14:16	07/21/25 10:43	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050	ng/g		07/18/25 14:16	07/21/25 10:43	1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-673310/1-A
Matrix: Solid
Analysis Batch: 673901

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 673310

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g		07/18/25 14:16	07/21/25 10:43	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50	ng/g		07/18/25 14:16	07/21/25 10:43	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.40	ng/g		07/18/25 14:16	07/21/25 10:43	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*111*		*8 - 130*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
13C5 PFPeA	*111*		*35 - 130*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
13C5 PFHxA	*106*		*40 - 130*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
13C4 PFHpA	*103*		*40 - 130*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
13C8 PFOA	*109*		*40 - 130*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
13C9 PFNA	*108*		*40 - 130*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
13C6 PFDA	*107*		*40 - 130*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
13C7 PFUnA	*110*		*40 - 130*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
13C2 PFTeDA	*107*		*20 - 130*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
13C3 PFBS	*109*		*40 - 135*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
13C3 PFHxS	*108*		*40 - 130*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
13C8 PFOS	*105*		*40 - 130*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
13C8 FOSA	*98.5*		*40 - 130*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
d3-NMeFOSAA	*112*		*40 - 135*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
d5-NEtFOSAA	*111*		*40 - 150*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
13C2 4:2 FTS	*126*		*40 - 165*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
13C2 6:2 FTS	*128*		*40 - 215*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
13C2 8:2 FTS	*120*		*40 - 275*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
13C3 HFPO-DA	*105*		*40 - 130*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
d7-N-MeFOSE-M	*72.4*		*20 - 130*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
d9-N-EtFOSE-M	*61.0*		*15 - 130*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
d5-NEtPFOSA	*84.7*		*10 - 130*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
d3-NMePFOSA	*85.9*		*10 - 130*	*07/18/25 14:16*	*07/21/25 10:43*	*1*
13C2 PFDoA	*109*		*40 - 130*	*07/18/25 14:16*	*07/21/25 10:43*	*1*

Lab Sample ID: LCS 410-673310/2-A
Matrix: Solid
Analysis Batch: 673901

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 673310

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	5.00	4.08		ng/g		82	70 - 140
Perfluoropentanoic acid (PFPeA)	2.50	1.86		ng/g		74	60 - 150
Perfluorohexanoic acid (PFHxA)	2.50	1.96		ng/g		78	65 - 140
Perfluoroheptanoic acid (PFHpA)	2.50	1.96		ng/g		78	65 - 145
Perfluorooctanoic acid (PFOA)	2.50	1.79		ng/g		72	70 - 150
Perfluorononanoic acid (PFNA)	2.50	1.99		ng/g		80	70 - 155
Perfluorodecanoic acid (PFDA)	2.50	2.08		ng/g		83	70 - 155
Perfluoroundecanoic acid (PFUnA)	2.50	1.95		ng/g		78	70 - 155
Perfluorododecanoic acid (PFDoA)	2.50	2.09		ng/g		84	70 - 150

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-673310/2-A
Matrix: Solid
Analysis Batch: 673901

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 673310

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorotridecanoic acid (PFTrDA)	2.50	1.92		ng/g		77	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.50	1.79		ng/g		72	65 - 150
Perfluorobutanesulfonic acid (PFBS)	2.22	1.65		ng/g		74	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	2.35	1.95		ng/g		83	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	2.28	1.74		ng/g		76	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.39	1.82		ng/g		76	65 - 155
Perfluorooctanesulfonic acid (PFOS)	2.33	1.79		ng/g		77	65 - 160
Perfluorononanesulfonic acid (PFNS)	2.41	1.75		ng/g		73	55 - 140
Perfluorodecanesulfonic acid (PFDS)	2.41	1.81		ng/g		75	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	2.43	1.62		ng/g		67	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.69	4.10		ng/g		87	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.76	4.19		ng/g		88	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.80	4.13		ng/g		86	70 - 150
Perfluorooctanesulfonamide (PFOSA)	2.50	2.18		ng/g		87	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	1.98		ng/g		79	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	1.83		ng/g		73	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	1.86		ng/g		74	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	2.51		ng/g		100	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.5	11.0		ng/g		88	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.5	11.3		ng/g		91	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.88	1.59		ng/g		85	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.37	1.90		ng/g		81	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.50	1.82		ng/g		73	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.50	1.74		ng/g		69	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.50	1.87		ng/g		75	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.34	1.66		ng/g		71	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.36	1.73		ng/g		73	45 - 160

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-673310/2-A
Matrix: Solid
Analysis Batch: 673901

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 673310

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.23	1.83		ng/g		82	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	5.00	3.85		ng/g		77	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.5	9.00		ng/g		72	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.5	8.09		ng/g		65	60 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*111*		*8 - 130*
13C5 PFPeA	*117*		*35 - 130*
13C5 PFHxA	*108*		*40 - 130*
13C4 PFHpA	*97.3*		*40 - 130*
13C8 PFOA	*107*		*40 - 130*
13C9 PFNA	*106*		*40 - 130*
13C6 PFDA	*97.2*		*40 - 130*
13C7 PFUnA	*106*		*40 - 130*
13C2 PFTeDA	*104*		*20 - 130*
13C3 PFBS	*102*		*40 - 135*
13C3 PFHxS	*101*		*40 - 130*
13C8 PFOS	*102*		*40 - 130*
13C8 FOSA	*98.0*		*40 - 130*
d3-NMeFOSAA	*109*		*40 - 135*
d5-NEtFOSAA	*104*		*40 - 150*
13C2 4:2 FTS	*118*		*40 - 165*
13C2 6:2 FTS	*118*		*40 - 215*
13C2 8:2 FTS	*110*		*40 - 275*
13C3 HFPO-DA	*101*		*40 - 130*
d7-N-MeFOSE-M	*73.5*		*20 - 130*
d9-N-EtFOSE-M	*64.1*		*15 - 130*
d5-NEtPFOSA	*79.4*		*10 - 130*
d3-NMePFOSA	*75.8*		*10 - 130*
13C2 PFDoA	*94.1*		*40 - 130*

Lab Sample ID: LLCS 410-673310/3-A
Matrix: Solid
Analysis Batch: 673475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 673310

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.500	0.479		ng/g		96	70 - 140
Perfluoropentanoic acid (PFPeA)	0.250	0.232		ng/g		93	60 - 150
Perfluorohexanoic acid (PFHxA)	0.250	0.233		ng/g		93	65 - 140
Perfluoroheptanoic acid (PFHpA)	0.250	0.233		ng/g		93	65 - 145
Perfluorooctanoic acid (PFOA)	0.250	0.215		ng/g		86	70 - 150
Perfluorononanoic acid (PFNA)	0.250	0.252		ng/g		101	70 - 155
Perfluorodecanoic acid (PFDA)	0.250	0.237		ng/g		95	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.250	0.216		ng/g		86	70 - 155

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-673310/3-A
Matrix: Solid
Analysis Batch: 673475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 673310

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorododecanoic acid (PFDoA)	0.250	0.244		ng/g		98	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.250	0.214		ng/g		86	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.250	0.250		ng/g		100	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.222	0.208		ng/g		94	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.235	0.246		ng/g		105	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.228	0.216		ng/g		95	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.239	0.226		ng/g		95	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.233	0.232		ng/g		100	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.241	0.224		ng/g		93	55 - 140
Perfluorodecanesulfonic acid (PFDS)	0.241	0.207		ng/g		86	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	0.243	0.181	J	ng/g		75	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.477		ng/g		102	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.452		ng/g		95	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.439		ng/g		91	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.250	0.261		ng/g		104	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.250	0.263		ng/g		105	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.250	0.223		ng/g		89	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.250	0.221		ng/g		88	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.250	0.241		ng/g		96	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.31		ng/g		105	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.27		ng/g		101	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.188	0.164	J	ng/g		88	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.237	0.217		ng/g		92	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.234		ng/g		94	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.227		ng/g		91	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.241		ng/g		96	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.234	0.210		ng/g		90	70 - 150

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-673310/3-A
Matrix: Solid
Analysis Batch: 673475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 673310

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.236	0.198	J	ng/g		84	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.223	0.197	J	ng/g		88	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.500	0.458		ng/g		92	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.25	1.01		ng/g		81	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.25	0.859	J	ng/g		69	60 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*115*		*8 - 130*
13C5 PFPeA	*123*		*35 - 130*
13C5 PFHxA	*122*		*40 - 130*
13C4 PFHpA	*113*		*40 - 130*
13C8 PFOA	*116*		*40 - 130*
13C9 PFNA	*109*		*40 - 130*
13C6 PFDA	*110*		*40 - 130*
13C7 PFUnA	*117*		*40 - 130*
13C2 PFTeDA	*104*		*20 - 130*
13C3 PFBS	*114*		*40 - 135*
13C3 PFHxS	*111*		*40 - 130*
13C8 PFOS	*111*		*40 - 130*
13C8 FOSA	*99.0*		*40 - 130*
d3-NMeFOSAA	*106*		*40 - 135*
d5-NEtFOSAA	*93.8*		*40 - 150*
13C2 4:2 FTS	*120*		*40 - 165*
13C2 6:2 FTS	*124*		*40 - 215*
13C2 8:2 FTS	*117*		*40 - 275*
13C3 HFPO-DA	*119*		*40 - 130*
d7-N-MeFOSE-M	*69.6*		*20 - 130*
d9-N-EtFOSE-M	*59.2*		*15 - 130*
d5-NEtPFOSA	*70.1*		*10 - 130*
d3-NMePFOSA	*70.4*		*10 - 130*
13C2 PFDoA	*116*		*40 - 130*

Lab Sample ID: MB 410-674050/1-A
Matrix: Solid
Analysis Batch: 675863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674050

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.13	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.070	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.060	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.060	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g		07/21/25 14:12	07/25/25 00:39	1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-674050/1-A
Matrix: Solid
Analysis Batch: 675863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674050

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.070	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.070	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.070	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.070	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.070	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060	ng/g		07/21/25 14:12	07/25/25 00:39	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10	ng/g		07/21/25 14:12	07/25/25 00:39	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13	ng/g		07/21/25 14:12	07/25/25 00:39	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.090	ng/g		07/21/25 14:12	07/25/25 00:39	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.090	ng/g		07/21/25 14:12	07/25/25 00:39	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10	ng/g		07/21/25 14:12	07/25/25 00:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.080	ng/g		07/21/25 14:12	07/25/25 00:39	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11	ng/g		07/21/25 14:12	07/25/25 00:39	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.30	ng/g		07/21/25 14:12	07/25/25 00:39	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.30	ng/g		07/21/25 14:12	07/25/25 00:39	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11	ng/g		07/21/25 14:12	07/25/25 00:39	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.070	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g		07/21/25 14:12	07/25/25 00:39	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.070	ng/g		07/21/25 14:12	07/25/25 00:39	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.090	ng/g		07/21/25 14:12	07/25/25 00:39	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.080	ng/g		07/21/25 14:12	07/25/25 00:39	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050	ng/g		07/21/25 14:12	07/25/25 00:39	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g		07/21/25 14:12	07/25/25 00:39	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50	ng/g		07/21/25 14:12	07/25/25 00:39	1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-674050/1-A
Matrix: Solid
Analysis Batch: 675863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674050

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.40	ng/g		07/21/25 14:12	07/25/25 00:39	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*65.6*		*8 - 130*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
13C5 PFPeA	*67.4*		*35 - 130*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
13C5 PFHxA	*63.0*		*40 - 130*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
13C4 PFHpA	*55.2*		*40 - 130*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
13C8 PFOA	*58.3*		*40 - 130*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
13C9 PFNA	*66.5*		*40 - 130*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
13C6 PFDA	*63.6*		*40 - 130*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
13C7 PFUnA	*77.2*		*40 - 130*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
13C2 PFTeDA	*69.9*		*20 - 130*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
13C3 PFBS	*60.7*		*40 - 135*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
13C3 PFHxS	*66.1*		*40 - 130*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
13C8 PFOS	*69.9*		*40 - 130*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
13C8 FOSA	*58.5*		*40 - 130*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
d3-NMeFOSAA	*69.7*		*40 - 135*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
d5-NEtFOSAA	*73.4*		*40 - 150*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
13C2 4:2 FTS	*59.9*		*40 - 165*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
13C2 6:2 FTS	*60.0*		*40 - 215*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
13C2 8:2 FTS	*62.7*		*40 - 275*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
13C3 HFPO-DA	*60.5*		*40 - 130*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
d7-N-MeFOSE-M	*36.2*		*20 - 130*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
d9-N-EtFOSE-M	*38.0*		*15 - 130*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
d5-NEtPFOSA	*53.6*		*10 - 130*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
d3-NMePFOSA	*49.0*		*10 - 130*	*07/21/25 14:12*	*07/25/25 00:39*	*1*
13C2 PFDoA	*79.0*		*40 - 130*	*07/21/25 14:12*	*07/25/25 00:39*	*1*

Lab Sample ID: LCS 410-674050/2-A
Matrix: Solid
Analysis Batch: 675863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674050

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	5.00	5.02		ng/g		100	70 - 140
Perfluoropentanoic acid (PFPeA)	2.50	2.04		ng/g		82	60 - 150
Perfluorohexanoic acid (PFHxA)	2.50	2.19		ng/g		88	65 - 140
Perfluoroheptanoic acid (PFHpA)	2.50	2.42		ng/g		97	65 - 145
Perfluorooctanoic acid (PFOA)	2.50	2.38		ng/g		95	70 - 150
Perfluorononanoic acid (PFNA)	2.50	2.07		ng/g		83	70 - 155
Perfluorodecanoic acid (PFDA)	2.50	2.29		ng/g		92	70 - 155
Perfluoroundecanoic acid (PFUnA)	2.50	2.23		ng/g		89	70 - 155
Perfluorododecanoic acid (PFDoA)	2.50	2.29		ng/g		91	70 - 150
Perfluorotridecanoic acid (PFTrDA)	2.50	2.27		ng/g		91	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.50	2.23		ng/g		89	65 - 150

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-674050/2-A
Matrix: Solid
Analysis Batch: 675863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674050

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanesulfonic acid (PFBS)	2.22	1.85		ng/g		83	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	2.35	2.13		ng/g		91	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	2.28	1.86		ng/g		81	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.39	2.02		ng/g		85	65 - 155
Perfluorooctanesulfonic acid (PFOS)	2.33	1.90		ng/g		82	65 - 160
Perfluorononanesulfonic acid (PFNS)	2.41	1.96		ng/g		82	55 - 140
Perfluorodecanesulfonic acid (PFDS)	2.41	1.75		ng/g		73	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	2.43	1.51		ng/g		62	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.69	4.46		ng/g		95	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.76	4.71		ng/g		99	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.80	4.66		ng/g		97	70 - 150
Perfluorooctanesulfonamide (PFOSA)	2.50	2.50		ng/g		100	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	2.21		ng/g		88	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	2.31		ng/g		92	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	1.97		ng/g		79	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	2.30		ng/g		92	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.5	12.7		ng/g		102	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.5	12.2		ng/g		97	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.88	1.83		ng/g		98	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.37	2.13		ng/g		90	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.50	2.38		ng/g		95	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.50	2.10		ng/g		84	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.50	2.19		ng/g		88	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.34	1.76		ng/g		75	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.36	1.79		ng/g		76	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.23	1.83		ng/g		82	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	5.00	4.24		ng/g		85	45 - 130

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-674050/2-A
Matrix: Solid
Analysis Batch: 675863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674050

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
3-Perfluoropentylpropanoic acid (5:3 FTCA)			12.5	10.2		ng/g		82	60 - 130		
3-Perfluoroheptylpropanoic acid (7:3 FTCA)			12.5	9.10		ng/g		73	60 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*84.4*		*8 - 130*
13C5 PFPeA	*96.4*		*35 - 130*
13C5 PFHxA	*91.0*		*40 - 130*
13C4 PFHpA	*83.5*		*40 - 130*
13C8 PFOA	*82.6*		*40 - 130*
13C9 PFNA	*94.0*		*40 - 130*
13C6 PFDA	*81.0*		*40 - 130*
13C7 PFUnA	*90.7*		*40 - 130*
13C2 PFTeDA	*74.8*		*20 - 130*
13C3 PFBS	*90.8*		*40 - 135*
13C3 PFHxS	*85.9*		*40 - 130*
13C8 PFOS	*85.0*		*40 - 130*
13C8 FOSA	*79.0*		*40 - 130*
d3-NMeFOSAA	*86.2*		*40 - 135*
d5-NEtFOSAA	*83.7*		*40 - 150*
13C2 4:2 FTS	*88.6*		*40 - 165*
13C2 6:2 FTS	*88.1*		*40 - 215*
13C2 8:2 FTS	*83.4*		*40 - 275*
13C3 HFPO-DA	*86.2*		*40 - 130*
d7-N-MeFOSE-M	*44.0*		*20 - 130*
d9-N-EtFOSE-M	*39.9*		*15 - 130*
d5-NEtPFOSA	*56.4*		*10 - 130*
d3-NMePFOSA	*62.4*		*10 - 130*
13C2 PFDoA	*80.8*		*40 - 130*

Lab Sample ID: LLCS 410-674050/3-A
Matrix: Solid
Analysis Batch: 675863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674050

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorobutanoic acid (PFBA)			0.500	0.508		ng/g		102	70 - 140		
Perfluoropentanoic acid (PFPeA)			0.250	0.232		ng/g		93	60 - 150		
Perfluorohexanoic acid (PFHxA)			0.250	0.286		ng/g		114	65 - 140		
Perfluoroheptanoic acid (PFHpA)			0.250	0.259		ng/g		103	65 - 145		
Perfluorooctanoic acid (PFOA)			0.250	0.256		ng/g		103	70 - 150		
Perfluorononanoic acid (PFNA)			0.250	0.221		ng/g		88	70 - 155		
Perfluorodecanoic acid (PFDA)			0.250	0.241		ng/g		96	70 - 155		
Perfluoroundecanoic acid (PFUnA)			0.250	0.223		ng/g		89	70 - 155		
Perfluorododecanoic acid (PFDoA)			0.250	0.252		ng/g		101	70 - 150		
Perfluorotridecanoic acid (PFTrDA)			0.250	0.270		ng/g		108	65 - 150		

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-674050/3-A
Matrix: Solid
Analysis Batch: 675863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674050

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorotetradecanoic acid (PFTeDA)	0.250	0.202		ng/g		81	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.222	0.215		ng/g		97	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.235	0.206		ng/g		88	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.228	0.228		ng/g		100	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.239	0.207		ng/g		87	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.233	0.225		ng/g		97	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.241	0.205		ng/g		85	55 - 140
Perfluorodecanesulfonic acid (PFDS)	0.241	0.198	J	ng/g		82	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	0.243	0.171	J	ng/g		71	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.455		ng/g		97	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.452		ng/g		95	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.460		ng/g		96	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.250	0.260		ng/g		104	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.250	0.202		ng/g		81	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.250	0.237		ng/g		95	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.250	0.208		ng/g		83	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.250	0.249		ng/g		100	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.14		ng/g		91	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.14		ng/g		91	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.188	0.187	J	ng/g		100	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.237	0.227		ng/g		96	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.233		ng/g		93	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.228		ng/g		91	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.243		ng/g		97	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.234	0.211		ng/g		90	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.236	0.206		ng/g		87	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.223	0.192	J	ng/g		86	70 - 140

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-674050/3-A
Matrix: Solid
Analysis Batch: 675863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674050

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.500	0.362	J	ng/g		72	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.25	0.968	J	ng/g		77	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.25	1.02		ng/g		81	60 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*57.3*		*8 - 130*
13C5 PFPeA	*63.6*		*35 - 130*
13C5 PFHxA	*56.5*		*40 - 130*
13C4 PFHpA	*54.9*		*40 - 130*
13C8 PFOA	*52.2*		*40 - 130*
13C9 PFNA	*55.3*		*40 - 130*
13C6 PFDA	*56.5*		*40 - 130*
13C7 PFUnA	*70.8*		*40 - 130*
13C2 PFTeDA	*59.7*		*20 - 130*
13C3 PFBS	*53.8*		*40 - 135*
13C3 PFHxS	*56.1*		*40 - 130*
13C8 PFOS	*60.5*		*40 - 130*
13C8 FOSA	*50.7*		*40 - 130*
d3-NMeFOSAA	*64.3*		*40 - 135*
d5-NEtFOSAA	*61.7*		*40 - 150*
13C2 4:2 FTS	*54.3*		*40 - 165*
13C2 6:2 FTS	*52.9*		*40 - 215*
13C2 8:2 FTS	*54.7*		*40 - 275*
13C3 HFPO-DA	*55.6*		*40 - 130*
d7-N-MeFOSE-M	*46.0*		*20 - 130*
d9-N-EtFOSE-M	*42.0*		*15 - 130*
d5-NEtPFOSA	*46.3*		*10 - 130*
d3-NMePFOSA	*47.0*		*10 - 130*
13C2 PFDoA	*62.0*		*40 - 130*

Lab Sample ID: 480-231006-4 MS
Matrix: Solid
Analysis Batch: 675863

Client Sample ID: SB1-7'-8'
Prep Type: Total/NA
Prep Batch: 674050

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	ND		4.89	5.06		ng/g	☼	103	70 - 140
Perfluoropentanoic acid (PFPeA)	ND		2.45	2.10		ng/g	☼	86	60 - 150
Perfluorohexanoic acid (PFHxA)	ND		2.45	2.17		ng/g	☼	89	65 - 140
Perfluoroheptanoic acid (PFHpA)	ND		2.45	2.27		ng/g	☼	93	65 - 145
Perfluorooctanoic acid (PFOA)	ND		2.45	2.28		ng/g	☼	93	70 - 150
Perfluorononanoic acid (PFNA)	ND		2.45	2.32		ng/g	☼	95	70 - 155
Perfluorodecanoic acid (PFDA)	ND		2.45	1.96		ng/g	☼	80	70 - 155
Perfluoroundecanoic acid (PFUnA)	ND		2.45	2.33		ng/g	☼	95	70 - 155
Perfluorododecanoic acid (PFDoA)	ND		2.45	2.19		ng/g	☼	90	70 - 150

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 480-231006-4 MS
Matrix: Solid
Analysis Batch: 675863

Client Sample ID: SB1-7'-8'
Prep Type: Total/NA
Prep Batch: 674050

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorotridecanoic acid (PFTrDA)	ND		2.45	2.33		ng/g	☼	95	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	ND		2.45	2.01		ng/g	☼	82	65 - 150
Perfluorobutanesulfonic acid (PFBS)	ND		2.17	2.04		ng/g	☼	94	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	ND		2.30	2.09		ng/g	☼	91	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	ND		2.23	1.91		ng/g	☼	85	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.33	1.99		ng/g	☼	85	65 - 155
Perfluorooctanesulfonic acid (PFOS)	1.3		2.28	3.56		ng/g	☼	99	65 - 160
Perfluorononanesulfonic acid (PFNS)	ND		2.35	1.85		ng/g	☼	78	55 - 140
Perfluorodecanesulfonic acid (PFDS)	ND		2.36	1.63		ng/g	☼	69	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	ND		2.37	1.32		ng/g	☼	56	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.59	4.48		ng/g	☼	98	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.66	4.66		ng/g	☼	100	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.70	4.45		ng/g	☼	95	70 - 150
Perfluorooctanesulfonamide (PFOSA)	ND		2.45	2.46		ng/g	☼	101	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.45	2.19		ng/g	☼	89	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.45	2.31		ng/g	☼	94	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.45	1.98		ng/g	☼	81	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.45	2.31		ng/g	☼	95	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		12.2	12.5		ng/g	☼	102	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		12.2	11.9		ng/g	☼	97	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.83	1.83	I	ng/g	☼	100	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.31	2.11		ng/g	☼	91	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.45	2.24		ng/g	☼	92	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.45	2.18		ng/g	☼	89	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.45	2.31		ng/g	☼	95	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.28	1.74		ng/g	☼	76	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.31	1.66		ng/g	☼	72	45 - 160

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 480-231006-4 MS
Matrix: Solid
Analysis Batch: 675863

Client Sample ID: SB1-7'-8'
Prep Type: Total/NA
Prep Batch: 674050

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.18	1.69		ng/g	☼	78	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.89	4.05		ng/g	☼	83	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		12.2	10.0		ng/g	☼	82	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		12.2	9.31		ng/g	☼	76	60 - 150

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C4 PFBA	*76.9*		*8 - 130*
13C5 PFPeA	*85.2*		*35 - 130*
13C5 PFHxA	*82.8*		*40 - 130*
13C4 PFHpA	*78.7*		*40 - 130*
13C8 PFOA	*75.2*		*40 - 130*
13C9 PFNA	*77.7*		*40 - 130*
13C6 PFDA	*79.5*		*40 - 130*
13C7 PFUnA	*83.6*		*40 - 130*
13C2 PFTeDA	*68.4*		*20 - 130*
13C3 PFBS	*76.1*		*40 - 135*
13C3 PFHxS	*76.7*		*40 - 130*
13C8 PFOS	*77.8*		*40 - 130*
13C8 FOSA	*67.1*		*40 - 130*
d3-NMeFOSAA	*78.0*		*40 - 135*
d5-NEtFOSAA	*73.7*		*40 - 150*
13C2 4:2 FTS	*74.9*		*40 - 165*
13C2 6:2 FTS	*73.5*		*40 - 215*
13C2 8:2 FTS	*72.6*		*40 - 275*
13C3 HFPO-DA	*79.3*		*40 - 130*
d7-N-MeFOSE-M	*36.1*		*20 - 130*
d9-N-EtFOSE-M	*31.3*		*15 - 130*
d5-NEtPFOSA	*54.7*		*10 - 130*
d3-NMePFOSA	*63.7*		*10 - 130*
13C2 PFDoA	*79.6*		*40 - 130*

Lab Sample ID: 480-231006-4 MSD
Matrix: Solid
Analysis Batch: 675863

Client Sample ID: SB1-7'-8'
Prep Type: Total/NA
Prep Batch: 674050

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		4.97	5.14		ng/g	☼	103	70 - 140	2	30
Perfluoropentanoic acid (PFPeA)	ND		2.48	2.22		ng/g	☼	89	60 - 150	6	30
Perfluorohexanoic acid (PFHxA)	ND		2.48	2.26		ng/g	☼	91	65 - 140	4	30
Perfluoroheptanoic acid (PFHpA)	ND		2.48	2.30		ng/g	☼	92	65 - 145	1	30
Perfluorooctanoic acid (PFOA)	ND		2.48	2.42		ng/g	☼	97	70 - 150	6	30
Perfluorononanoic acid (PFNA)	ND		2.48	2.12		ng/g	☼	85	70 - 155	9	30
Perfluorodecanoic acid (PFDA)	ND		2.48	2.28		ng/g	☼	92	70 - 155	15	30
Perfluoroundecanoic acid (PFUnA)	ND		2.48	2.47		ng/g	☼	99	70 - 155	6	30

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 480-231006-4 MSD
Matrix: Solid
Analysis Batch: 675863

Client Sample ID: SB1-7'-8'
Prep Type: Total/NA
Prep Batch: 674050

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorododecanoic acid (PFDoA)	ND		2.48	2.22		ng/g	☼	89	70 - 150	1	30
Perfluorotridecanoic acid (PFTrDA)	ND		2.48	2.39		ng/g	☼	96	65 - 150	2	30
Perfluorotetradecanoic acid (PFTeDA)	ND		2.48	1.93		ng/g	☼	78	65 - 150	4	30
Perfluorobutanesulfonic acid (PFBS)	ND		2.21	2.01		ng/g	☼	91	65 - 145	2	30
Perfluoropentanesulfonic acid (PFPeS)	ND		2.34	2.11		ng/g	☼	90	55 - 160	1	30
Perfluorohexanesulfonic acid (PFHxS)	ND		2.27	1.97		ng/g	☼	87	60 - 150	3	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.37	2.13		ng/g	☼	90	65 - 155	7	30
Perfluorooctanesulfonic acid (PFOS)	1.3		2.31	2.90		ng/g	☼	70	65 - 160	20	30
Perfluorononanesulfonic acid (PFNS)	ND		2.39	1.98		ng/g	☼	83	55 - 140	7	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.40	1.71		ng/g	☼	72	40 - 155	5	30
Perfluorododecanesulfonic acid (PFDoS)	ND		2.41	1.44		ng/g	☼	60	25 - 160	9	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.66	4.59		ng/g	☼	98	60 - 150	2	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.73	4.55		ng/g	☼	96	55 - 200	2	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.77	4.69		ng/g	☼	98	70 - 150	5	30
Perfluorooctanesulfonamide (PFOSA)	ND		2.48	2.55		ng/g	☼	103	70 - 140	4	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.48	2.21		ng/g	☼	89	70 - 155	1	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.48	2.38		ng/g	☼	96	70 - 140	3	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.48	1.91		ng/g	☼	77	65 - 155	3	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.48	2.24		ng/g	☼	90	65 - 165	3	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		12.4	13.1		ng/g	☼	105	70 - 140	5	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		12.4	12.2		ng/g	☼	98	70 - 135	2	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.86	1.83		ng/g	☼	98	70 - 145	0	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.35	2.16		ng/g	☼	92	70 - 160	2	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.48	2.33		ng/g	☼	94	30 - 140	4	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.48	2.26		ng/g	☼	91	60 - 150	3	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.48	2.45		ng/g	☼	99	60 - 155	6	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.32	1.90		ng/g	☼	82	70 - 150	9	30

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 480-231006-4 MSD
Matrix: Solid
Analysis Batch: 675863

Client Sample ID: SB1-7'-8'
Prep Type: Total/NA
Prep Batch: 674050

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.35	1.80		ng/g	☼	77	45 - 160	8	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.22	1.81		ng/g	☼	82	70 - 140	7	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.97	4.14		ng/g	☼	83	45 - 130	2	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		12.4	10.0		ng/g	☼	81	60 - 130	0	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		12.4	10.2		ng/g	☼	82	60 - 150	9	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C4 PFBA	*83.3*		*8 - 130*
13C5 PFPeA	*93.5*		*35 - 130*
13C5 PFHxA	*91.9*		*40 - 130*
13C4 PFHpA	*89.1*		*40 - 130*
13C8 PFOA	*87.9*		*40 - 130*
13C9 PFNA	*87.4*		*40 - 130*
13C6 PFDA	*83.1*		*40 - 130*
13C7 PFUnA	*77.9*		*40 - 130*
13C2 PFTeDA	*69.7*		*20 - 130*
13C3 PFBS	*84.8*		*40 - 135*
13C3 PFHxS	*83.4*		*40 - 130*
13C8 PFOS	*77.9*		*40 - 130*
13C8 FOSA	*77.3*		*40 - 130*
d3-NMeFOSAA	*85.7*		*40 - 135*
d5-NEtFOSAA	*80.8*		*40 - 150*
13C2 4:2 FTS	*84.6*		*40 - 165*
13C2 6:2 FTS	*83.3*		*40 - 215*
13C2 8:2 FTS	*75.0*		*40 - 275*
13C3 HFPO-DA	*86.9*		*40 - 130*
d7-N-MeFOSE-M	*49.3*		*20 - 130*
d9-N-EtFOSE-M	*41.3*		*15 - 130*
d5-NEtPFOSA	*60.1*		*10 - 130*
d3-NMePFOSA	*73.9*		*10 - 130*
13C2 PFDoA	*74.1*		*40 - 130*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 480-751886/1-A
Matrix: Solid
Analysis Batch: 752142

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751886

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		10.6	9.2	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Antimony	ND		15.9	0.56	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Arsenic	ND		2.1	0.93	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Barium	ND		0.53	0.15	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Beryllium	ND		0.21	0.042	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Cadmium	ND		0.21	0.074	mg/Kg		07/17/25 08:43	07/18/25 12:15	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 480-751886/1-A
Matrix: Solid
Analysis Batch: 752142

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751886

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		53.1	28.7	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Chromium	ND		0.53	0.38	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Cobalt	ND		0.53	0.11	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Copper	ND		1.1	0.61	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Iron	ND		10.6	9.0	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Lead	ND		1.1	0.49	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Magnesium	ND		21.2	9.0	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Manganese	ND		1.1	0.30	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Nickel	ND		5.3	0.27	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Potassium	ND		31.8	25.7	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Selenium	ND		4.2	0.85	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Silver	ND	^5-	0.64	0.21	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Sodium	ND		149	65.1	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Thallium	ND		6.4	0.81	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Vanadium	ND		0.53	0.14	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Zinc	ND	^5-	2.1	1.1	mg/Kg		07/17/25 08:43	07/18/25 12:15	1

Lab Sample ID: LCSSRM 480-751886/2-A
Matrix: Solid
Analysis Batch: 752142

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751886

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7680	8360		mg/Kg		108.9	47.4 - 130.2
Antimony	201	73.88		mg/Kg		36.8	0.06 - 100.0
Arsenic	181	141.4		mg/Kg		78.1	66.3 - 97.8
Barium	211	176.1		mg/Kg		83.5	73.9 - 107.1
Beryllium	270	244.6		mg/Kg		90.6	73.0 - 104.4
Cadmium	221	181.7		mg/Kg		82.2	70.6 - 101.8
Calcium	4280	4043		mg/Kg		94.5	77.3 - 111.0
Chromium	149	131.8		mg/Kg		88.5	71.8 - 105.4
Cobalt	142	134.1		mg/Kg		94.4	73.2 - 104.2
Copper	264	225.8		mg/Kg		85.5	73.5 - 104.2
Iron	7360	7253		mg/Kg		98.5	55.4 - 130.3
Lead	106	102.1		mg/Kg		96.3	76.1 - 109.4
Magnesium	2170	2031		mg/Kg		93.6	68.7 - 112.0
Manganese	270	238.0		mg/Kg		88.2	73.0 - 107.8
Nickel	177	164.3		mg/Kg		92.8	71.8 - 103.4
Potassium	2340	2194		mg/Kg		93.8	62.8 - 113.7

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-751886/2-A
Matrix: Solid
Analysis Batch: 752142

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751886

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	139	114.9		mg/Kg		82.7	70.0 - 107.9
Silver	59.9	50.62		mg/Kg		84.5	72.8 - 110.7
Sodium	306	283.2		mg/Kg		92.5	66.0 - 113.4
Thallium	205	198.8		mg/Kg		97.0	71.7 - 106.8
Vanadium	155	140.0		mg/Kg		90.3	69.0 - 107.7
Zinc	398	336.2		mg/Kg		84.5	68.8 - 104.5

Lab Sample ID: 480-231006-5 MS
Matrix: Solid
Analysis Batch: 752142

Client Sample ID: SB1-5'-8'
Prep Type: Total/NA
Prep Batch: 751886

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	15800		1020	20170	4	mg/Kg	☼	426	75 - 125
Antimony	ND	F1	100	49.79	F1	mg/Kg	☼	50	75 - 125
Arsenic	ND		200	184.7		mg/Kg	☼	92	75 - 125
Barium	149		200	356.2		mg/Kg	☼	104	75 - 125
Beryllium	0.40		99.3	96.39		mg/Kg	☼	97	75 - 125
Cadmium	ND		100	91.98		mg/Kg	☼	92	75 - 125
Calcium	6400	F1	5010	12420		mg/Kg	☼	120	75 - 125
Chromium	26.6		100	120.7		mg/Kg	☼	94	75 - 125
Cobalt	12.1		100	121.9		mg/Kg	☼	110	75 - 125
Copper	31.3		100	141.8		mg/Kg	☼	110	75 - 125
Iron	25300		1020	29560	4	mg/Kg	☼	418	75 - 125
Lead	9.3		100	119.2		mg/Kg	☼	110	75 - 125
Magnesium	7480	F1	5000	13490		mg/Kg	☼	120	75 - 125
Manganese	297	F1	100	457.1	F1	mg/Kg	☼	160	75 - 125
Nickel	21.4		100	134.2		mg/Kg	☼	113	75 - 125
Potassium	6570		5000	12490		mg/Kg	☼	119	75 - 125
Selenium	ND		200	175.7		mg/Kg	☼	88	75 - 125
Silver	ND	^5-	10.0	9.42	^5-	mg/Kg	☼	94	75 - 125
Sodium	344		5000	5016		mg/Kg	☼	93	75 - 125
Thallium	ND		200	203.6		mg/Kg	☼	102	75 - 125
Vanadium	45.6		100	144.3		mg/Kg	☼	99	75 - 125
Zinc	59.4	^5-	100	153.1	^5-	mg/Kg	☼	94	75 - 125

Lab Sample ID: 480-231006-5 MSD
Matrix: Solid
Analysis Batch: 752142

Client Sample ID: SB1-5'-8'
Prep Type: Total/NA
Prep Batch: 751886

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	15800		1110	20660	4	mg/Kg	☼	439	75 - 125	2	20
Antimony	ND	F1	108	56.94	F1	mg/Kg	☼	53	75 - 125	13	20
Arsenic	ND		217	203.8		mg/Kg	☼	94	75 - 125	10	20
Barium	149		217	369.7		mg/Kg	☼	102	75 - 125	4	20
Beryllium	0.40		107	107.7		mg/Kg	☼	100	75 - 125	11	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 480-231006-5 MSD
Matrix: Solid
Analysis Batch: 752142

Client Sample ID: SB1-5'-8'
Prep Type: Total/NA
Prep Batch: 751886

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cadmium	ND		108	102.4		mg/Kg	☼	95	75 - 125	11	20
Calcium	6400	F1	5420	15240	F1	mg/Kg	☼	163	75 - 125	20	20
Chromium	26.6		108	132.0		mg/Kg	☼	97	75 - 125	9	20
Cobalt	12.1		108	128.4		mg/Kg	☼	107	75 - 125	5	20
Copper	31.3		108	139.0		mg/Kg	☼	99	75 - 125	2	20
Iron	25300		1110	28560	4	mg/Kg	☼	297	75 - 125	3	20
Lead	9.3		108	125.4		mg/Kg	☼	107	75 - 125	5	20
Magnesium	7480	F1	5420	14790	F1	mg/Kg	☼	135	75 - 125	9	20
Manganese	297	F1	108	462.3	F1	mg/Kg	☼	153	75 - 125	1	20
Nickel	21.4		108	138.6		mg/Kg	☼	108	75 - 125	3	20
Potassium	6570		5410	12550		mg/Kg	☼	111	75 - 125	0	20
Selenium	ND		217	195.8		mg/Kg	☼	90	75 - 125	11	20
Silver	ND	^5-	10.8	10.32	^5-	mg/Kg	☼	95	75 - 125	9	20
Sodium	344		5410	5612		mg/Kg	☼	97	75 - 125	11	20
Thallium	ND		217	218.7		mg/Kg	☼	101	75 - 125	7	20
Vanadium	45.6		108	155.6		mg/Kg	☼	102	75 - 125	8	20
Zinc	59.4	^5-	108	158.1	^5-	mg/Kg	☼	91	75 - 125	3	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-751621/1-A
Matrix: Solid
Analysis Batch: 751708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751621

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.019	0.0045	mg/Kg		07/14/25 10:43	07/14/25 13:14	1

Lab Sample ID: LCSSRM 480-751621/2-A ^10
Matrix: Solid
Analysis Batch: 751708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751621

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			24.0	18.07		mg/Kg		75.3	55.8 - 109.6		

GC/MS VOA

Analysis Batch: 751892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-751902/1-A	Method Blank	Total/NA	Solid	8260C	751902
LCS 480-751902/2-A	Lab Control Sample	Total/NA	Solid	8260C	751902

Prep Batch: 751902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-1	SB1-12"-18"	Total/NA	Solid	5035A_H	
480-231006-4	SB1-7'-8'	Total/NA	Solid	5035A_H	
480-231006-5	SB1-5'-8'	Total/NA	Solid	5035A_H	
480-231006-9	SB2-4'	Total/NA	Solid	5035A_H	
480-231006-10	SB2-4' DUP	Total/NA	Solid	5035A_H	
480-231006-14	SB2-9'-10'	Total/NA	Solid	5035A_H	
MB 480-751902/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-751902/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-231006-4 MS	SB1-7'-8'	Total/NA	Solid	5035A_H	
480-231006-4 MSD	SB1-7'-8'	Total/NA	Solid	5035A_H	

Analysis Batch: 751930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-1	SB1-12"-18"	Total/NA	Solid	8260C	751902
480-231006-4	SB1-7'-8'	Total/NA	Solid	8260C	751902
480-231006-5	SB1-5'-8'	Total/NA	Solid	8260C	751902
480-231006-9	SB2-4'	Total/NA	Solid	8260C	751902
480-231006-10	SB2-4' DUP	Total/NA	Solid	8260C	751902
480-231006-14	SB2-9'-10'	Total/NA	Solid	8260C	751902
480-231006-4 MS	SB1-7'-8'	Total/NA	Solid	8260C	751902
480-231006-4 MSD	SB1-7'-8'	Total/NA	Solid	8260C	751902

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Prep Batch: 751553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-3	SB1-12'-48"	Total/NA	Solid	3546	
480-231006-5	SB1-5'-8'	Total/NA	Solid	3546	
480-231006-12	SB2-12"-5'	Total/NA	Solid	3546	
480-231006-14	SB2-9'-10'	Total/NA	Solid	3546	
MB 480-751553/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-751553/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 751756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-751553/1-A	Method Blank	Total/NA	Solid	8270D	751553
LCS 480-751553/2-A	Lab Control Sample	Total/NA	Solid	8270D	751553

Analysis Batch: 752098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-3	SB1-12'-48"	Total/NA	Solid	8270D	751553
480-231006-5	SB1-5'-8'	Total/NA	Solid	8270D	751553
480-231006-12	SB2-12"-5'	Total/NA	Solid	8270D	751553
480-231006-14	SB2-9'-10'	Total/NA	Solid	8270D	751553

GC Semi VOA

Prep Batch: 674180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-3	SB1-12'-48"	Total/NA	Solid	3546	
480-231006-5	SB1-5'-8'	Total/NA	Solid	3546	
480-231006-12	SB2-12"-5'	Total/NA	Solid	3546	
480-231006-14	SB2-9'-10'	Total/NA	Solid	3546	
MB 410-674180/1-A	Method Blank	Total/NA	Solid	3546	
LCS 410-674180/2-A	Lab Control Sample	Total/NA	Solid	3546	
480-231006-3 MS	SB1-12'-48"	Total/NA	Solid	3546	
480-231006-3 MSD	SB1-12'-48"	Total/NA	Solid	3546	

Analysis Batch: 674459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-3	SB1-12'-48"	Total/NA	Solid	8082A	674180
480-231006-5	SB1-5'-8'	Total/NA	Solid	8082A	674180
480-231006-12	SB2-12"-5'	Total/NA	Solid	8082A	674180
480-231006-14	SB2-9'-10'	Total/NA	Solid	8082A	674180
MB 410-674180/1-A	Method Blank	Total/NA	Solid	8082A	674180
LCS 410-674180/2-A	Lab Control Sample	Total/NA	Solid	8082A	674180
480-231006-3 MS	SB1-12'-48"	Total/NA	Solid	8082A	674180
480-231006-3 MSD	SB1-12'-48"	Total/NA	Solid	8082A	674180

Prep Batch: 751725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-3	SB1-12'-48"	Total/NA	Solid	3546	
480-231006-5	SB1-5'-8'	Total/NA	Solid	3546	
480-231006-12	SB2-12"-5'	Total/NA	Solid	3546	
480-231006-14	SB2-9'-10'	Total/NA	Solid	3546	
MB 480-751725/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-751725/2-A	Lab Control Sample	Total/NA	Solid	3546	
480-231006-3 MS	SB1-12'-48"	Total/NA	Solid	3546	
480-231006-3 MSD	SB1-12'-48"	Total/NA	Solid	3546	

Analysis Batch: 752073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-3	SB1-12'-48"	Total/NA	Solid	8081B	751725
480-231006-5	SB1-5'-8'	Total/NA	Solid	8081B	751725
480-231006-12	SB2-12"-5'	Total/NA	Solid	8081B	751725
480-231006-14	SB2-9'-10'	Total/NA	Solid	8081B	751725
MB 480-751725/1-A	Method Blank	Total/NA	Solid	8081B	751725
LCS 480-751725/2-A	Lab Control Sample	Total/NA	Solid	8081B	751725
480-231006-3 MS	SB1-12'-48"	Total/NA	Solid	8081B	751725
480-231006-3 MSD	SB1-12'-48"	Total/NA	Solid	8081B	751725

Prep Batch: 752177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-3	SB1-12'-48"	Total/NA	Solid	8151A	
480-231006-5	SB1-5'-8'	Total/NA	Solid	8151A	
480-231006-12	SB2-12"-5'	Total/NA	Solid	8151A	
480-231006-14	SB2-9'-10'	Total/NA	Solid	8151A	
MB 480-752177/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-752177/2-A	Lab Control Sample	Total/NA	Solid	8151A	

GC Semi VOA

Analysis Batch: 752508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-3	SB1-12'-48"	Total/NA	Solid	8151A	752177
480-231006-5	SB1-5'-8'	Total/NA	Solid	8151A	752177
480-231006-12	SB2-12"-5'	Total/NA	Solid	8151A	752177
480-231006-14	SB2-9'-10'	Total/NA	Solid	8151A	752177
MB 480-752177/1-A	Method Blank	Total/NA	Solid	8151A	752177
LCS 480-752177/2-A	Lab Control Sample	Total/NA	Solid	8151A	752177

LCMS

Analysis Batch: 670538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-6	RINSATE	Total/NA	Water	1633A	671022
MB 410-671022/4-A	Method Blank	Total/NA	Water	1633A	671022

Prep Batch: 671022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-6	RINSATE	Total/NA	Water	1633A	
MB 410-671022/4-A	Method Blank	Total/NA	Water	1633A	
LCS 410-671022/5-A	Lab Control Sample	Total/NA	Water	1633A	
LCSD 410-671022/6-A	Lab Control Sample Dup	Total/NA	Water	1633A	
LLCS 410-671022/7-A	Lab Control Sample	Total/NA	Water	1633A	

Analysis Batch: 671236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-671022/5-A	Lab Control Sample	Total/NA	Water	1633A	671022
LCSD 410-671022/6-A	Lab Control Sample Dup	Total/NA	Water	1633A	671022
LLCS 410-671022/7-A	Lab Control Sample	Total/NA	Water	1633A	671022

Prep Batch: 673310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-1	SB1-12"-18"	Total/NA	Solid	1633A Shake	
480-231006-3	SB1-12'-48"	Total/NA	Solid	1633A Shake	
480-231006-5	SB1-5'-8'	Total/NA	Solid	1633A Shake	
480-231006-12	SB2-12"-5'	Total/NA	Solid	1633A Shake	
MB 410-673310/1-A	Method Blank	Total/NA	Solid	1633A Shake	
LCS 410-673310/2-A	Lab Control Sample	Total/NA	Solid	1633A Shake	
LLCS 410-673310/3-A	Lab Control Sample	Total/NA	Solid	1633A Shake	

Analysis Batch: 673475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-1	SB1-12"-18"	Total/NA	Solid	1633A	673310
480-231006-3	SB1-12'-48"	Total/NA	Solid	1633A	673310
480-231006-5	SB1-5'-8'	Total/NA	Solid	1633A	673310
480-231006-12	SB2-12"-5'	Total/NA	Solid	1633A	673310
LLCS 410-673310/3-A	Lab Control Sample	Total/NA	Solid	1633A	673310

Analysis Batch: 673901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-673310/1-A	Method Blank	Total/NA	Solid	1633A	673310
LCS 410-673310/2-A	Lab Control Sample	Total/NA	Solid	1633A	673310

LCMS

Prep Batch: 674050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-2	SB1-18"-30"	Total/NA	Solid	1633A Shake	
480-231006-4	SB1-7'-8'	Total/NA	Solid	1633A Shake	
480-231006-7	SB2-12"-18"	Total/NA	Solid	1633A Shake	
480-231006-8	SB2-12"-18" DUP	Total/NA	Solid	1633A Shake	
480-231006-11	SB2-24"-36"	Total/NA	Solid	1633A Shake	
480-231006-13	SB2-9'-10'	Total/NA	Solid	1633A Shake	
MB 410-674050/1-A	Method Blank	Total/NA	Solid	1633A Shake	
LCS 410-674050/2-A	Lab Control Sample	Total/NA	Solid	1633A Shake	
LLCS 410-674050/3-A	Lab Control Sample	Total/NA	Solid	1633A Shake	
480-231006-4 MS	SB1-7'-8'	Total/NA	Solid	1633A Shake	
480-231006-4 MSD	SB1-7'-8'	Total/NA	Solid	1633A Shake	

Analysis Batch: 675863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-2	SB1-18"-30"	Total/NA	Solid	1633A	674050
480-231006-4	SB1-7'-8'	Total/NA	Solid	1633A	674050
480-231006-7	SB2-12"-18"	Total/NA	Solid	1633A	674050
480-231006-8	SB2-12"-18" DUP	Total/NA	Solid	1633A	674050
480-231006-11	SB2-24"-36"	Total/NA	Solid	1633A	674050
480-231006-13	SB2-9'-10'	Total/NA	Solid	1633A	674050
MB 410-674050/1-A	Method Blank	Total/NA	Solid	1633A	674050
LCS 410-674050/2-A	Lab Control Sample	Total/NA	Solid	1633A	674050
LLCS 410-674050/3-A	Lab Control Sample	Total/NA	Solid	1633A	674050
480-231006-4 MS	SB1-7'-8'	Total/NA	Solid	1633A	674050
480-231006-4 MSD	SB1-7'-8'	Total/NA	Solid	1633A	674050

Metals

Prep Batch: 751621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-3	SB1-12'-48"	Total/NA	Solid	7471B	
480-231006-5	SB1-5'-8'	Total/NA	Solid	7471B	
480-231006-12	SB2-12"-5'	Total/NA	Solid	7471B	
480-231006-14	SB2-9'-10'	Total/NA	Solid	7471B	
MB 480-751621/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-751621/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 751708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-3	SB1-12'-48"	Total/NA	Solid	7471B	751621
480-231006-5	SB1-5'-8'	Total/NA	Solid	7471B	751621
480-231006-12	SB2-12"-5'	Total/NA	Solid	7471B	751621
480-231006-14	SB2-9'-10'	Total/NA	Solid	7471B	751621
MB 480-751621/1-A	Method Blank	Total/NA	Solid	7471B	751621
LCSSRM 480-751621/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	751621

Prep Batch: 751886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-3	SB1-12'-48"	Total/NA	Solid	3050B	
480-231006-5	SB1-5'-8'	Total/NA	Solid	3050B	
480-231006-12	SB2-12"-5'	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 751886 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-14	SB2-9'-10'	Total/NA	Solid	3050B	
MB 480-751886/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-751886/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-231006-5 MS	SB1-5'-8'	Total/NA	Solid	3050B	
480-231006-5 MSD	SB1-5'-8'	Total/NA	Solid	3050B	

Analysis Batch: 752142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-3	SB1-12'-48"	Total/NA	Solid	6010D	751886
480-231006-5	SB1-5'-8'	Total/NA	Solid	6010D	751886
480-231006-12	SB2-12"-5'	Total/NA	Solid	6010D	751886
480-231006-14	SB2-9'-10'	Total/NA	Solid	6010D	751886
MB 480-751886/1-A	Method Blank	Total/NA	Solid	6010D	751886
LCSSRM 480-751886/2-A	Lab Control Sample	Total/NA	Solid	6010D	751886
480-231006-5 MS	SB1-5'-8'	Total/NA	Solid	6010D	751886
480-231006-5 MSD	SB1-5'-8'	Total/NA	Solid	6010D	751886

General Chemistry

Analysis Batch: 674027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-2	SB1-18"-30"	Total/NA	Solid	Moisture	
480-231006-7	SB2-12"-18"	Total/NA	Solid	Moisture	
480-231006-8	SB2-12"-18" DUP	Total/NA	Solid	Moisture	
480-231006-11	SB2-24"-36"	Total/NA	Solid	Moisture	
480-231006-13	SB2-9'-10'	Total/NA	Solid	Moisture	

Analysis Batch: 751816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231006-1	SB1-12"-18"	Total/NA	Solid	Moisture	
480-231006-3	SB1-12'-48"	Total/NA	Solid	Moisture	
480-231006-4	SB1-7'-8'	Total/NA	Solid	Moisture	
480-231006-5	SB1-5'-8'	Total/NA	Solid	Moisture	
480-231006-9	SB2-4'	Total/NA	Solid	Moisture	
480-231006-10	SB2-4' DUP	Total/NA	Solid	Moisture	
480-231006-12	SB2-12"-5'	Total/NA	Solid	Moisture	
480-231006-14	SB2-9'-10'	Total/NA	Solid	Moisture	
480-231006-4 MS	SB1-7'-8'	Total/NA	Solid	Moisture	
480-231006-4 MSD	SB1-7'-8'	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Terracon Consultants Inc
Project/Site: HPN HVAC Upgrades - JA257025

Job ID: 480-231006-1

Client Sample ID: SB1-12"-18"
Date Collected: 07/09/25 12:00
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751816	MAN	EET BUF	07/15/25 14:58

Client Sample ID: SB1-12"-18"
Date Collected: 07/09/25 12:00
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-1
Matrix: Solid
Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			751902	ATG	EET BUF	07/16/25 10:48
Total/NA	Analysis	8260C		1	751930	ATG	EET BUF	07/17/25 05:49
Total/NA	Prep	1633A Shake			673310	D5RZ	ELLE	07/18/25 14:16
Total/NA	Analysis	1633A		1	673475	DX7G	ELLE	07/19/25 09:28

Client Sample ID: SB1-18"-30"
Date Collected: 07/09/25 12:00
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	674027	E5GC	ELLE	07/21/25 10:52

Client Sample ID: SB1-18"-30"
Date Collected: 07/09/25 12:00
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-2
Matrix: Solid
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633A Shake			674050	D5RZ	ELLE	07/21/25 14:12
Total/NA	Analysis	1633A		1	675863	QY4X	ELLE	07/25/25 04:03

Client Sample ID: SB1-12'-48"
Date Collected: 07/09/25 12:00
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751816	MAN	EET BUF	07/15/25 14:58

Client Sample ID: SB1-12'-48"
Date Collected: 07/09/25 12:00
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-3
Matrix: Solid
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			751553	JMP	EET BUF	07/12/25 07:49
Total/NA	Analysis	8270D		10	752098	JMM	EET BUF	07/18/25 15:51
Total/NA	Prep	3546			751725	SMP	EET BUF	07/15/25 06:52
Total/NA	Analysis	8081B		20	752073	JLS	EET BUF	07/18/25 11:17
Total/NA	Prep	3546			674180	JDJ2	ELLE	07/21/25 17:00
Total/NA	Analysis	8082A		1	674459	A2VL	ELLE	07/22/25 13:39

Lab Chronicle

Client: Terracon Consultants Inc
Project/Site: HPN HVAC Upgrades - JA257025

Job ID: 480-231006-1

Client Sample ID: SB1-12'-48"
Date Collected: 07/09/25 12:00
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-3
Matrix: Solid
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	8151A			752177	VXF	EET BUF	07/19/25 05:38
Total/NA	Analysis	8151A		1	752508	MAN	EET BUF	07/24/25 02:57
Total/NA	Prep	1633A Shake			673310	D5RZ	ELLE	07/18/25 14:16
Total/NA	Analysis	1633A		1	673475	DX7G	ELLE	07/19/25 09:41
Total/NA	Prep	3050B			751886	EMO	EET BUF	07/17/25 08:43
Total/NA	Analysis	6010D		1	752142	MP	EET BUF	07/18/25 12:20
Total/NA	Prep	7471B			751621	ESB	EET BUF	07/14/25 10:43
Total/NA	Analysis	7471B		1	751708	ESB	EET BUF	07/14/25 13:38

Client Sample ID: SB1-7'-8'
Date Collected: 07/09/25 12:45
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751816	MAN	EET BUF	07/15/25 14:58

Client Sample ID: SB1-7'-8'
Date Collected: 07/09/25 12:45
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-4
Matrix: Solid
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			751902	ATG	EET BUF	07/16/25 10:48
Total/NA	Analysis	8260C		1	751930	ATG	EET BUF	07/17/25 06:12
Total/NA	Prep	1633A Shake			674050	D5RZ	ELLE	07/21/25 14:12
Total/NA	Analysis	1633A		1	675863	QY4X	ELLE	07/25/25 04:17

Client Sample ID: SB1-5'-8'
Date Collected: 07/09/25 12:45
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751816	MAN	EET BUF	07/15/25 14:58

Client Sample ID: SB1-5'-8'
Date Collected: 07/09/25 12:45
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-5
Matrix: Solid
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			751902	ATG	EET BUF	07/16/25 10:48
Total/NA	Analysis	8260C		1	751930	ATG	EET BUF	07/17/25 06:35
Total/NA	Prep	3546			751553	JMP	EET BUF	07/12/25 07:49
Total/NA	Analysis	8270D		10	752098	JMM	EET BUF	07/18/25 16:16
Total/NA	Prep	3546			751725	SMP	EET BUF	07/15/25 06:52
Total/NA	Analysis	8081B		20	752073	JLS	EET BUF	07/18/25 13:14
Total/NA	Prep	3546			674180	JDJ2	ELLE	07/21/25 17:00
Total/NA	Analysis	8082A		1	674459	A2VL	ELLE	07/22/25 14:31

Lab Chronicle

Client: Terracon Consultants Inc
Project/Site: HPN HVAC Upgrades - JA257025

Job ID: 480-231006-1

Client Sample ID: SB1-5'-8'

Lab Sample ID: 480-231006-5
Date Collected: 07/09/25 12:45
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	8151A			752177	VXF	EET BUF	07/19/25 05:38
Total/NA	Analysis	8151A		1	752508	MAN	EET BUF	07/24/25 03:16
Total/NA	Prep	1633A Shake			673310	D5RZ	ELLE	07/18/25 14:16
Total/NA	Analysis	1633A		1	673475	DX7G	ELLE	07/19/25 09:55
Total/NA	Prep	3050B			751886	EMO	EET BUF	07/17/25 08:43
Total/NA	Analysis	6010D		1	752142	MP	EET BUF	07/18/25 12:22
Total/NA	Prep	7471B			751621	ESB	EET BUF	07/14/25 10:43
Total/NA	Analysis	7471B		1	751708	ESB	EET BUF	07/14/25 13:40

Client Sample ID: RINSATE

Lab Sample ID: 480-231006-6
Date Collected: 07/09/25 13:00
Matrix: Water
Date Received: 07/10/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633A			671022	MSH2	ELLE	07/14/25 15:43
Total/NA	Analysis	1633A		1	670538	P7EB	ELLE	07/15/25 18:11

Client Sample ID: SB2-12"-18"

Lab Sample ID: 480-231006-7
Date Collected: 07/09/25 13:30
Matrix: Solid
Date Received: 07/10/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	674027	E5GC	ELLE	07/21/25 10:52

Client Sample ID: SB2-12"-18"

Lab Sample ID: 480-231006-7
Date Collected: 07/09/25 13:30
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633A Shake			674050	D5RZ	ELLE	07/21/25 14:12
Total/NA	Analysis	1633A		1	675863	QY4X	ELLE	07/25/25 04:57

Client Sample ID: SB2-12"-18" DUP

Lab Sample ID: 480-231006-8
Date Collected: 07/09/25 13:30
Matrix: Solid
Date Received: 07/10/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	674027	E5GC	ELLE	07/21/25 10:52

Client Sample ID: SB2-12"-18" DUP

Lab Sample ID: 480-231006-8
Date Collected: 07/09/25 13:30
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633A Shake			674050	D5RZ	ELLE	07/21/25 14:12
Total/NA	Analysis	1633A		1	675863	QY4X	ELLE	07/25/25 05:11

Lab Chronicle

Client: Terracon Consultants Inc
Project/Site: HPN HVAC Upgrades - JA257025

Job ID: 480-231006-1

Client Sample ID: SB2-4'
Date Collected: 07/09/25 13:30
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751816	MAN	EET BUF	07/15/25 14:58

Client Sample ID: SB2-4'
Date Collected: 07/09/25 13:30
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-9
Matrix: Solid
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			751902	ATG	EET BUF	07/16/25 10:48
Total/NA	Analysis	8260C		1	751930	ATG	EET BUF	07/17/25 06:59

Client Sample ID: SB2-4' DUP
Date Collected: 07/09/25 13:30
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751816	MAN	EET BUF	07/15/25 14:58

Client Sample ID: SB2-4' DUP
Date Collected: 07/09/25 13:30
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-10
Matrix: Solid
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			751902	ATG	EET BUF	07/16/25 10:48
Total/NA	Analysis	8260C		1	751930	ATG	EET BUF	07/17/25 07:22

Client Sample ID: SB2-24"-36"
Date Collected: 07/09/25 13:30
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	674027	E5GC	ELLE	07/21/25 10:52

Client Sample ID: SB2-24"-36"
Date Collected: 07/09/25 13:30
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-11
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633A Shake			674050	D5RZ	ELLE	07/21/25 14:12
Total/NA	Analysis	1633A		1	675863	QY4X	ELLE	07/25/25 05:24

Client Sample ID: SB2-12"-5'
Date Collected: 07/09/25 13:30
Date Received: 07/10/25 14:30

Lab Sample ID: 480-231006-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751816	MAN	EET BUF	07/15/25 14:59

Client Sample ID: SB2-12"-5'

Lab Sample ID: 480-231006-12
Date Collected: 07/09/25 13:30
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			751553	JMP	EET BUF	07/12/25 07:49
Total/NA	Analysis	8270D		10	752098	JMM	EET BUF	07/18/25 16:40
Total/NA	Prep	3546			751725	SMP	EET BUF	07/15/25 06:52
Total/NA	Analysis	8081B		20	752073	JLS	EET BUF	07/18/25 13:33
Total/NA	Prep	3546			674180	JDJ2	ELLE	07/21/25 17:00
Total/NA	Analysis	8082A		1	674459	A2VL	ELLE	07/22/25 14:42
Total/NA	Prep	8151A			752177	VXF	EET BUF	07/19/25 05:38
Total/NA	Analysis	8151A		1	752508	MAN	EET BUF	07/24/25 03:35
Total/NA	Prep	1633A Shake			673310	D5RZ	ELLE	07/18/25 14:16
Total/NA	Analysis	1633A		1	673475	DX7G	ELLE	07/19/25 10:09
Total/NA	Prep	3050B			751886	EMO	EET BUF	07/17/25 08:43
Total/NA	Analysis	6010D		1	752142	MP	EET BUF	07/18/25 12:40
Total/NA	Prep	7471B			751621	ESB	EET BUF	07/14/25 10:43
Total/NA	Analysis	7471B		1	751708	ESB	EET BUF	07/14/25 13:41

Client Sample ID: SB2-9'-10'

Lab Sample ID: 480-231006-13
Date Collected: 07/09/25 14:00
Matrix: Solid
Date Received: 07/10/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	674027	E5GC	ELLE	07/21/25 10:52

Client Sample ID: SB2-9'-10'

Lab Sample ID: 480-231006-13
Date Collected: 07/09/25 14:00
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633A Shake			674050	D5RZ	ELLE	07/21/25 14:12
Total/NA	Analysis	1633A		1	675863	QY4X	ELLE	07/25/25 05:38

Client Sample ID: SB2-9'-10'

Lab Sample ID: 480-231006-14
Date Collected: 07/09/25 14:00
Matrix: Solid
Date Received: 07/10/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751816	MAN	EET BUF	07/15/25 14:59

Client Sample ID: SB2-9'-10'

Lab Sample ID: 480-231006-14
Date Collected: 07/09/25 14:00
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			751902	ATG	EET BUF	07/16/25 10:48
Total/NA	Analysis	8260C		1	751930	ATG	EET BUF	07/17/25 07:45
Total/NA	Prep	3546			751553	JMP	EET BUF	07/12/25 07:49
Total/NA	Analysis	8270D		1	752098	JMM	EET BUF	07/18/25 17:06

Lab Chronicle

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Client Sample ID: SB2-9'-10'
Lab Sample ID: 480-231006-14
Date Collected: 07/09/25 14:00
Matrix: Solid
Date Received: 07/10/25 14:30
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			751725	SMP	EET BUF	07/15/25 06:52
Total/NA	Analysis	8081B		1	752073	JLS	EET BUF	07/18/25 13:53
Total/NA	Prep	3546			674180	JDJ2	ELLE	07/21/25 17:00
Total/NA	Analysis	8082A		1	674459	A2VL	ELLE	07/22/25 14:52
Total/NA	Prep	8151A			752177	VXF	EET BUF	07/19/25 05:38
Total/NA	Analysis	8151A		1	752508	MAN	EET BUF	07/24/25 03:53
Total/NA	Prep	3050B			751886	EMO	EET BUF	07/17/25 08:43
Total/NA	Analysis	6010D		1	752142	MP	EET BUF	07/18/25 12:42
Total/NA	Prep	7471B			751621	ESB	EET BUF	07/14/25 10:43
Total/NA	Analysis	7471B		1	751708	ESB	EET BUF	07/14/25 13:45

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8151A	8151A	Solid	Picloram
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-26
Alaska (UST)	State	17-027	12-30-26
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-26
Connecticut	State	PH-0746	06-30-27
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-26
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	07-01-26
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-26
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-26
Massachusetts	State	M-PA009	06-30-26
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-26
New York	NELAP	10670	04-01-26
North Carolina (DW)	State	42705	07-31-26
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	08-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-26
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-26
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-26
Washington	State	C457	04-11-26
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

Method Summary

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8081B	Organochlorine Pesticides (GC)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ELLE
8151A	Herbicides (GC)	SW846	EET BUF
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	ELLE
6010D	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
Moisture	Percent Moisture	EPA	ELLE
1633A	Solid-Phase Extraction (SPE)	EPA	ELLE
1633A Shake	Shake Extraction with SPE	EPA	ELLE
3050B	Preparation, Metals	SW846	EET BUF
3546	Microwave Extraction	SW846	EET BUF
3546	Microwave Extraction	SW846	ELLE
5035A_H	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF
8151A	Extraction (Herbicides)	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-231006-1	SB1-12"-18"	Solid	07/09/25 12:00	07/10/25 14:30
480-231006-2	SB1-18"-30"	Solid	07/09/25 12:00	07/10/25 14:30
480-231006-3	SB1-12'-48"	Solid	07/09/25 12:00	07/10/25 14:30
480-231006-4	SB1-7'-8'	Solid	07/09/25 12:45	07/10/25 14:30
480-231006-5	SB1-5'-8'	Solid	07/09/25 12:45	07/10/25 14:30
480-231006-6	RINSATE	Water	07/09/25 13:00	07/10/25 14:30
480-231006-7	SB2-12"-18"	Solid	07/09/25 13:30	07/10/25 14:30
480-231006-8	SB2-12"-18" DUP	Solid	07/09/25 13:30	07/10/25 14:30
480-231006-9	SB2-4'	Solid	07/09/25 13:30	07/10/25 14:30
480-231006-10	SB2-4' DUP	Solid	07/09/25 13:30	07/10/25 14:30
480-231006-11	SB2-24"-36"	Solid	07/09/25 13:30	07/10/25 14:30
480-231006-12	SB2-12"-5'	Solid	07/09/25 13:30	07/10/25 14:30
480-231006-13	SB2-9'-10'	Solid	07/09/25 14:00	07/10/25 14:30
480-231006-14	SB2-9'-10'	Solid	07/09/25 14:00	07/10/25 14:30

Quantitation Limit Exceptions Summary

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
1633A	Perfluorononanoic acid (PFNA)	Solid	Total/NA	ng/g	0.060	0.2

Chain of Custody Record

eurofins | Environment Testing

Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Client Information	Sampler: H. Martinez	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-206440-41906.1
Client Contact: Mr. Patrick Colern	Phone:	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Terracon Consultants Inc	PWSID:	Analysis Requested		Job #:
Address: 81 Benbro Drive	Due Date Requested:			Preservation Codes: N - None
City: Buffalo	TAT Requested (days):			
State, Zip: NY, 14225	Compliance Project: Δ Yes Δ No			
Phone: 716-861-1512(Tel)	PO #: TBD			
Email: patrick.colern@terracon.com	WO #:			Other:
Project Name: HPN HVAC Upgrades - JA257025	Project #: 48028944			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD	8082A - TCL PCBs - OLM04.2	1633A - List of 40 based on EPA method	8260C - TCL list OLM04.2	6010D, 7471B, 8081B, 8151A, 8270D	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	N	N		
SB1 - 12"-18"	7/9/25	1200	G	Solid				✓	✓			
SB1 - 18"-30"		1200	G	Solid				✓				
SB1 - 12"-48"		1200	C	Solid			✓	✓		✓		
SB1 - 7-8'		1245	G	Solid				✓	✓			
SB1 - 5-8'		1245	C	Solid			✓	✓		✓		
MS		1245	G	Solid				✓	✓			
MSDUP		1245	G	~~Solid~~ Water				✓	✓			
RINSEATE		1300	G	Water				✓				

480-231006 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Hayley Mar	7/10/25 1230	Terracon		7/10/25 14:17	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.9 IR#5CICE

Ver: 10/10/2024

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

p2 of 2

eurofins | Environment Testing

Client Information	Sampler: H. Martinez	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-206440-41906.1
Client Contact: Mr. Patrick Colern	Phone:	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Terracon Consultants Inc	PWSID:	Analysis Requested		Job #:
Address: 81 Benbro Drive	Due Date Requested:			Preservation Codes: N - None
City: Buffalo	TAT Requested (days):			
State, Zip: NY, 14225	Compliance Project: Δ Yes Δ No			
Phone: 716-861-1512(Tel)	PO #: TBD			
Email: patrick.colern@terracon.com	WO #:			Other:
Project Name: HPN HVAC Upgrades - JA257025	Project #: 48028944			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	MS/	8082A - TCL PCBs - OLM04.2	1633A - List of 40 based on EPA method	8260C - TCL list OLM04.2	6010D, 7471B, 8081B, 8151A, 8270D	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	N	N		
SB2 - 12"-18"	7/9/25	1330	G	Solid				✓				
SB2 - 12"-18" Dup		1330	G	Solid				✓				
~~SB2 - 2'-4'~~				Solid								
SB2 - 4'		1330	G	Solid					✓			
SB2 - 4 Dup		1330	G	Solid					✓			
SB2 - 24"-36"		1330	G	Solid				✓				
SB2 - 12"-5'		1330	C	~~Water~~			✓	✓		✓		
SB2 - 9'-10'		1400	G	Solid				✓				
SB2 - 9-10'		1400	C	Solid			✓		✓	✓		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	[signature]	7/10/25 1430	Terracon	N/A	7/10/25 17:20	Eurofins
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: PM 515 IR#5CCF

Ver: 10/10/2024

7/25/2025

Login Sample Receipt Checklist

Client: Terracon Consultants Inc

Job Number: 480-231006-1

Login Number: 231006
List Number: 1
Creator: Kolb, Chris M

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	tcores put in freezer 7/11 @ 1000
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	terracon
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Terracon Consultants Inc

Job Number: 480-231006-1

Login Number: 231006
List Number: 2
Creator: Wrye, Shaun

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 07/12/25 12:28 PM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Appendix F

CAMP Data

Weschester County Airport PID Readings - 8/19/25			
Upwind		Downwind	
Time	Measurement (ppm)	Time	Measurement (ppm)
9:00	0	9:00	0
9:30	0	9:30	0
10:00	0	10:00	0
10:30	0	10:30	0
11:00	0	11:00	0
11:30	0	11:30	0
12:00	0	12:00	0
12:30	0	12:30	0
13:00	0	13:00	0
13:30	0	13:30	0
14:00	0	14:00	0
14:30	0	14:30	0
15:00	0	15:00	0
15:30	0	15:30	0

Weschester County Airport PID Readings - 8/20/25			
Upwind		Downwind	
Time	Measurement (ppm)	Time	Measurement (ppm)
8:00	0	8:00	0
8:30	0	8:30	0
9:00	0	9:00	0
9:30	0	9:30	0
10:00	0	10:00	0
10:30	0	10:30	0
11:00	0	11:00	0
11:30	0	11:30	0
12:00	0	12:00	0
12:30	0	12:30	0
13:00	0	13:00	0

Soil Sample PID Readings	
Sample	Measurement (ppm)
HVAC - Spoils	0
HVAC - B-NE	0
HVAC - B-SW	0
HVAC - SW-North	0
HVAC - SW-South	0
HVAC - SW-East	0
HVAC - SW-West	0
HVAC - DUP	0
HVAC - MS	0
HVAC - MS DUP	0

Weschester County Airport PID Readings - 12/9/25			
Upwind		Downwind	
Time	Measurement (ppm)	Time	Measurement (ppm)
9:50	0	9:50	0
10:05	0	10:05	0
10:20	0	10:20	0
10:35	0	10:35	0
10:50	0	10:50	0
11:05	0	11:05	0
11:20	0	11:20	0
11:35	0	11:35	0
11:50	0	11:50	0
12:05	0	12:05	0
12:20	0	12:20	0
12:35	0	12:35	0
12:50	0	12:50	0
13:05	0	13:05	0
13:20	0	13:20	0
13:35	0	13:35	0
13:50	0	13:50	0
14:05	0	14:05	0
14:20	0	14:20	0
14:35	0	14:35	0

Weschester County Airport PID Readings - 12/10/25			
Upwind		Downwind	
Time	Measurement (ppm)	Time	Measurement (ppm)
8:20	0	8:20	0
8:35	0	8:35	0
8:50	0	8:50	0
9:05	0	9:05	0
9:20	0	9:20	0
9:35	0	9:35	0
9:50	0	9:50	0
10:05	0	10:05	0
10:20	0	10:20	0
10:35	0	10:35	0
10:50	0	10:50	0
11:05	0	11:05	0

Table 3
CAMP Upwind Results
Westchester County Airport / NYSDEC BCP Site No. C360174
240 Airport Road, West Harrison, NY 10604
July 21, 2025

Elapsed Time [min]	Mass [µg/m^3]
1	18
2	16
3	17
4	17
5	16
6	16
7	16
8	17
9	17
10	16
11	16
12	17
13	17
14	18
15	17
16	17
17	17
18	18
19	18
20	18
21	17
22	17
23	18
24	18
25	19
26	19
27	19
28	19
29	19
30	19
31	19
32	19
33	19
34	19
35	19
36	20

Test Start Time	11:03:46 AM
Test Start Date	7/9/2025
Test Length [D:H:M]	0:03:08
Test Interval [M:S]	1:00
Mass Average [µg/m3]	21
Mass Minimum [µg/m3]	16
Mass Maximum [µg/m3]	26
Mass TWA [µg/m3]	8
Number of Samples	188

Table 3

CAMP Upwind Results

Westchester County Airport / NYSDEC BCP Site No. C360174

240 Airport Road, West Harrison, NY 10604

July 21, 2025

37	21
38	20
39	20
40	19
41	20
42	21
43	21
44	21
45	21
46	21
47	21
48	21
49	21
50	22
51	22
52	23
53	22
54	22
55	21
56	21
57	21
58	21
59	21
60	23
61	22
62	21
63	21
64	21
65	22
66	22
67	22
68	26
69	23
70	23
71	23
72	23
73	23
74	23
75	23
76	23
77	22
78	22

Table 3

CAMP Upwind Results

Westchester County Airport / NYSDEC BCP Site No. C360174

240 Airport Road, West Harrison, NY 10604

July 21, 2025

79	22
80	21
81	22
82	22
83	22
84	22
85	22
86	22
87	23
88	22
89	21
90	22
91	23
92	22
93	22
94	22
95	21
96	20
97	20
98	21
99	21
100	21
101	22
102	22
103	23
104	25
105	23
106	22
107	22
108	22
109	22
110	22
111	22
112	22
113	21
114	21
115	22
116	22
117	22
118	22
119	22
120	23

Table 3

CAMP Upwind Results

Westchester County Airport / NYSDEC BCP Site No. C360174

240 Airport Road, West Harrison, NY 10604

July 21, 2025

121	23
122	23
123	23
124	23
125	23
126	23
127	23
128	22
129	22
130	22
131	22
132	21
133	21
134	21
135	21
136	21
137	21
138	21
139	21
140	21
141	22
142	22
143	22
144	22
145	22
146	22
147	22
148	22
149	22
150	22
151	22
152	23
153	22
154	22
155	22
156	21
157	21
158	22
159	21
160	21
161	21
162	21

Table 3

CAMP Upwind Results

Westchester County Airport / NYSDEC BCP Site No. C360174

240 Airport Road, West Harrison, NY 10604

July 21, 2025

163	21
164	21
165	21
166	21
167	21
168	21
169	21
170	22
171	22
172	22
173	22
174	22
175	22
176	22
177	22
178	22
179	22
180	23
181	23
182	23
183	23
184	23
185	24
186	23
187	23
188	23

Table 2
CAMP Downwind Results
Westchester County Airport / NYSDEC BCP Site No. C360174
240 Airport Road, West Harrison, NY 10604
July 21, 2025

Elapsed Time [min]	Mass [µg/m3]
1	12
2	10
3	10
4	10
5	10
6	10
7	10
8	10
9	10
10	10
11	10
12	10
13	10
14	10
15	10
16	10
17	10
18	9
19	9
20	9
21	9
22	9
23	9
24	10
25	10
26	10
27	9
28	9
29	9
30	9
31	8
32	9
33	9
34	9
35	9
36	9
37	9
38	9
39	9

Test Start Time	11:04:51 AM
Test Start Date	7/9/2025
Test Length [D:H:M]	0:03:04
Test Interval [M:S]	1:00
Mass Average [µg/m3]	9
Mass Minimum [µg/m3]	8
Mass Maximum [µg/m3]	16
Mass TWA [µg/m3]	4
Number of Samples	184

Table 2

CAMP Downwind Results

Westchester County Airport / NYSDEC BCP Site No. C360174

240 Airport Road, West Harrison, NY 10604

July 21, 2025

40	9
41	9
42	9
43	13
44	12
45	10
46	10
47	10
48	10
49	10
50	10
51	10
52	12
53	10
54	10
55	10
56	10
57	10
58	11
59	10
60	9
61	9
62	9
63	10
64	11
65	11
66	16
67	13
68	11
69	11
70	10
71	10
72	10
73	10
74	10
75	10
76	10
77	9
78	9
79	9
80	10
81	10
82	10
83	10

Table 2

CAMP Downwind Results

Westchester County Airport / NYSDEC BCP Site No. C360174

240 Airport Road, West Harrison, NY 10604

July 21, 2025

84	14
85	12
86	9
87	9
88	9
89	9
90	10
91	10
92	10
93	10
94	8
95	8
96	9
97	9
98	10
99	10
100	10
101	9
102	9
103	11
104	13
105	10
106	9
107	9
108	9
109	10
110	10
111	10
112	10
113	10
114	11
115	9
116	10
117	10
118	10
119	10
120	10
121	10
122	10
123	10
124	9
125	9
126	9
127	12

Table 2

CAMP Downwind Results

Westchester County Airport / NYSDEC BCP Site No. C360174

240 Airport Road, West Harrison, NY 10604

July 21, 2025

128	12
129	9
130	9
131	9
132	9
133	9
134	9
135	9
136	8
137	11
138	9
139	9
140	8
141	8
142	8
143	8
144	8
145	8
146	8
147	8
148	8
149	8
150	9
151	9
152	9
153	9
154	9
155	9
156	8
157	9
158	9
159	9
160	9
161	8
162	8
163	8
164	8
165	8
166	8
167	8
168	9
169	9
170	8
171	8

Table 2

CAMP Downwind Results

Westchester County Airport / NYSDEC BCP Site No. C360174

240 Airport Road, West Harrison, NY 10604

July 21, 2025

172	8
173	8
174	8
175	9
176	8
177	8
178	8
179	10
180	8
181	8
182	8
183	8
184	9

Appendix G

Data Usability Report Summary

Quality Assurance Report

For the HPN Environmental Management HVAC Upgrades – JA257006
Sampling Review Solid Samples Collected on August 20, 2025
Sample Delivery Groups 25H1532 and 25H1535

Prepared for: Terracon Consultants, Inc.

Prepared by: Environmental Standards, Inc. *dba* Onterris

May 4, 2026

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For Planet & Progress™

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B. Sample Delivery Group 25H1535
Section 5 Project Correspondence

Introduction

This QA review is based upon an examination of the data generated from the analyses of the 11 solid samples collected on August 20, 2025, at the HPN Environmental Management HVAC Upgrades – JA257006 site in White Plains, New York. These samples were collectively analyzed by ALS Environmental of Stratford, Connecticut (ALS Stratford), for PFAS by US EPA Method 1633A, specific conductance by US EPA Method 120.1, temperature by US EPA Method 170.1, ignitability by SW-846 Method 1030, total metals by SW-846 Method 6010D, total mercury by SW-846 Method SW7473, reactive cyanide by SW-846 Method Ch. 7.3.3.2, reactive sulfide by SW-846 Method Ch. 7.3.4.2, diesel range organics by SW-846 Method 8015D, gas range organics by SW-846 Method 8015D, for organochlorine pesticides by SW-846 Method 8081B, PCBs as Aroclors by SW-846 Method 8082A, herbicides by SW-846 Method 8151A, VOCs by SW-846 Method 8260D, SVOCs by SW-846 Method 8270E, 1,4-dioxane by SW-846 Method 8270E with SIM, pH by SW-846 Method 9045D, and percent solids by SM 2540G.

This review was performed in accordance with the above-referenced analytical methods. This review was performed with guidance from the National Functional Guidelines for Organic Data Review (US EPA, 2020); the National Functional Guidelines for Inorganic Data Review (US EPA, 2020); the National Functional Guidelines for High Resolution Superfund Methods Data Review (US EPA, 2020); Data Validation Guidelines Module 6: Data Validation Procedure for Per- and Polyfluoroalkyl Substances Analysis by QSM Table B-24, (U.S. Department of Defense, 2022); Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), (New York State Department of Environmental Conservation [NYSDEC], April 2023); and “Final DER-10, Technical Guidance for Site Investigation and Remediation, Appendix 2B - Guidance for Data Deliverables and the Development of Data Usability Summary Reports,” (NYSDEC, May 2010). These validation guidance documents specifically address analyses performed in accordance with the CLP analytical methods and are not completely applicable to the type of analyses and analytical protocols performed for the SW-846, SM, and US EPA methods utilized by the laboratory for these samples. Environmental Standards, Inc., *dba* Onterris (Onterris) used professional judgment to determine the quality of the analytical results and compliance relative to the SW-846, SM, and US EPA, and methods utilized by the laboratory.

Data were examined to determine the quality of the analytical results relative to the laboratory acceptance criteria and compliance relative to the requirements specified in the analytical methods. In addition, the deliverables were evaluated for completeness and correctness. Details of this QA review are presented in Section 1 of this report. The reported analytical results and any required data validation qualifications are presented on the qualified data tables in Section 3. The “Validator Qualifiers,” “Interpreted Qualifiers”, “Validated Y/N”, “Validation Level”, and “Validation Result Comment” fields on the validated data summary tables have been updated to reflect all final data validation qualifiers and results. Validation qualifier codes have been placed in the “Validator Qualifiers” fields on the data tables to enable the data user to quickly assess the qualitative and/or quantitative reliability of a result based on the criteria evaluated during this QA review. Finally, the “Validation Result Comment” field has been populated with codes that indicate the reason for the validation qualifiers. Definitions of the validation qualifiers and reason codes are presented in

Section 2. The data reviewer has included copies of validation forms, QC summary forms, COC Record, laboratory Case Narrative, and other documentation needed to support the findings in this QA review in the Data Support Documentation sections (Section 4). The cover sheets for these sections are checklists of the QC procedures required by the protocol and examined in this data review. The Project Correspondence is in Section 5.

The analytical results and associated laboratory QC samples were reviewed to determine the integrity of the reported analytical results and to ensure that the data met the established measurement quality objectives. This QA review includes all samples in ALS Stratford's SDGs 25H1532 and 25H1535. These samples have undergone a Level 4 review.

Table 1 – Samples That Have Undergone Quality Assurance Review

Sample Identification	Laboratory Sample Identification	Laboratory SDG	Matrix	Date Sample Collected	Parameters Examined
HVAC - Spoils	25H1532-01	25H1532	Soil	8/20/25	VOC, SVOC, SVOC[1], Herb, PCB, Pest, PFAS, M, Hg, Temp, GRO, DRO, Reac, Cond, I, pH, S
HVAC SW North-S-1	25H1535-01	25H1535	Soil	8/20/25	PFAS, VOC, S
HVAC SW South-S-1	25H1535-02	25H1535	Soil	8/20/25	PFAS, VOC, S
HVAC SW East-S-1	25H1535-03	25H1535	Soil	8/20/25	PFAS, VOC, S
HVAC SW West-S-1	25H1535-04	25H1535	Soil	8/20/25	PFAS, VOC, S
HVAC SW North 1-3	25H1535-05	25H1535	Soil	8/20/25	PFAS, SVOC, SVOC[1], PCB, Pest, M, Hg, S
HVAC SW South 1-3	25H1535-06	25H1535	Soil	8/20/25	PFAS, SVOC, SVOC[1], PCB, Pest, M, Hg, S
HVAC SW East 1-3	25H1535-07	25H1535	Soil	8/20/25	PFAS, SVOC, SVOC[1], PCB, Pest, M, Hg, S
HVAC SW West 1-3	25H1535-08	25H1535	Soil	8/20/25	PFAS, SVOC, SVOC[1], PCB, Pest, M, Hg, S
HVAC Bottom 3 ft	25H1535-09	25H1535	Soil	8/20/25	PFAS, SVOC, SVOC[1], PCB, Pest, M, Hg, S
HVAC DUP (Field Duplicate of HVAC Bottom 3 ft)	25H1535-10	25H1535	Soil	8/20/25	PFAS, SVOC, SVOC[1], PCB, Pest, M, Hg, S

Parameters Examined:

SVOC - SVOCs by SW-846 Method 8270E. (7 sample analyses)
SVOC[1] - 1,4-Dioxane by SW-846 Method 8270E with SIM (7 sample analyses)
VOC - VOCs by SW-846 Method 8260D. (7 sample analyses)
Herb - Herbicides by SW-846 Method 8151A. (1 sample analysis)
PCB - PCBs as Aroclors by SW-846 Method 8082A. (7 sample analyses)
Pest - Organochlorine Pesticides by SW-846 Method 8081B. (7 sample analyses)
PFAS - PFAS by US EPA Method 1633A. (11 sample analyses)
M - Total Metals by SW-846 Method 6010D. (7 sample analyses)
Hg - Total Mercury by SW-846 Method SW7473. (7 sample analyses)
Temp - Temperature by US EPA Method 170.1. (1 sample analysis)
Cond - Specific Conductance by US EPA Method 120.1. (1 sample analysis)
GRO - Gas Range Organics by SW-846 Method 8015D. (1 sample analysis)
DRO - Diesel Range Organics by SW-846 Method 8015D. (1 sample analysis)
Reac - Reactive Cyanide by SW-846 Method Ch. 7.3.3.2 and Reactive Sulfide by SW-846 Method Ch. 7.3.4.2. (1 sample analysis)
I - Ignitability by SW-846 Method 1030. (1 sample analysis)
pH - pH by SW-846 Method 9045D. (1 sample analysis)
S - Percent Solids by SM 2540G (10 sample analyses)

Section 1 – Quality Assurance Review

Items Reviewed

- COC Records and Case Narratives
- Holding Times
- Sample Preparation
- LCS/LCSD Recovery and Precision
- Field Duplicate Precision
- Surrogate Recovery
- Instrument Calibration Results
- Internal Standard Area Count/Recovery
- Serial Dilution Results
- QL Standard
- Percent Solids
- Results Reported Between the MDL and QL
- Data Package Completeness
- Sample Login
- Sample Preservation
- Blank Results
- MS/MSD Recovery and Precision
- Laboratory Replicate Evaluation
- Instrument Performance Checks
- ICV and CCV Results
- PDS Results
- ICS Results
- Sample Quantitation
- Analytical Sequence
- Qualitative Evaluation

Based upon review of the data package provided, the following issues and data qualifiers are offered. Data quality issues represent an interpretation of the QC results obtained for the project samples. Quite often, data qualifications address issues relating to sample matrix problems. Similarly, the data validation guidelines routinely specify areas of the data that require qualification, yet the methods used for analysis may not require corrective action by the laboratory. Accordingly, the following issues should not be construed as an indication of laboratory performance.

Comments:

1. In the PFAS, DRO, GRO, and Herbicides fractions of SDG 25H1532, an LCSD, MSD, or laboratory duplicate were not analyzed; therefore, precision could not be evaluated for these analyses.
2. One field duplicate pair, SDG 25H1535 sample HVAC Bottom 3 ft and its field duplicate, sample HVAC DUP, was collected and analyzed with this data set. Acceptable precision and sample representativeness were observed.
3. For the samples below, the sample IDs on the COC Record were inconsistent with the sample IDs in the laboratory report. The sample IDs used on Table 1 and in this report are consistent with the laboratory report. Qualification due to this issue was not warranted.

SDG	Sample ID on COC Record	Sample ID in Laboratory Report
25H1535	HVAC SW North .5-1	HVAC SW North-S-1
25H1535	HVAC SW South .5-1	HVAC SW South-S-1
25H1535	HVAC SW East .5-1	HVAC SW East-S-1
25H1535	HVAC SW West .5-1	HVAC SW West-S-1
25H1535	HVAC Bottom 3’	HVAC Bottom 3 ft

4. The analytical data packages reviewed did not include sufficient information to confirm the reported IARs for the PFAS analyses. The reported IARs were utilized for sample evaluation. Qualification due to this issue was not warranted.
5. During the review of the SVOC fraction, the data reviewer noted inconsistencies with surrogate names. The summary forms listed the surrogate as “phenol-d6” while the corresponding surrogate in the Raw Data is listed as “phenol-d5.” Qualification due to this issue was not warranted.
6. During the review of the PFAS fraction, the data reviewer noted that the initial calibration regression lines were forced through zero for most of the target analytes. According to Section 10.3.3 of Method 1633A, the regression must not be forced through zero. Qualification due to this issue was not warranted.
7. In the percent solids fraction of SDG 25H1535, the reviewer observed the following transcription errors in the tare weight between the handwritten batch log and the laboratory calculation of the percent solids results. Qualification due to this issue was not warranted.

Sample	Tare Weight on Handwritten Log (g)	Tare Weight Used in Laboratory Calculation (g)	% Solids Reported by the Laboratory	% Solids Calculated from Handwritten Log
HVAC SW West-S-1	1.3134	1.03134	90.6	90.1
HVAC Bottom 3 ft	1.3207	1.207	91.5	91.4

Qualification:

With respect to data quality, the principal areas of concern are out-of-criteria instrument sensitivity check recoveries, out-of-criteria calibration verification recoveries, out-of-criteria internal standard recoveries, out-of-criteria LCS recoveries, differences in chromatographic patterns between the sample and calibration standard, out-of-criteria transition ion ratios, a critical mass assignment error, LD imprecision, out-of-criteria MS recoveries, MS/MSD imprecision, out of criteria PDS recoveries, SD imprecision, high surrogate recoveries, blank contamination, and results reported between the MDL and QL . Based on a review of the data provided, the following data qualifiers are offered. The following data quality issues represent an interpretation of the QC results obtained for the project samples. Accordingly, the following data quality issues should not necessarily be construed as an indication of laboratory performance.

- The reported “not-detect” results for PFNS in all samples should be considered unreliable and have been flagged “UR” on the data tables. Very low recoveries (< 30%) were observed for PFNS in the instrument sensitivity check (ISC) results associated with these samples. (Validation Reason Code: CV-)
- The reported “not-detect” results for HFPO-DA in all samples should be considered unreliable and have been flagged “UR” on the data tables. Very low recoveries (< 50%) were observed for HFPO-DA in the CCV results associated with these samples. Additionally, low recoveries (< 70% and ≥ 30%) were observed for HFPO-DA in the ISC results associated with these samples. (Validation Reason Code: CV-)

- The reported “not-detected” results for 1,4-dioxane (p-dioxane) for all samples in SDG 25H1535 should be considered unreliable and have been flagged “UR” on the data tables. The tune report indicated a critical mass assignment error in m/z ratio 442. (Validation Reason Code: TN)
- The reported “not-detected” results for the compounds on the table below should be considered unreliable and have been flagged “UR” on the data tables. Very low recoveries were observed in the LCS results associated with these samples. (Validation Reason Code: LC-)

SDG	Sample(s)	Compound flagged “UR”
25H1532	HVAC - Spoils	2-butanone
25H1535	HVAC SW North-S-1, HVAC SW South-S-1	2-butanone

- The reported “not-detected” results for 2-butanone for SDG 25H1535 samples HVAC SW North-S-1 and HVAC SW South-S-1 should be considered unreliable and have been flagged “UR” on the data tables. Very low recoveries (< the lower laboratory acceptance limit) were observed in the associated SS analyses. (Validation Reason Code: SS-)
- The reported “not-detect” results for all VOCs in SDG 25H1535 sample HVAC SW North-S-1 should be considered unreliable and have been flagged “UR” on the data tables. In addition, the reported positive results for all VOCs in this sample should be considered estimated and have been flagged “J-” on the data tables. Very low recoveries (< 25%) were observed in the associated internal standards. (Validation Reason Code: IS-)
- The MDLs and QLs for the compounds on the table below may be higher than reported, and the “not-detected” results have been flagged “UJ” (unless flagged “UR”) on the data tables. Low recoveries (< the lower laboratory acceptance limit) were observed in the LCS results associated with these samples. (Validation Reason Code: LC-)

SDG	Sample(s)	Compounds with Estimated MDLs and QLs (“UJ”) (Unless “UR”)
25H1532	HVAC - Spoils	NMeFOSAA, HFPO-DA, and PFNS
25H1535	All samples	NMeFOSAA, HFPO-DA, and PFNS

- The MDLs and QLs for the compounds on the table below may be higher than reported, and the “not-detected” results have been flagged “UJ” (unless flagged “UR”) on the data tables. Low recoveries (< the lower laboratory acceptance limit) were observed in the MS/MSD results associated with these samples. (Validation Reason Code: MS-)

SDG	Sample	Compounds with Estimated MDLs and QLs ("UJ") (Unless "UR")
25H1535	HVAC Bottom 3 ft	HFPO-DA and PFUnA

- The MDLs and QLs for the compound on the table below may be higher than reported, and the "not-detected" results have been flagged "UJ" on the data tables. Low recoveries (< the lower laboratory acceptance limit) were observed for the EIS used to quantitate this compound in the analyses of these samples. (Validation Reason Code: IS)

SDG	Samples	Compound with Estimated MDLs and QLs ("UJ")
25H1535	HVAC SW South-S-1 and HVAC SW East-S-1	4:2 FTS

- The MDLs and QLs for the compound on the table below may be higher than reported, and the "not-detected" results have been flagged "UJ" on the data tables. High recoveries (> the upper laboratory acceptance limit) were observed for the EIS used to quantitate these compounds in the analyses of these samples. (Validation Reason Code: IS)

SDG	Sample(s)	Compound with Estimated MDLs and QLs ("UJ")
25H1532	HVAC - Spoils	PFNA
25H1535	HVAC SW East 1-3, HVAC Bottom 3 ft, and HVAC DUP	PFNA

- The reported positive results for PFOSA in SDG 25H1535 samples HVAC SW North-S-1 and HVAC SW North 1-3 should be considered estimated and have been flagged "J" on the data tables. In the chromatograms for these samples, the response for the peak that was included in the response for PFOSA, and used to quantitate the results, had a significantly different chromatographic pattern than the pattern reported from the calibration standard. (Validation Reason Code: LB)
- The reported positive results on the table below should be considered estimated and have been flagged "J" on the data tables. The ion transition ratios were observed to be out-of-criteria (ion ratio 50-150% of average ion ratio observed in the initial calibration standards) for the following analytes. (Validation Reason Code: QCP)

SDG	Sample	Compound with Estimated Positive Results ("J")
25H1535	HVAC SW North 1-3	PFUnA
25H1535	HVAC SW East-S-1	PFHxA
25H1535	HVAC SW West-S-1	PFDoA

- The reported positive results on the table below should be considered estimated and have been flagged "J+" on the data tables. Blank contamination (>4× blank concentration and <10× blank concentration) was observed in the associated Trip Blank. (Validation Reason Code: BT+)

SDG	Samples	Compound with Estimated Positive Results ("J+")
25H1535	HVAC SW West-S-1, HVAC Bottom 3 ft, and HVAC DUP	acetone

- The reported positive results on the table below should be considered estimated and have been flagged "J-" on the data tables. Low recovery (< 75%) was observed in the associated MS analyses, but the PDS met acceptance criteria. (Validation Reason Code: MS-)

SDG	Sample	Analytes with Estimated Positive Results ("J-")
25H1532	HVAC - Spoils	chromium and zinc

- The MDLs and QLs for the analyte on the table below may be higher than reported, and the "not-detected" results have been flagged "UJ" on the data tables. Low recovery (< 75%) was observed in the associated MS analyses, but the PDS met acceptance criteria. (Validation Reason Code: MS-)

SDG	Sample(s)	Analyte with Estimated MDLs and QLs ("UJ")
25H1532	HVAC - Spoils	antimony
25H1535	HVAC SW North 1-3, HVAC SW South 1-3, HVAC SW East 1-3, HVAC SW West 1-3, HVAC Bottom 3 ft, and HVAC DUP	antimony

- The reported positive results on the table below should be considered estimated and have been flagged “J+” (unless flagged “J”) on the data tables. High recoveries (> 125%) were observed in the associated PDS analyses. (Validation Reason Code: PD+)

SDG	Samples	Analytes with Estimated Positive Results (“J+”) (Unless “J”)
25H1535	HVAC SW North 1-3, HVAC SW South 1-3, HVAC SW East 1-3, HVAC SW West 1-3, HVAC Bottom 3 ft, and HVAC DUP	aluminum, calcium, and magnesium

- The reported positive results on the table below should be considered estimated and have been flagged “J-” (unless flagged “J”) on the data tables. Low recovery (< 75%) was observed in the associated PDS analyses. (Validation Reason Code: PD-)

SDG	Sample(s)	Analytes with Estimated Positive Results (“J-”) (Unless “J”)
25H1532	HVAC - Spoils	calcium and iron
25H1535	HVAC SW North1-3, HVAC SW South 1-3, HVAC SW East 1-3, HVAC SW West 1-3, HVAC Bottom 3 ft, and HVAC DUP	iron and potassium

- The reported positive results on the table below should be considered estimated and have been flagged “J” on the data tables. A large discrepancy (%RPD >35%) was observed in the associated LD analysis. (Validation Reason Code: LD)

SDG	Sample(s)	Analytes with Estimated Positive Results (“J”)
25H1532	HVAC - Spoils	calcium
25H1535	HVAC SW North 1-3, HVAC SW South 1-3, HVAC SW East 1-3, HVAC SW West 1-3, HVAC Bottom 3 ft, and HVAC DUP	calcium, magnesium, and sodium

- The reported positive results on the table below should be considered estimated and have been flagged “J” on the data tables. A large discrepancy (%D > 10% when the initial result was > 50× the MDL) was observed in the associated SD analyses. (Validation Reason Code: SD)

SDG	Sample(s)	Analytes with Estimated Positive Results (“J”)
25H1532	HVAC - Spoils	aluminum, calcium, magnesium, manganese, and potassium
25H1535	HVAC SW North 1-3, HVAC SW South 1-3, HVAC SW East 1-3, HVAC SW West 1-3, HVAC Bottom 3 ft, and HVAC DUP	aluminum, calcium, chromium, iron, magnesium, manganese, and potassium

- The reported positive results on the table below should be considered estimated and have been flagged “J+” on the data tables. High recoveries (> the upper laboratory acceptance limit) were observed in the associated LCS analyses. (Validation Reason Code: LC+)

SDG	Sample(s)	Compound with Estimated Positive Results (“J+”)
25H1532	HVAC - Spoils	acetone
25H1535	HVAC SW West-S-1, HVAC Bottom 3 ft, and HVAC DUP	acetone

- The MDLs and QLs for 2,4-dinitrophenol in SDG 25H1535 samples HVAC SW North 1-3, HVAC SW South 1-3, HVAC SW East 1-3, HVAC SW West 1-3, and HVAC Bottom 3 ft may be higher than reported, and the “not-detected” results have been flagged “UJ” on the data tables. The laboratory was unable to recover 2,4-dinitrophenol in the LCS associated with these samples. (Validation Reason Code: LC-)
- The MDLs and QLs for the compounds on the table below may be higher than reported, and the “not-detected” results have been flagged “UJ” (unless flagged “UR”) on the data tables. Low recoveries (< the lower laboratory acceptance limit) were observed in the associated LCS analyses. (Validation Reason Code: LC-)

SDG	Sample(s)	Compound(s) with Estimated MDLs and QLs ("UJ")
25H1532	HVAC - Spoils	benzoic acid; 1,1-dichloroethane; 1,2,3-trichlorobenzene; 1,2,4-trichlorobenzene; acrylonitrile; hexachlorobutadiene (VOC); n-butylbenzene; tert-butylbenzene; and tetrachloroethene (PCE)
25H1535	HVAC SW North-S-1 and HVAC SW South-S-1	1,1-dichloroethane; hexachlorobutadiene (VOC); n-butylbenzene; tert-butylbenzene; and tetrachloroethene
25H1535	HVAC DUP	benzoic acid

- The MDLs and QLs for 2,4-dinitrophenol in SDG 25H1535 samples HVAC Bottom 3 ft and HVAC DUP may be higher than reported and the "not-detected" results have been flagged "UJ" on the data tables. Low recoveries (< the lower laboratory acceptance limit) were observed in the associated MS analyses. (Validation Reason Code: MS-)
- The reported positive results for benzo(a)pyrene and benzo(g,h,i)perylene in SDG 25H1535 samples HVAC Bottom 3 ft and HVAC DUP should be considered estimated and have been flagged "J" on the data tables. High relative percent difference (>30%) was observed between the associated MS/MSD results. (Validation Reason Code: MSP)
- The reported positive results on the table below should be considered estimated and have been flagged "J+" on the data tables. High recoveries (> the upper laboratory acceptance limit) were observed in the associated SS analyses. (Validation Reason Code: SS+)

SDG	Samples	Compound with Estimated Positive Results ("J+")
25H1535	HVAC SW West-S-1, HVAC Bottom 3 ft, and HVAC DUP	acetone

- The MDLs and QLs for the compounds on the table below may be higher than reported, and the "not-detected" results have been flagged "UJ" (unless flagged "UR") on the data tables. Low recoveries (< the lower laboratory acceptance limit) were observed in the associated SS analyses. (Validation Reason Code: SS-)

SDG	Sample(s)	Compound(s) with Estimated MDLs and QLs ("UJ")
25H1532	HVAC - Spoils	1,1-dichloroethane and acrylonitrile
25H1535	HVAC SW East-S-1, HVAC SW West-S-1, HVAC Bottom 3 ft, and HVAC DUP	dichlorodifluoromethane
25H1535	HVAC SW North-S-1 and HVAC SW South-S-1	1,1-dichloroethane and acrylonitrile

- The reported positive results for the compounds on the table below should be considered estimated and have been flagged "J+" on the data tables. High percent differences (> 20%) indicating a sensitivity increase were observed in a bracketing CCV. (Validation Reason Code: CV+)

SDG	Sample(s)	Compound(s) with Estimated Positive Results ("J+")
25H1532	HVAC - Spoils	acetone
25H1535	HVAC SW South-S-1, HVAC SW West-S-1, HVAC Bottom 3 ft, and HVAC DUP	acetone
25H1535	HVAC SW North 1-3 and HVAC SW South 1-3	benzo(g,h,i)perylene and dibenz(a,h)anthracene
25H1535	HVAC SW East 1-3	indeno(1,2,3-c,d)pyrene

- The MDLs and QLs for the compounds on the table below may be higher than reported, and the "not-detected" results have been flagged "UJ" on the data tables. High percent differences (> 20%) indicating a sensitivity decrease were observed in a bracketing CCV. (Validation Reason Code: CV-)

SDG	Sample(s)	Compound(s) with Estimated MDLs and QLs (“UJ”)
25H1532	HVAC - Spoils	1,1-dichloroethane; acrylonitrile; dichlorodifluoromethane; hexachlorocyclopentadiene (SVOC); and 3- & 4-methylphenols
25H1535	HVAC SW North-S-1 and HVAC SW South-S-1	1,1-dichloroethane; acrolein; acrylonitrile; dichlorodifluoromethane; and 4-methyl-2-pentanone
25H1535	HVAC SW East-S-1, HVAC SW West-S-1, HVAC Bottom 3 ft, and HVAC DUP	methyl chloride
25H1535	HVAC SW West 1-3 and HVAC Bottom 3 ft	1,2-diphenylhydrazine; benzo(a)pyrene; benzo(g,h,i)perylene; benzo(k)fluoranthene; bis(2-chloroethyl)ether; dibenz(a,h)anthracene; indeno(1,2,3-c,d)pyrene; and n-nitrosodimethylamine
25H1535	HVAC SW West-S-1, HVAC Bottom 3 ft, and HVAC DUP	hexachlorocyclopentadiene (SVOC)
25H1535	HVAC SW North 1-3, HVAC SW South 1-3, and HVAC DUP	3- & 4-methylphenols

- The reported positive results for the compounds on the table below should be considered estimated and have been flagged “J” on the data tables. Isomers with peaks that were not >50% resolved were observed in the sample chromatograms. (Validation Reason Code: IN)

SDG	Sample(s)	Compounds with Estimated Positive Results (“J”)
25H1532	HVAC - Spoils	benzo(b)fluoranthene and benzo(k)fluoranthene
25H1535	HVAC SW North 1-3, HVAC SW South 1-3, HVAC SW East 1-3, HVAC SW West 1-3, HVAC Bottom 3 ft, and HVAC DUP	benzo(b)fluoranthene and benzo(k)fluoranthene

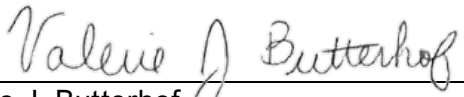
- The reported positive results for the compounds in the table below should be considered estimated and have been flagged "J+" on the data tables. High recovery (> upper laboratory limit) was observed in the associated surrogates. (Validation Reason Code: SR+)

SDG	Sample	Compounds with Estimated Positive Results ("J+")
25H1535	HVAC SW North-S-1	acetone and methylene chloride

- All positive results reported between the MDL and QL should be considered estimated and have been flagged "J" on the data tables. (Validation Reason Code: RL)
- When sample results were qualified both as estimated with a direction of bias ("J+" or "J-") and as estimated with unknown bias ("J") or the opposite bias, only the unknown bias qualifier has been included in the EDD and on the data tables.
- This QA review has identified several aspects of the data that required qualification. In order to use any of the data, the data user should understand the qualifications and limitations specified in this QA review.

Signatures

Validation performed by:



Valerie J. Butterhof — 5/4/26
Quality Assurance Chemist — Date

Validation reviewed by:



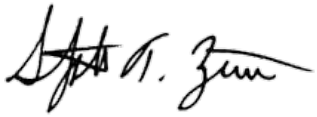
Aaron K. Sobel — 5/4/26
Quality Assurance Chemist — Date

Report approved by:



Heather S. Paul, M.S. — 5/4/26
Project Quality Assurance Chemist — Date

Report approved by:



Stephen T. Zeiner, CEAC — 5/4/26
Principal Chemist/Project Manager — Date

Section 2 Data Qualifiers, Reason Codes, and Acronyms

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Data Qualifiers

Qualifiers	Definitions
U	The analyte was not detected above the associated reporting limit.
UB	The analyte should be considered “not-detected” because it was observed in an associated laboratory or field blank at a similar level. The analyte was positively identified; the associated numerical value represents the concentration reported by the laboratory but may be impacted by contamination.
UJ	The analyte was not detected above the reported sample quantitation limit; however, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity and should be considered biased high.
J-	The result is an estimated quantity and should be considered biased low.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification.”
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.
R	The analyte was reported as detected, but sample results are unreliable due to serious analytical deficiencies. The presence or absence of the analyte cannot be verified.
UR	The analyte was reported as not detected, but the determination that the analyte was not present in the sample is unreliable due to serious analytical deficiencies. The presence or absence of the analyte cannot be verified.

Reason Codes and Explanations

Reason Code[1]	Description
1 For any Reason Code that does not indicate that the potential bias is indeterminate, the "+" or "-" reason code is appended to the qualification reason code in order to indicate a direction of bias	
+	The associated quality control item indicates a potential high bias in the sample result
-	The associated quality control item indicates a potential low bias in the sample result
AST	Compound not quantitated against an authentic standard; potential bias indeterminate
BF	Contamination present in a field blank (*e.g.*, Field Blank, Equipment Blank, *etc.*); evaluation criteria exceeded
BL	Contamination present in a laboratory blank (*e.g.*, Method Blank, Instrument Blank, *etc.*); evaluation criteria exceeded
BN	Elevated detection limit or estimated result due to negative instrument drift (*e.g.*, negative instrument blank result with an absolute value > 2× the method detection limit)
BT	Contamination present in the Trip Blank; evaluation criteria exceeded
CC	Possible contamination due to carryover from a previous sample
CR	Calculated result in which one or more of the components has been qualified
CRQ	Calculated result flagged due to reporting protocol
CT	Cooler temperature criteria not met
CV	Continuing calibration verification evaluation criteria not met
CY	Chemical Yield recovery criteria not met
DI	Detector instability (radionuclide chemistry); potential bias indeterminate
EC	Result exceeds the calibration range; potential bias indeterminate
EP	Estimated Maximum Possible Concentration (EMPC)
FD	Field duplicate imprecision; potential bias indeterminate
FP	Target compound identification criteria not met; potential false positive
GH	Headspace present in the gamma spectrometer sample analysis vessel; potential bias indeterminate
GS	Low sample density in the gamma spectrometer sample analysis vessel; potential bias indeterminate
HT	Holding time exceeded
HV	Headspace present in volatile vials
IC	Initial calibration evaluation criteria not met
IN	Interference (*e.g.*, laboratory, chemical, chromatographic/instrumental, and/or matrix) present in the analysis
IR	Interference check standard evaluation criteria not met
IS	Internal standard evaluation criteria not met
LB	Composition (linear/branched) of the PFAS analyte in the sample is significantly different than the composition (linear/branched) of the PFAS analyte in the calibration standards used for quantitation, potential bias indeterminate

Reason Code[1]	Description
LC	Laboratory control sample/laboratory control sample duplicate recovery criteria not met
LCP	Laboratory control sample/laboratory control sample duplicate precision criteria not met; potential bias indeterminate
LD	Laboratory duplicate precision criteria not met; potential bias indeterminate
LM	The lock mass selected ion current profiles indicate that ion suppression is evident
LR	Linear range exceeded; potential bias indeterminate
MDP	Laboratory deviated from the method for a method-defined parameter, based on regulatory requirements
MS	Matrix spike/matrix spike duplicate recovery criteria not met
MSP	Matrix spike/matrix spike duplicate precision criteria not met; potential bias indeterminate
NQC	Absence of supporting quality control samples
PD	Post-digestion spike recovery criteria not met
OT	Other deficiencies, see validation report for additional details
PM	Performance evaluation mixture criteria not met
PS	Low percent solids; potential bias indeterminate
PT	Chromatographic pattern in sample does not match pattern of calibration standard
QCI	Quantitation/confirmation ion ratios in sample are inconsistent with reference spectra; potential bias indeterminate
QCP	Quantitation/qualification ion transition ratio did not meet criteria; potential bias indeterminate
RA	Replicate/multiple analyses criteria not met; potential bias indeterminate
RM	Reference material recovery criteria not met
RL	The analysis meets all qualitative identification criteria, but the measured concentration is between the method detection limit and the quantitation or reporting limit; potential bias indeterminate
RS	Reporting limit standard(s) outside of acceptance limits
SA	Method of standard additions criteria not met; potential bias indeterminate
SC	Relative percent difference between two columns exceeds criteria; potential bias indeterminate
SCC	Second column confirmation was not performed as required by the analysis method
SCT	Sample counting time error (radionuclide chemistry); potential bias indeterminate
SD	Serial dilution results did not meet evaluation criteria
SP	Sample preservation criteria not met
SR	Surrogate recovery criteria not met
SS	Second source calibration verification/initial calibration verification criteria not met
ST	Sample container type incorrect
SU	Sample result is less than the two-sigma uncertainty
SUN	Absolute value of the negative sample result is greater than the two-sigma uncertainty
SW	Sample switch suspected
TD	Result for dissolved constituent significantly exceeded result for total constituent; potential bias indeterminate

Reason Code[1]	Description
TIC	Tentatively identified compound, quantified using an assumed calibration factor; potential bias indeterminate
TID	Tentatively identified compound; results reported as identified by the laboratory – identifications not verified
TIR	Tentatively identified compound; observed in an associated laboratory, equipment, field, or trip blank.
TN	Instrument tune criteria not met
Y	Potential bias due to the y-intercept in the calibration curve significantly affecting the analyte response

Acronyms and Abbreviations

Acronym/ Abbreviation	Description
ADEC	Alaska Department of Environmental Conservation
AES	Atomic Emission Spectrometry
Aq	Aqueous
ASTM	American Society for Testing and Materials
BEX	Benzene, Ethylbenzene, and Xylene
BFB	Bromofluorobenzene
BOD	Biochemical Oxygen Demand
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
°C	Celsius (degree)
CaCO3	Calcium Carbonate
CAS #	Chemical Abstract Service Number(s)
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCC	Calibration Check Compound
CCV	Continuing Calibration Verification
CEAC	Certified Environmental Analytical Chemist
CF	Calibration Factor
CFR	Code of Federal Regulations
CLP	Contract Laboratory Program
COA	Certificate of Analysis
COC	Chain-of-Custody
COD	Chemical Oxygen Demand
CoD	Coefficient of Determination
CRDL	Contract-Required Detection Limit
CRQL	Contract-Required Quantitation Limit
CVAA	Cold Vapor Atomic Absorption
%D	Percent Difference
DAI	Direct Aqueous Injection
DCS	Detectability Check Sample
DF	Dilution Factor
DFTPP	Decafluorotriphenylphosphine
DO	Dissolved Oxygen
DOC	Dissolved Organic Carbon
DOD	Department of Defense
DOE	Department of Energy
DQO	Data Quality Objective
DRO	Diesel Range Organic

Acronym/ Abbreviation	Description
DUP	Sample Duplicate
DVM	Data Verification Module
E. coli	Escherichia coli
ECD	Electron Capture Detector
EDB	Ethylene Dibromide
EDD	Electronic Data Deliverable
EDL	Estimated Detection Limit
EICP	Extracted Ion Current Profile
EIS	Extracted Internal Standard
EML	Environmental Measurements Laboratory
EMPC	Estimated Maximum Possible Concentration
°F	Fahrenheit (degree)
FID	Flame Ionization Detector
FWHM	Full Width Half Maximum
GAC	Granular Activated Carbon
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
GPC	Gel Permeation Chromatography
GRO	Gasoline Range Organic
GW	Groundwater
HASL	Health and Safety Laboratory
HCl	Hydrochloric Acid
HDPE	High Density Polyethylene
HEM	Hexane Extractable Material
HPLC	High Performance Liquid Chromatography
HPLC/UV	High Performance Liquid Chromatography/Ultraviolet
HRGC/HRMS	High Resolution Gas Chromatography/High Resolution Mass Spectrometry
IC	Ion Chromatography
ICAL	Initial Calibration
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma
ICP/AES	Inductively Coupled Plasma/Atomic Emission Spectrometry
ICP/MS	Inductively Coupled Plasma/Mass Spectrometry
ICS	Interference Check Sample
ICSA	Interference Check Sample [A]
ICSAB	Interference Check Sample [A & B]
ICV	Initial Calibration Verification

Acronym/ Abbreviation	Description
ID	Identification
IDL	Instrument Detection Limit
KD	Kuderna-Danish Concentrator
LC	Liquid Chromatography
LC/MS	Liquid Chromatography/Mass Spectrometry
LC/MS/MS	Liquid Chromatography/Tandem Mass Spectrometry
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LIMS	Laboratory Information Management System
LLE	Liquid-Liquid Extraction
LOD	Limit of Detection
LOQ	Limit of Quantitation
M.S.	Master of Science
MARLAP	Multi-Agency Radiological Laboratory Analytical Protocols
MB	Method Blank
MBAS	Methylene Blue Active Substances
MCAWW	Method for Chemical Analysis of Water and Wastes
MDA	Minimum Detectable Activity
MDC	Minimum Detectable Concentration
MDL	Method Detection Limit
MF	Membrane Filter
mg/L	Milligrams per Liter
MRL	Method Reporting Limit
MS	Mass Spectrometry/Matrix Spike
MS/MS	Tandem Mass Spectrometry
MS/MSD	Matrix Spike/Matrix Spike Duplicate
MSA	Method of Standards Addition
MSI	Matrix Spike Insoluble
MTBE	Methyl Tertiary Butyl Ether
MTF	Multiple-Tube Fermentation
N	Nitrogen
ND	Not Detected (at or above the detection limit) or “Not-Detected”
NJDEP	New Jersey Department of Environmental Protection
NIS	Injection Internal Standard
NORM	Naturally Occurring Radioactive Material(s)
NYSDEC	New York State Department of Environmental Conservation
ORP	Oxidation Reduction Potential

Acronym/ Abbreviation	Description
P.G.	Professional Geologist/Geoscientist
PA DEP	Pennsylvania Department of Environmental Protection
PAH	Polycyclic/Polynuclear Aromatic Hydrocarbon (or Polyaromatic)
PCB	Polychlorinated Biphenyl
PCDD	Polychlorinated Dibenzo-p-Dioxin
PCDF	Polychlorinated Dibenzofuran
PDS	Post-digestion Spike
PFAS	Perfluorinated and Polyfluorinated Alkyl Substances
Ph.D.	Doctor or holds a Doctorate Degree
PM	Project Manager
PMP	Project Management Professional
ppb	parts per billion
ppm	parts per million
ppt	parts per trillion
PQL	Practical Quantitation Limit
PRDL	Project-Required Detection Limit
PRQL	Project-Required Quantitation Limit
PRRL	Project-Required Reporting Limit
PVC	Polyvinyl Chloride
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QC	Quality Control
QL	Quantitation Limit
RER	Replicate Error Ratio
RF	Response Factor
RL	Reporting Limit
RPD	Relative Percent Difference
RRF	Relative Response Factor
RRO	Residual Range Organic
RRT	Relative Retention Time
RSD	Relative Standard Deviation
RT	Retention Time
S/N	Signal-to-Noise
SAP	Sampling and Analysis Plan
SCUR	Sample Conditions Upon Receipt
SDG	Sample Delivery Group
Sed	Sediment
SGC	Silica Gel Cleanup

Acronym/ Abbreviation	Description
SGT	Silica Gel Treatment
SICP	Selected Ion Current Profile
SIM	Selective Ion Monitoring
SM	Standard Methods for the Analysis of Water and Wastewater
SOP	Standard Operating Procedure
SOW	Statement of Work
SS	Second source calibration verification/initial calibration verification
SPCC	System Performance Check Compound
SU	Standard Units
SVOC	Semivolatile Organic Compound
SW	Surface Water
SW-846	Test Methods for Evaluating Solid Waste Physical/Chemical Method
TBA	Tert-butyl Acetate
TCDD	Dioxin (Tetrachlorodibenzo-p-dioxin)
TCDF	Tetrachlorodi-benzofurans
TCE	Trichloroethylene
TCEQ	Texas Commission on Environmental Quality
TCLP	Toxicity Characteristic Leaching Procedure
TCP	Trichloropropane
TDS	Total Dissolved Solids
TENORM	Technologically Enhanced Naturally Occurring Radioactive Material(s)
TIC	Tentatively Identified Compound
TKN	Total Kjeldahl Nitrogen
TOC	Total Organic Carbon
TOD	Total Oxygen Demand
TOX	Total Organic Halogen/Total Organic Halides
TPH	Total Petroleum Hydrocarbon
TSM	Technical Specifications Manual
TSS	Total Suspended Solids
µg/L	Micrograms per Liter
UCL	Upper Control Limit
US	United States
USACE	United States Army Corps of Engineers
US EPA	United States Environmental Protection Agency
VA DEQ	Virginia Department of Environmental Quality
VOC	Volatile Organic Compound
VPH	Volatile Petroleum Hydrocarbon
VTSR	Validated Time of Sample Receipt

Acronym/ Abbreviation	Description
WET	Whole Effluent Toxicity
WO	Work Order(s)
WP	Work Plan
ZHE	Zero Headspace Extraction/Extractor

Section 3 Analytical Results

A. Sample Delivery Group 25H1532

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC - SPOILS	E120.1	1	25H1532-01	11.5	COND	Conductivity	69.46	TRG	Yes	Y				Y	1.000	1.000	1.000	umhos/cm	Level 4	
HVAC - SPOILS	E170.1	1	25H1532-01	11.5	TEMP	Temperature for sample or purge water	21.6	TRG	Yes	Y				Y	1.00	1.00	1.00	deg c	Level 4	
HVAC - SPOILS	SM 2540G	1	25H1532-01	11.5	SOLID	Solids, Percent	88.5	TRG	Yes	Y				Y	0.100	0.100	0.100	%	Level 4	
HVAC - SPOILS	SW1030	1	25H1532-01	11.5	IGNITB	Ignitability		TRG	Yes	N	U		U	Y	1	1	1	none	Level 4	
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7429-90-5	Aluminum	11100	TRG	Yes	Y		J	J	Y	4.71	4.71	4.71	mg/kg	Level 4	SD
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7440-36-0	Antimony		TRG	Yes	N	U	UJ	UJ	Y	2.35	2.35	2.35	mg/kg	Level 4	MS-
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7440-38-2	Arsenic	2.33	TRG	Yes	Y				Y	1.41	1.41	1.41	mg/kg	Level 4	
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7440-39-3	Barium	76.9	TRG	Yes	Y				Y	2.35	2.35	2.35	mg/kg	Level 4	
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7440-41-7	Beryllium		TRG	Yes	N	U		U	Y	0.047	0.047	0.047	mg/kg	Level 4	
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7440-43-9	Cadmium		TRG	Yes	N	U		U	Y	0.282	0.282	0.282	mg/kg	Level 4	
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7440-70-2	Calcium	26500	TRG	Yes	Y	B	J	J	Y	4.71	4.71	4.71	mg/kg	Level 4	LD,PD-,SD
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7440-47-3	Chromium, Total	21.1	TRG	Yes	Y		J-	J-	Y	0.471	0.471	0.471	mg/kg	Level 4	MS-
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7440-48-4	Cobalt	8.18	TRG	Yes	Y				Y	0.376	0.376	0.376	mg/kg	Level 4	
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7440-50-8	Copper	22.1	TRG	Yes	Y				Y	1.88	1.88	1.88	mg/kg	Level 4	
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7439-89-6	Iron	17900	TRG	Yes	Y		J-	J-	Y	23.5	23.5	23.5	mg/kg	Level 4	PD-
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7439-92-1	Lead	10.5	TRG	Yes	Y				Y	0.471	0.471	0.471	mg/kg	Level 4	
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7439-95-4	Magnesium	6270	TRG	Yes	Y		J	J	Y	4.71	4.71	4.71	mg/kg	Level 4	SD
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7439-96-5	Manganese	328	TRG	Yes	Y		J	J	Y	0.471	0.471	0.471	mg/kg	Level 4	SD
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7440-02-0	Nickel	14.8	TRG	Yes	Y				Y	0.938	0.938	0.938	mg/kg	Level 4	
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7440-09-7	Potassium	2910	TRG	Yes	Y		J	J	Y	4.71	4.71	4.71	mg/kg	Level 4	SD
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7782-49-2	Selenium		TRG	Yes	N	U		U	Y	2.35	2.35	2.35	mg/kg	Level 4	
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7440-22-4	Silver		TRG	Yes	N	U		U	Y	0.475	0.475	0.475	mg/kg	Level 4	
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7440-23-5	Sodium	407	TRG	Yes	Y				Y	47.1	47.1	47.1	mg/kg	Level 4	
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7440-28-0	Thallium		TRG	Yes	N	U		U	Y	1.13	1.89	1.89	mg/kg	Level 4	
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7440-62-2	Vanadium	31.0	TRG	Yes	Y				Y	0.938	0.938	0.938	mg/kg	Level 4	
HVAC - SPOILS	SW6010	1	25H1532-01	11.5	7440-66-6	Zinc	48.5	TRG	Yes	Y		J-	J-	Y	2.34	2.34	2.34	mg/kg	Level 4	MS-
HVAC - SPOILS	SW7.3.3.2	1	25H1532-01	11.5	CREAC	Reactive Cyanide		TRG	Yes	N	U		U	Y	0.250	0.250	0.250	mg/kg	Level 4	
HVAC - SPOILS	SW7.3.4.2	1	25H1532-01	11.5	SREAC	Sulfide Reactive	24.0	TRG	Yes	Y				Y	15.0	15.0	15.0	mg/kg	Level 4	
HVAC - SPOILS	SW7473	1	25H1532-01	11.5	7439-97-6	Mercury		TRG	Yes	N	U		U	Y	0.0339	0.0339	0.0339	mg/kg	Level 4	
HVAC - SPOILS	SW8015	1	25H1532-01	11.5	68334-30-5	Diesel Range Organics	62.8	TRG	Yes	Y				Y	3.73	11.0	11.0	mg/kg	Level 4	
HVAC - SPOILS	SW8015	100	25H1532-01	11.5	8006-61-9	Gasoline		TRG	Yes	N	U		U	Y	72.5	72.5	72.5	mg/kg	Level 4	
HVAC - SPOILS	SW8081	5	25H1532-01	11.5	309-00-2	Aldrin		TRG	Yes	N	U		U	Y	0.00185	0.00185	0.00185	mg/kg	Level 4	
HVAC - SPOILS	SW8081	5	25H1532-01	11.5	959-98-8	alpha-Endosulfan		TRG	Yes	N	U		U	Y	0.00185	0.00185	0.00185	mg/kg	Level 4	
HVAC - SPOILS	SW8081	5	25H1532-01	11.5	319-84-6	alpha-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00185	0.00185	0.00185	mg/kg	Level 4	
HVAC - SPOILS	SW8081	5	25H1532-01	11.5	33213-65-9	beta-Endosulfan		TRG	Yes	N	U		U	Y	0.00185	0.00185	0.00185	mg/kg	Level 4	
HVAC - SPOILS	SW8081	5	25H1532-01	11.5	319-85-7	beta-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00185	0.00185	0.00185	mg/kg	Level 4	
HVAC - SPOILS	SW8081	5	25H1532-01	11.5	57-74-9	Chlordane		TRG	Yes	N	U		U	Y	0.0369	0.0369	0.0369	mg/kg	Level 4	
HVAC - SPOILS	SW8081	5	25H1532-01	11.5	319-86-8	delta-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00185	0.00185	0.00185	mg/kg	Level 4	
HVAC - SPOILS	SW8081	5	25H1532-01	11.5	60-57-1	Dieldrin		TRG	Yes	N	U		U	Y	0.00185	0.00185	0.00185	mg/kg	Level 4	
HVAC - SPOILS	SW8081	5	25H1532-01	11.5	1031-07-8	Endosulfan Sulfate		TRG	Yes	N	U		U	Y	0.00185	0.00185	0.00185	mg/kg	Level 4	
HVAC - SPOILS	SW8081	5	25H1532-01	11.5	72-20-8	Endrin		TRG	Yes	N	U		U	Y	0.00185	0.00185	0.00185	mg/kg	Level 4	
HVAC - SPOILS	SW8081	5	25H1532-01	11.5	7421-93-4	Endrin Aldehyde		TRG	Yes	N	U		U	Y	0.00185	0.00185	0.00185	mg/kg	Level 4	
HVAC - SPOILS	SW8081	5	25H1532-01	11.5	53494-70-5	Endrin Ketone		TRG	Yes	N	U		U	Y	0.00185	0.00185	0.00185	mg/kg	Level 4	
HVAC - SPOILS	SW8081	5	25H1532-01	11.5	58-89-9	gamma-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00185	0.00185	0.00185	mg/kg	Level 4	
HVAC - SPOILS	SW8081	5	25H1532-01	11.5	76-44-8	Heptachlor		TRG	Yes	N	U		U	Y	0.00185	0.00185	0.00185	mg/kg	Level 4	
HVAC - SPOILS	SW8081	5	25H1532-01	11.5	1024-57-3	Heptachlor Epoxide		TRG	Yes	N	U		U	Y	0.00185	0.00185	0.00185	mg/kg	Level 4	
HVAC - SPOILS	SW8081	5	25H1532-01	11.5	72-43-5	Methoxychlor		TRG	Yes	N	U		U	Y	0.00185	0.00185	0.00185	mg/kg	Level 4	
HVAC - SPOILS	SW8081	5	25H1532-01	11.5	72-54-8	P,P'-DDD		TRG	Yes	N	U		U	Y	0.00185	0.00185	0.00185	mg/kg	Level 4	
HVAC - SPOILS	SW8081	5	25H1532-01	11.5	72-55-9	P,P'-DDE		TRG	Yes	N	U		U	Y	0.00185	0.00185	0.00185	mg/kg	Level 4	
HVAC - SPOILS	SW8081	5	25H1532-01	11.5	50-29-3	P,P'-DDT		TRG	Yes	N	U		U	Y	0.00185	0.00185	0.00185	mg/kg	Level 4	
HVAC - SPOILS	SW8081	5	25H1532-01	11.5	8001-35-2	Toxaphene		TRG	Yes	N	U		U	Y	0.185	0.185	0.185	mg/kg	Level 4	
HVAC - SPOILS	SW8082	1	25H1532-01	11.5	12674-11-2	PCB-1016 (Aroclor 1016)		TRG	Yes	N	U		U	Y	0.0186	0.0186	0.0186	mg/kg	Level 4	
HVAC - SPOILS	SW8082	1	25H1532-01	11.5	11104-28-2	PCB-1221 (Aroclor 1221)		TRG	Yes	N	U		U	Y	0.0186	0.0186	0.0186	mg/kg	Level 4	
HVAC - SPOILS	SW8082	1	25H1532-01	11.5	11141-16-5	PCB-1232 (Aroclor 1232)		TRG	Yes	N	U		U	Y	0.0186	0.0186	0.0186	mg/kg	Level 4	
HVAC - SPOILS	SW8082	1	25H1532-01	11.5	53469-21-9	PCB-1242 (Aroclor 1242)		TRG	Yes	N	U		U	Y	0.0186	0.0186	0.0186	mg/kg	Level 4	
HVAC - SPOILS	SW8082	1	25H1532-01	11.5	12672-29-6	PCB-1248 (Aroclor 1248)		TRG	Yes	N	U		U	Y	0.0186	0.0186	0.0186	mg/kg	Level 4	
HVAC - SPOILS	SW8082	1	25H1532-01	11.5	11097-69-1	PCB-1254 (Aroclor 1254)		TRG	Yes	N	U		U	Y	0.0186	0.0186	0.0186	mg/kg	Level 4	
HVAC - SPOILS	SW8082	1	25H1532-01	11.5	11096-82-5	PCB-1260 (Aroclor 1260)		TRG	Yes	N	U		U	Y	0.0186	0.0186	0.0186	mg/kg	Level 4	
HVAC - SPOILS	SW8082	1	25H1532-01	11.5	1336-36-3	Polychlorinated Biphenyl (PCBs)		TRG	Yes	N	U		U	Y	0.0186	0.0186	0.0186	mg/kg	Level 4	
HVAC - SPOILS	SW8151	1	25H1532-01	11.5	94-75-7	2,4-D (Dichlorophenoxyacetic Acid)		TRG	Yes	N	U		U	Y	22.4	22.4	22.4	ug/kg	Level 4	
HVAC - SPOILS	SW8151	1	25H1532-01	11.5	93-76-5	Acetic acid, (2,4,5-trichlorophenoxy)-		TRG	Yes	N	U		U	Y	22.4	22.4	22.4	ug/kg	Level 4	
HVAC - SPOILS	SW8151	1	25H1532-01	11.5	93-72-1	Silvex (2,4,5-TP)		TRG	Yes	N	U		U	Y	22.4	22.4	22.4	ug/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	630-20-6	1,1,1,2-Tetrachloroethane		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	71-55-6	1,1,1-Trichloroethane (TCA)		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	79-34-5	1,1,2,2-Tetrachloroethane		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	79-00-5	1,1,2-Trichloroethane		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	75-34-3	1,1-Dichloroethane		TRG	Yes	N	U	UJ	UJ	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	CV-,LC-,SS-
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	75-35-4	1,1-Dichloroethene		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	87-61-6	1,2,3-Trichlorobenzene		TRG	Yes	N	U	UJ	UJ	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	LC-
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	96-18-4	1,2,3-Trichloropropane		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	120-82-1	1,2,4-Trichlorobenzene		TRG	Yes	N	U	UJ	UJ	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	LC-
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	95-63-6	1,2,4-Trimethylbenzene		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	96-12-8	1,2-Dibromo-3-Chloropropane		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	95-50-1	1,2-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	107-06-2	1,2-Dichloroethane		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	78-87-5	1,2-Dichloropropane		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	108-67-8	1,3,5-Trimethylbenzene (Mesitylene)		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	541-73-1	1,3-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	106-46-7	1,4-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	591-78-6	2-Hexanone		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	67-64-1	Acetone	0.049	TRG	Yes	Y		J+	J+	Y	0.0041	0.0082	0.0082	mg/kg	Level 4	LC+,CV+
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	107-02-8	Acrolein		TRG	Yes	N	U		U	Y	0.0041	0.0082	0.0082	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	107-13-1	Acrylonitrile		TRG	Yes	N	U	UJ	UJ	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	CV-LC-,SS-
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	71-43-2	Benzene		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	74-97-5	Bromochloromethane		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	75-27-4	Bromodichloromethane		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	75-25-2	Bromoform		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	74-83-9	Bromomethane		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	75-15-0	Carbon Disulfide	0.0025	TRG	Yes	Y	J	J	J	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	RL
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	56-23-5	Carbon Tetrachloride		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	108-90-7	Chlorobenzene		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	75-00-3	Chloroethane		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	67-66-3	Chloroform		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	74-87-3	Chloromethane (Methyl Chloride)		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	156-59-2	cis-1,2-Dichlorethene		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	10061-01-5	cis-1,3-Dichloropropene		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	110-82-7	Cyclohexane		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	124-48-1	Dibromochloromethane		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	74-95-3	Dibromomethane		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	75-71-8	Dichlorodifluoromethane		TRG	Yes	N	U	UJ	UJ	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	CV-
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	100-41-4	Ethylbenzene		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	87-68-3	Hexachlorobutadiene		TRG	Yes	N	U	UJ	UJ	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	LC-
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	98-82-8	Isopropylbenzene (Cumene)		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	179601-23-1	m,p-Xylene		TRG	Yes	N	U		U	Y	0.0041	0.0082	0.0082	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	79-20-9	Methyl Acetate		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	78-93-3	Methyl Ethyl Ketone (2-Butanone)		TRG	Yes	N	U	UR	UR	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	LC-,SS-
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	108-87-2	Methylcyclohexane		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	75-09-2	Methylene Chloride		TRG	Yes	N	U		U	Y	0.0041	0.0082	0.0082	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	104-51-8	N-Butylbenzene		TRG	Yes	N	U	UJ	UJ	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	LC-
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	103-65-1	N-Propylbenzene		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	95-47-6	o-Xylene (1,2-Dimethylbenzene)		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	99-87-6	p-Cymene (p-Isopropyltoluene)		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	135-98-8	sec-Butylbenzene		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	100-42-5	Styrene		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	75-65-0	tert-Butyl Alcohol		TRG	Yes	N	U		U	Y	0.010	0.020	0.020	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	1634-04-4	tert-Butyl Methyl Ether		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	98-06-6	tert-Butylbenzene		TRG	Yes	N	U	UJ	UJ	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	LC-
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	127-18-4	Tetrachloroethene (PCE)		TRG	Yes	N	U	UJ	UJ	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	LC-
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	108-88-3	Toluene		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	156-60-5	trans-1,2-Dichloroethene		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	10061-02-6	trans-1,3-Dichloropropene		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	110-57-6	Trans-1,4-Dichloro-2-Butene		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	79-01-6	Trichloroethene (TCE)		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	75-69-4	Trichlorofluoromethane		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	75-01-4	Vinyl Chloride		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC - SPOILS	SW8260	1	25H1532-01	11.5	1330-20-7	Xylenes		TRG	Yes	N	U		U	Y	0.0061	0.012	0.012	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	95-94-3	1,2,4,5-Tetrachlorobenzene		TRG	Yes	N	U		U	Y	0.0930	0.186	0.186	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	120-82-1	1,2,4-Trichlorobenzene		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	95-50-1	1,2-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	122-66-7	1,2-Diphenylhydrazine		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	541-73-1	1,3-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	106-46-7	1,4-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	58-90-2	2,3,4,6-Tetrachlorophenol		TRG	Yes	N	U		U	Y	0.0930	0.186	0.186	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	95-95-4	2,4,5-Trichlorophenol		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	88-06-2	2,4,6-Trichlorophenol		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	120-83-2	2,4-Dichlorophenol		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	105-67-9	2,4-Dimethylphenol		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	51-28-5	2,4-Dinitrophenol		TRG	Yes	N	U		U	Y	0.0930	0.186	0.186	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	121-14-2	2,4-Dinitrotoluene		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	606-20-2	2,6-Dinitrotoluene		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	91-58-7	2-Chloronaphthalene		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	95-57-8	2-Chlorophenol		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	91-57-6	2-Methylnaphthalene	0.166	TRG	Yes	Y	D			Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	95-48-7	2-Methylphenol (O-Cresol)		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	88-74-4	2-Nitroaniline		TRG	Yes	N	U		U	Y	0.0930	0.186	0.186	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	88-75-5	2-Nitrophenol		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	91-94-1	3,3'-Dichlorobenzidine		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	99-09-2	3-Nitroaniline		TRG	Yes	N	U		U	Y	0.0930	0.186	0.186	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	534-52-1	4,6-Dinitro-2-Methylphenol		TRG	Yes	N	U		U	Y	0.0930	0.186	0.186	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	101-55-3	4-Bromophenyl Phenyl Ether		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	59-50-7	4-Chloro-3-Methylphenol		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	106-47-8	4-Chloroaniline		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	7005-72-3	4-Chlorophenyl Phenyl Ether		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	100-01-6	4-Nitroaniline		TRG	Yes	N	U		U	Y	0.0930	0.186	0.186	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	100-02-7	4-Nitrophenol		TRG	Yes	N	U		U	Y	0.0930	0.186	0.186	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	83-32-9	Acenaphthene		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	208-96-8	Acenaphthylene	0.0929	TRG	Yes	Y	JD	J	J	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	RL
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	98-86-2	Acetophenone		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	62-53-3	Aniline		TRG	Yes	N	U		U	Y	0.186	0.372	0.372	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	120-12-7	Anthracene	0.124	TRG	Yes	Y	D			Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	1912-24-9	Atrazine		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	100-52-7	Benzaldehyde		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	92-87-5	Benzidine		TRG	Yes	N	U		U	Y	0.186	0.372	0.372	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	56-55-3	Benzo(a)anthracene	0.316	TRG	Yes	Y	D			Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	50-32-8	Benzo(a)pyrene	0.259	TRG	Yes	Y	D			Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	205-99-2	Benzo(b)fluoranthene	0.177	TRG	Yes	Y	D	J	J	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	IN
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	191-24-2	Benzo(g,h,i)perylene	0.200	TRG	Yes	Y	D			Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	207-08-9	Benzo(k)fluoranthene	0.187	TRG	Yes	Y	D	J	J	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	IN
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	65-85-0	Benzoic Acid		TRG	Yes	N	U	UJ	UJ	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	LC-
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	100-51-6	Benzyl Alcohol		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	85-68-7	Benzyl Butyl Phthalate		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	92-52-4	Biphenyl (Diphenyl or 1,1'-Biphenyl)		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	111-91-1	Bis(2-Chloroethoxy) Methane		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	108-60-1	Bis(2-Chloroisopropyl) Ether		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	117-81-7	Bis(2-Ethylhexyl) Phthalate	0.0780	TRG	Yes	Y	JD	J	J	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	RL
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	105-60-2	Caprolactam		TRG	Yes	N	U		U	Y	0.0930	0.186	0.186	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	86-74-8	Carbazole		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	218-01-9	Chrysene	0.343	TRG	Yes	Y	D			Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	53-70-3	Dibenz(a,h)anthracene	0.0468	TRG	Yes	Y	JD	J	J	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	RL
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	132-64-9	Dibenzofuran		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	84-66-2	Diethyl Phthalate		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	131-11-3	Dimethyl Phthalate		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	84-74-2	Di-N-Butyl Phthalate		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	117-84-0	Di-N-Octylphthalate		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	122-39-4	Diphenylamine		TRG	Yes	N	U		U	Y	0.0930	0.186	0.186	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	206-44-0	Fluoranthene	0.418	TRG	Yes	Y	D			Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	86-73-7	Fluorene	0.0587	TRG	Yes	Y	JD	J	J	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	RL
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	118-74-1	Hexachlorobenzene		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	87-68-3	Hexachlorobutadiene		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	77-47-4	Hexachlorocyclopentadiene		TRG	Yes	N	U	UJ	UJ	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	CV-
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	67-72-1	Hexachloroethane		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	193-39-5	Indeno(1,2,3-c,d)pyrene	0.111	TRG	Yes	Y	D			Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	78-59-1	Isophorone		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	65794-96-9	M+P MethylPhenol		TRG	Yes	N	U	UJ	UJ	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	CV-
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	91-20-3	Naphthalene	0.227	TRG	Yes	Y	D			Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	98-95-3	Nitrobenzene		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	62-75-9	N-Nitrosodimethylamine		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	621-64-7	N-Nitrosodi-N-Propylamine		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	86-30-6	N-Nitrosodiphenylamine	0.0491	TRG	Yes	Y	JD	J	J	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	RL
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	87-86-5	Pentachlorophenol		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	85-01-8	Phenanthrene	0.315	TRG	Yes	Y	D			Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	108-95-2	Phenol		TRG	Yes	N	U		U	Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270	2	25H1532-01	11.5	129-00-0	Pyrene	0.823	TRG	Yes	Y	D			Y	0.0466	0.0930	0.0930	mg/kg	Level 4	
HVAC - SPOILS	SW8270DSIM	1	25H1532-01	11.5	123-91-1	1,4-Dioxane (P-Dioxane)		TRG	Yes	N	U		U	Y	3.49	18.9	18.9	ug/kg	Level 4	
HVAC - SPOILS	SW9045D	1	25H1532-01	11.5	PH	pH	8.40	TRG	Yes	Y				Y	0.500	0.500	0.500	ph units	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)		TRG	Yes	N	U		U	Y	0.247	0.847	0.847	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	39108-34-4	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid		TRG	Yes	N	U		U	Y	0.179	0.861	0.861	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	757124-72-4	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid		TRG	Yes	N	U		U	Y	0.247	0.841	0.841	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	27619-97-2	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid		TRG	Yes	N	U		U	Y	0.202	0.852	0.852	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.818	5.60	5.60	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	812-70-4	3-Perfluoroheptyl propanoic acid (7:3FTCA)		TRG	Yes	N	U		U	Y	1.05	5.60	5.60	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	356-02-5	3-Perfluoropropyl propanoic acid (3:3 FTCA)		TRG	Yes	N	U		U	Y	0.359	1.12	1.12	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.291	0.847	0.847	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)		TRG	Yes	N	U		U	Y	0.303	0.838	0.838	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)		TRG	Yes	N	U	UR	UR	Y	0.258	0.897	0.897	ug/kg	Level 4	CV-,LC-
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOSA)		TRG	Yes	N	U		U	Y	0.101	0.224	0.224	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		TRG	Yes	N	U		U	Y	0.560	0.560	0.560	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		TRG	Yes	N	U		U	Y	1.12	2.24	2.24	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	31506-32-8	N-methyl perfluorooctanesulfonamide (NMeFOSA)		TRG	Yes	N	U		U	Y	0.146	0.224	0.224	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		TRG	Yes	N	U	UJ	UJ	Y	0.0897	0.224	0.224	ug/kg	Level 4	LC-
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		TRG	Yes	N	U		U	Y	0.818	2.24	2.24	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		TRG	Yes	N	U		U	Y	0.0672	0.399	0.399	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		TRG	Yes	N	U		U	Y	0.0448	0.448	0.448	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		TRG	Yes	N	U		U	Y	0.134	0.448	0.448	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	375-73-5	Perfluorobutanesulfonic acid (PFBS)		TRG	Yes	N	U		U	Y	0.0785	0.198	0.198	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	375-22-4	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.179	0.897	0.897	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	335-77-3	Perfluorodecanesulfonic acid (PFDS)		TRG	Yes	N	U		U	Y	0.0672	0.216	0.216	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	335-76-2	Perfluorodecanoic acid (PFDA)		TRG	Yes	N	U		U	Y	0.0897	0.224	0.224	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		TRG	Yes	N	U		U	Y	0.168	0.217	0.217	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	307-55-1	Perfluorododecanoic acid (PFDoA)		TRG	Yes	N	U		U	Y	0.0897	0.224	0.224	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		TRG	Yes	N	U		U	Y	0.0785	0.224	0.224	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	375-85-9	Perfluoroheptanoic acid (PFHpA)		TRG	Yes	N	U		U	Y	0.123	0.224	0.224	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	355-46-4	Perfluorohexanesulfonic acid (PFHxS)		TRG	Yes	N	U		U	Y	0.0785	0.205	0.205	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	307-24-4	Perfluorohexanoic acid (PFHxA)		TRG	Yes	N	U		U	Y	0.0560	0.224	0.224	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	68259-12-1	Perfluorononanesulfonic Acid (PFNS)		TRG	Yes	N	U	UR	UR	Y	0.157	0.215	0.215	ug/kg	Level 4	CV-,LC-
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	375-95-1	Perfluorononanoic acid (PFNA)		TRG	Yes	N	U	UJ	UJ	Y	0.157	0.224	0.224	ug/kg	Level 4	IS
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	754-91-6	Perfluorooctane Sulfonamide (PFOSA)		TRG	Yes	N	U		U	Y	0.0336	0.224	0.224	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.376	TRG	Yes	Y				Y	0.0785	0.208	0.208	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	335-67-1	Perfluorooctanoic acid (PFOA)		TRG	Yes	N	U		U	Y	0.0785	0.224	0.224	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)		TRG	Yes	N	U		U	Y	0.0785	0.211	0.211	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	2706-90-3	Perfluoropentanoic Acid (PFPeA)		TRG	Yes	N	U		U	Y	0.0897	0.448	0.448	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	376-06-7	Perfluorotetradecanoic acid (PFTeDA)		TRG	Yes	N	U		U	Y	0.146	0.224	0.224	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	72629-94-8	Perfluorotridecanoic Acid (PFTriA/PFTrDA)		TRG	Yes	N	U		U	Y	0.123	0.224	0.224	ug/kg	Level 4	
HVAC - SPOILS	E1633	1	25H1532-01RE1	11.5	2058-94-8	Perfluoroundecanoic Acid (PFUnA)		TRG	Yes	N	U		U	Y	0.123	0.224	0.224	ug/kg	Level 4	
HVAC - SPOILS	Q_P_PFAS, EPA	1	25H1532-01RE1	11.5	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		TRG	Yes	N	U		U	Y	0.437	0.448	0.448	ug/kg	Level 4	

B. Sample Delivery Group 25H1535

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC SW NORTH-S-1	SM 2540G	1	25H1535-01	9.7	SOLID	Solids, Percent	90.3	TRG	Yes	Y				Y	0.100	0.100	0.100	%	Level 4	
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	630-20-6	1,1,1,2-Tetrachloroethane		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	71-55-6	1,1,1-Trichloroethane (TCA)		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	79-34-5	1,1,2,2-Tetrachloroethane		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	79-00-5	1,1,2-Trichloroethane		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	75-34-3	1,1-Dichloroethane		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-,CV-,LC-,SS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	75-35-4	1,1-Dichloroethene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	87-61-6	1,2,3-Trichlorobenzene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	96-18-4	1,2,3-Trichloropropane		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	120-82-1	1,2,4-Trichlorobenzene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	95-63-6	1,2,4-Trimethylbenzene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	96-12-8	1,2-Dibromo-3-Chloropropane		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	95-50-1	1,2-Dichlorobenzene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	107-06-2	1,2-Dichloroethane		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-,SS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	78-87-5	1,2-Dichloropropane		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	108-67-8	1,3,5-Trimethylbenzene (Mesitylene)		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	541-73-1	1,3-Dichlorobenzene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	106-46-7	1,4-Dichlorobenzene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	591-78-6	2-Hexanone		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	67-64-1	Acetone	0.22	TRG	Yes	Y	E	J	J	Y	0.0019	0.0038	0.0038	mg/kg	Level 4	IS-,SR+
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	107-02-8	Acrolein		TRG	Yes	N	U	UR	UR	Y	0.0019	0.0038	0.0038	mg/kg	Level 4	IS-,CV-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	107-13-1	Acrylonitrile		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-,CV-,SS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	71-43-2	Benzene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	74-97-5	Bromochloromethane		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	75-27-4	Bromodichloromethane		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	75-25-2	Bromoform		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	74-83-9	Bromomethane		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	75-15-0	Carbon Disulfide		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	56-23-5	Carbon Tetrachloride		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	108-90-7	Chlorobenzene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	75-00-3	Chloroethane		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	67-66-3	Chloroform		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	74-87-3	Chloromethane (Methyl Chloride)		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	156-59-2	cis-1,2-Dichlorethene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	10061-01-5	cis-1,3-Dichloropropene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	110-82-7	Cyclohexane		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	124-48-1	Dibromochloromethane		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	74-95-3	Dibromomethane		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	75-71-8	Dichlorodifluoromethane		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-,CV-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	100-41-4	Ethylbenzene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	87-68-3	Hexachlorobutadiene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-,LC-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	98-82-8	Isopropylbenzene (Cumene)		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	179601-23-1	m,p-Xylene		TRG	Yes	N	U	UR	UR	Y	0.0019	0.0038	0.0038	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	79-20-9	Methyl Acetate		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	78-93-3	Methyl Ethyl Ketone (2-Butanone)		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-,LC-,SS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-,CV-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	108-87-2	Methylcyclohexane		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	75-09-2	Methylene Chloride	0.0024	TRG	Yes	Y	J	J	J	Y	0.0019	0.0038	0.0038	mg/kg	Level 4	IS-,SR+,RL
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	104-51-8	N-Butylbenzene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-,LC-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	103-65-1	N-Propylbenzene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	95-47-6	o-Xylene (1,2-Dimethylbenzene)		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	99-87-6	p-Cymene (p-Isopropyltoluene)		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	135-98-8	sec-Butylbenzene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	100-42-5	Styrene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	75-65-0	tert-Butyl Alcohol		TRG	Yes	N	U	UR	UR	Y	0.0047	0.0095	0.0095	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	1634-04-4	tert-Butyl Methyl Ether		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	98-06-6	tert-Butylbenzene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-,LC-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	127-18-4	Tetrachloroethene (PCE)		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-,LC-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	108-88-3	Toluene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	156-60-5	trans-1,2-Dichloroethene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	10061-02-6	trans-1,3-Dichloropropene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	110-57-6	Trans-1,4-Dichloro-2-Butene		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	79-01-6	Trichloroethene (TCE)		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	75-69-4	Trichlorofluoromethane		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	75-01-4	Vinyl Chloride		TRG	Yes	N	U	UR	UR	Y	0.00095	0.0019	0.0019	mg/kg	Level 4	IS-
HVAC SW NORTH-S-1	SW8260	1	25H1535-01	9.7	1330-20-7	Xylenes		TRG	Yes	N	U	UR	UR	Y	0.0028	0.0057	0.0057	mg/kg	Level 4	IS-

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)		TRG	Yes	N	U		U	Y	0.243	0.835	0.835	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	39108-34-4	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid		TRG	Yes	N	U		U	Y	0.177	0.849	0.849	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	757124-72-4	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid		TRG	Yes	N	U		U	Y	0.243	0.829	0.829	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	27619-97-2	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid		TRG	Yes	N	U		U	Y	0.199	0.840	0.840	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.807	5.52	5.52	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	812-70-4	3-Perfluoroheptyl propanoic acid (7:3FTCA)		TRG	Yes	N	U		U	Y	1.04	5.52	5.52	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	356-02-5	3-Perfluoropropyl propanoic acid (3:3 FTCA)		TRG	Yes	N	U		U	Y	0.354	1.10	1.10	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.287	0.835	0.835	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)		TRG	Yes	N	U		U	Y	0.298	0.826	0.826	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)		TRG	Yes	N	U	UR	UR	Y	0.254	0.884	0.884	ug/kg	Level 4	CV-,LC-
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOSA)		TRG	Yes	N	U		U	Y	0.0994	0.221	0.221	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		TRG	Yes	N	U		U	Y	0.552	0.552	0.552	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		TRG	Yes	N	U		U	Y	0.508	2.21	2.21	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	31506-32-8	N-methyl perfluorooctanesulfonamide (NMeFOSA)		TRG	Yes	N	U		U	Y	0.144	0.221	0.221	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		TRG	Yes	N	U	UJ	UJ	Y	0.0884	0.221	0.221	ug/kg	Level 4	LC-
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		TRG	Yes	N	U		U	Y	0.807	2.21	2.21	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		TRG	Yes	N	U		U	Y	0.0663	0.393	0.393	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		TRG	Yes	N	U		U	Y	0.0442	0.442	0.442	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		TRG	Yes	N	U		U	Y	0.133	0.442	0.442	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	375-73-5	Perfluorobutanesulfonic acid (PFBS)		TRG	Yes	N	U		U	Y	0.0773	0.196	0.196	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	375-22-4	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.177	0.884	0.884	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	335-77-3	Perfluorodecanesulfonic acid (PFDS)		TRG	Yes	N	U		U	Y	0.0663	0.213	0.213	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	335-76-2	Perfluorodecanoic acid (PFDA)		TRG	Yes	N	U		U	Y	0.0884	0.221	0.221	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		TRG	Yes	N	U		U	Y	0.166	0.214	0.214	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	307-55-1	Perfluorododecanoic acid (PFDoA)		TRG	Yes	N	U		U	Y	0.0884	0.221	0.221	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		TRG	Yes	N	U		U	Y	0.0773	0.221	0.221	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	375-85-9	Perfluoroheptanoic acid (PFHpA)		TRG	Yes	N	U		U	Y	0.122	0.221	0.221	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.141	TRG	Yes	Y	J	J	J	Y	0.0773	0.202	0.202	ug/kg	Level 4	RL
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	307-24-4	Perfluorohexanoic acid (PFHxA)		TRG	Yes	N	U		U	Y	0.0552	0.221	0.221	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	68259-12-1	Perfluorononanesulfonic Acid (PFNS)		TRG	Yes	N	U	UR	UR	Y	0.155	0.212	0.212	ug/kg	Level 4	CV-,LC-
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	375-95-1	Perfluorononanoic acid (PFNA)		TRG	Yes	N	U		U	Y	0.155	0.221	0.221	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	754-91-6	Perfluorooctane Sulfonamide (PFOSA)	0.0456	TRG	Yes	Y	J	J	J	Y	0.0331	0.221	0.221	ug/kg	Level 4	IN,RL
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.75	TRG	Yes	Y				Y	0.0773	0.206	0.206	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	335-67-1	Perfluorooctanoic acid (PFOA)		TRG	Yes	N	U		U	Y	0.0773	0.221	0.221	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)		TRG	Yes	N	U		U	Y	0.0773	0.208	0.208	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	2706-90-3	Perfluoropentanoic Acid (PFPeA)		TRG	Yes	N	U		U	Y	0.0884	0.442	0.442	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	376-06-7	Perfluorotetradecanoic acid (PFTeDA)		TRG	Yes	N	U		U	Y	0.144	0.221	0.221	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	72629-94-8	Perfluorotridecanoic Acid (PFTriA/PFTrDA)		TRG	Yes	N	U		U	Y	0.122	0.221	0.221	ug/kg	Level 4	
HVAC SW NORTH-S-1	E1633	1	25H1535-01RE1	9.7	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	0.137	TRG	Yes	Y	J	J	J	Y	0.122	0.221	0.221	ug/kg	Level 4	RL
HVAC SW NORTH-S-1	Q_P_PFAS, E	1	25H1535-01RE1	9.7	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		TRG	Yes	N	U		U	Y	0.431	0.442	0.442	ug/kg	Level 4	
HVAC SW SOUTH-S-1	SM 2540G	1	25H1535-02	9.7	SOLID	Solids, Percent	90.3	TRG	Yes	Y				Y	0.100	0.100	0.100	%	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	630-20-6	1,1,1,2-Tetrachloroethane		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	71-55-6	1,1,1-Trichloroethane (TCA)		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	79-34-5	1,1,2,2-Tetrachloroethane		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	79-00-5	1,1,2-Trichloroethane		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	75-34-3	1,1-Dichloroethane		TRG	Yes	N	U	UJ	UJ	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	CV-,LC-,SS-
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	75-35-4	1,1-Dichloroethene		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	87-61-6	1,2,3-Trichlorobenzene		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	96-18-4	1,2,3-Trichloropropane		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	120-82-1	1,2,4-Trichlorobenzene		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	95-63-6	1,2,4-Trimethylbenzene		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	96-12-8	1,2-Dibromo-3-Chloropropane		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	95-50-1	1,2-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	107-06-2	1,2-Dichloroethane		TRG	Yes	N	U	UJ	UJ	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	SS-
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	78-87-5	1,2-Dichloropropane		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	108-67-8	1,3,5-Trimethylbenzene (Mesitylene)		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	541-73-1	1,3-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	106-46-7	1,4-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	591-78-6	2-Hexanone		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	67-64-1	Acetone	0.016	TRG	Yes	Y		J+	J+	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	CV+
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	107-02-8	Acrolein		TRG	Yes	N	U	UJ	UJ	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	CV-
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	107-13-1	Acrylonitrile		TRG	Yes	N	U	UJ	UJ	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	CV-,SS-
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	71-43-2	Benzene		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	74-97-5	Bromochloromethane		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	75-27-4	Bromodichloromethane		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	75-25-2	Bromoform		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	74-83-9	Bromomethane		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	75-15-0	Carbon Disulfide		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	56-23-5	Carbon Tetrachloride		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	108-90-7	Chlorobenzene		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	75-00-3	Chloroethane		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	67-66-3	Chloroform		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	74-87-3	Chloromethane (Methyl Chloride)		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	156-59-2	cis-1,2-Dichlorethene		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	10061-01-5	cis-1,3-Dichloropropene		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	110-82-7	Cyclohexane		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	124-48-1	Dibromochloromethane		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	74-95-3	Dibromomethane		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	75-71-8	Dichlorodifluoromethane		TRG	Yes	N	U	UJ	UJ	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	CV-
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	100-41-4	Ethylbenzene		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	87-68-3	Hexachlorobutadiene		TRG	Yes	N	U	UJ	UJ	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	LC-
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	98-82-8	Isopropylbenzene (Cumene)		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	179601-23-1	m,p-Xylene		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	79-20-9	Methyl Acetate		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	78-93-3	Methyl Ethyl Ketone (2-Butanone)		TRG	Yes	N	U	UR	UR	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	LC-,SS-
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		TRG	Yes	N	U	UJ	UJ	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	CV-
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	108-87-2	Methylcyclohexane		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	75-09-2	Methylene Chloride		TRG	Yes	N	U		U	Y	0.0020	0.0041	0.0041	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	104-51-8	N-Butylbenzene		TRG	Yes	N	U	UJ	UJ	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	LC-
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	103-65-1	N-Propylbenzene		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	95-47-6	o-Xylene (1,2-Dimethylbenzene)		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	99-87-6	p-Cymene (p-Isopropyltoluene)		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	135-98-8	sec-Butylbenzene		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	100-42-5	Styrene		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	75-65-0	tert-Butyl Alcohol		TRG	Yes	N	U		U	Y	0.0051	0.010	0.010	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	1634-04-4	tert-Butyl Methyl Ether		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	98-06-6	tert-Butylbenzene		TRG	Yes	N	U	UJ	UJ	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	LC-
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	127-18-4	Tetrachloroethene (PCE)		TRG	Yes	N	U	UJ	UJ	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	LC-
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	108-88-3	Toluene		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	156-60-5	trans-1,2-Dichloroethene		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	10061-02-6	trans-1,3-Dichloropropene		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	110-57-6	Trans-1,4-Dichloro-2-Butene		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	79-01-6	Trichloroethene (TCE)		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	75-69-4	Trichlorofluoromethane		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	75-01-4	Vinyl Chloride		TRG	Yes	N	U		U	Y	0.0010	0.0020	0.0020	mg/kg	Level 4	
HVAC SW SOUTH-S-1	SW8260	1	25H1535-02	9.7	1330-20-7	Xylenes		TRG	Yes	N	U		U	Y	0.0031	0.0061	0.0061	mg/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)		TRG	Yes	N	U		U	Y	0.243	0.835	0.835	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	39108-34-4	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid		TRG	Yes	N	U		U	Y	0.177	0.848	0.848	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	757124-72-4	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid		TRG	Yes	N	U	UJ	UJ	Y	0.243	0.829	0.829	ug/kg	Level 4	IS
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	27619-97-2	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid		TRG	Yes	N	U		U	Y	0.199	0.840	0.840	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.806	5.52	5.52	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	812-70-4	3-Perfluoroheptyl propanoic acid (7:3FTCA)		TRG	Yes	N	U		U	Y	1.04	5.52	5.52	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	356-02-5	3-Perfluoropropyl propanoic acid (3:3 FTCA)		TRG	Yes	N	U		U	Y	0.354	1.10	1.10	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.287	0.835	0.835	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)		TRG	Yes	N	U		U	Y	0.298	0.826	0.826	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)		TRG	Yes	N	U	UR	UR	Y	0.254	0.884	0.884	ug/kg	Level 4	CV-,LC-
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOSA)		TRG	Yes	N	U		U	Y	0.0994	0.221	0.221	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		TRG	Yes	N	U		U	Y	0.552	0.552	0.552	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		TRG	Yes	N	U		U	Y	0.508	2.21	2.21	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	31506-32-8	N-methyl perfluorooctanesulfonamide (NMeFOSA)		TRG	Yes	N	U		U	Y	0.144	0.221	0.221	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		TRG	Yes	N	U	UJ	UJ	Y	0.0884	0.221	0.221	ug/kg	Level 4	LC-
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		TRG	Yes	N	U		U	Y	0.806	2.21	2.21	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		TRG	Yes	N	U		U	Y	0.0663	0.393	0.393	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		TRG	Yes	N	U		U	Y	0.0442	0.442	0.442	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		TRG	Yes	N	U		U	Y	0.133	0.442	0.442	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	375-73-5	Perfluorobutanesulfonic acid (PFBS)		TRG	Yes	N	U		U	Y	0.0773	0.196	0.196	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	375-22-4	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.177	0.884	0.884	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	335-77-3	Perfluorodecanesulfonic acid (PFDS)		TRG	Yes	N	U		U	Y	0.0663	0.213	0.213	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	335-76-2	Perfluorodecanoic acid (PFDA)		TRG	Yes	N	U		U	Y	0.0884	0.221	0.221	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		TRG	Yes	N	U		U	Y	0.166	0.214	0.214	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	307-55-1	Perfluorododecanoic acid (PFDoA)		TRG	Yes	N	U		U	Y	0.0884	0.221	0.221	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		TRG	Yes	N	U		U	Y	0.0773	0.221	0.221	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	375-85-9	Perfluoroheptanoic acid (PFHpA)		TRG	Yes	N	U		U	Y	0.122	0.221	0.221	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	355-46-4	Perfluorohexanesulfonic acid (PFHxS)		TRG	Yes	N	U		U	Y	0.0773	0.202	0.202	ug/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	307-24-4	Perfluorohexanoic acid (PFHxA)		TRG	Yes	N	U		U	Y	0.0552	0.221	0.221	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	68259-12-1	Perfluorononanesulfonic Acid (PFNS)		TRG	Yes	N	U	UR	UR	Y	0.155	0.212	0.212	ug/kg	Level 4	CV-,LC-
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	375-95-1	Perfluorononanoic acid (PFNA)		TRG	Yes	N	U		U	Y	0.155	0.221	0.221	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	754-91-6	Perfluorooctane Sulfonamide (PFOSA)		TRG	Yes	N	U		U	Y	0.0331	0.221	0.221	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.812	TRG	Yes	Y				Y	0.0773	0.205	0.205	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	335-67-1	Perfluorooctanoic acid (PFOA)		TRG	Yes	N	U		U	Y	0.0773	0.221	0.221	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)		TRG	Yes	N	U		U	Y	0.0773	0.208	0.208	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	2706-90-3	Perfluoropentanoic Acid (PFPeA)		TRG	Yes	N	U		U	Y	0.0884	0.442	0.442	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	376-06-7	Perfluorotetradecanoic acid (PFTeDA)		TRG	Yes	N	U		U	Y	0.144	0.221	0.221	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	72629-94-8	Perfluorotridecanoic Acid (PFTriA/PFTrDA)		TRG	Yes	N	U		U	Y	0.122	0.221	0.221	ug/kg	Level 4	
HVAC SW SOUTH-S-1	E1633	1	25H1535-02RE1	9.7	2058-94-8	Perfluoroundecanoic Acid (PFUnA)		TRG	Yes	N	U		U	Y	0.122	0.221	0.221	ug/kg	Level 4	
HVAC SW SOUTH-S-1	Q_P_PFAS, E	1	25H1535-02RE1	9.7	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		TRG	Yes	N	U		U	Y	0.431	0.442	0.442	ug/kg	Level 4	
HVAC SW EAST-S-1	SM 2540G	1	25H1535-03	8.7	SOLID	Solids, Percent	91.3	TRG	Yes	Y				Y	0.100	0.100	0.100	%	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	630-20-6	1,1,1,2-Tetrachloroethane		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	71-55-6	1,1,1-Trichloroethane (TCA)		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	79-34-5	1,1,2,2-Tetrachloroethane		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	79-00-5	1,1,2-Trichloroethane		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	75-34-3	1,1-Dichloroethane		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	75-35-4	1,1-Dichloroethene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	87-61-6	1,2,3-Trichlorobenzene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	96-18-4	1,2,3-Trichloropropane		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	120-82-1	1,2,4-Trichlorobenzene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	95-63-6	1,2,4-Trimethylbenzene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	96-12-8	1,2-Dibromo-3-Chloropropane		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	95-50-1	1,2-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	107-06-2	1,2-Dichloroethane		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	78-87-5	1,2-Dichloropropane		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	108-67-8	1,3,5-Trimethylbenzene (Mesitylene)		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	541-73-1	1,3-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	106-46-7	1,4-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	591-78-6	2-Hexanone		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	67-64-1	Acetone		TRG	Yes	N	U		U	Y	0.0020	0.0039	0.0039	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	107-02-8	Acrolein		TRG	Yes	N	U		U	Y	0.0020	0.0039	0.0039	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	107-13-1	Acrylonitrile		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	71-43-2	Benzene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	74-97-5	Bromochloromethane		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	75-27-4	Bromodichloromethane		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	75-25-2	Bromoform		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	74-83-9	Bromomethane		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	75-15-0	Carbon Disulfide		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	56-23-5	Carbon Tetrachloride		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	108-90-7	Chlorobenzene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	75-00-3	Chloroethane		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	67-66-3	Chloroform		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	74-87-3	Chloromethane (Methyl Chloride)		TRG	Yes	N	U	UJ	UJ	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	CV-
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	156-59-2	cis-1,2-Dichlorethene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	10061-01-5	cis-1,3-Dichloropropene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	110-82-7	Cyclohexane		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	124-48-1	Dibromochloromethane		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	74-95-3	Dibromomethane		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	75-71-8	Dichlorodifluoromethane		TRG	Yes	N	U	UJ	UJ	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	SS-
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	100-41-4	Ethylbenzene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	87-68-3	Hexachlorobutadiene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	98-82-8	Isopropylbenzene (Cumene)		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	179601-23-1	m,p-Xylene		TRG	Yes	N	U		U	Y	0.0020	0.0039	0.0039	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	79-20-9	Methyl Acetate		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	78-93-3	Methyl Ethyl Ketone (2-Butanone)		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	108-87-2	Methylcyclohexane		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	75-09-2	Methylene Chloride		TRG	Yes	N	U		U	Y	0.0020	0.0039	0.0039	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	104-51-8	N-Butylbenzene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	103-65-1	N-Propylbenzene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	95-47-6	o-Xylene (1,2-Dimethylbenzene)		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	99-87-6	p-Cymene (p-Isopropyltoluene)		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	135-98-8	sec-Butylbenzene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	100-42-5	Styrene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	75-65-0	tert-Butyl Alcohol		TRG	Yes	N	U		U	Y	0.0049	0.0098	0.0098	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	1634-04-4	tert-Butyl Methyl Ether		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	98-06-6	tert-Butylbenzene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	127-18-4	Tetrachloroethene (PCE)		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	108-88-3	Toluene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	156-60-5	trans-1,2-Dichloroethene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	10061-02-6	trans-1,3-Dichloropropene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	110-57-6	Trans-1,4-Dichloro-2-Butene		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	79-01-6	Trichloroethene (TCE)		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	75-69-4	Trichlorofluoromethane		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	75-01-4	Vinyl Chloride		TRG	Yes	N	U		U	Y	0.00098	0.0020	0.0020	mg/kg	Level 4	
HVAC SW EAST-S-1	SW8260	1	25H1535-03	8.7	1330-20-7	Xylenes		TRG	Yes	N	U		U	Y	0.0029	0.0059	0.0059	mg/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)		TRG	Yes	N	U		U	Y	0.241	0.828	0.828	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	39108-34-4	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid		TRG	Yes	N	U		U	Y	0.175	0.841	0.841	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	757124-72-4	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid		TRG	Yes	N	U	UJ	UJ	Y	0.241	0.821	0.821	ug/kg	Level 4	IS
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	27619-97-2	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid		TRG	Yes	N	U		U	Y	0.197	0.832	0.832	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.799	5.47	5.47	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	812-70-4	3-Perfluoroheptyl propanoic acid (7:3FTCA)		TRG	Yes	N	U		U	Y	1.03	5.47	5.47	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	356-02-5	3-Perfluoropropyl propanoic acid (3:3 FTCA)		TRG	Yes	N	U		U	Y	0.350	1.09	1.09	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.285	0.828	0.828	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)		TRG	Yes	N	U		U	Y	0.296	0.819	0.819	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)		TRG	Yes	N	U	UR	UR	Y	0.252	0.876	0.876	ug/kg	Level 4	CV-,LC-
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOSA)		TRG	Yes	N	U		U	Y	0.0985	0.219	0.219	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		TRG	Yes	N	U		U	Y	0.547	0.547	0.547	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		TRG	Yes	N	U		U	Y	0.504	2.19	2.19	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	31506-32-8	N-methyl perfluorooctanesulfonamide (NMeFOSA)		TRG	Yes	N	U		U	Y	0.142	0.219	0.219	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		TRG	Yes	N	U	UJ	UJ	Y	0.0876	0.219	0.219	ug/kg	Level 4	LC-
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		TRG	Yes	N	U		U	Y	0.799	2.19	2.19	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		TRG	Yes	N	U		U	Y	0.0657	0.390	0.390	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		TRG	Yes	N	U		U	Y	0.0438	0.438	0.438	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		TRG	Yes	N	U		U	Y	0.131	0.438	0.438	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	375-73-5	Perfluorobutanesulfonic acid (PFBS)		TRG	Yes	N	U		U	Y	0.0766	0.194	0.194	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	375-22-4	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.175	0.876	0.876	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	335-77-3	Perfluorodecanesulfonic acid (PFDS)		TRG	Yes	N	U		U	Y	0.0657	0.211	0.211	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	335-76-2	Perfluorodecanoic acid (PFDA)		TRG	Yes	N	U		U	Y	0.0876	0.219	0.219	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		TRG	Yes	N	U		U	Y	0.164	0.212	0.212	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	307-55-1	Perfluorododecanoic acid (PFDoA)		TRG	Yes	N	U		U	Y	0.0876	0.219	0.219	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		TRG	Yes	N	U		U	Y	0.0766	0.219	0.219	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	375-85-9	Perfluoroheptanoic acid (PFHpA)		TRG	Yes	N	U		U	Y	0.120	0.219	0.219	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.291	TRG	Yes	Y				Y	0.0766	0.200	0.200	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	307-24-4	Perfluorohexanoic acid (PFHxA)	0.0774	TRG	Yes	Y	J	J	J	Y	0.0547	0.219	0.219	ug/kg	Level 4	QCP,RL
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	68259-12-1	Perfluorononanesulfonic Acid (PFNS)		TRG	Yes	N	U	UR	UR	Y	0.153	0.210	0.210	ug/kg	Level 4	CV-,LC-
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	375-95-1	Perfluorononanoic acid (PFNA)		TRG	Yes	N	U		U	Y	0.153	0.219	0.219	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	754-91-6	Perfluorooctane Sulfonamide (PFOSA)		TRG	Yes	N	U		U	Y	0.0328	0.219	0.219	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.15	TRG	Yes	Y				Y	0.0766	0.204	0.204	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	335-67-1	Perfluorooctanoic acid (PFOA)	0.104	TRG	Yes	Y	J	J	J	Y	0.0766	0.219	0.219	ug/kg	Level 4	RL
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)		TRG	Yes	N	U		U	Y	0.0766	0.206	0.206	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	2706-90-3	Perfluoropentanoic Acid (PFPeA)	0.103	TRG	Yes	Y	J	J	J	Y	0.0876	0.438	0.438	ug/kg	Level 4	RL
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	376-06-7	Perfluorotetradecanoic acid (PFTeDA)		TRG	Yes	N	U		U	Y	0.142	0.219	0.219	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	72629-94-8	Perfluorotridecanoic Acid (PFTriA/PFTrDA)		TRG	Yes	N	U		U	Y	0.120	0.219	0.219	ug/kg	Level 4	
HVAC SW EAST-S-1	E1633	1	25H1535-03RE1	8.7	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	0.157	TRG	Yes	Y	J	J	J	Y	0.120	0.219	0.219	ug/kg	Level 4	RL
HVAC SW EAST-S-1	Q_P_PFAS, E	1	25H1535-03RE1	8.7	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		TRG	Yes	N	U		U	Y	0.427	0.438	0.438	ug/kg	Level 4	
HVAC SW WEST-S-1	SM 2540G	1	25H1535-04	9.4	SOLID	Solids, Percent	90.6	TRG	Yes	Y				Y	0.100	0.100	0.100	%	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	630-20-6	1,1,1,2-Tetrachloroethane		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	71-55-6	1,1,1-Trichloroethane (TCA)		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	79-34-5	1,1,2,2-Tetrachloroethane		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	79-00-5	1,1,2-Trichloroethane		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	75-34-3	1,1-Dichloroethane		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	75-35-4	1,1-Dichloroethene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	87-61-6	1,2,3-Trichlorobenzene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	96-18-4	1,2,3-Trichloropropane		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	120-82-1	1,2,4-Trichlorobenzene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	95-63-6	1,2,4-Trimethylbenzene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	96-12-8	1,2-Dibromo-3-Chloropropane		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	95-50-1	1,2-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	107-06-2	1,2-Dichloroethane		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	78-87-5	1,2-Dichloropropane		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	108-67-8	1,3,5-Trimethylbenzene (Mesitylene)		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	541-73-1	1,3-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	106-46-7	1,4-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	591-78-6	2-Hexanone		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	67-64-1	Acetone	0.021	TRG	Yes	Y		J+	J+	Y	0.0050	0.010	0.010	mg/kg	Level 4	BT+,CV+,LC+,SS+
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	107-02-8	Acrolein		TRG	Yes	N	U		U	Y	0.0050	0.010	0.010	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	107-13-1	Acrylonitrile		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	71-43-2	Benzene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	74-97-5	Bromochloromethane		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	75-27-4	Bromodichloromethane		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	75-25-2	Bromoform		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	74-83-9	Bromomethane		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	75-15-0	Carbon Disulfide		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	56-23-5	Carbon Tetrachloride		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	108-90-7	Chlorobenzene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	75-00-3	Chloroethane		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	67-66-3	Chloroform		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	74-87-3	Chloromethane (Methyl Chloride)		TRG	Yes	N	U	UJ	UJ	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	CV-
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	156-59-2	cis-1,2-Dichlorethene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	10061-01-5	cis-1,3-Dichloropropene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	110-82-7	Cyclohexane		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	124-48-1	Dibromochloromethane		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	74-95-3	Dibromomethane		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	75-71-8	Dichlorodifluoromethane		TRG	Yes	N	U	UJ	UJ	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	SS-
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	100-41-4	Ethylbenzene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	87-68-3	Hexachlorobutadiene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	98-82-8	Isopropylbenzene (Cumene)		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	179601-23-1	m,p-Xylene		TRG	Yes	N	U		U	Y	0.0050	0.010	0.010	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	79-20-9	Methyl Acetate		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	78-93-3	Methyl Ethyl Ketone (2-Butanone)		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	108-87-2	Methylcyclohexane		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	75-09-2	Methylene Chloride		TRG	Yes	N	U		U	Y	0.0050	0.010	0.010	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	104-51-8	N-Butylbenzene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	103-65-1	N-Propylbenzene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	95-47-6	o-Xylene (1,2-Dimethylbenzene)		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	99-87-6	p-Cymene (p-Isopropyltoluene)		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	135-98-8	sec-Butylbenzene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	100-42-5	Styrene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	75-65-0	tert-Butyl Alcohol		TRG	Yes	N	U		U	Y	0.012	0.025	0.025	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	1634-04-4	tert-Butyl Methyl Ether		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	98-06-6	tert-Butylbenzene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	127-18-4	Tetrachloroethene (PCE)		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	108-88-3	Toluene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	156-60-5	trans-1,2-Dichloroethene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	10061-02-6	trans-1,3-Dichloropropene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	110-57-6	Trans-1,4-Dichloro-2-Butene		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	79-01-6	Trichloroethene (TCE)		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	75-69-4	Trichlorofluoromethane		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	75-01-4	Vinyl Chloride		TRG	Yes	N	U		U	Y	0.0025	0.0050	0.0050	mg/kg	Level 4	
HVAC SW WEST-S-1	SW8260	1	25H1535-04	9.4	1330-20-7	Xylenes		TRG	Yes	N	U		U	Y	0.0075	0.015	0.015	mg/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)		TRG	Yes	N	U		U	Y	0.244	0.838	0.838	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	39108-34-4	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid		TRG	Yes	N	U		U	Y	0.177	0.851	0.851	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	757124-72-4	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid		TRG	Yes	N	U		U	Y	0.244	0.831	0.831	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	27619-97-2	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid		TRG	Yes	N	U		U	Y	0.199	0.842	0.842	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.809	5.54	5.54	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	812-70-4	3-Perfluoroheptyl propanoic acid (7:3FTCA)		TRG	Yes	N	U		U	Y	1.04	5.54	5.54	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	356-02-5	3-Perfluoropropyl propanoic acid (3:3 FTCA)		TRG	Yes	N	U		U	Y	0.355	1.11	1.11	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.288	0.838	0.838	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)		TRG	Yes	N	U		U	Y	0.299	0.829	0.829	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)		TRG	Yes	N	U	UR	UR	Y	0.255	0.886	0.886	ug/kg	Level 4	CV-,LC-
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOSA)		TRG	Yes	N	U		U	Y	0.0997	0.222	0.222	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		TRG	Yes	N	U		U	Y	0.554	0.554	0.554	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		TRG	Yes	N	U		U	Y	0.510	2.22	2.22	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	31506-32-8	N-methyl perfluorooctanesulfonamide (NMeFOSA)		TRG	Yes	N	U		U	Y	0.144	0.222	0.222	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		TRG	Yes	N	U	UJ	UJ	Y	0.0886	0.222	0.222	ug/kg	Level 4	LC-
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		TRG	Yes	N	U		U	Y	0.809	2.22	2.22	ug/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		TRG	Yes	N	U		U	Y	0.0665	0.394	0.394	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		TRG	Yes	N	U		U	Y	0.0443	0.443	0.443	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		TRG	Yes	N	U		U	Y	0.133	0.443	0.443	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	375-73-5	Perfluorobutanesulfonic acid (PFBS)		TRG	Yes	N	U		U	Y	0.0776	0.196	0.196	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	375-22-4	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.177	0.886	0.886	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	335-77-3	Perfluorodecanesulfonic acid (PFDS)		TRG	Yes	N	U		U	Y	0.0665	0.214	0.214	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	335-76-2	Perfluorodecanoic acid (PFDA)		TRG	Yes	N	U		U	Y	0.0886	0.222	0.222	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		TRG	Yes	N	U		U	Y	0.166	0.215	0.215	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	307-55-1	Perfluorododecanoic acid (PFDoA)	0.0903	TRG	Yes	Y	J	J	J	Y	0.0886	0.222	0.222	ug/kg	Level 4	QCP,RL
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		TRG	Yes	N	U		U	Y	0.0776	0.222	0.222	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	375-85-9	Perfluoroheptanoic acid (PFHpA)		TRG	Yes	N	U		U	Y	0.122	0.222	0.222	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.150	TRG	Yes	Y	J	J	J	Y	0.0776	0.203	0.203	ug/kg	Level 4	RL
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	307-24-4	Perfluorohexanoic acid (PFHxA)		TRG	Yes	N	U		U	Y	0.0554	0.222	0.222	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	68259-12-1	Perfluorononanesulfonic Acid (PFNS)		TRG	Yes	N	U	UR	UR	Y	0.155	0.213	0.213	ug/kg	Level 4	CV-,LC-
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	375-95-1	Perfluorononanoic acid (PFNA)		TRG	Yes	N	U		U	Y	0.155	0.222	0.222	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	754-91-6	Perfluorooctane Sulfonamide (PFOSA)		TRG	Yes	N	U		U	Y	0.0332	0.222	0.222	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.567	TRG	Yes	Y				Y	0.0776	0.206	0.206	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	335-67-1	Perfluorooctanoic acid (PFOA)		TRG	Yes	N	U		U	Y	0.0776	0.222	0.222	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)		TRG	Yes	N	U		U	Y	0.0776	0.208	0.208	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	2706-90-3	Perfluoropentanoic Acid (PFPeA)		TRG	Yes	N	U		U	Y	0.0886	0.443	0.443	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	376-06-7	Perfluorotetradecanoic acid (PFTeDA)		TRG	Yes	N	U		U	Y	0.144	0.222	0.222	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	72629-94-8	Perfluorotridecanoic Acid (PFTriA/PFTrDA)		TRG	Yes	N	U		U	Y	0.122	0.222	0.222	ug/kg	Level 4	
HVAC SW WEST-S-1	E1633	1	25H1535-04RE1	9.4	2058-94-8	Perfluoroundecanoic Acid (PFUnA)		TRG	Yes	N	U		U	Y	0.122	0.222	0.222	ug/kg	Level 4	
HVAC SW WEST-S-1	Q_P_PFAS, E	1	25H1535-04RE1	9.4	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		TRG	Yes	N	U		U	Y	0.432	0.443	0.443	ug/kg	Level 4	
HVAC SW NORTH 1-3	SM 2540G	1	25H1535-05	10.4	SOLID	Solids, Percent	89.6	TRG	Yes	Y				Y	0.100	0.100	0.100	%	Level 4	
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7429-90-5	Aluminum	15500	TRG	Yes	Y		J	J	Y	4.65	4.65	4.65	mg/kg	Level 4	PD+,SD
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7440-36-0	Antimony		TRG	Yes	N	U	UJ	UJ	Y	2.32	2.32	2.32	mg/kg	Level 4	MS-
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7440-38-2	Arsenic	3.25	TRG	Yes	Y				Y	1.39	1.39	1.39	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7440-39-3	Barium	112	TRG	Yes	Y				Y	2.32	2.32	2.32	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7440-41-7	Beryllium		TRG	Yes	N	U		U	Y	0.047	0.047	0.047	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7440-43-9	Cadmium	0.307	TRG	Yes	Y				Y	0.279	0.279	0.279	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7440-70-2	Calcium	4760	TRG	Yes	Y		J	J	Y	4.65	4.65	4.65	mg/kg	Level 4	LD,PD+,SD
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7440-47-3	Chromium, Total	25.0	TRG	Yes	Y		J	J	Y	0.465	0.465	0.465	mg/kg	Level 4	SD
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7440-48-4	Cobalt	12.3	TRG	Yes	Y				Y	0.372	0.372	0.372	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7440-50-8	Copper	37.2	TRG	Yes	Y				Y	1.86	1.86	1.86	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7439-89-6	Iron	24700	TRG	Yes	Y		J	J	Y	23.2	23.2	23.2	mg/kg	Level 4	PD-,SD
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7439-92-1	Lead	8.71	TRG	Yes	Y				Y	0.465	0.465	0.465	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7439-95-4	Magnesium	6450	TRG	Yes	Y		J	J	Y	4.65	4.65	4.65	mg/kg	Level 4	LD,PD+,SD
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7439-96-5	Manganese	386	TRG	Yes	Y		J	J	Y	0.465	0.465	0.465	mg/kg	Level 4	SD
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7440-02-0	Nickel	19.0	TRG	Yes	Y				Y	0.926	0.926	0.926	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7440-09-7	Potassium	4160	TRG	Yes	Y		J	J	Y	4.65	4.65	4.65	mg/kg	Level 4	PD-,SD
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7782-49-2	Selenium		TRG	Yes	N	U		U	Y	2.32	2.32	2.32	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7440-22-4	Silver		TRG	Yes	N	U		U	Y	0.469	0.469	0.469	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7440-23-5	Sodium	622	TRG	Yes	Y		J	J	Y	46.5	46.5	46.5	mg/kg	Level 4	LD
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7440-28-0	Thallium		TRG	Yes	N	U		U	Y	1.12	1.86	1.86	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7440-62-2	Vanadium	44.7	TRG	Yes	Y				Y	0.926	0.926	0.926	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW6010	1	25H1535-05	10.4	7440-66-6	Zinc	53.8	TRG	Yes	Y				Y	2.32	2.32	2.32	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW7473	1	25H1535-05	10.4	7439-97-6	Mercury		TRG	Yes	N	U		U	Y	0.0335	0.0335	0.0335	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8081	5	25H1535-05	10.4	309-00-2	Aldrin		TRG	Yes	N	U		U	Y	0.00181	0.00181	0.00181	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8081	5	25H1535-05	10.4	959-98-8	alpha-Endosulfan		TRG	Yes	N	U		U	Y	0.00181	0.00181	0.00181	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8081	5	25H1535-05	10.4	319-84-6	alpha-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00181	0.00181	0.00181	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8081	5	25H1535-05	10.4	33213-65-9	beta-Endosulfan		TRG	Yes	N	U		U	Y	0.00181	0.00181	0.00181	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8081	5	25H1535-05	10.4	319-85-7	beta-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00181	0.00181	0.00181	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8081	5	25H1535-05	10.4	57-74-9	Chlordane		TRG	Yes	N	U		U	Y	0.0362	0.0362	0.0362	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8081	5	25H1535-05	10.4	319-86-8	delta-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00181	0.00181	0.00181	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8081	5	25H1535-05	10.4	60-57-1	Dieldrin		TRG	Yes	N	U		U	Y	0.00181	0.00181	0.00181	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8081	5	25H1535-05	10.4	1031-07-8	Endosulfan Sulfate		TRG	Yes	N	U		U	Y	0.00181	0.00181	0.00181	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8081	5	25H1535-05	10.4	72-20-8	Endrin		TRG	Yes	N	U		U	Y	0.00181	0.00181	0.00181	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8081	5	25H1535-05	10.4	7421-93-4	Endrin Aldehyde		TRG	Yes	N	U		U	Y	0.00181	0.00181	0.00181	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8081	5	25H1535-05	10.4	53494-70-5	Endrin Ketone		TRG	Yes	N	U		U	Y	0.00181	0.00181	0.00181	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8081	5	25H1535-05	10.4	58-89-9	gamma-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00181	0.00181	0.00181	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8081	5	25H1535-05	10.4	76-44-8	Heptachlor		TRG	Yes	N	U		U	Y	0.00181	0.00181	0.00181	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8081	5	25H1535-05	10.4	1024-57-3	Heptachlor Epoxide		TRG	Yes	N	U		U	Y	0.00181	0.00181	0.00181	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8081	5	25H1535-05	10.4	72-43-5	Methoxychlor		TRG	Yes	N	U		U	Y	0.00181	0.00181	0.00181	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8081	5	25H1535-05	10.4	72-54-8	P,P'-DDD		TRG	Yes	N	U		U	Y	0.00181	0.00181	0.00181	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8081	5	25H1535-05	10.4	72-55-9	P,P'-DDE		TRG	Yes	N	U		U	Y	0.00181	0.00181	0.00181	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8081	5	25H1535-05	10.4	50-29-3	P,P'-DDT	0.00258	TRG	Yes	Y	D			Y	0.00181	0.00181	0.00181	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8081	5	25H1535-05	10.4	8001-35-2	Toxaphene		TRG	Yes	N	U		U	Y	0.181	0.181	0.181	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC SW NORTH 1-3	SW8082	1	25H1535-05	10.4	12674-11-2	PCB-1016 (Aroclor 1016)		TRG	Yes	N	U		U	Y	0.0183	0.0183	0.0183	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8082	1	25H1535-05	10.4	11104-28-2	PCB-1221 (Aroclor 1221)		TRG	Yes	N	U		U	Y	0.0183	0.0183	0.0183	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8082	1	25H1535-05	10.4	11141-16-5	PCB-1232 (Aroclor 1232)		TRG	Yes	N	U		U	Y	0.0183	0.0183	0.0183	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8082	1	25H1535-05	10.4	53469-21-9	PCB-1242 (Aroclor 1242)		TRG	Yes	N	U		U	Y	0.0183	0.0183	0.0183	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8082	1	25H1535-05	10.4	12672-29-6	PCB-1248 (Aroclor 1248)		TRG	Yes	N	U		U	Y	0.0183	0.0183	0.0183	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8082	1	25H1535-05	10.4	11097-69-1	PCB-1254 (Aroclor 1254)		TRG	Yes	N	U		U	Y	0.0183	0.0183	0.0183	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8082	1	25H1535-05	10.4	11096-82-5	PCB-1260 (Aroclor 1260)		TRG	Yes	N	U		U	Y	0.0183	0.0183	0.0183	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8082	1	25H1535-05	10.4	1336-36-3	Polychlorinated Biphenyl (PCBs)		TRG	Yes	N	U		U	Y	0.0183	0.0183	0.0183	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	95-94-3	1,2,4,5-Tetrachlorobenzene		TRG	Yes	N	U		U	Y	0.0918	0.183	0.183	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	120-82-1	1,2,4-Trichlorobenzene		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	95-50-1	1,2-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	122-66-7	1,2-Diphenylhydrazine		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	541-73-1	1,3-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	106-46-7	1,4-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	58-90-2	2,3,4,6-Tetrachlorophenol		TRG	Yes	N	U		U	Y	0.0918	0.183	0.183	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	95-95-4	2,4,5-Trichlorophenol		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	88-06-2	2,4,6-Trichlorophenol		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	120-83-2	2,4-Dichlorophenol		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	105-67-9	2,4-Dimethylphenol		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	51-28-5	2,4-Dinitrophenol		TRG	Yes	N	U	UJ	UJ	Y	0.0918	0.183	0.183	mg/kg	Level 4	LC-
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	121-14-2	2,4-Dinitrotoluene		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	606-20-2	2,6-Dinitrotoluene		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	91-58-7	2-Chloronaphthalene		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	95-57-8	2-Chlorophenol		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	91-57-6	2-Methylnaphthalene	0.253	TRG	Yes	Y	D			Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	95-48-7	2-Methylphenol (O-Cresol)		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	88-74-4	2-Nitroaniline		TRG	Yes	N	U		U	Y	0.0918	0.183	0.183	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	88-75-5	2-Nitrophenol		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	91-94-1	3,3'-Dichlorobenzidine		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	99-09-2	3-Nitroaniline		TRG	Yes	N	U		U	Y	0.0918	0.183	0.183	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	534-52-1	4,6-Dinitro-2-Methylphenol		TRG	Yes	N	U		U	Y	0.0918	0.183	0.183	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	101-55-3	4-Bromophenyl Phenyl Ether		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	59-50-7	4-Chloro-3-Methylphenol		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	106-47-8	4-Chloroaniline		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	7005-72-3	4-Chlorophenyl Phenyl Ether		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	100-01-6	4-Nitroaniline		TRG	Yes	N	U		U	Y	0.0918	0.183	0.183	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	100-02-7	4-Nitrophenol		TRG	Yes	N	U		U	Y	0.0918	0.183	0.183	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	83-32-9	Acenaphthene	0.126	TRG	Yes	Y	D			Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	208-96-8	Acenaphthylene	0.453	TRG	Yes	Y	D			Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	98-86-2	Acetophenone		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	62-53-3	Aniline		TRG	Yes	N	U		U	Y	0.184	0.368	0.368	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	120-12-7	Anthracene	0.500	TRG	Yes	Y	D			Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	1912-24-9	Atrazine		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	100-52-7	Benzaldehyde		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	92-87-5	Benzidine		TRG	Yes	N	U		U	Y	0.184	0.368	0.368	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	56-55-3	Benzo(a)anthracene	1.55	TRG	Yes	Y	D			Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	50-32-8	Benzo(a)pyrene	1.46	TRG	Yes	Y	D			Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	205-99-2	Benzo(b)fluoranthene	0.912	TRG	Yes	Y	D	J	J	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	IN
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	191-24-2	Benzo(g,h,i)perylene	1.02	TRG	Yes	Y	D	J+	J+	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	CV+
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	207-08-9	Benzo(k)fluoranthene	0.856	TRG	Yes	Y	D	J	J	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	IN
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	65-85-0	Benzoic Acid		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	100-51-6	Benzyl Alcohol		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	85-68-7	Benzyl Butyl Phthalate		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	92-52-4	Biphenyl (Diphenyl or 1,1'-Biphenyl)		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	111-91-1	Bis(2-Chloroethoxy) Methane		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	108-60-1	Bis(2-Chloroisopropyl) Ether		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	117-81-7	Bis(2-Ethylhexyl) Phthalate		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	105-60-2	Caprolactam		TRG	Yes	N	U		U	Y	0.0918	0.183	0.183	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	86-74-8	Carbazole		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	218-01-9	Chrysene	1.73	TRG	Yes	Y	D			Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	53-70-3	Dibenz(a,h)anthracene	0.269	TRG	Yes	Y	D	J+	J+	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	CV+
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	132-64-9	Dibenzofuran	0.0595	TRG	Yes	Y	JD	J	J	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	RL
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	84-66-2	Diethyl Phthalate		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	131-11-3	Dimethyl Phthalate		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	84-74-2	Di-N-Butyl Phthalate		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	117-84-0	Di-N-Octylphthalate		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	122-39-4	Diphenylamine		TRG	Yes	N	U		U	Y	0.0918	0.183	0.183	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	206-44-0	Fluoranthene	1.69	TRG	Yes	Y	D			Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	86-73-7	Fluorene	0.452	TRG	Yes	Y	D			Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	118-74-1	Hexachlorobenzene		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	87-68-3	Hexachlorobutadiene		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	77-47-4	Hexachlorocyclopentadiene		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	67-72-1	Hexachloroethane		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	193-39-5	Indeno(1,2,3-c,d)pyrene	0.589	TRG	Yes	Y	D			Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	78-59-1	Isophorone		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	65794-96-9	M+P MethylPhenol		TRG	Yes	N	U	UJ	UJ	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	CV-
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	91-20-3	Naphthalene	0.255	TRG	Yes	Y	D			Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	98-95-3	Nitrobenzene		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	62-75-9	N-Nitrosodimethylamine		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	621-64-7	N-Nitrosodi-N-Propylamine		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	86-30-6	N-Nitrosodiphenylamine		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	87-86-5	Pentachlorophenol		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	85-01-8	Phenanthrene	1.59	TRG	Yes	Y	D			Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	2	25H1535-05	10.4	108-95-2	Phenol		TRG	Yes	N	U		U	Y	0.0460	0.0918	0.0918	mg/kg	Level 4	
HVAC SW NORTH 1-3	SW8270DSII	1	25H1535-05	10.4	123-91-1	1,4-Dioxane (P-Dioxane)		TRG	Yes	N	U	UR	UR	Y	3.59	19.4	19.4	ug/kg	Level 4	TN
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)		TRG	Yes	N	U		U	Y	0.245	0.842	0.842	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	39108-34-4	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid		TRG	Yes	N	U		U	Y	0.178	0.855	0.855	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	757124-72-4	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid		TRG	Yes	N	U		U	Y	0.245	0.835	0.835	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	27619-97-2	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid		TRG	Yes	N	U		U	Y	0.200	0.846	0.846	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.813	5.57	5.57	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	812-70-4	3-Perfluoroheptyl propanoic acid (7:3FTCA)		TRG	Yes	N	U		U	Y	1.05	5.57	5.57	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	356-02-5	3-Perfluoropropyl propanoic acid (3:3 FTCA)		TRG	Yes	N	U		U	Y	0.356	1.11	1.11	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.290	0.842	0.842	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)		TRG	Yes	N	U		U	Y	0.301	0.833	0.833	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)		TRG	Yes	N	U	UR	UR	Y	0.256	0.891	0.891	ug/kg	Level 4	CV-,LC-
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOSA)		TRG	Yes	N	U		U	Y	0.100	0.223	0.223	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		TRG	Yes	N	U		U	Y	0.557	0.557	0.557	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		TRG	Yes	N	U		U	Y	0.512	2.23	2.23	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	31506-32-8	N-methyl perfluorooctanesulfonamide (NMeFOSA)		TRG	Yes	N	U		U	Y	0.145	0.223	0.223	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		TRG	Yes	N	U	UJ	UJ	Y	0.0891	0.223	0.223	ug/kg	Level 4	LC-
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		TRG	Yes	N	U		U	Y	0.813	2.23	2.23	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		TRG	Yes	N	U		U	Y	0.0668	0.396	0.396	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		TRG	Yes	N	U		U	Y	0.0445	0.445	0.445	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		TRG	Yes	N	U		U	Y	0.134	0.445	0.445	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	375-73-5	Perfluorobutanesulfonic acid (PFBS)		TRG	Yes	N	U		U	Y	0.0780	0.197	0.197	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	375-22-4	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.178	0.891	0.891	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	335-77-3	Perfluorodecanesulfonic acid (PFDS)		TRG	Yes	N	U		U	Y	0.0668	0.215	0.215	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	335-76-2	Perfluorodecanoic acid (PFDA)		TRG	Yes	N	U		U	Y	0.0891	0.223	0.223	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		TRG	Yes	N	U		U	Y	0.167	0.216	0.216	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	307-55-1	Perfluorododecanoic acid (PFDoA)		TRG	Yes	N	U		U	Y	0.0891	0.223	0.223	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		TRG	Yes	N	U		U	Y	0.0780	0.223	0.223	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	375-85-9	Perfluoroheptanoic acid (PFHpA)		TRG	Yes	N	U		U	Y	0.122	0.223	0.223	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.174	TRG	Yes	Y	J	J	J	Y	0.0780	0.204	0.204	ug/kg	Level 4	RL
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	307-24-4	Perfluorohexanoic acid (PFHxA)		TRG	Yes	N	U		U	Y	0.0557	0.223	0.223	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	68259-12-1	Perfluorononanesulfonic Acid (PFNS)		TRG	Yes	N	U	UR	UR	Y	0.156	0.214	0.214	ug/kg	Level 4	CV-,LC-
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	375-95-1	Perfluorononanoic acid (PFNA)		TRG	Yes	N	U		U	Y	0.156	0.223	0.223	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	754-91-6	Perfluorooctane Sulfonamide (PFOSA)	0.0384	TRG	Yes	Y	J	J	J	Y	0.0334	0.223	0.223	ug/kg	Level 4	IN,RL
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.35	TRG	Yes	Y				Y	0.0780	0.207	0.207	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	335-67-1	Perfluorooctanoic acid (PFOA)		TRG	Yes	N	U		U	Y	0.0780	0.223	0.223	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)		TRG	Yes	N	U		U	Y	0.0780	0.209	0.209	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	2706-90-3	Perfluoropentanoic Acid (PFPeA)		TRG	Yes	N	U		U	Y	0.0891	0.445	0.445	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	376-06-7	Perfluorotetradecanoic acid (PFTeDA)		TRG	Yes	N	U		U	Y	0.145	0.223	0.223	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	72629-94-8	Perfluorotridecanoic Acid (PFTriA/PFTrDA)		TRG	Yes	N	U		U	Y	0.122	0.223	0.223	ug/kg	Level 4	
HVAC SW NORTH 1-3	E1633	1	25H1535-05RE1	10.4	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	0.129	TRG	Yes	Y	J	J	J	Y	0.122	0.223	0.223	ug/kg	Level 4	QCP,RL
HVAC SW NORTH 1-3	Q_P_PFAS, E	1	25H1535-05RE1	10.4	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		TRG	Yes	N	U		U	Y	0.434	0.445	0.445	ug/kg	Level 4	
HVAC SW NORTH 1-3	SW8270	5	25H1535-05RE1	10.4	129-00-0	Pyrene	4.62	TRG	Yes	Y	D			Y	0.115	0.230	0.230	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SM 2540G	1	25H1535-06	7.5	SOLID	Solids, Percent	92.5	TRG	Yes	Y				Y	0.100	0.100	0.100	%	Level 4	
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7429-90-5	Aluminum	12000	TRG	Yes	Y		J	J	Y	4.50	4.50	4.50	mg/kg	Level 4	PD+,SD
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7440-36-0	Antimony		TRG	Yes	N	U	UJ	UJ	Y	2.25	2.25	2.25	mg/kg	Level 4	MS-
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7440-38-2	Arsenic	3.02	TRG	Yes	Y				Y	1.35	1.35	1.35	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7440-39-3	Barium	89.1	TRG	Yes	Y				Y	2.25	2.25	2.25	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7440-41-7	Beryllium		TRG	Yes	N	U		U	Y	0.045	0.045	0.045	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7440-43-9	Cadmium		TRG	Yes	N	U		U	Y	0.270	0.270	0.270	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7440-70-2	Calcium	17600	TRG	Yes	Y		J	J	Y	4.50	4.50	4.50	mg/kg	Level 4	LD,PD+,SD
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7440-47-3	Chromium, Total	22.5	TRG	Yes	Y		J	J	Y	0.451	0.451	0.451	mg/kg	Level 4	SD

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7440-48-4	Cobalt	8.99	TRG	Yes	Y				Y	0.360	0.360	0.360	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7440-50-8	Copper	36.6	TRG	Yes	Y				Y	1.80	1.80	1.80	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7439-89-6	Iron	18800	TRG	Yes	Y		J	J	Y	22.5	22.5	22.5	mg/kg	Level 4	PD-,SD
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7439-92-1	Lead	16.2	TRG	Yes	Y				Y	0.451	0.451	0.451	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7439-95-4	Magnesium	5790	TRG	Yes	Y		J	J	Y	4.51	4.51	4.51	mg/kg	Level 4	LD,PD+,SD
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7439-96-5	Manganese	350	TRG	Yes	Y		J	J	Y	0.451	0.451	0.451	mg/kg	Level 4	SD
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7440-02-0	Nickel	15.6	TRG	Yes	Y				Y	0.897	0.897	0.897	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7440-09-7	Potassium	3030	TRG	Yes	Y		J	J	Y	4.51	4.51	4.51	mg/kg	Level 4	PD-,SD
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7782-49-2	Selenium		TRG	Yes	N	U		U	Y	2.25	2.25	2.25	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7440-22-4	Silver		TRG	Yes	N	U		U	Y	0.454	0.454	0.454	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7440-23-5	Sodium	355	TRG	Yes	Y		J	J	Y	45.0	45.0	45.0	mg/kg	Level 4	LD
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7440-28-0	Thallium		TRG	Yes	N	U		U	Y	1.08	1.81	1.81	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7440-62-2	Vanadium	33.6	TRG	Yes	Y				Y	0.897	0.897	0.897	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW6010	1	25H1535-06	7.5	7440-66-6	Zinc	72.7	TRG	Yes	Y				Y	2.24	2.24	2.24	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW7473	1	25H1535-06	7.5	7439-97-6	Mercury		TRG	Yes	N	U		U	Y	0.0324	0.0324	0.0324	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8081	5	25H1535-06	7.5	309-00-2	Aldrin		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8081	5	25H1535-06	7.5	959-98-8	alpha-Endosulfan		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8081	5	25H1535-06	7.5	319-84-6	alpha-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8081	5	25H1535-06	7.5	33213-65-9	beta-Endosulfan		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8081	5	25H1535-06	7.5	319-85-7	beta-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8081	5	25H1535-06	7.5	57-74-9	Chlordane		TRG	Yes	N	U		U	Y	0.0353	0.0353	0.0353	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8081	5	25H1535-06	7.5	319-86-8	delta-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8081	5	25H1535-06	7.5	60-57-1	Dieldrin		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8081	5	25H1535-06	7.5	1031-07-8	Endosulfan Sulfate		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8081	5	25H1535-06	7.5	72-20-8	Endrin		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8081	5	25H1535-06	7.5	7421-93-4	Endrin Aldehyde		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8081	5	25H1535-06	7.5	53494-70-5	Endrin Ketone		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8081	5	25H1535-06	7.5	58-89-9	gamma-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8081	5	25H1535-06	7.5	76-44-8	Heptachlor		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8081	5	25H1535-06	7.5	1024-57-3	Heptachlor Epoxide		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8081	5	25H1535-06	7.5	72-43-5	Methoxychlor		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8081	5	25H1535-06	7.5	72-54-8	P,P'-DDD		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8081	5	25H1535-06	7.5	72-55-9	P,P'-DDE		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8081	5	25H1535-06	7.5	50-29-3	P,P'-DDT		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8081	5	25H1535-06	7.5	8001-35-2	Toxaphene		TRG	Yes	N	U		U	Y	0.177	0.177	0.177	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8082	1	25H1535-06	7.5	12674-11-2	PCB-1016 (Aroclor 1016)		TRG	Yes	N	U		U	Y	0.0178	0.0178	0.0178	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8082	1	25H1535-06	7.5	11104-28-2	PCB-1221 (Aroclor 1221)		TRG	Yes	N	U		U	Y	0.0178	0.0178	0.0178	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8082	1	25H1535-06	7.5	11141-16-5	PCB-1232 (Aroclor 1232)		TRG	Yes	N	U		U	Y	0.0178	0.0178	0.0178	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8082	1	25H1535-06	7.5	53469-21-9	PCB-1242 (Aroclor 1242)		TRG	Yes	N	U		U	Y	0.0178	0.0178	0.0178	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8082	1	25H1535-06	7.5	12672-29-6	PCB-1248 (Aroclor 1248)		TRG	Yes	N	U		U	Y	0.0178	0.0178	0.0178	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8082	1	25H1535-06	7.5	11097-69-1	PCB-1254 (Aroclor 1254)		TRG	Yes	N	U		U	Y	0.0178	0.0178	0.0178	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8082	1	25H1535-06	7.5	11096-82-5	PCB-1260 (Aroclor 1260)		TRG	Yes	N	U		U	Y	0.0178	0.0178	0.0178	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8082	1	25H1535-06	7.5	1336-36-3	Polychlorinated Biphenyl (PCBs)		TRG	Yes	N	U		U	Y	0.0178	0.0178	0.0178	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	95-94-3	1,2,4,5-Tetrachlorobenzene		TRG	Yes	N	U		U	Y	0.0896	0.179	0.179	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	120-82-1	1,2,4-Trichlorobenzene		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	95-50-1	1,2-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	122-66-7	1,2-Diphenylhydrazine		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	541-73-1	1,3-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	106-46-7	1,4-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	58-90-2	2,3,4,6-Tetrachlorophenol		TRG	Yes	N	U		U	Y	0.0896	0.179	0.179	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	95-95-4	2,4,5-Trichlorophenol		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	88-06-2	2,4,6-Trichlorophenol		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	120-83-2	2,4-Dichlorophenol		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	105-67-9	2,4-Dimethylphenol		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	51-28-5	2,4-Dinitrophenol		TRG	Yes	N	U	UJ	UJ	Y	0.0896	0.179	0.179	mg/kg	Level 4	LC-
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	121-14-2	2,4-Dinitrotoluene		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	606-20-2	2,6-Dinitrotoluene		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	91-58-7	2-Chloronaphthalene		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	95-57-8	2-Chlorophenol		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	91-57-6	2-Methylnaphthalene	0.0680	TRG	Yes	Y	JD	J	J	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	RL
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	95-48-7	2-Methylphenol (O-Cresol)		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	88-74-4	2-Nitroaniline		TRG	Yes	N	U		U	Y	0.0896	0.179	0.179	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	88-75-5	2-Nitrophenol		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	91-94-1	3,3'-Dichlorobenzidine		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	99-09-2	3-Nitroaniline		TRG	Yes	N	U		U	Y	0.0896	0.179	0.179	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	534-52-1	4,6-Dinitro-2-Methylphenol		TRG	Yes	N	U		U	Y	0.0896	0.179	0.179	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	101-55-3	4-Bromophenyl Phenyl Ether		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	59-50-7	4-Chloro-3-Methylphenol		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	106-47-8	4-Chloroaniline		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	7005-72-3	4-Chlorophenyl Phenyl Ether		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	100-01-6	4-Nitroaniline		TRG	Yes	N	U		U	Y	0.0896	0.179	0.179	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	100-02-7	4-Nitrophenol		TRG	Yes	N	U		U	Y	0.0896	0.179	0.179	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	83-32-9	Acenaphthene		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	208-96-8	Acenaphthylene	0.210	TRG	Yes	Y	D			Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	98-86-2	Acetophenone		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	62-53-3	Aniline		TRG	Yes	N	U		U	Y	0.179	0.359	0.359	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	120-12-7	Anthracene	0.190	TRG	Yes	Y	D			Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	1912-24-9	Atrazine		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	100-52-7	Benzaldehyde		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	92-87-5	Benzidine		TRG	Yes	N	U		U	Y	0.179	0.359	0.359	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	56-55-3	Benzo(a)anthracene	0.799	TRG	Yes	Y	D			Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	50-32-8	Benzo(a)pyrene	0.664	TRG	Yes	Y	D			Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	205-99-2	Benzo(b)fluoranthene	0.434	TRG	Yes	Y	D	J	J	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	IN
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	191-24-2	Benzo(g,h,i)perylene	0.462	TRG	Yes	Y	D	J+	J+	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	CV+
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	207-08-9	Benzo(k)fluoranthene	0.400	TRG	Yes	Y	D	J	J	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	IN
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	65-85-0	Benzoic Acid		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	100-51-6	Benzyl Alcohol		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	85-68-7	Benzyl Butyl Phthalate		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	92-52-4	Biphenyl (Diphenyl or 1,1'-Biphenyl)		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	111-91-1	Bis(2-Chloroethoxy) Methane		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	108-60-1	Bis(2-Chloroisopropyl) Ether		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	117-81-7	Bis(2-Ethylhexyl) Phthalate		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	105-60-2	Caprolactam		TRG	Yes	N	U		U	Y	0.0896	0.179	0.179	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	86-74-8	Carbazole		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	218-01-9	Chrysene	0.863	TRG	Yes	Y	D			Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	53-70-3	Dibenz(a,h)anthracene	0.103	TRG	Yes	Y	D	J+	J+	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	CV+
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	132-64-9	Dibenzofuran		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	84-66-2	Diethyl Phthalate		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	131-11-3	Dimethyl Phthalate		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	84-74-2	Di-N-Butyl Phthalate		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	117-84-0	Di-N-Octylphthalate		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	122-39-4	Diphenylamine		TRG	Yes	N	U		U	Y	0.0896	0.179	0.179	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	206-44-0	Fluoranthene	0.732	TRG	Yes	Y	D			Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	86-73-7	Fluorene	0.103	TRG	Yes	Y	D			Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	118-74-1	Hexachlorobenzene		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	87-68-3	Hexachlorobutadiene		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	77-47-4	Hexachlorocyclopentadiene		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	67-72-1	Hexachloroethane		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	193-39-5	Indeno(1,2,3-c,d)pyrene	0.276	TRG	Yes	Y	D			Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	78-59-1	Isophorone		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	65794-96-9	M+P MethylPhenol		TRG	Yes	N	U	UJ	UJ	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	CV-
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	91-20-3	Naphthalene	0.0888	TRG	Yes	Y	JD	J	J	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	RL
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	98-95-3	Nitrobenzene		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	62-75-9	N-Nitrosodimethylamine		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	621-64-7	N-Nitrosodi-N-Propylamine		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	86-30-6	N-Nitrosodiphenylamine		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	87-86-5	Pentachlorophenol		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	85-01-8	Phenanthrene	0.564	TRG	Yes	Y	D			Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	108-95-2	Phenol		TRG	Yes	N	U		U	Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270	2	25H1535-06	7.5	129-00-0	Pyrene	1.69	TRG	Yes	Y	D			Y	0.0449	0.0896	0.0896	mg/kg	Level 4	
HVAC SW SOUTH 1-3	SW8270DSII	1	25H1535-06	7.5	123-91-1	1,4-Dioxane (P-Dioxane)		TRG	Yes	N	U	UR	UR	Y	3.59	19.4	19.4	ug/kg	Level 4	TN
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)		TRG	Yes	N	U		U	Y	0.236	0.812	0.812	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	39108-34-4	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid		TRG	Yes	N	U		U	Y	0.172	0.825	0.825	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	757124-72-4	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid		TRG	Yes	N	U		U	Y	0.236	0.806	0.806	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	27619-97-2	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid		TRG	Yes	N	U		U	Y	0.193	0.817	0.817	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.784	5.37	5.37	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	812-70-4	3-Perfluoroheptyl propanoic acid (7:3FTCA)		TRG	Yes	N	U		U	Y	1.01	5.37	5.37	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	356-02-5	3-Perfluoropropyl propanoic acid (3:3 FTCA)		TRG	Yes	N	U		U	Y	0.344	1.07	1.07	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.279	0.812	0.812	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)		TRG	Yes	N	U		U	Y	0.290	0.804	0.804	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)		TRG	Yes	N	U	UR	UR	Y	0.247	0.860	0.860	ug/kg	Level 4	CV-,LC-
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOSA)		TRG	Yes	N	U		U	Y	0.0967	0.215	0.215	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		TRG	Yes	N	U		U	Y	0.537	0.537	0.537	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		TRG	Yes	N	U		U	Y	0.494	2.15	2.15	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	31506-32-8	N-methyl perfluorooctanesulfonamide (NMeFOSA)		TRG	Yes	N	U		U	Y	0.140	0.215	0.215	ug/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		TRG	Yes	N	U	UJ	UJ	Y	0.0860	0.215	0.215	ug/kg	Level 4	LC-
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		TRG	Yes	N	U		U	Y	0.784	2.15	2.15	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		TRG	Yes	N	U		U	Y	0.0645	0.383	0.383	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		TRG	Yes	N	U		U	Y	0.0430	0.430	0.430	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		TRG	Yes	N	U		U	Y	0.129	0.430	0.430	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	375-73-5	Perfluorobutanesulfonic acid (PFBS)		TRG	Yes	N	U		U	Y	0.0752	0.190	0.190	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	375-22-4	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.172	0.860	0.860	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	335-77-3	Perfluorodecanesulfonic acid (PFDS)		TRG	Yes	N	U		U	Y	0.0645	0.207	0.207	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	335-76-2	Perfluorodecanoic acid (PFDA)		TRG	Yes	N	U		U	Y	0.0860	0.215	0.215	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		TRG	Yes	N	U		U	Y	0.161	0.208	0.208	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	307-55-1	Perfluorododecanoic acid (PFDoA)		TRG	Yes	N	U		U	Y	0.0860	0.215	0.215	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		TRG	Yes	N	U		U	Y	0.0752	0.215	0.215	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	375-85-9	Perfluoroheptanoic acid (PFHpA)		TRG	Yes	N	U		U	Y	0.118	0.215	0.215	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.0946	TRG	Yes	Y	J	J	J	Y	0.0752	0.197	0.197	ug/kg	Level 4	RL
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	307-24-4	Perfluorohexanoic acid (PFHxA)		TRG	Yes	N	U		U	Y	0.0537	0.215	0.215	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	68259-12-1	Perfluorononanesulfonic Acid (PFNS)		TRG	Yes	N	U	UR	UR	Y	0.150	0.206	0.206	ug/kg	Level 4	CV-,LC-
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	375-95-1	Perfluorononanoic acid (PFNA)		TRG	Yes	N	U		U	Y	0.150	0.215	0.215	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	754-91-6	Perfluorooctane Sulfonamide (PFOSA)		TRG	Yes	N	U		U	Y	0.0322	0.215	0.215	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.60	TRG	Yes	Y				Y	0.0752	0.200	0.200	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	335-67-1	Perfluorooctanoic acid (PFOA)		TRG	Yes	N	U		U	Y	0.0752	0.215	0.215	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)		TRG	Yes	N	U		U	Y	0.0752	0.202	0.202	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	2706-90-3	Perfluoropentanoic Acid (PFPeA)		TRG	Yes	N	U		U	Y	0.0860	0.430	0.430	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	376-06-7	Perfluorotetradecanoic acid (PFTeDA)		TRG	Yes	N	U		U	Y	0.140	0.215	0.215	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	72629-94-8	Perfluorotridecanoic Acid (PFTriA/PFTrDA)		TRG	Yes	N	U		U	Y	0.118	0.215	0.215	ug/kg	Level 4	
HVAC SW SOUTH 1-3	E1633	1	25H1535-06RE1	7.5	2058-94-8	Perfluoroundecanoic Acid (PFUnA)		TRG	Yes	N	U		U	Y	0.118	0.215	0.215	ug/kg	Level 4	
HVAC SW SOUTH 1-3	Q_P_PFAS, E	1	25H1535-06RE1	7.5	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		TRG	Yes	N	U		U	Y	0.419	0.430	0.430	ug/kg	Level 4	
HVAC SW EAST 1-3	SM 2540G	1	25H1535-07	8.3	SOLID	Solids, Percent	91.7	TRG	Yes	Y				Y	0.100	0.100	0.100	%	Level 4	
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7429-90-5	Aluminum	18300	TRG	Yes	Y		J	J	Y	4.54	4.54	4.54	mg/kg	Level 4	PD+,SD
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7440-36-0	Antimony		TRG	Yes	N	U	UJ	UJ	Y	2.27	2.27	2.27	mg/kg	Level 4	MS-
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7440-38-2	Arsenic	3.77	TRG	Yes	Y				Y	1.36	1.36	1.36	mg/kg	Level 4	
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7440-39-3	Barium	132	TRG	Yes	Y				Y	2.27	2.27	2.27	mg/kg	Level 4	
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7440-41-7	Beryllium		TRG	Yes	N	U		U	Y	0.046	0.046	0.046	mg/kg	Level 4	
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7440-43-9	Cadmium		TRG	Yes	N	U		U	Y	0.273	0.273	0.273	mg/kg	Level 4	
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7440-70-2	Calcium	3930	TRG	Yes	Y		J	J	Y	4.54	4.54	4.54	mg/kg	Level 4	LD,PD+,SD
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7440-47-3	Chromium, Total	27.7	TRG	Yes	Y		J	J	Y	0.455	0.455	0.455	mg/kg	Level 4	SD
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7440-48-4	Cobalt	13.8	TRG	Yes	Y				Y	0.363	0.363	0.363	mg/kg	Level 4	
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7440-50-8	Copper	41.7	TRG	Yes	Y				Y	1.82	1.82	1.82	mg/kg	Level 4	
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7439-89-6	Iron	29600	TRG	Yes	Y		J	J	Y	22.7	22.7	22.7	mg/kg	Level 4	PD-,SD
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7439-92-1	Lead	11.2	TRG	Yes	Y				Y	0.455	0.455	0.455	mg/kg	Level 4	
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7439-95-4	Magnesium	7080	TRG	Yes	Y		J	J	Y	4.55	4.55	4.55	mg/kg	Level 4	LD,PD+,SD
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7439-96-5	Manganese	503	TRG	Yes	Y		J	J	Y	0.455	0.455	0.455	mg/kg	Level 4	SD
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7440-02-0	Nickel	21.8	TRG	Yes	Y				Y	0.905	0.905	0.905	mg/kg	Level 4	
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7440-09-7	Potassium	4890	TRG	Yes	Y		J	J	Y	4.55	4.55	4.55	mg/kg	Level 4	PD-,SD
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7782-49-2	Selenium		TRG	Yes	N	U		U	Y	2.27	2.27	2.27	mg/kg	Level 4	
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7440-22-4	Silver		TRG	Yes	N	U		U	Y	0.458	0.458	0.458	mg/kg	Level 4	
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7440-23-5	Sodium	335	TRG	Yes	Y		J	J	Y	45.4	45.4	45.4	mg/kg	Level 4	LD
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7440-28-0	Thallium		TRG	Yes	N	U		U	Y	1.09	1.82	1.82	mg/kg	Level 4	
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7440-62-2	Vanadium	52.1	TRG	Yes	Y				Y	0.905	0.905	0.905	mg/kg	Level 4	
HVAC SW EAST 1-3	SW6010	1	25H1535-07	8.3	7440-66-6	Zinc	59.5	TRG	Yes	Y				Y	2.26	2.26	2.26	mg/kg	Level 4	
HVAC SW EAST 1-3	SW7473	1	25H1535-07	8.3	7439-97-6	Mercury		TRG	Yes	N	U		U	Y	0.0327	0.0327	0.0327	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8081	5	25H1535-07	8.3	309-00-2	Aldrin		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8081	5	25H1535-07	8.3	959-98-8	alpha-Endosulfan		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8081	5	25H1535-07	8.3	319-84-6	alpha-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8081	5	25H1535-07	8.3	33213-65-9	beta-Endosulfan		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8081	5	25H1535-07	8.3	319-85-7	beta-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8081	5	25H1535-07	8.3	57-74-9	Chlordane		TRG	Yes	N	U		U	Y	0.0354	0.0354	0.0354	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8081	5	25H1535-07	8.3	319-86-8	delta-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8081	5	25H1535-07	8.3	60-57-1	Dieldrin		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8081	5	25H1535-07	8.3	1031-07-8	Endosulfan Sulfate		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8081	5	25H1535-07	8.3	72-20-8	Endrin		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8081	5	25H1535-07	8.3	7421-93-4	Endrin Aldehyde		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8081	5	25H1535-07	8.3	53494-70-5	Endrin Ketone		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8081	5	25H1535-07	8.3	58-89-9	gamma-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8081	5	25H1535-07	8.3	76-44-8	Heptachlor		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8081	5	25H1535-07	8.3	1024-57-3	Heptachlor Epoxide		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8081	5	25H1535-07	8.3	72-43-5	Methoxychlor		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8081	5	25H1535-07	8.3	72-54-8	P,P'-DDD		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8081	5	25H1535-07	8.3	72-55-9	P,P'-DDE		TRG	Yes	N	U		U	Y	0.00177	0.00177	0.00177	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC SW EAST 1-3	SW8081	5	25H1535-07	8.3	50-29-3	P,P'-DDT	0.00228	TRG	Yes	Y	D			Y	0.00177	0.00177	0.00177	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8081	5	25H1535-07	8.3	8001-35-2	Toxaphene		TRG	Yes	N	U		U	Y	0.177	0.177	0.177	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8082	1	25H1535-07	8.3	12674-11-2	PCB-1016 (Aroclor 1016)		TRG	Yes	N	U		U	Y	0.0179	0.0179	0.0179	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8082	1	25H1535-07	8.3	11104-28-2	PCB-1221 (Aroclor 1221)		TRG	Yes	N	U		U	Y	0.0179	0.0179	0.0179	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8082	1	25H1535-07	8.3	11141-16-5	PCB-1232 (Aroclor 1232)		TRG	Yes	N	U		U	Y	0.0179	0.0179	0.0179	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8082	1	25H1535-07	8.3	53469-21-9	PCB-1242 (Aroclor 1242)		TRG	Yes	N	U		U	Y	0.0179	0.0179	0.0179	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8082	1	25H1535-07	8.3	12672-29-6	PCB-1248 (Aroclor 1248)		TRG	Yes	N	U		U	Y	0.0179	0.0179	0.0179	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8082	1	25H1535-07	8.3	11097-69-1	PCB-1254 (Aroclor 1254)		TRG	Yes	N	U		U	Y	0.0179	0.0179	0.0179	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8082	1	25H1535-07	8.3	11096-82-5	PCB-1260 (Aroclor 1260)		TRG	Yes	N	U		U	Y	0.0179	0.0179	0.0179	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8082	1	25H1535-07	8.3	1336-36-3	Polychlorinated Biphenyl (PCBs)		TRG	Yes	N	U		U	Y	0.0179	0.0179	0.0179	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	95-94-3	1,2,4,5-Tetrachlorobenzene		TRG	Yes	N	U		U	Y	0.0441	0.0882	0.0882	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	120-82-1	1,2,4-Trichlorobenzene		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	95-50-1	1,2-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	122-66-7	1,2-Diphenylhydrazine		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	541-73-1	1,3-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	106-46-7	1,4-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	58-90-2	2,3,4,6-Tetrachlorophenol		TRG	Yes	N	U		U	Y	0.0441	0.0882	0.0882	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	95-95-4	2,4,5-Trichlorophenol		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	88-06-2	2,4,6-Trichlorophenol		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	120-83-2	2,4-Dichlorophenol		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	105-67-9	2,4-Dimethylphenol		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	51-28-5	2,4-Dinitrophenol		TRG	Yes	N	U	UJ	UJ	Y	0.0441	0.0882	0.0882	mg/kg	Level 4	LC-
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	121-14-2	2,4-Dinitrotoluene		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	606-20-2	2,6-Dinitrotoluene		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	91-58-7	2-Chloronaphthalene		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	95-57-8	2-Chlorophenol		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	91-57-6	2-Methylnaphthalene	0.153	TRG	Yes	Y				Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	95-48-7	2-Methylphenol (O-Cresol)		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	88-74-4	2-Nitroaniline		TRG	Yes	N	U		U	Y	0.0441	0.0882	0.0882	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	88-75-5	2-Nitrophenol		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	91-94-1	3,3'-Dichlorobenzidine		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	99-09-2	3-Nitroaniline		TRG	Yes	N	U		U	Y	0.0441	0.0882	0.0882	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	534-52-1	4,6-Dinitro-2-Methylphenol		TRG	Yes	N	U		U	Y	0.0441	0.0882	0.0882	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	101-55-3	4-Bromophenyl Phenyl Ether		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	59-50-7	4-Chloro-3-Methylphenol		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	106-47-8	4-Chloroaniline		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	7005-72-3	4-Chlorophenyl Phenyl Ether		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	100-01-6	4-Nitroaniline		TRG	Yes	N	U		U	Y	0.0441	0.0882	0.0882	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	100-02-7	4-Nitrophenol		TRG	Yes	N	U		U	Y	0.0441	0.0882	0.0882	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	83-32-9	Acenaphthene	0.0311	TRG	Yes	Y	J	J	J	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	RL
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	208-96-8	Acenaphthylene	0.848	TRG	Yes	Y				Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	98-86-2	Acetophenone		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	62-53-3	Aniline		TRG	Yes	N	U		U	Y	0.0884	0.177	0.177	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	120-12-7	Anthracene	0.843	TRG	Yes	Y				Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	1912-24-9	Atrazine		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	100-52-7	Benzaldehyde		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	92-87-5	Benzidine		TRG	Yes	N	U		U	Y	0.0884	0.177	0.177	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	56-55-3	Benzo(a)anthracene	1.30	TRG	Yes	Y				Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	50-32-8	Benzo(a)pyrene	1.38	TRG	Yes	Y				Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	205-99-2	Benzo(b)fluoranthene	1.10	TRG	Yes	Y		J	J	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	IN
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	191-24-2	Benzo(g,h,i)perylene	1.18	TRG	Yes	Y				Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	207-08-9	Benzo(k)fluoranthene	1.00	TRG	Yes	Y		J	J	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	IN
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	65-85-0	Benzoic Acid		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	100-51-6	Benzyl Alcohol		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	85-68-7	Benzyl Butyl Phthalate		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	92-52-4	Biphenyl (Diphenyl or 1,1'-Biphenyl)	0.0229	TRG	Yes	Y	J	J	J	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	RL
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	111-91-1	Bis(2-Chloroethoxy) Methane		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	108-60-1	Bis(2-Chloroisopropyl) Ether		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	117-81-7	Bis(2-Ethylhexyl) Phthalate		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	105-60-2	Caprolactam		TRG	Yes	N	U		U	Y	0.0441	0.0882	0.0882	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	86-74-8	Carbazole	0.0275	TRG	Yes	Y	J	J	J	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	RL
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	53-70-3	Dibenz(a,h)anthracene	0.366	TRG	Yes	Y				Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	132-64-9	Dibenzofuran	0.0222	TRG	Yes	Y	J	J	J	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	RL
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	84-66-2	Diethyl Phthalate		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	131-11-3	Dimethyl Phthalate		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	84-74-2	Di-N-Butyl Phthalate		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	117-84-0	Di-N-Octylphthalate		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	122-39-4	Diphenylamine		TRG	Yes	N	U		U	Y	0.0441	0.0882	0.0882	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	206-44-0	Fluoranthene	1.01	TRG	Yes	Y				Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	86-73-7	Fluorene	0.143	TRG	Yes	Y				Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	118-74-1	Hexachlorobenzene		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	87-68-3	Hexachlorobutadiene		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	77-47-4	Hexachlorocyclopentadiene		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	67-72-1	Hexachloroethane		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	193-39-5	Indeno(1,2,3-c,d)pyrene	0.857	TRG	Yes	Y		J+	J+	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	CV+
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	78-59-1	Isophorone		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	65794-96-9	M+P MethylPhenol		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	91-20-3	Naphthalene	0.177	TRG	Yes	Y				Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	98-95-3	Nitrobenzene		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	62-75-9	N-Nitrosodimethylamine		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	621-64-7	N-Nitrosodi-N-Propylamine		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	86-30-6	N-Nitrosodiphenylamine		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	87-86-5	Pentachlorophenol		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	85-01-8	Phenanthrene	0.520	TRG	Yes	Y				Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	1	25H1535-07	8.3	108-95-2	Phenol		TRG	Yes	N	U		U	Y	0.0221	0.0441	0.0441	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270DSII	1	25H1535-07	8.3	123-91-1	1,4-Dioxane (P-Dioxane)		TRG	Yes	N	U	UR	UR	Y	3.59	19.4	19.4	ug/kg	Level 4	TN
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)		TRG	Yes	N	U		U	Y	0.239	0.823	0.823	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	39108-34-4	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid		TRG	Yes	N	U		U	Y	0.174	0.836	0.836	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	757124-72-4	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid		TRG	Yes	N	U		U	Y	0.239	0.816	0.816	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	27619-97-2	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid		TRG	Yes	N	U		U	Y	0.196	0.827	0.827	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.794	5.44	5.44	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	812-70-4	3-Perfluoroheptyl propanoic acid (7:3FTCA)		TRG	Yes	N	U		U	Y	1.02	5.44	5.44	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	356-02-5	3-Perfluoropropyl propanoic acid (3:3 FTCA)		TRG	Yes	N	U		U	Y	0.348	1.09	1.09	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.283	0.823	0.823	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)		TRG	Yes	N	U		U	Y	0.294	0.814	0.814	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)		TRG	Yes	N	U	UR	UR	Y	0.250	0.870	0.870	ug/kg	Level 4	CV-,LC-
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOSA)		TRG	Yes	N	U		U	Y	0.0979	0.218	0.218	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		TRG	Yes	N	U		U	Y	0.544	0.544	0.544	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		TRG	Yes	N	U		U	Y	0.501	2.18	2.18	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	31506-32-8	N-methyl perfluorooctanesulfonamide (NMeFOSA)		TRG	Yes	N	U		U	Y	0.141	0.218	0.218	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		TRG	Yes	N	U	UJ	UJ	Y	0.0870	0.218	0.218	ug/kg	Level 4	LC-
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		TRG	Yes	N	U		U	Y	0.794	2.18	2.18	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		TRG	Yes	N	U		U	Y	0.0653	0.387	0.387	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		TRG	Yes	N	U		U	Y	0.0435	0.435	0.435	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		TRG	Yes	N	U		U	Y	0.131	0.435	0.435	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.0966	TRG	Yes	Y	J	J	J	Y	0.0762	0.193	0.193	ug/kg	Level 4	RL
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	375-22-4	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.174	0.870	0.870	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	335-77-3	Perfluorodecanesulfonic acid (PFDS)		TRG	Yes	N	U		U	Y	0.0653	0.210	0.210	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	335-76-2	Perfluorodecanoic acid (PFDA)		TRG	Yes	N	U		U	Y	0.0870	0.218	0.218	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		TRG	Yes	N	U		U	Y	0.163	0.211	0.211	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	307-55-1	Perfluorododecanoic acid (PFDoA)		TRG	Yes	N	U		U	Y	0.0870	0.218	0.218	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		TRG	Yes	N	U		U	Y	0.0762	0.218	0.218	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	375-85-9	Perfluoroheptanoic acid (PFHpA)		TRG	Yes	N	U		U	Y	0.120	0.218	0.218	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.510	TRG	Yes	Y				Y	0.0762	0.199	0.199	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	307-24-4	Perfluorohexanoic acid (PFHxA)	0.0968	TRG	Yes	Y	J		J	Y	0.0544	0.218	0.218	ug/kg	Level 4	RL
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	68259-12-1	Perfluorononanesulfonic Acid (PFNS)		TRG	Yes	N	U	UR	UR	Y	0.152	0.209	0.209	ug/kg	Level 4	CV-,LC-
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	375-95-1	Perfluorononanoic acid (PFNA)		TRG	Yes	N	U	UJ	UJ	Y	0.152	0.218	0.218	ug/kg	Level 4	IS
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	754-91-6	Perfluorooctane Sulfonamide (PFOSA)		TRG	Yes	N	U		U	Y	0.0326	0.218	0.218	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	3.07	TRG	Yes	Y				Y	0.0762	0.202	0.202	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	335-67-1	Perfluorooctanoic acid (PFOA)	0.108	TRG	Yes	Y	J		J	Y	0.0762	0.218	0.218	ug/kg	Level 4	RL
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)		TRG	Yes	N	U		U	Y	0.0762	0.205	0.205	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	2706-90-3	Perfluoropentanoic Acid (PFPeA)	0.121	TRG	Yes	Y	J		J	Y	0.0870	0.435	0.435	ug/kg	Level 4	RL
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	376-06-7	Perfluorotetradecanoic acid (PFTeDA)		TRG	Yes	N	U		U	Y	0.141	0.218	0.218	ug/kg	Level 4	
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	72629-94-8	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	0.133	TRG	Yes	Y	J		J	Y	0.120	0.218	0.218	ug/kg	Level 4	RL
HVAC SW EAST 1-3	E1633	1	25H1535-07RE1	8.3	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	0.176	TRG	Yes	Y	J		J	Y	0.120	0.218	0.218	ug/kg	Level 4	RL
HVAC SW EAST 1-3	Q_P_PFAS, E	1	25H1535-07RE1	8.3	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		TRG	Yes	N	U		U	Y	0.424	0.435	0.435	ug/kg	Level 4	
HVAC SW EAST 1-3	SW8270	5	25H1535-07RE1	8.3	218-01-9	Chrysene	1.24	TRG	Yes	Y	D			Y	0.111	0.221	0.221	mg/kg	Level 4	
HVAC SW EAST 1-3	SW8270	5	25H1535-07RE1	8.3	129-00-0	Pyrene	2.22	TRG	Yes	Y	D			Y	0.111	0.221	0.221	mg/kg	Level 4	
HVAC SW WEST 1-3	SM 2540G	1	25H1535-08	10.6	SOLID	Solids, Percent	89.4	TRG	Yes	Y				Y	0.100	0.100	0.100	%	Level 4	
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7429-90-5	Aluminum	16500	TRG	Yes	Y		J	J	Y	4.66	4.66	4.66	mg/kg	Level 4	PD+,SD
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7440-36-0	Antimony		TRG	Yes	N	U	UJ	UJ	Y	2.33	2.33	2.33	mg/kg	Level 4	MS-
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7440-38-2	Arsenic	2.71	TRG	Yes	Y				Y	1.40	1.40	1.40	mg/kg	Level 4	
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7440-39-3	Barium	120	TRG	Yes	Y				Y	2.33	2.33	2.33	mg/kg	Level 4	
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7440-41-7	Beryllium		TRG	Yes	N	U		U	Y	0.047	0.047	0.047	mg/kg	Level 4	
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7440-43-9	Cadmium		TRG	Yes	N	U		U	Y	0.280	0.280	0.280	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7440-70-2	Calcium	17600	TRG	Yes	Y		J	J	Y	4.66	4.66	4.66	mg/kg	Level 4	LD,PD+,SD
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7440-47-3	Chromium, Total	26.2	TRG	Yes	Y		J	J	Y	0.466	0.466	0.466	mg/kg	Level 4	SD
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7440-48-4	Cobalt	12.7	TRG	Yes	Y				Y	0.372	0.372	0.372	mg/kg	Level 4	
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7440-50-8	Copper	47.7	TRG	Yes	Y				Y	1.86	1.86	1.86	mg/kg	Level 4	
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7439-89-6	Iron	27000	TRG	Yes	Y		J	J	Y	23.3	23.3	23.3	mg/kg	Level 4	PD-,SD
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7439-92-1	Lead	8.61	TRG	Yes	Y				Y	0.466	0.466	0.466	mg/kg	Level 4	
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7439-95-4	Magnesium	9520	TRG	Yes	Y		J	J	Y	4.66	4.66	4.66	mg/kg	Level 4	LD,PD+,SD
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7439-96-5	Manganese	444	TRG	Yes	Y		J	J	Y	0.466	0.466	0.466	mg/kg	Level 4	SD
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7440-02-0	Nickel	19.5	TRG	Yes	Y				Y	0.928	0.928	0.928	mg/kg	Level 4	
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7440-09-7	Potassium	5240	TRG	Yes	Y		J	J	Y	4.66	4.66	4.66	mg/kg	Level 4	PD-,SD
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7782-49-2	Selenium		TRG	Yes	N	U		U	Y	2.33	2.33	2.33	mg/kg	Level 4	
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7440-22-4	Silver		TRG	Yes	N	U		U	Y	0.470	0.470	0.470	mg/kg	Level 4	
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7440-23-5	Sodium	626	TRG	Yes	Y		J	J	Y	46.6	46.6	46.6	mg/kg	Level 4	LD
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7440-28-0	Thallium		TRG	Yes	N	U		U	Y	1.12	1.87	1.87	mg/kg	Level 4	
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7440-62-2	Vanadium	53.0	TRG	Yes	Y				Y	0.928	0.928	0.928	mg/kg	Level 4	
HVAC SW WEST 1-3	SW6010	1	25H1535-08	10.6	7440-66-6	Zinc	64.1	TRG	Yes	Y				Y	2.32	2.32	2.32	mg/kg	Level 4	
HVAC SW WEST 1-3	SW7473	1	25H1535-08	10.6	7439-97-6	Mercury		TRG	Yes	N	U		U	Y	0.0335	0.0335	0.0335	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8081	5	25H1535-08	10.6	309-00-2	Aldrin		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8081	5	25H1535-08	10.6	959-98-8	alpha-Endosulfan		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8081	5	25H1535-08	10.6	319-84-6	alpha-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8081	5	25H1535-08	10.6	33213-65-9	beta-Endosulfan		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8081	5	25H1535-08	10.6	319-85-7	beta-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8081	5	25H1535-08	10.6	57-74-9	Chlordane		TRG	Yes	N	U		U	Y	0.0367	0.0367	0.0367	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8081	5	25H1535-08	10.6	319-86-8	delta-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8081	5	25H1535-08	10.6	60-57-1	Dieldrin		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8081	5	25H1535-08	10.6	1031-07-8	Endosulfan Sulfate		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8081	5	25H1535-08	10.6	72-20-8	Endrin		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8081	5	25H1535-08	10.6	7421-93-4	Endrin Aldehyde		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8081	5	25H1535-08	10.6	53494-70-5	Endrin Ketone		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8081	5	25H1535-08	10.6	58-89-9	gamma-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8081	5	25H1535-08	10.6	76-44-8	Heptachlor		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8081	5	25H1535-08	10.6	1024-57-3	Heptachlor Epoxide		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8081	5	25H1535-08	10.6	72-43-5	Methoxychlor		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8081	5	25H1535-08	10.6	72-54-8	P,P'-DDD		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8081	5	25H1535-08	10.6	72-55-9	P,P'-DDE		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8081	5	25H1535-08	10.6	50-29-3	P,P'-DDT		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8081	5	25H1535-08	10.6	8001-35-2	Toxaphene		TRG	Yes	N	U		U	Y	0.183	0.183	0.183	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8082	1	25H1535-08	10.6	12674-11-2	PCB-1016 (Aroclor 1016)		TRG	Yes	N	U		U	Y	0.0185	0.0185	0.0185	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8082	1	25H1535-08	10.6	11104-28-2	PCB-1221 (Aroclor 1221)		TRG	Yes	N	U		U	Y	0.0185	0.0185	0.0185	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8082	1	25H1535-08	10.6	11141-16-5	PCB-1232 (Aroclor 1232)		TRG	Yes	N	U		U	Y	0.0185	0.0185	0.0185	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8082	1	25H1535-08	10.6	53469-21-9	PCB-1242 (Aroclor 1242)		TRG	Yes	N	U		U	Y	0.0185	0.0185	0.0185	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8082	1	25H1535-08	10.6	12672-29-6	PCB-1248 (Aroclor 1248)		TRG	Yes	N	U		U	Y	0.0185	0.0185	0.0185	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8082	1	25H1535-08	10.6	11097-69-1	PCB-1254 (Aroclor 1254)		TRG	Yes	N	U		U	Y	0.0185	0.0185	0.0185	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8082	1	25H1535-08	10.6	11096-82-5	PCB-1260 (Aroclor 1260)		TRG	Yes	N	U		U	Y	0.0185	0.0185	0.0185	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8082	1	25H1535-08	10.6	1336-36-3	Polychlorinated Biphenyl (PCBs)		TRG	Yes	N	U		U	Y	0.0185	0.0185	0.0185	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	95-94-3	1,2,4,5-Tetrachlorobenzene		TRG	Yes	N	U		U	Y	0.0929	0.186	0.186	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	120-82-1	1,2,4-Trichlorobenzene		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	95-50-1	1,2-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	122-66-7	1,2-Diphenylhydrazine		TRG	Yes	N	U	UJ	UJ	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	CV-
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	541-73-1	1,3-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	106-46-7	1,4-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	58-90-2	2,3,4,6-Tetrachlorophenol		TRG	Yes	N	U		U	Y	0.0929	0.186	0.186	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	95-95-4	2,4,5-Trichlorophenol		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	88-06-2	2,4,6-Trichlorophenol		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	120-83-2	2,4-Dichlorophenol		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	105-67-9	2,4-Dimethylphenol		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	51-28-5	2,4-Dinitrophenol		TRG	Yes	N	U	UJ	UJ	Y	0.0929	0.186	0.186	mg/kg	Level 4	LC-
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	121-14-2	2,4-Dinitrotoluene		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	606-20-2	2,6-Dinitrotoluene		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	91-58-7	2-Chloronaphthalene		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	95-57-8	2-Chlorophenol		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	91-57-6	2-Methylnaphthalene	0.245	TRG	Yes	Y	D			Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	95-48-7	2-Methylphenol (O-Cresol)		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	88-74-4	2-Nitroaniline		TRG	Yes	N	U		U	Y	0.0929	0.186	0.186	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	88-75-5	2-Nitrophenol		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	91-94-1	3,3'-Dichlorobenzidine		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	99-09-2	3-Nitroaniline		TRG	Yes	N	U		U	Y	0.0929	0.186	0.186	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	534-52-1	4,6-Dinitro-2-Methylphenol		TRG	Yes	N	U		U	Y	0.0929	0.186	0.186	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	101-55-3	4-Bromophenyl Phenyl Ether		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	59-50-7	4-Chloro-3-Methylphenol		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	106-47-8	4-Chloroaniline		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	7005-72-3	4-Chlorophenyl Phenyl Ether		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	100-01-6	4-Nitroaniline		TRG	Yes	N	U		U	Y	0.0929	0.186	0.186	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	100-02-7	4-Nitrophenol		TRG	Yes	N	U		U	Y	0.0929	0.186	0.186	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	83-32-9	Acenaphthene	0.0973	TRG	Yes	Y	D			Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	208-96-8	Acenaphthylene	0.337	TRG	Yes	Y	D			Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	98-86-2	Acetophenone		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	62-53-3	Aniline		TRG	Yes	N	U		U	Y	0.186	0.372	0.372	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	120-12-7	Anthracene	0.382	TRG	Yes	Y	D			Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	1912-24-9	Atrazine		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	100-52-7	Benzaldehyde		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	92-87-5	Benzidine		TRG	Yes	N	U		U	Y	0.186	0.372	0.372	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	56-55-3	Benzo(a)anthracene	0.673	TRG	Yes	Y	D			Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	50-32-8	Benzo(a)pyrene	0.577	TRG	Yes	Y	D	J-	J-	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	CV-
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	205-99-2	Benzo(b)fluoranthene	0.339	TRG	Yes	Y	D	J		Y	0.0466	0.0929	0.0929	mg/kg	Level 4	IN
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	191-24-2	Benzo(g,h,i)perylene	0.383	TRG	Yes	Y	D	J-	J-	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	CV-
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	207-08-9	Benzo(k)fluoranthene	0.411	TRG	Yes	Y	D	J	J-	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	CV-,IN
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	65-85-0	Benzoic Acid		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	100-51-6	Benzyl Alcohol		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	85-68-7	Benzyl Butyl Phthalate		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	92-52-4	Biphenyl (Diphenyl or 1,1'-Biphenyl)		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	111-91-1	Bis(2-Chloroethoxy) Methane		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)		TRG	Yes	N	U	UJ	UJ	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	CV-
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	108-60-1	Bis(2-Chloroisopropyl) Ether		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	117-81-7	Bis(2-Ethylhexyl) Phthalate		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	105-60-2	Caprolactam		TRG	Yes	N	U		U	Y	0.0929	0.186	0.186	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	86-74-8	Carbazole		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	218-01-9	Chrysene	0.789	TRG	Yes	Y	D			Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	53-70-3	Dibenz(a,h)anthracene	0.109	TRG	Yes	Y	D	J-	J-	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	CV-
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	132-64-9	Dibenzofuran	0.0535	TRG	Yes	Y	JD	J	J	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	RL
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	84-66-2	Diethyl Phthalate		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	131-11-3	Dimethyl Phthalate		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	84-74-2	Di-N-Butyl Phthalate		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	117-84-0	Di-N-Octylphthalate		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	122-39-4	Diphenylamine		TRG	Yes	N	U		U	Y	0.0929	0.186	0.186	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	206-44-0	Fluoranthene	0.744	TRG	Yes	Y	D			Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	86-73-7	Fluorene	0.281	TRG	Yes	Y	D			Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	118-74-1	Hexachlorobenzene		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	87-68-3	Hexachlorobutadiene		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	77-47-4	Hexachlorocyclopentadiene		TRG	Yes	N	U	UJ	UJ	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	CV-
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	67-72-1	Hexachloroethane		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	193-39-5	Indeno(1,2,3-c,d)pyrene	0.238	TRG	Yes	Y	D	J-	J-	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	CV-
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	78-59-1	Isophorone		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	65794-96-9	M+P MethylPhenol		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	91-20-3	Naphthalene	0.200	TRG	Yes	Y	D			Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	98-95-3	Nitrobenzene		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	62-75-9	N-Nitrosodimethylamine		TRG	Yes	N	U	UJ	UJ	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	CV-
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	621-64-7	N-Nitrosodi-N-Propylamine		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	86-30-6	N-Nitrosodiphenylamine		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	87-86-5	Pentachlorophenol		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	85-01-8	Phenanthrene	1.15	TRG	Yes	Y	D			Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	108-95-2	Phenol		TRG	Yes	N	U		U	Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270	2	25H1535-08	10.6	129-00-0	Pyrene	2.06	TRG	Yes	Y	D			Y	0.0466	0.0929	0.0929	mg/kg	Level 4	
HVAC SW WEST 1-3	SW8270DSI	1	25H1535-08	10.6	123-91-1	1,4-Dioxane (P-Dioxane)		TRG	Yes	N	U	UR	UR	Y	3.59	19.4	19.4	ug/kg	Level 4	TN
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)		TRG	Yes	N	U		U	Y	0.246	0.844	0.844	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	39108-34-4	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid		TRG	Yes	N	U		U	Y	0.179	0.857	0.857	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	757124-72-4	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid		TRG	Yes	N	U		U	Y	0.246	0.837	0.837	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	27619-97-2	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid		TRG	Yes	N	U		U	Y	0.201	0.848	0.848	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.815	5.58	5.58	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	812-70-4	3-Perfluoroheptyl propanoic acid (7:3FTCA)		TRG	Yes	N	U		U	Y	1.05	5.58	5.58	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	356-02-5	3-Perfluoropropyl propanoic acid (3:3 FTCA)		TRG	Yes	N	U		U	Y	0.357	1.12	1.12	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.290	0.844	0.844	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)		TRG	Yes	N	U		U	Y	0.301	0.835	0.835	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)		TRG	Yes	N	U	UR	UR	Y	0.257	0.893	0.893	ug/kg	Level 4	CV-,LC-
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOSA)		TRG	Yes	N	U		U	Y	0.100	0.223	0.223	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		TRG	Yes	N	U		U	Y	0.558	0.558	0.558	ug/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		TRG	Yes	N	U		U	Y	0.513	2.23	2.23	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	31506-32-8	N-methyl perfluorooctanesulfonamide (NMeFOSA)		TRG	Yes	N	U		U	Y	0.145	0.223	0.223	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		TRG	Yes	N	U	UJ	UJ	Y	0.0893	0.223	0.223	ug/kg	Level 4	LC-
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		TRG	Yes	N	U		U	Y	0.815	2.23	2.23	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		TRG	Yes	N	U		U	Y	0.0670	0.397	0.397	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		TRG	Yes	N	U		U	Y	0.0446	0.446	0.446	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		TRG	Yes	N	U		U	Y	0.134	0.446	0.446	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	375-73-5	Perfluorobutanesulfonic acid (PFBS)		TRG	Yes	N	U		U	Y	0.0781	0.198	0.198	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	375-22-4	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.179	0.893	0.893	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	335-77-3	Perfluorodecanesulfonic acid (PFDS)		TRG	Yes	N	U		U	Y	0.0670	0.215	0.215	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	335-76-2	Perfluorodecanoic acid (PFDA)		TRG	Yes	N	U		U	Y	0.0893	0.223	0.223	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		TRG	Yes	N	U		U	Y	0.167	0.216	0.216	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	307-55-1	Perfluorododecanoic acid (PFDoA)		TRG	Yes	N	U		U	Y	0.0893	0.223	0.223	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		TRG	Yes	N	U		U	Y	0.0781	0.223	0.223	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	375-85-9	Perfluoroheptanoic acid (PFHpA)		TRG	Yes	N	U		U	Y	0.123	0.223	0.223	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	355-46-4	Perfluorohexanesulfonic acid (PFHxS)		TRG	Yes	N	U		U	Y	0.0781	0.204	0.204	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	307-24-4	Perfluorohexanoic acid (PFHxA)		TRG	Yes	N	U		U	Y	0.0558	0.223	0.223	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	68259-12-1	Perfluorononanesulfonic Acid (PFNS)		TRG	Yes	N	U	UR	UR	Y	0.156	0.214	0.214	ug/kg	Level 4	CV-,LC-
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	375-95-1	Perfluorononanoic acid (PFNA)		TRG	Yes	N	U		U	Y	0.156	0.223	0.223	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	754-91-6	Perfluorooctane Sulfonamide (PFOSA)		TRG	Yes	N	U		U	Y	0.0335	0.223	0.223	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.569	TRG	Yes	Y				Y	0.0781	0.208	0.208	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	335-67-1	Perfluorooctanoic acid (PFOA)		TRG	Yes	N	U		U	Y	0.0781	0.223	0.223	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)		TRG	Yes	N	U		U	Y	0.0781	0.210	0.210	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	2706-90-3	Perfluoropentanoic Acid (PFPeA)		TRG	Yes	N	U		U	Y	0.0893	0.446	0.446	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	376-06-7	Perfluorotetradecanoic acid (PFTeDA)		TRG	Yes	N	U		U	Y	0.145	0.223	0.223	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	72629-94-8	Perfluorotridecanoic Acid (PFTriA/PFTrDA)		TRG	Yes	N	U		U	Y	0.123	0.223	0.223	ug/kg	Level 4	
HVAC SW WEST 1-3	E1633	1	25H1535-08RE1	10.6	2058-94-8	Perfluoroundecanoic Acid (PFUnA)		TRG	Yes	N	U		U	Y	0.123	0.223	0.223	ug/kg	Level 4	
HVAC SW WEST 1-3	Q_P_PFAS, E	1	25H1535-08RE1	10.6	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		TRG	Yes	N	U		U	Y	0.435	0.446	0.446	ug/kg	Level 4	
HVAC BOTTOM 3 FT	SM 2540G	1	25H1535-09	8.5	SOLID	Solids, Percent	91.5	TRG	Yes	Y				Y	0.100	0.100	0.100	%	Level 4	
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7429-90-5	Aluminum	15800	TRG	Yes	Y		J	J	Y	4.55	4.55	4.55	mg/kg	Level 4	PD+,SD
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7440-36-0	Antimony		TRG	Yes	N	U	UJ	UJ	Y	2.28	2.28	2.28	mg/kg	Level 4	MS-
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7440-38-2	Arsenic	3.51	TRG	Yes	Y				Y	1.37	1.37	1.37	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7440-39-3	Barium	111	TRG	Yes	Y				Y	2.27	2.27	2.27	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7440-41-7	Beryllium		TRG	Yes	N	U		U	Y	0.046	0.046	0.046	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7440-43-9	Cadmium		TRG	Yes	N	U		U	Y	0.273	0.273	0.273	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7440-70-2	Calcium	14900	TRG	Yes	Y		J	J	Y	4.55	4.55	4.55	mg/kg	Level 4	LD,PD+,SD
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7440-47-3	Chromium, Total	25.5	TRG	Yes	Y		J	J	Y	0.456	0.456	0.456	mg/kg	Level 4	SD
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7440-48-4	Cobalt	11.5	TRG	Yes	Y				Y	0.364	0.364	0.364	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7440-50-8	Copper	32.6	TRG	Yes	Y				Y	1.82	1.82	1.82	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7439-89-6	Iron	24400	TRG	Yes	Y		J	J	Y	22.8	22.8	22.8	mg/kg	Level 4	PD-,SD
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7439-92-1	Lead	8.19	TRG	Yes	Y				Y	0.456	0.456	0.456	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7439-95-4	Magnesium	7140	TRG	Yes	Y		J	J	Y	4.56	4.56	4.56	mg/kg	Level 4	LD,PD+,SD
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7439-96-5	Manganese	419	TRG	Yes	Y		J	J	Y	0.456	0.456	0.456	mg/kg	Level 4	SD
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7440-02-0	Nickel	18.3	TRG	Yes	Y				Y	0.907	0.907	0.907	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7440-09-7	Potassium	4200	TRG	Yes	Y		J	J	Y	4.56	4.56	4.56	mg/kg	Level 4	PD-,SD
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7782-49-2	Selenium		TRG	Yes	N	U		U	Y	2.28	2.28	2.28	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7440-22-4	Silver		TRG	Yes	N	U		U	Y	0.459	0.459	0.459	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7440-23-5	Sodium	489	TRG	Yes	Y		J	J	Y	45.5	45.5	45.5	mg/kg	Level 4	LD
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7440-28-0	Thallium		TRG	Yes	N	U		U	Y	1.09	1.83	1.83	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7440-62-2	Vanadium	42.8	TRG	Yes	Y				Y	0.907	0.907	0.907	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW6010	1	25H1535-09	8.5	7440-66-6	Zinc	60.1	TRG	Yes	Y				Y	2.27	2.27	2.27	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW7473	1	25H1535-09	8.5	7439-97-6	Mercury		TRG	Yes	N	U		U	Y	0.0328	0.0328	0.0328	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8081	5	25H1535-09	8.5	309-00-2	Aldrin		TRG	Yes	N	U		U	Y	0.00179	0.00179	0.00179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8081	5	25H1535-09	8.5	959-98-8	alpha-Endosulfan		TRG	Yes	N	U		U	Y	0.00179	0.00179	0.00179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8081	5	25H1535-09	8.5	319-84-6	alpha-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00179	0.00179	0.00179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8081	5	25H1535-09	8.5	33213-65-9	beta-Endosulfan		TRG	Yes	N	U		U	Y	0.00179	0.00179	0.00179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8081	5	25H1535-09	8.5	319-85-7	beta-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00179	0.00179	0.00179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8081	5	25H1535-09	8.5	57-74-9	Chlordane		TRG	Yes	N	U		U	Y	0.0358	0.0358	0.0358	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8081	5	25H1535-09	8.5	319-86-8	delta-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00179	0.00179	0.00179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8081	5	25H1535-09	8.5	60-57-1	Dieldrin		TRG	Yes	N	U		U	Y	0.00179	0.00179	0.00179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8081	5	25H1535-09	8.5	1031-07-8	Endosulfan Sulfate		TRG	Yes	N	U		U	Y	0.00179	0.00179	0.00179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8081	5	25H1535-09	8.5	72-20-8	Endrin		TRG	Yes	N	U		U	Y	0.00179	0.00179	0.00179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8081	5	25H1535-09	8.5	7421-93-4	Endrin Aldehyde		TRG	Yes	N	U		U	Y	0.00179	0.00179	0.00179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8081	5	25H1535-09	8.5	53494-70-5	Endrin Ketone		TRG	Yes	N	U		U	Y	0.00179	0.00179	0.00179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8081	5	25H1535-09	8.5	58-89-9	gamma-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00179	0.00179	0.00179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8081	5	25H1535-09	8.5	76-44-8	Heptachlor		TRG	Yes	N	U		U	Y	0.00179	0.00179	0.00179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8081	5	25H1535-09	8.5	1024-57-3	Heptachlor Epoxide		TRG	Yes	N	U		U	Y	0.00179	0.00179	0.00179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8081	5	25H1535-09	8.5	72-43-5	Methoxychlor		TRG	Yes	N	U		U	Y	0.00179	0.00179	0.00179	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC BOTTOM 3 FT	SW8081	5	25H1535-09	8.5	72-54-8	P,P'-DDD		TRG	Yes	N	U		U	Y	0.00179	0.00179	0.00179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8081	5	25H1535-09	8.5	72-55-9	P,P'-DDE		TRG	Yes	N	U		U	Y	0.00179	0.00179	0.00179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8081	5	25H1535-09	8.5	50-29-3	P,P'-DDT		TRG	Yes	N	U		U	Y	0.00179	0.00179	0.00179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8081	5	25H1535-09	8.5	8001-35-2	Toxaphene		TRG	Yes	N	U		U	Y	0.179	0.179	0.179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8082	1	25H1535-09	8.5	12674-11-2	PCB-1016 (Aroclor 1016)		TRG	Yes	N	U		U	Y	0.0181	0.0181	0.0181	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8082	1	25H1535-09	8.5	11104-28-2	PCB-1221 (Aroclor 1221)		TRG	Yes	N	U		U	Y	0.0181	0.0181	0.0181	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8082	1	25H1535-09	8.5	11141-16-5	PCB-1232 (Aroclor 1232)		TRG	Yes	N	U		U	Y	0.0181	0.0181	0.0181	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8082	1	25H1535-09	8.5	53469-21-9	PCB-1242 (Aroclor 1242)		TRG	Yes	N	U		U	Y	0.0181	0.0181	0.0181	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8082	1	25H1535-09	8.5	12672-29-6	PCB-1248 (Aroclor 1248)		TRG	Yes	N	U		U	Y	0.0181	0.0181	0.0181	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8082	1	25H1535-09	8.5	11097-69-1	PCB-1254 (Aroclor 1254)		TRG	Yes	N	U		U	Y	0.0181	0.0181	0.0181	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8082	1	25H1535-09	8.5	11096-82-5	PCB-1260 (Aroclor 1260)		TRG	Yes	N	U		U	Y	0.0181	0.0181	0.0181	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8082	1	25H1535-09	8.5	1336-36-3	Polychlorinated Biphenyl (PCBs)		TRG	Yes	N	U		U	Y	0.0181	0.0181	0.0181	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	630-20-6	1,1,1,2-Tetrachloroethane		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	71-55-6	1,1,1-Trichloroethane (TCA)		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	79-34-5	1,1,2,2-Tetrachloroethane		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	79-00-5	1,1,2-Trichloroethane		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	75-34-3	1,1-Dichloroethane		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	75-35-4	1,1-Dichloroethene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	87-61-6	1,2,3-Trichlorobenzene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	96-18-4	1,2,3-Trichloropropane		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	120-82-1	1,2,4-Trichlorobenzene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	95-63-6	1,2,4-Trimethylbenzene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	96-12-8	1,2-Dibromo-3-Chloropropane		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	95-50-1	1,2-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	107-06-2	1,2-Dichloroethane		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	78-87-5	1,2-Dichloropropane		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	108-67-8	1,3,5-Trimethylbenzene (Mesitylene)		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	541-73-1	1,3-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	106-46-7	1,4-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	591-78-6	2-Hexanone		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	67-64-1	Acetone	0.018	TRG	Yes	Y		J+	J+	Y	0.0049	0.0098	0.0098	mg/kg	Level 4	BT+,CV+,LC+,SS+
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	107-02-8	Acrolein		TRG	Yes	N	U		U	Y	0.0049	0.0098	0.0098	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	107-13-1	Acrylonitrile		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	71-43-2	Benzene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	74-97-5	Bromochloromethane		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	75-27-4	Bromodichloromethane		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	75-25-2	Bromoform		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	74-83-9	Bromomethane		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	75-15-0	Carbon Disulfide		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	56-23-5	Carbon Tetrachloride		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	108-90-7	Chlorobenzene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	75-00-3	Chloroethane		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	67-66-3	Chloroform		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	74-87-3	Chloromethane (Methyl Chloride)		TRG	Yes	N	U	UJ	UJ	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	CV-
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	156-59-2	cis-1,2-Dichlorethene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	10061-01-5	cis-1,3-Dichloropropene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	110-82-7	Cyclohexane		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	124-48-1	Dibromochloromethane		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	74-95-3	Dibromomethane		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	75-71-8	Dichlorodifluoromethane		TRG	Yes	N	U	UJ	UJ	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	SS-
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	100-41-4	Ethylbenzene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	87-68-3	Hexachlorobutadiene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	98-82-8	Isopropylbenzene (Cumene)		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	179601-23-1	m,p-Xylene		TRG	Yes	N	U		U	Y	0.0049	0.0098	0.0098	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	79-20-9	Methyl Acetate		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	78-93-3	Methyl Ethyl Ketone (2-Butanone)		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	108-87-2	Methylcyclohexane		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	75-09-2	Methylene Chloride		TRG	Yes	N	U		U	Y	0.0049	0.0098	0.0098	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	104-51-8	N-Butylbenzene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	103-65-1	N-Propylbenzene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	95-47-6	o-Xylene (1,2-Dimethylbenzene)		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	99-87-6	p-Cymene (p-Isopropyltoluene)		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	135-98-8	sec-Butylbenzene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	100-42-5	Styrene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	75-65-0	tert-Butyl Alcohol		TRG	Yes	N	U		U	Y	0.012	0.025	0.025	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	1634-04-4	tert-Butyl Methyl Ether		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	98-06-6	tert-Butylbenzene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	127-18-4	Tetrachloroethene (PCE)		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	108-88-3	Toluene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	156-60-5	trans-1,2-Dichloroethene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	10061-02-6	trans-1,3-Dichloropropene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	110-57-6	Trans-1,4-Dichloro-2-Butene		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	79-01-6	Trichloroethene (TCE)		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	75-69-4	Trichlorofluoromethane		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	75-01-4	Vinyl Chloride		TRG	Yes	N	U		U	Y	0.0025	0.0049	0.0049	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8260	1	25H1535-09	8.5	1330-20-7	Xylenes		TRG	Yes	N	U		U	Y	0.0074	0.015	0.015	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	95-94-3	1,2,4,5-Tetrachlorobenzene		TRG	Yes	N	U		U	Y	0.0897	0.179	0.179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	120-82-1	1,2,4-Trichlorobenzene		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	95-50-1	1,2-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	122-66-7	1,2-Diphenylhydrazine		TRG	Yes	N	U	UJ	UJ	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	CV-
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	541-73-1	1,3-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	106-46-7	1,4-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	58-90-2	2,3,4,6-Tetrachlorophenol		TRG	Yes	N	U		U	Y	0.0897	0.179	0.179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	95-95-4	2,4,5-Trichlorophenol		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	88-06-2	2,4,6-Trichlorophenol		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	120-83-2	2,4-Dichlorophenol		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	105-67-9	2,4-Dimethylphenol		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	51-28-5	2,4-Dinitrophenol		TRG	Yes	N	U	UJ	UJ	Y	0.0897	0.179	0.179	mg/kg	Level 4	LC-,MS-
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	121-14-2	2,4-Dinitrotoluene		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	606-20-2	2,6-Dinitrotoluene		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	91-58-7	2-Chloronaphthalene		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	95-57-8	2-Chlorophenol		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	91-57-6	2-Methylnaphthalene	0.0688	TRG	Yes	Y	JD	J	J	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	RL
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	95-48-7	2-Methylphenol (O-Cresol)		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	88-74-4	2-Nitroaniline		TRG	Yes	N	U		U	Y	0.0897	0.179	0.179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	88-75-5	2-Nitrophenol		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	91-94-1	3,3'-Dichlorobenzidine		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	99-09-2	3-Nitroaniline		TRG	Yes	N	U		U	Y	0.0897	0.179	0.179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	534-52-1	4,6-Dinitro-2-Methylphenol		TRG	Yes	N	U		U	Y	0.0897	0.179	0.179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	101-55-3	4-Bromophenyl Phenyl Ether		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	59-50-7	4-Chloro-3-Methylphenol		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	106-47-8	4-Chloroaniline		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	7005-72-3	4-Chlorophenyl Phenyl Ether		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	100-01-6	4-Nitroaniline		TRG	Yes	N	U		U	Y	0.0897	0.179	0.179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	100-02-7	4-Nitrophenol		TRG	Yes	N	U		U	Y	0.0897	0.179	0.179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	83-32-9	Acenaphthene		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	208-96-8	Acenaphthylene	0.303	TRG	Yes	Y	D			Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	98-86-2	Acetophenone		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	62-53-3	Aniline		TRG	Yes	N	U		U	Y	0.180	0.359	0.359	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	120-12-7	Anthracene	0.273	TRG	Yes	Y	D			Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	1912-24-9	Atrazine		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	100-52-7	Benzaldehyde		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	92-87-5	Benzidine		TRG	Yes	N	U		U	Y	0.180	0.359	0.359	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	56-55-3	Benzo(a)anthracene	0.495	TRG	Yes	Y	D			Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	50-32-8	Benzo(a)pyrene	0.477	TRG	Yes	Y	D	J	J	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	CV-,MSP
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	205-99-2	Benzo(b)fluoranthene	0.285	TRG	Yes	Y	D	J		Y	0.0449	0.0897	0.0897	mg/kg	Level 4	IN
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	191-24-2	Benzo(g,h,i)perylene	0.328	TRG	Yes	Y	D	J	J	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	CV-,MSP
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	207-08-9	Benzo(k)fluoranthene	0.311	TRG	Yes	Y	D	J	J-	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	CV-,IN
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	65-85-0	Benzoic Acid		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	100-51-6	Benzyl Alcohol		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	85-68-7	Benzyl Butyl Phthalate		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	92-52-4	Biphenyl (Diphenyl or 1,1'-Biphenyl)		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	111-91-1	Bis(2-Chloroethoxy) Methane		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)		TRG	Yes	N	U	UJ	UJ	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	CV-
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	108-60-1	Bis(2-Chloroisopropyl) Ether		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	117-81-7	Bis(2-Ethylhexyl) Phthalate		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	105-60-2	Caprolactam		TRG	Yes	N	U		U	Y	0.0897	0.179	0.179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	86-74-8	Carbazole		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	218-01-9	Chrysene	0.559	TRG	Yes	Y	D			Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	53-70-3	Dibenz(a,h)anthracene	0.0975	TRG	Yes	Y	D	J-	J-	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	CV-
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	132-64-9	Dibenzofuran		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	84-66-2	Diethyl Phthalate		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	131-11-3	Dimethyl Phthalate		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	84-74-2	Di-N-Butyl Phthalate		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	117-84-0	Di-N-Octylphthalate		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	122-39-4	Diphenylamine		TRG	Yes	N	U		U	Y	0.0897	0.179	0.179	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	206-44-0	Fluoranthene	0.436	TRG	Yes	Y	D			Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	86-73-7	Fluorene	0.0767	TRG	Yes	Y	JD	J	J	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	RL
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	118-74-1	Hexachlorobenzene		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	87-68-3	Hexachlorobutadiene		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	77-47-4	Hexachlorocyclopentadiene		TRG	Yes	N	U	UJ	UJ	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	CV-
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	67-72-1	Hexachloroethane		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	193-39-5	Indeno(1,2,3-c,d)pyrene	0.194	TRG	Yes	Y	D	J-	J-	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	CV-
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	78-59-1	Isophorone		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	65794-96-9	M+P MethylPhenol		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	91-20-3	Naphthalene	0.0595	TRG	Yes	Y	JD	J	J	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	RL
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	98-95-3	Nitrobenzene		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	62-75-9	N-Nitrosodimethylamine		TRG	Yes	N	U	UJ	UJ	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	CV-
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	621-64-7	N-Nitrosodi-N-Propylamine		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	86-30-6	N-Nitrosodiphenylamine		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	87-86-5	Pentachlorophenol		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	85-01-8	Phenanthrene	0.403	TRG	Yes	Y	D			Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	108-95-2	Phenol		TRG	Yes	N	U		U	Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270	2	25H1535-09	8.5	129-00-0	Pyrene	1.30	TRG	Yes	Y	D			Y	0.0449	0.0897	0.0897	mg/kg	Level 4	
HVAC BOTTOM 3 FT	SW8270DSIM	1	25H1535-09	8.5	123-91-1	1,4-Dioxane (P-Dioxane)		TRG	Yes	N	U	UR	UR	Y	3.59	19.4	19.4	ug/kg	Level 4	TN
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)		TRG	Yes	N	U		U	Y	0.239	0.823	0.823	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	39108-34-4	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid		TRG	Yes	N	U		U	Y	0.174	0.836	0.836	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	757124-72-4	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid		TRG	Yes	N	U		U	Y	0.239	0.816	0.816	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	27619-97-2	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid		TRG	Yes	N	U		U	Y	0.196	0.827	0.827	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.795	5.44	5.44	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	812-70-4	3-Perfluoroheptyl propanoic acid (7:3FTCA)		TRG	Yes	N	U		U	Y	1.02	5.44	5.44	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	356-02-5	3-Perfluoropropyl propanoic acid (3:3 FTCA)		TRG	Yes	N	U		U	Y	0.348	1.09	1.09	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.283	0.823	0.823	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)		TRG	Yes	N	U		U	Y	0.294	0.814	0.814	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)		TRG	Yes	N	U	UR	UR	Y	0.250	0.871	0.871	ug/kg	Level 4	CV-,LC-,MS-
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOSA)		TRG	Yes	N	U		U	Y	0.0980	0.218	0.218	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		TRG	Yes	N	U		U	Y	0.544	0.544	0.544	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		TRG	Yes	N	U		U	Y	0.501	2.18	2.18	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	31506-32-8	N-methyl perfluorooctanesulfonamide (NMeFOSA)		TRG	Yes	N	U		U	Y	0.142	0.218	0.218	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		TRG	Yes	N	U	UJ	UJ	Y	0.0871	0.218	0.218	ug/kg	Level 4	LC-
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		TRG	Yes	N	U		U	Y	0.795	2.18	2.18	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		TRG	Yes	N	U		U	Y	0.0653	0.388	0.388	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		TRG	Yes	N	U		U	Y	0.0435	0.435	0.435	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		TRG	Yes	N	U		U	Y	0.131	0.435	0.435	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	375-73-5	Perfluorobutanesulfonic acid (PFBS)		TRG	Yes	N	U		U	Y	0.0762	0.193	0.193	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	375-22-4	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.174	0.871	0.871	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	335-77-3	Perfluorodecanesulfonic acid (PFDS)		TRG	Yes	N	U		U	Y	0.0653	0.210	0.210	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	335-76-2	Perfluorodecanoic acid (PFDA)		TRG	Yes	N	U		U	Y	0.0871	0.218	0.218	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		TRG	Yes	N	U		U	Y	0.163	0.211	0.211	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	307-55-1	Perfluorododecanoic acid (PFDoA)		TRG	Yes	N	U		U	Y	0.0871	0.218	0.218	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		TRG	Yes	N	U		U	Y	0.0762	0.218	0.218	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	375-85-9	Perfluoroheptanoic acid (PFHpA)		TRG	Yes	N	U		U	Y	0.120	0.218	0.218	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.116	TRG	Yes	Y	J	J	J	Y	0.0762	0.199	0.199	ug/kg	Level 4	RL
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	307-24-4	Perfluorohexanoic acid (PFHxA)		TRG	Yes	N	U		U	Y	0.0544	0.218	0.218	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	68259-12-1	Perfluorononanesulfonic Acid (PFNS)		TRG	Yes	N	U	UR	UR	Y	0.152	0.209	0.209	ug/kg	Level 4	CV-,LC-
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	375-95-1	Perfluorononanoic acid (PFNA)		TRG	Yes	N	U	UJ	UJ	Y	0.152	0.218	0.218	ug/kg	Level 4	IS
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	754-91-6	Perfluorooctane Sulfonamide (PFOSA)		TRG	Yes	N	U		U	Y	0.0327	0.218	0.218	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.47	TRG	Yes	Y				Y	0.0762	0.202	0.202	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	335-67-1	Perfluorooctanoic acid (PFOA)		TRG	Yes	N	U		U	Y	0.0762	0.218	0.218	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)		TRG	Yes	N	U		U	Y	0.0762	0.205	0.205	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	2706-90-3	Perfluoropentanoic Acid (PFPeA)		TRG	Yes	N	U		U	Y	0.0871	0.435	0.435	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	376-06-7	Perfluorotetradecanoic acid (PFTeDA)		TRG	Yes	N	U		U	Y	0.142	0.218	0.218	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	72629-94-8	Perfluorotridecanoic Acid (PFTriA/PFTrDA)		TRG	Yes	N	U		U	Y	0.120	0.218	0.218	ug/kg	Level 4	
HVAC BOTTOM 3 FT	E1633	1	25H1535-09RE1	8.5	2058-94-8	Perfluoroundecanoic Acid (PFUnA)		TRG	Yes	N	U	UJ	UJ	Y	0.120	0.218	0.218	ug/kg	Level 4	MS-
HVAC BOTTOM 3 FT	Q_P_PFAS, E	1	25H1535-09RE1	8.5	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		TRG	Yes	N	U		U	Y	0.425	0.435	0.435	ug/kg	Level 4	
HVAC DUP	SM 2540G	1	25H1535-10	11.1	SOLID	Solids, Percent	88.9	TRG	Yes	Y				Y	0.100	0.100	0.100	%	Level 4	
HVAC DUP	SW6010	1	25H1535-10	11.1	7429-90-5	Aluminum	14800	TRG	Yes	Y		J	J	Y	4.69	4.69	4.69	mg/kg	Level 4	PD+,SD
HVAC DUP	SW6010	1	25H1535-10	11.1	7440-36-0	Antimony		TRG	Yes	N	U	UJ	UJ	Y	2.34	2.34	2.34	mg/kg	Level 4	MS-
HVAC DUP	SW6010	1	25H1535-10	11.1	7440-38-2	Arsenic	3.30	TRG	Yes	Y				Y	1.41	1.41	1.41	mg/kg	Level 4	
HVAC DUP	SW6010	1	25H1535-10	11.1	7440-39-3	Barium	107	TRG	Yes	Y				Y	2.34	2.34	2.34	mg/kg	Level 4	
HVAC DUP	SW6010	1	25H1535-10	11.1	7440-41-7	Beryllium		TRG	Yes	N	U		U	Y	0.047	0.047	0.047	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC DUP	SW6010	1	25H1535-10	11.1	7440-43-9	Cadmium		TRG	Yes	N	U		U	Y	0.281	0.281	0.281	mg/kg	Level 4	
HVAC DUP	SW6010	1	25H1535-10	11.1	7440-70-2	Calcium	10900	TRG	Yes	Y		J	J	Y	4.69	4.69	4.69	mg/kg	Level 4	LD,PD+,SD
HVAC DUP	SW6010	1	25H1535-10	11.1	7440-47-3	Chromium, Total	25.4	TRG	Yes	Y		J	J	Y	0.469	0.469	0.469	mg/kg	Level 4	SD
HVAC DUP	SW6010	1	25H1535-10	11.1	7440-48-4	Cobalt	11.5	TRG	Yes	Y				Y	0.375	0.375	0.375	mg/kg	Level 4	
HVAC DUP	SW6010	1	25H1535-10	11.1	7440-50-8	Copper	43.0	TRG	Yes	Y				Y	1.88	1.88	1.88	mg/kg	Level 4	
HVAC DUP	SW6010	1	25H1535-10	11.1	7439-89-6	Iron	23600	TRG	Yes	Y		J	J	Y	23.4	23.4	23.4	mg/kg	Level 4	PD-,SD
HVAC DUP	SW6010	1	25H1535-10	11.1	7439-92-1	Lead	9.87	TRG	Yes	Y				Y	0.469	0.469	0.469	mg/kg	Level 4	
HVAC DUP	SW6010	1	25H1535-10	11.1	7439-95-4	Magnesium	6600	TRG	Yes	Y		J	J	Y	4.69	4.69	4.69	mg/kg	Level 4	LD,PD+,SD
HVAC DUP	SW6010	1	25H1535-10	11.1	7439-96-5	Manganese	446	TRG	Yes	Y		J	J	Y	0.469	0.469	0.469	mg/kg	Level 4	SD
HVAC DUP	SW6010	1	25H1535-10	11.1	7440-02-0	Nickel	18.0	TRG	Yes	Y				Y	0.934	0.934	0.934	mg/kg	Level 4	
HVAC DUP	SW6010	1	25H1535-10	11.1	7440-09-7	Potassium	3770	TRG	Yes	Y		J	J	Y	4.69	4.69	4.69	mg/kg	Level 4	PD-,SD
HVAC DUP	SW6010	1	25H1535-10	11.1	7782-49-2	Selenium		TRG	Yes	N	U		U	Y	2.34	2.34	2.34	mg/kg	Level 4	
HVAC DUP	SW6010	1	25H1535-10	11.1	7440-22-4	Silver		TRG	Yes	N	U		U	Y	0.473	0.473	0.473	mg/kg	Level 4	
HVAC DUP	SW6010	1	25H1535-10	11.1	7440-23-5	Sodium	347	TRG	Yes	Y		J	J	Y	46.9	46.9	46.9	mg/kg	Level 4	LD
HVAC DUP	SW6010	1	25H1535-10	11.1	7440-28-0	Thallium		TRG	Yes	N	U		U	Y	1.13	1.88	1.88	mg/kg	Level 4	
HVAC DUP	SW6010	1	25H1535-10	11.1	7440-62-2	Vanadium	44.5	TRG	Yes	Y				Y	0.934	0.934	0.934	mg/kg	Level 4	
HVAC DUP	SW6010	1	25H1535-10	11.1	7440-66-6	Zinc	55.5	TRG	Yes	Y				Y	2.33	2.33	2.33	mg/kg	Level 4	
HVAC DUP	SW7473	1	25H1535-10	11.1	7439-97-6	Mercury		TRG	Yes	N	U		U	Y	0.0338	0.0338	0.0338	mg/kg	Level 4	
HVAC DUP	SW8081	5	25H1535-10	11.1	309-00-2	Aldrin		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC DUP	SW8081	5	25H1535-10	11.1	959-98-8	alpha-Endosulfan		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC DUP	SW8081	5	25H1535-10	11.1	319-84-6	alpha-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC DUP	SW8081	5	25H1535-10	11.1	33213-65-9	beta-Endosulfan		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC DUP	SW8081	5	25H1535-10	11.1	319-85-7	beta-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC DUP	SW8081	5	25H1535-10	11.1	57-74-9	Chlordane		TRG	Yes	N	U		U	Y	0.0365	0.0365	0.0365	mg/kg	Level 4	
HVAC DUP	SW8081	5	25H1535-10	11.1	319-86-8	delta-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC DUP	SW8081	5	25H1535-10	11.1	60-57-1	Dieldrin		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC DUP	SW8081	5	25H1535-10	11.1	1031-07-8	Endosulfan Sulfate		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC DUP	SW8081	5	25H1535-10	11.1	72-20-8	Endrin		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC DUP	SW8081	5	25H1535-10	11.1	7421-93-4	Endrin Aldehyde		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC DUP	SW8081	5	25H1535-10	11.1	53494-70-5	Endrin Ketone		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC DUP	SW8081	5	25H1535-10	11.1	58-89-9	gamma-HCH (1,2,3,4,5,6-Hexachlorocyclohexane)		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC DUP	SW8081	5	25H1535-10	11.1	76-44-8	Heptachlor		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC DUP	SW8081	5	25H1535-10	11.1	1024-57-3	Heptachlor Epoxide		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC DUP	SW8081	5	25H1535-10	11.1	72-43-5	Methoxychlor		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC DUP	SW8081	5	25H1535-10	11.1	72-54-8	P,P'-DDD		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC DUP	SW8081	5	25H1535-10	11.1	72-55-9	P,P'-DDE		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC DUP	SW8081	5	25H1535-10	11.1	50-29-3	P,P'-DDT		TRG	Yes	N	U		U	Y	0.00183	0.00183	0.00183	mg/kg	Level 4	
HVAC DUP	SW8081	5	25H1535-10	11.1	8001-35-2	Toxaphene		TRG	Yes	N	U		U	Y	0.183	0.183	0.183	mg/kg	Level 4	
HVAC DUP	SW8082	1	25H1535-10	11.1	12674-11-2	PCB-1016 (Aroclor 1016)		TRG	Yes	N	U		U	Y	0.0184	0.0184	0.0184	mg/kg	Level 4	
HVAC DUP	SW8082	1	25H1535-10	11.1	11104-28-2	PCB-1221 (Aroclor 1221)		TRG	Yes	N	U		U	Y	0.0184	0.0184	0.0184	mg/kg	Level 4	
HVAC DUP	SW8082	1	25H1535-10	11.1	11141-16-5	PCB-1232 (Aroclor 1232)		TRG	Yes	N	U		U	Y	0.0184	0.0184	0.0184	mg/kg	Level 4	
HVAC DUP	SW8082	1	25H1535-10	11.1	53469-21-9	PCB-1242 (Aroclor 1242)		TRG	Yes	N	U		U	Y	0.0184	0.0184	0.0184	mg/kg	Level 4	
HVAC DUP	SW8082	1	25H1535-10	11.1	12672-29-6	PCB-1248 (Aroclor 1248)		TRG	Yes	N	U		U	Y	0.0184	0.0184	0.0184	mg/kg	Level 4	
HVAC DUP	SW8082	1	25H1535-10	11.1	11097-69-1	PCB-1254 (Aroclor 1254)		TRG	Yes	N	U		U	Y	0.0184	0.0184	0.0184	mg/kg	Level 4	
HVAC DUP	SW8082	1	25H1535-10	11.1	11096-82-5	PCB-1260 (Aroclor 1260)		TRG	Yes	N	U		U	Y	0.0184	0.0184	0.0184	mg/kg	Level 4	
HVAC DUP	SW8082	1	25H1535-10	11.1	1336-36-3	Polychlorinated Biphenyl (PCBs)		TRG	Yes	N	U		U	Y	0.0184	0.0184	0.0184	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	630-20-6	1,1,1,2-Tetrachloroethane		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	71-55-6	1,1,1-Trichloroethane (TCA)		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	79-34-5	1,1,2,2-Tetrachloroethane		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	79-00-5	1,1,2-Trichloroethane		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	75-34-3	1,1-Dichloroethane		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	75-35-4	1,1-Dichloroethene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	87-61-6	1,2,3-Trichlorobenzene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	96-18-4	1,2,3-Trichloropropane		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	120-82-1	1,2,4-Trichlorobenzene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	95-63-6	1,2,4-Trimethylbenzene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	96-12-8	1,2-Dibromo-3-Chloropropane		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	95-50-1	1,2-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	107-06-2	1,2-Dichloroethane		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	78-87-5	1,2-Dichloropropane		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	108-67-8	1,3,5-Trimethylbenzene (Mesitylene)		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	541-73-1	1,3-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	106-46-7	1,4-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	591-78-6	2-Hexanone		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	67-64-1	Acetone	0.031	TRG	Yes	Y		J+	J+	Y	0.0058	0.012	0.012	mg/kg	Level 4	BT+,CV+,LC+,SS+
HVAC DUP	SW8260	1	25H1535-10	11.1	107-02-8	Acrolein		TRG	Yes	N	U		U	Y	0.0058	0.012	0.012	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC DUP	SW8260	1	25H1535-10	11.1	107-13-1	Acrylonitrile		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	71-43-2	Benzene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	74-97-5	Bromochloromethane		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	75-27-4	Bromodichloromethane		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	75-25-2	Bromoform		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	74-83-9	Bromomethane		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	75-15-0	Carbon Disulfide		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	56-23-5	Carbon Tetrachloride		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	108-90-7	Chlorobenzene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	75-00-3	Chloroethane		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	67-66-3	Chloroform		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	74-87-3	Chloromethane (Methyl Chloride)		TRG	Yes	N	U	UJ	UJ	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	CV-
HVAC DUP	SW8260	1	25H1535-10	11.1	156-59-2	cis-1,2-Dichlorethene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	10061-01-5	cis-1,3-Dichloropropene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	110-82-7	Cyclohexane		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	124-48-1	Dibromochloromethane		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	74-95-3	Dibromomethane		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	75-71-8	Dichlorodifluoromethane		TRG	Yes	N	U	UJ	UJ	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	SS-
HVAC DUP	SW8260	1	25H1535-10	11.1	100-41-4	Ethylbenzene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	87-68-3	Hexachlorobutadiene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	98-82-8	Isopropylbenzene (Cumene)		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	179601-23-1	m,p-Xylene		TRG	Yes	N	U		U	Y	0.0058	0.012	0.012	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	79-20-9	Methyl Acetate		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	78-93-3	Methyl Ethyl Ketone (2-Butanone)		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	108-87-2	Methylcyclohexane		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	75-09-2	Methylene Chloride		TRG	Yes	N	U		U	Y	0.0058	0.012	0.012	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	104-51-8	N-Butylbenzene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	103-65-1	N-Propylbenzene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	95-47-6	o-Xylene (1,2-Dimethylbenzene)		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	99-87-6	p-Cymene (p-Isopropyltoluene)		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	135-98-8	sec-Butylbenzene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	100-42-5	Styrene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	75-65-0	tert-Butyl Alcohol		TRG	Yes	N	U		U	Y	0.014	0.029	0.029	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	1634-04-4	tert-Butyl Methyl Ether		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	98-06-6	tert-Butylbenzene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	127-18-4	Tetrachloroethene (PCE)		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	108-88-3	Toluene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	156-60-5	trans-1,2-Dichloroethene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	10061-02-6	trans-1,3-Dichloropropene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	110-57-6	Trans-1,4-Dichloro-2-Butene		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	79-01-6	Trichloroethene (TCE)		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	75-69-4	Trichlorofluoromethane		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	75-01-4	Vinyl Chloride		TRG	Yes	N	U		U	Y	0.0029	0.0058	0.0058	mg/kg	Level 4	
HVAC DUP	SW8260	1	25H1535-10	11.1	1330-20-7	Xylenes		TRG	Yes	N	U		U	Y	0.0087	0.017	0.017	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	95-94-3	1,2,4,5-Tetrachlorobenzene		TRG	Yes	N	U		U	Y	0.0926	0.185	0.185	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	120-82-1	1,2,4-Trichlorobenzene		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	95-50-1	1,2-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	122-66-7	1,2-Diphenylhydrazine		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	541-73-1	1,3-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	106-46-7	1,4-Dichlorobenzene		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	58-90-2	2,3,4,6-Tetrachlorophenol		TRG	Yes	N	U		U	Y	0.0926	0.185	0.185	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	95-95-4	2,4,5-Trichlorophenol		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	88-06-2	2,4,6-Trichlorophenol		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	120-83-2	2,4-Dichlorophenol		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	105-67-9	2,4-Dimethylphenol		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	51-28-5	2,4-Dinitrophenol		TRG	Yes	N	U	UJ	UJ	Y	0.0926	0.185	0.185	mg/kg	Level 4	MS-
HVAC DUP	SW8270	2	25H1535-10	11.1	121-14-2	2,4-Dinitrotoluene		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	606-20-2	2,6-Dinitrotoluene		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	91-58-7	2-Chloronaphthalene		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	95-57-8	2-Chlorophenol		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	91-57-6	2-Methylnaphthalene	0.178	TRG	Yes	Y	D			Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	95-48-7	2-Methylphenol (O-Cresol)		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	88-74-4	2-Nitroaniline		TRG	Yes	N	U		U	Y	0.0926	0.185	0.185	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	88-75-5	2-Nitrophenol		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	91-94-1	3,3'-Dichlorobenzidine		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	99-09-2	3-Nitroaniline		TRG	Yes	N	U		U	Y	0.0926	0.185	0.185	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	534-52-1	4,6-Dinitro-2-Methylphenol		TRG	Yes	N	U		U	Y	0.0926	0.185	0.185	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC DUP	SW8270	2	25H1535-10	11.1	101-55-3	4-Bromophenyl Phenyl Ether		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	59-50-7	4-Chloro-3-Methylphenol		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	106-47-8	4-Chloroaniline		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	7005-72-3	4-Chlorophenyl Phenyl Ether		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	100-01-6	4-Nitroaniline		TRG	Yes	N	U		U	Y	0.0926	0.185	0.185	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	100-02-7	4-Nitrophenol		TRG	Yes	N	U		U	Y	0.0926	0.185	0.185	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	83-32-9	Acenaphthene		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	208-96-8	Acenaphthylene	0.160	TRG	Yes	Y	D			Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	98-86-2	Acetophenone		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	62-53-3	Aniline		TRG	Yes	N	U		U	Y	0.185	0.371	0.371	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	120-12-7	Anthracene	0.155	TRG	Yes	Y	D			Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	1912-24-9	Atrazine		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	100-52-7	Benzaldehyde		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	92-87-5	Benzidine		TRG	Yes	N	U		U	Y	0.185	0.371	0.371	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	56-55-3	Benzo(a)anthracene	0.465	TRG	Yes	Y	D			Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	50-32-8	Benzo(a)pyrene	0.473	TRG	Yes	Y	D	J	J	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	MSP
HVAC DUP	SW8270	2	25H1535-10	11.1	205-99-2	Benzo(b)fluoranthene	0.319	TRG	Yes	Y	D	J		Y	0.0464	0.0926	0.0926	mg/kg	Level 4	IN
HVAC DUP	SW8270	2	25H1535-10	11.1	191-24-2	Benzo(g,h,i)perylene	0.353	TRG	Yes	Y	D	J	J	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	MSP
HVAC DUP	SW8270	2	25H1535-10	11.1	207-08-9	Benzo(k)fluoranthene	0.309	TRG	Yes	Y	D	J		Y	0.0464	0.0926	0.0926	mg/kg	Level 4	IN
HVAC DUP	SW8270	2	25H1535-10	11.1	65-85-0	Benzoic Acid		TRG	Yes	N	U	UJ	UJ	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	LC-
HVAC DUP	SW8270	2	25H1535-10	11.1	100-51-6	Benzyl Alcohol		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	85-68-7	Benzyl Butyl Phthalate		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	92-52-4	Biphenyl (Diphenyl or 1,1'-Biphenyl)		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	111-91-1	Bis(2-Chloroethoxy) Methane		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	108-60-1	Bis(2-Chloroisopropyl) Ether		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	117-81-7	Bis(2-Ethylhexyl) Phthalate		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	105-60-2	Caprolactam		TRG	Yes	N	U		U	Y	0.0926	0.185	0.185	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	86-74-8	Carbazole		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	218-01-9	Chrysene	0.525	TRG	Yes	Y	D			Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	53-70-3	Dibenz(a,h)anthracene	0.0807	TRG	Yes	Y	JD	J	J	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	RL
HVAC DUP	SW8270	2	25H1535-10	11.1	132-64-9	Dibenzofuran		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	84-66-2	Diethyl Phthalate		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	131-11-3	Dimethyl Phthalate		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	84-74-2	Di-N-Butyl Phthalate		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	117-84-0	Di-N-Octylphthalate		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	122-39-4	Diphenylamine		TRG	Yes	N	U		U	Y	0.0926	0.185	0.185	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	206-44-0	Fluoranthene	0.452	TRG	Yes	Y	D			Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	86-73-7	Fluorene	0.0748	TRG	Yes	Y	JD	J	J	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	RL
HVAC DUP	SW8270	2	25H1535-10	11.1	118-74-1	Hexachlorobenzene		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	87-68-3	Hexachlorobutadiene		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	77-47-4	Hexachlorocyclopentadiene		TRG	Yes	N	U	UJ	UJ	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	CV-
HVAC DUP	SW8270	2	25H1535-10	11.1	67-72-1	Hexachloroethane		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	193-39-5	Indeno(1,2,3-c,d)pyrene	0.201	TRG	Yes	Y	D			Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	78-59-1	Isophorone		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	65794-96-9	M+P MethylPhenol		TRG	Yes	N	U	UJ	UJ	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	CV-
HVAC DUP	SW8270	2	25H1535-10	11.1	91-20-3	Naphthalene	0.233	TRG	Yes	Y	D			Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	98-95-3	Nitrobenzene		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	62-75-9	N-Nitrosodimethylamine		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	621-64-7	N-Nitrosodi-N-Propylamine		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	86-30-6	N-Nitrosodiphenylamine		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	87-86-5	Pentachlorophenol		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	85-01-8	Phenanthrene	0.301	TRG	Yes	Y	D			Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	108-95-2	Phenol		TRG	Yes	N	U		U	Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270	2	25H1535-10	11.1	129-00-0	Pyrene	0.983	TRG	Yes	Y	D			Y	0.0464	0.0926	0.0926	mg/kg	Level 4	
HVAC DUP	SW8270DSI	1	25H1535-10	11.1	123-91-1	1,4-Dioxane (P-Dioxane)		TRG	Yes	N	U	UR	UR	Y	3.59	19.4	19.4	ug/kg	Level 4	TN
HVAC DUP	E1633	1	25H1535-10RE1	11.1	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)		TRG	Yes	N	U		U	Y	0.247	0.849	0.849	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	39108-34-4	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid		TRG	Yes	N	U		U	Y	0.180	0.862	0.862	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	757124-72-4	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid		TRG	Yes	N	U		U	Y	0.247	0.842	0.842	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	27619-97-2	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid		TRG	Yes	N	U		U	Y	0.202	0.853	0.853	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.820	5.61	5.61	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	812-70-4	3-Perfluoroheptyl propanoic acid (7:3FTCA)		TRG	Yes	N	U		U	Y	1.06	5.61	5.61	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	356-02-5	3-Perfluoropropyl propanoic acid (3:3 FTCA)		TRG	Yes	N	U		U	Y	0.359	1.12	1.12	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.292	0.849	0.849	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)		TRG	Yes	N	U		U	Y	0.303	0.840	0.840	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)		TRG	Yes	N	U	UR	UR	Y	0.258	0.898	0.898	ug/kg	Level 4	CV-,LC-
HVAC DUP	E1633	1	25H1535-10RE1	11.1	4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOSA)		TRG	Yes	N	U		U	Y	0.101	0.225	0.225	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		TRG	Yes	N	U		U	Y	0.561	0.561	0.561	ug/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
HVAC DUP	E1633	1	25H1535-10RE1	11.1	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		TRG	Yes	N	U		U	Y	0.517	2.25	2.25	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	31506-32-8	N-methyl perfluorooctanesulfonamide (NMeFOSA)		TRG	Yes	N	U		U	Y	0.146	0.225	0.225	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		TRG	Yes	N	U	UJ	UJ	Y	0.0898	0.225	0.225	ug/kg	Level 4	LC-
HVAC DUP	E1633	1	25H1535-10RE1	11.1	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		TRG	Yes	N	U		U	Y	0.820	2.25	2.25	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		TRG	Yes	N	U		U	Y	0.0674	0.400	0.400	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		TRG	Yes	N	U		U	Y	0.0449	0.449	0.449	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		TRG	Yes	N	U		U	Y	0.135	0.449	0.449	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	375-73-5	Perfluorobutanesulfonic acid (PFBS)		TRG	Yes	N	U		U	Y	0.0786	0.199	0.199	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	375-22-4	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.180	0.898	0.898	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	335-77-3	Perfluorodecanesulfonic acid (PFDS)		TRG	Yes	N	U		U	Y	0.0674	0.217	0.217	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	335-76-2	Perfluorodecanoic acid (PFDA)		TRG	Yes	N	U		U	Y	0.0898	0.225	0.225	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		TRG	Yes	N	U		U	Y	0.168	0.218	0.218	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	307-55-1	Perfluorododecanoic acid (PFDoA)		TRG	Yes	N	U		U	Y	0.0898	0.225	0.225	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		TRG	Yes	N	U		U	Y	0.0786	0.225	0.225	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	375-85-9	Perfluoroheptanoic acid (PFHpA)		TRG	Yes	N	U		U	Y	0.124	0.225	0.225	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.0897	TRG	Yes	Y	J	J	J	Y	0.0786	0.205	0.205	ug/kg	Level 4	RL
HVAC DUP	E1633	1	25H1535-10RE1	11.1	307-24-4	Perfluorohexanoic acid (PFHxA)		TRG	Yes	N	U		U	Y	0.0561	0.225	0.225	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	68259-12-1	Perfluorononanesulfonic Acid (PFNS)		TRG	Yes	N	U	UR	UR	Y	0.157	0.216	0.216	ug/kg	Level 4	CV-,LC-
HVAC DUP	E1633	1	25H1535-10RE1	11.1	375-95-1	Perfluorononanoic acid (PFNA)		TRG	Yes	N	U	UJ	UJ	Y	0.157	0.225	0.225	ug/kg	Level 4	IS
HVAC DUP	E1633	1	25H1535-10RE1	11.1	754-91-6	Perfluorooctane Sulfonamide (PFOSA)		TRG	Yes	N	U		U	Y	0.0337	0.225	0.225	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.27	TRG	Yes	Y				Y	0.0786	0.209	0.209	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	335-67-1	Perfluorooctanoic acid (PFOA)		TRG	Yes	N	U		U	Y	0.0786	0.225	0.225	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)		TRG	Yes	N	U		U	Y	0.0786	0.211	0.211	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	2706-90-3	Perfluoropentanoic Acid (PFPeA)		TRG	Yes	N	U		U	Y	0.0898	0.449	0.449	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	376-06-7	Perfluorotetradecanoic acid (PFTeDA)		TRG	Yes	N	U		U	Y	0.146	0.225	0.225	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	72629-94-8	Perfluorotridecanoic Acid (PFTriA/PFTrDA)		TRG	Yes	N	U		U	Y	0.124	0.225	0.225	ug/kg	Level 4	
HVAC DUP	E1633	1	25H1535-10RE1	11.1	2058-94-8	Perfluoroundecanoic Acid (PFUnA)		TRG	Yes	N	U		U	Y	0.124	0.225	0.225	ug/kg	Level 4	
HVAC DUP	Q_P_PFAS, E	1	25H1535-10RE1	11.1	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		TRG	Yes	N	U		U	Y	0.438	0.449	0.449	ug/kg	Level 4	
TRIP BLANK	SW8260	1	25H1535-11		630-20-6	1,1,1,2-Tetrachloroethane		TRG	Yes	N	U		U	N	0.216	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		71-55-6	1,1,1-Trichloroethane (TCA)		TRG	Yes	N	U		U	N	0.266	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		79-34-5	1,1,2,2-Tetrachloroethane		TRG	Yes	N	U		U	N	0.256	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane		TRG	Yes	N	U		U	N	0.286	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		79-00-5	1,1,2-Trichloroethane		TRG	Yes	N	U		U	N	0.249	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		75-34-3	1,1-Dichloroethane		TRG	Yes	N	U		U	N	0.272	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		75-35-4	1,1-Dichloroethene		TRG	Yes	N	U		U	N	0.327	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		87-61-6	1,2,3-Trichlorobenzene		TRG	Yes	N	U		U	N	0.222	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		96-18-4	1,2,3-Trichloropropane		TRG	Yes	N	U		U	N	0.273	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		120-82-1	1,2,4-Trichlorobenzene		TRG	Yes	N	U		U	N	0.138	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		95-63-6	1,2,4-Trimethylbenzene		TRG	Yes	N	U		U	N	0.310	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		96-12-8	1,2-Dibromo-3-Chloropropane		TRG	Yes	N	U		U	N	0.432	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		106-93-4	1,2-Dibromoethane (Ethylene Dibromide)		TRG	Yes	N	U		U	N	0.215	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		95-50-1	1,2-Dichlorobenzene		TRG	Yes	N	U		U	N	0.270	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		107-06-2	1,2-Dichloroethane		TRG	Yes	N	U		U	N	0.377	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		78-87-5	1,2-Dichloropropane		TRG	Yes	N	U		U	N	0.327	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		108-67-8	1,3,5-Trimethylbenzene (Mesitylene)		TRG	Yes	N	U		U	N	0.347	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		541-73-1	1,3-Dichlorobenzene		TRG	Yes	N	U		U	N	0.283	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		142-28-9	1,3-Dichloropropane		TRG	Yes	N	U		U	N	0.260	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		106-46-7	1,4-Dichlorobenzene		TRG	Yes	N	U		U	N	0.311	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		105-05-5	1,4-Diethyl Benzene		TRG	Yes	N	U		U	N	0.341	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		591-78-6	2-Hexanone		TRG	Yes	N	U		U	N	0.320	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		622-96-8	4-Ethyltoluene		TRG	Yes	N	U		U	N	0.200	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		67-64-1	Acetone	1.69	TRG	Yes	Y	J		J	N	1.34	2.00	2.00	ug/l		J
TRIP BLANK	SW8260	1	25H1535-11		107-02-8	Acrolein		TRG	Yes	N	U		U	N	0.447	0.500	0.500	ug/l		CCVE
TRIP BLANK	SW8260	1	25H1535-11		107-13-1	Acrylonitrile		TRG	Yes	N	U		U	N	0.422	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		71-43-2	Benzene		TRG	Yes	N	U		U	N	0.279	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		74-97-5	Bromochloromethane		TRG	Yes	N	U		U	N	0.354	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		75-27-4	Bromodichloromethane		TRG	Yes	N	U		U	N	0.245	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		75-25-2	Bromoform		TRG	Yes	N	U		U	N	0.163	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		74-83-9	Bromomethane		TRG	Yes	N	U		U	N	0.500	2.00	2.00	ug/l		CCVE
TRIP BLANK	SW8260	1	25H1535-11		75-15-0	Carbon Disulfide		TRG	Yes	N	U		U	N	0.362	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		56-23-5	Carbon Tetrachloride		TRG	Yes	N	U		U	N	0.204	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		108-90-7	Chlorobenzene		TRG	Yes	N	U		U	N	0.284	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		75-00-3	Chloroethane		TRG	Yes	N	U		U	N	0.448	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		67-66-3	Chloroform		TRG	Yes	N	U		U	N	0.243	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		74-87-3	Chloromethane (Methyl Chloride)		TRG	Yes	N	U		U	N	0.372	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		156-59-2	cis-1,2-Dichlorethene		TRG	Yes	N	U		U	N	0.294	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		10061-01-5	cis-1,3-Dichloropropene		TRG	Yes	N	U		U	N	0.262	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		110-82-7	Cyclohexane		TRG	Yes	N	U		U	N	0.491	0.500	0.500	ug/l		

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
TRIP BLANK	SW8260	1	25H1535-11		124-48-1	Dibromochloromethane		TRG	Yes	N	U		U	N	0.146	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		74-95-3	Dibromomethane		TRG	Yes	N	U		U	N	0.203	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		75-71-8	Dichlorodifluoromethane		TRG	Yes	N	U		U	N	0.451	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		100-41-4	Ethylbenzene		TRG	Yes	N	U		U	N	0.290	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		87-68-3	Hexachlorobutadiene		TRG	Yes	N	U		U	N	0.241	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		98-82-8	Isopropylbenzene (Cumene)		TRG	Yes	N	U		U	N	0.405	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		179601-23-1	m,p-Xylene		TRG	Yes	N	U		U	N	0.578	1.00	1.00	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		79-20-9	Methyl Acetate		TRG	Yes	N	U		U	N	0.442	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		78-93-3	Methyl Ethyl Ketone (2-Butanone)		TRG	Yes	N	U		U	N	0.421	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		TRG	Yes	N	U		U	N	0.365	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		108-87-2	Methylcyclohexane		TRG	Yes	N	U		U	N	0.477	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		75-09-2	Methylene Chloride		TRG	Yes	N	U		U	N	0.397	2.00	2.00	ug/l		CCVE
TRIP BLANK	SW8260	1	25H1535-11		91-20-3	Naphthalene		TRG	Yes	N	U		U	N	0.212	2.00	2.00	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		104-51-8	N-Butylbenzene		TRG	Yes	N	U		U	N	0.399	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		103-65-1	N-Propylbenzene		TRG	Yes	N	U		U	N	0.384	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		95-47-6	o-Xylene (1,2-Dimethylbenzene)		TRG	Yes	N	U		U	N	0.261	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		99-87-6	p-Cymene (p-Isopropyltoluene)		TRG	Yes	N	U		U	N	0.377	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		135-98-8	sec-Butylbenzene		TRG	Yes	N	U		U	N	0.444	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		100-42-5	Styrene		TRG	Yes	N	U		U	N	0.255	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		75-65-0	tert-Butyl Alcohol		TRG	Yes	N	U		U	N	0.608	1.00	1.00	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		1634-04-4	tert-Butyl Methyl Ether		TRG	Yes	N	U		U	N	0.244	0.500	0.500	ug/l		CCVE
TRIP BLANK	SW8260	1	25H1535-11		98-06-6	tert-Butylbenzene		TRG	Yes	N	U		U	N	0.367	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		127-18-4	Tetrachloroethene (PCE)		TRG	Yes	N	U		U	N	0.239	0.500	0.500	ug/l		QL-02
TRIP BLANK	SW8260	1	25H1535-11		108-88-3	Toluene		TRG	Yes	N	U		U	N	0.346	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		156-60-5	trans-1,2-Dichloroethene		TRG	Yes	N	U		U	N	0.279	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		10061-02-6	trans-1,3-Dichloropropene		TRG	Yes	N	U		U	N	0.229	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		79-01-6	Trichloroethene (TCE)		TRG	Yes	N	U		U	N	0.249	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		75-69-4	Trichlorofluoromethane		TRG	Yes	N	U		U	N	0.337	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		75-01-4	Vinyl Chloride		TRG	Yes	N	U		U	N	0.469	0.500	0.500	ug/l		
TRIP BLANK	SW8260	1	25H1535-11		1330-20-7	Xylenes		TRG	Yes	N	U		U	N	0.839	1.50	1.50	ug/l		
FIELD BLANK	E1633	1	25H1535-12		763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)		TRG	Yes	N	U		U	N	2.41	8.17	8.17	ng/l		
FIELD BLANK	E1633	1	25H1535-12		39108-34-4	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid		TRG	Yes	N	U		U	N	2.43	8.30	8.30	ng/l		
FIELD BLANK	E1633	1	25H1535-12		757124-72-4	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid		TRG	Yes	N	U		U	N	3.05	8.10	8.10	ng/l		
FIELD BLANK	E1633	1	25H1535-12		27619-97-2	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid		TRG	Yes	N	U		U	N	5.40	8.21	8.21	ng/l		
FIELD BLANK	E1633	1	25H1535-12		914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	N	27.0	54.0	54.0	ng/l		
FIELD BLANK	E1633	1	25H1535-12		812-70-4	3-Perfluoroheptyl propanoic acid (7:3FTCA)		TRG	Yes	N	U		U	N	24.9	54.0	54.0	ng/l		
FIELD BLANK	E1633	1	25H1535-12		356-02-5	3-Perfluoropropyl propanoic acid (3:3 FTCA)		TRG	Yes	N	U		U	N	2.55	10.8	10.8	ng/l		
FIELD BLANK	E1633	1	25H1535-12		919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	N	3.21	8.17	8.17	ng/l		
FIELD BLANK	E1633	1	25H1535-12		756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)		TRG	Yes	N	U		U	N	2.97	8.08	8.08	ng/l		
FIELD BLANK	E1633	1	25H1535-12		13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)		TRG	Yes	N	U		U	N	5.40	8.64	8.64	ng/l		
FIELD BLANK	E1633	1	25H1535-12		4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOSA)		TRG	Yes	N	U		U	N	1.13	2.16	2.16	ng/l		
FIELD BLANK	E1633	1	25H1535-12		2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		TRG	Yes	N	U		U	N	5.40	5.40	5.40	ng/l		
FIELD BLANK	E1633	1	25H1535-12		1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		TRG	Yes	N	U		U	N	7.87	21.6	21.6	ng/l		
FIELD BLANK	E1633	1	25H1535-12		31506-32-8	N-methyl perfluorooctanesulfonamide (NMeFOSA)		TRG	Yes	N	U		U	N	2.16	2.16	2.16	ng/l		
FIELD BLANK	E1633	1	25H1535-12		2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		TRG	Yes	N	U		U	N	0.540	2.16	2.16	ng/l		
FIELD BLANK	E1633	1	25H1535-12		24448-09-7	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		TRG	Yes	N	U		U	N	7.67	21.6	21.6	ng/l		
FIELD BLANK	E1633	1	25H1535-12		151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		TRG	Yes	N	U		U	N	3.24	4.32	4.32	ng/l		
FIELD BLANK	E1633	1	25H1535-12		113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		TRG	Yes	N	U		U	N	0.540	3.85	3.85	ng/l		
FIELD BLANK	E1633	1	25H1535-12		377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		TRG	Yes	N	U		U	N	0.756	4.32	4.32	ng/l		
FIELD BLANK	E1633	1	25H1535-12		863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		TRG	Yes	N	U		U	N	1.51	4.32	4.32	ng/l		
FIELD BLANK	E1633	1	25H1535-12		375-73-5	Perfluorobutanesulfonic acid (PFBS)		TRG	Yes	N	U		U	N	1.73	1.91	1.91	ng/l		
FIELD BLANK	E1633	1	25H1535-12		375-22-4	Perfluorobutanoic Acid		TRG	Yes	N	U		U	N	1.76	8.64	8.64	ng/l		
FIELD BLANK	E1633	1	25H1535-12		335-77-3	Perfluorodecanesulfonic acid (PFDS)		TRG	Yes	N	U		U	N	0.670	2.09	2.09	ng/l		
FIELD BLANK	E1633	1	25H1535-12		335-76-2	Perfluorodecanoic acid (PFDA)		TRG	Yes	N	U		U	N	0.616	2.16	2.16	ng/l		
FIELD BLANK	E1633	1	25H1535-12		79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		TRG	Yes	N	U		U	N	0.962	2.10	2.10	ng/l		
FIELD BLANK	E1633	1	25H1535-12		307-55-1	Perfluorododecanoic acid (PFDoA)		TRG	Yes	N	U		U	N	0.648	2.16	2.16	ng/l		
FIELD BLANK	E1633	1	25H1535-12		375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		TRG	Yes	N	U		U	N	0.335	2.06	2.06	ng/l		
FIELD BLANK	E1633	1	25H1535-12		375-85-9	Perfluoroheptanoic acid (PFHpA)		TRG	Yes	N	U		U	N	0.756	2.16	2.16	ng/l		
FIELD BLANK	E1633	1	25H1535-12		355-46-4	Perfluorohexanesulfonic acid (PFHxS)		TRG	Yes	N	U		U	N	0.962	1.98	1.98	ng/l		
FIELD BLANK	E1633	1	25H1535-12		307-24-4	Perfluorohexanoic acid (PFHxA)		TRG	Yes	N	U		U	N	0.540	2.16	2.16	ng/l		
FIELD BLANK	E1633	1	25H1535-12		68259-12-1	Perfluorononanesulfonic Acid (PFNS)		TRG	Yes	N	U		U	N	0.810	2.07	2.07	ng/l		
FIELD BLANK	E1633	1	25H1535-12		375-95-1	Perfluorononanoic acid (PFNA)		TRG	Yes	N	U		U	N	1.07	2.16	2.16	ng/l		
FIELD BLANK	E1633	1	25H1535-12		754-91-6	Perfluorooctane Sulfonamide (PFOSA)		TRG	Yes	N	U		U	N	0.400	2.16	2.16	ng/l		
FIELD BLANK	E1633	1	25H1535-12		1763-23-1	Perfluorooctanesulfonic acid (PFOS)		TRG	Yes	N	U		U	N	0.821	2.01	2.01	ng/l		
FIELD BLANK	E1633	1	25H1535-12		335-67-1	Perfluorooctanoic acid (PFOA)		TRG	Yes	N	U		U	N	1.08	2.16	2.16	ng/l		
FIELD BLANK	E1633	1	25H1535-12		2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)		TRG	Yes	N	U		U	N	0.810	2.03	2.03	ng/l		
FIELD BLANK	E1633	1	25H1535-12		2706-90-3	Perfluoropentanoic Acid (PFPeA)		TRG	Yes	N	U		U	N	0.962	4.32	4.32	ng/l		
FIELD BLANK	E1633	1	25H1535-12		376-06-7	Perfluorotetradecanoic acid (PFTeDA)		TRG	Yes	N	U		U	N	1.71	2.16	2.16	ng/l		

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
FIELD BLANK	E1633	1	25H1535-12		72629-94-8	Perfluorotridecanoic Acid (PFTriA/PFTrDA)		TRG	Yes	N	U		U	N	1.30	2.16	2.16	ng/l		
FIELD BLANK	E1633	1	25H1535-12		2058-94-8	Perfluoroundecanoic Acid (PFUnA)		TRG	Yes	N	U		U	N	0.767	2.16	2.16	ng/l		
FIELD BLANK	SW8260	1	25H1535-12		630-20-6	1,1,1,2-Tetrachloroethane		TRG	Yes	N	U		U	N	0.216	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		71-55-6	1,1,1-Trichloroethane (TCA)		TRG	Yes	N	U		U	N	0.266	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		79-34-5	1,1,2,2-Tetrachloroethane		TRG	Yes	N	U		U	N	0.256	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane		TRG	Yes	N	U		U	N	0.286	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		79-00-5	1,1,2-Trichloroethane		TRG	Yes	N	U		U	N	0.249	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		75-34-3	1,1-Dichloroethane		TRG	Yes	N	U		U	N	0.272	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		75-35-4	1,1-Dichloroethene		TRG	Yes	N	U		U	N	0.327	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		87-61-6	1,2,3-Trichlorobenzene		TRG	Yes	N	U		U	N	0.222	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		96-18-4	1,2,3-Trichloropropane		TRG	Yes	N	U		U	N	0.273	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		120-82-1	1,2,4-Trichlorobenzene		TRG	Yes	N	U		U	N	0.138	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		95-63-6	1,2,4-Trimethylbenzene		TRG	Yes	N	U		U	N	0.310	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		96-12-8	1,2-Dibromo-3-Chloropropane		TRG	Yes	N	U		U	N	0.432	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		106-93-4	1,2-Dibromoethane (Ethylene Dibromide)		TRG	Yes	N	U		U	N	0.215	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		95-50-1	1,2-Dichlorobenzene		TRG	Yes	N	U		U	N	0.270	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		107-06-2	1,2-Dichloroethane		TRG	Yes	N	U		U	N	0.377	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		78-87-5	1,2-Dichloropropane		TRG	Yes	N	U		U	N	0.327	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		108-67-8	1,3,5-Trimethylbenzene (Mesitylene)		TRG	Yes	N	U		U	N	0.347	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		541-73-1	1,3-Dichlorobenzene		TRG	Yes	N	U		U	N	0.283	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		142-28-9	1,3-Dichloropropane		TRG	Yes	N	U		U	N	0.260	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		106-46-7	1,4-Dichlorobenzene		TRG	Yes	N	U		U	N	0.311	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		105-05-5	1,4-Diethyl Benzene		TRG	Yes	N	U		U	N	0.341	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		591-78-6	2-Hexanone		TRG	Yes	N	U		U	N	0.320	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		622-96-8	4-Ethyltoluene		TRG	Yes	N	U		U	N	0.200	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		67-64-1	Acetone		TRG	Yes	N	U		U	N	1.34	2.00	2.00	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		107-02-8	Acrolein		TRG	Yes	N	U		U	N	0.447	0.500	0.500	ug/l		CCVE
FIELD BLANK	SW8260	1	25H1535-12		107-13-1	Acrylonitrile		TRG	Yes	N	U		U	N	0.422	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		71-43-2	Benzene		TRG	Yes	N	U		U	N	0.279	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		74-97-5	Bromochloromethane		TRG	Yes	N	U		U	N	0.354	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		75-27-4	Bromodichloromethane		TRG	Yes	N	U		U	N	0.245	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		75-25-2	Bromoform		TRG	Yes	N	U		U	N	0.163	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		74-83-9	Bromomethane		TRG	Yes	N	U		U	N	0.500	2.00	2.00	ug/l		CCVE
FIELD BLANK	SW8260	1	25H1535-12		75-15-0	Carbon Disulfide		TRG	Yes	N	U		U	N	0.362	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		56-23-5	Carbon Tetrachloride		TRG	Yes	N	U		U	N	0.204	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		108-90-7	Chlorobenzene		TRG	Yes	N	U		U	N	0.284	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		75-00-3	Chloroethane		TRG	Yes	N	U		U	N	0.448	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		67-66-3	Chloroform	3.94	TRG	Yes	Y				N	0.243	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		74-87-3	Chloromethane (Methyl Chloride)		TRG	Yes	N	U		U	N	0.372	0.500	0.500	ug/l		CCVE
FIELD BLANK	SW8260	1	25H1535-12		156-59-2	cis-1,2-Dichlorethene		TRG	Yes	N	U		U	N	0.294	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		10061-01-5	cis-1,3-Dichloropropene		TRG	Yes	N	U		U	N	0.262	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		110-82-7	Cyclohexane		TRG	Yes	N	U		U	N	0.491	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		124-48-1	Dibromochloromethane		TRG	Yes	N	U		U	N	0.146	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		74-95-3	Dibromomethane		TRG	Yes	N	U		U	N	0.203	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		75-71-8	Dichlorodifluoromethane		TRG	Yes	N	U		U	N	0.451	0.500	0.500	ug/l		CCVE
FIELD BLANK	SW8260	1	25H1535-12		100-41-4	Ethylbenzene		TRG	Yes	N	U		U	N	0.290	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		87-68-3	Hexachlorobutadiene		TRG	Yes	N	U		U	N	0.241	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		98-82-8	Isopropylbenzene (Cumene)		TRG	Yes	N	U		U	N	0.405	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		179601-23-1	m,p-Xylene		TRG	Yes	N	U		U	N	0.578	1.00	1.00	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		79-20-9	Methyl Acetate		TRG	Yes	N	U		U	N	0.442	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		78-93-3	Methyl Ethyl Ketone (2-Butanone)		TRG	Yes	N	U		U	N	0.421	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		TRG	Yes	N	U		U	N	0.365	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		108-87-2	Methylcyclohexane		TRG	Yes	N	U		U	N	0.477	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		75-09-2	Methylene Chloride		TRG	Yes	N	U		U	N	0.397	2.00	2.00	ug/l		CCVE
FIELD BLANK	SW8260	1	25H1535-12		91-20-3	Naphthalene		TRG	Yes	N	U		U	N	0.212	2.00	2.00	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		104-51-8	N-Butylbenzene		TRG	Yes	N	U		U	N	0.399	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		103-65-1	N-Propylbenzene		TRG	Yes	N	U		U	N	0.384	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		95-47-6	o-Xylene (1,2-Dimethylbenzene)		TRG	Yes	N	U		U	N	0.261	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		99-87-6	p-Cymene (p-Isopropyltoluene)		TRG	Yes	N	U		U	N	0.377	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		135-98-8	sec-Butylbenzene		TRG	Yes	N	U		U	N	0.444	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		100-42-5	Styrene		TRG	Yes	N	U		U	N	0.255	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		75-65-0	tert-Butyl Alcohol		TRG	Yes	N	U		U	N	0.608	1.00	1.00	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		1634-04-4	tert-Butyl Methyl Ether		TRG	Yes	N	U		U	N	0.244	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		98-06-6	tert-Butylbenzene		TRG	Yes	N	U		U	N	0.367	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		127-18-4	Tetrachloroethene (PCE)		TRG	Yes	N	U		U	N	0.239	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		108-88-3	Toluene		TRG	Yes	N	U		U	N	0.346	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		156-60-5	trans-1,2-Dichloroethene		TRG	Yes	N	U		U	N	0.279	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		10061-02-6	trans-1,3-Dichloropropene		TRG	Yes	N	U		U	N	0.229	0.500	0.500	ug/l		

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	percent_moisture	CAS_RN	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
FIELD BLANK	SW8260	1	25H1535-12		79-01-6	Trichloroethene (TCE)		TRG	Yes	N	U		U	N	0.249	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		75-69-4	Trichlorofluoromethane		TRG	Yes	N	U		U	N	0.337	0.500	0.500	ug/l		
FIELD BLANK	SW8260	1	25H1535-12		75-01-4	Vinyl Chloride		TRG	Yes	N	U		U	N	0.469	0.500	0.500	ug/l		CCVE
FIELD BLANK	SW8260	1	25H1535-12		1330-20-7	Xylenes		TRG	Yes	N	U		U	N	0.839	1.50	1.50	ug/l		

Section 4 Support Documentation

A. Sample Delivery Group 25H1532

Organic Analysis Support Documentation

Client Name:	Terracon	Project Manager:	Steve Zeiner
Site/Project Name:	HPN Env Management HVAC DV Support	Reviewed by:	Aaron Sobel
Job Number/Task:	PROJ-063926 Task 2 (Excavation)	Approved by:	Heather Paul
Laboratory/Location:	ALS Environmental - Stratford	Completion Date:	4/28/2026
SDG:	25H1532	Validation Level:	Level 4
Sample Collection Dates:	8/20/25		

The following table indicates criteria that were examined, the identified problems, and support documentation attachments.

	Criteria Examined in Detail							**Problems Identified**						
	Note: All items examined have been included in the Support Document unless otherwise noted.													
	Check (√) if Yes or Footnote Letter for Comments Below													
Parameter/ Method	VOC 8260D	SVOC 8270E	SVOC 8270E-SIM	Herb 8151A	PCB 8082A	Pest 8081B	GRO/DRO 8015D	VOC 8260D	SVOC 8270E					
Condition Upon Receipt	√	√	√	√	√	√	√							
Sample Preservation	√	√	√	√	√	√	√							
Holding Times	√	√	√	√		√	√							
Blank Analysis Results	√	√	√	√	√	√	√							
Surrogates	√	√	√	√	√	√	√							
Laboratory Control Sample	√	√	√	√	√	√	√	√	√					
Matrix Spike/Matrix Spike Duplicate														
Laboratory Duplicate														
Field Duplicate														
Sample Preparation	√	√	√	√	√	√	√							
Detection Limit/Sensitivity	√	√	√	√	√	√	√							
Mass Tuning	√	√	√											
GC Instrument Performance – Resolution Checks and DDT/Endrin Breakdown						√								
Initial Calibrations	√	√	√	√	√	√	√	√						
Continuing Calibrations	√	√	√	√	√	√	√	√	√					
Internal Standard Performance	√	√	√											
Retention Time Shifts	√	√	√	√	√	√	√							
Quantitation of Results	√	√	√	√	√	√	√		√					
Qualitative Identification Targets	√	√	√	√	√	√	√							
Qualitative Identification TICs														
Multiple Dilutions/Analyses														
Analytical Sequence	√	√	√	√	√	√	√							
GC Column Agreement														
Manual Integration														
Percent Solids	√	√	√	√	√	√	√							
Extract Cleanup Documentation, Checks and Calibrations														
Deliverable was Complete	√	√	√	√	√	√	√							
Other:														

Comments: Qualitative Identification and Quantitation of Results, and Manual Integrations are not included in the Support Documentation unless a problem was identified.

Hi-Res and PFAS Organic Analysis Support Documentation

Onterris™

Client Name:	Terracon	Project Manager:	Steve Zeiner
Site/Project Name:	HPN Env Management HVAC DV Support	Reviewed by:	Valerie Butterhof
Job Number/Task:	PROJ-063926 Task 2 (Excavation)	Approved by:	Heather Paul
Laboratory/Location:	ALS Environmental - Stratford	Completion Date:	4/2026
SDG:	25H1532	Validation Level:	4
Sample Collection Dates:	8/20/25		

The following table indicates criteria that were examined, the identified problems, and support documentation attachments.

	Criteria Examined in Detail **Note:** All items examined have been included in the Support Document unless otherwise noted.							**Problems Identified**						
	Check (√) if Yes or Footnote Letter for Comments Below													
Parameter/ Method	PFAS 1633							PFAS 1633						
Condition Upon Receipt	√													
Sample Preservation	√													
Holding Times	√													
Blank Analysis Results	√													
Laboratory Control Sample/Laboratory Fortified Blank/ On-going Precision and Recovery Standard	√							√						
Surrogates														
PFAS Pre-Extraction Internal Standards	√							√						
Laboratory Duplicate														
Field Duplicate														
Matrix Spike/Matrix Spike Duplicate														
Sample Preparation	√													
Mass Tuning														
Initial Calibration	√													
Second-Source Calibration Verification	√													
PFAS Signal Suppression Check														
Peak Asymmetry														
Continuing Calibrations	√							√						
Resolution Check Standards														
Detection Limit/Sensitivity	√							√						
Post-Extraction Internal Standards	√													
Quantitation of Results	√													
Linear/Branched Identification/Quantitation	√													
Qualitative Identification	√													
2,3,7,8-TCDD – 2nd column confirmation														
PFAS Ion Transition Ratio/Hi-Res Ion Ratio	√													
Hi-Res Lock Mass Monitoring														
Dioxin/Furan Chlorodiphenyl Ethers Monitoring														
Analytical Sequence	√													
Percent Solids	√													
Deliverable was Complete	√													
Other: Bile Salt Interference	√													

Comments: Qualitative Identification and Quantitation of Results are not included in the Support Documentation unless a problem was identified.

Inorganic Analysis Support Documentation

Client Name:	Terracon	Project Manager:	Steve Zeiner
Site/Project Name:	HPN Env Management HVAC DV Support	Reviewed by:	Aaron Sobel
Job Number/Task:	PROJ-063926 Task 2 (Excavation)	Approved by:	Heather Paul
Laboratory/Location:	ALS Environmental - Stratford	Completion Date:	4/28/26
SDG:	25H1532	Validation Level:	4
Sample Collection Dates:	8/20/25		

The following table indicates criteria that were examined, the identified problems, and support documentation attachments.

	Criteria Examined in Detail							**Problems Identified**						
	Note: All items examined have been included in the Support Document unless otherwise noted.													
	Check (√) if Yes or Footnote Letter for Comments Below													
Parameter/ Method	Metals 6010D	Hg 7473	Temp 170.1	Conductivity 120.1	Reactivity	pH		Metals 6010D						
Condition Upon Receipt	√	√	√	√	√	√								
Sample Preservation	√	√	√	√	√	√								
Holding Times	√	√	√	√	√	√								
Blank Analysis Results	√	√		√	√									
Laboratory Control Sample	√	√		√										
Matrix Spike (Pre-Digestion Spike)	√	√						√						
Laboratory Duplicate	√	√		√				√						
Field Duplicate	√	√												
Total *vs.* Dissolved Results Comparison														
Sample Preparation	√	√												
Mass Tuning														
Initial Calibrations	√	√												
Continuing Calibrations	√	√		√	√	√								
Detection Limit/Reporting Limit Standards	√	√												
Negative Bias	√	√												
Interference Checks	√													
Post-Digestion Spike	√							√						
Serial Dilution	√							√						
Analytical Sequence	√	√	√	√	√	√								
Linear Range Analysis	√													
Interelement Correction Factors														
Detection Limit/Sensitivity	√	√	√	√	√	√								
Dilutions														
Internal Standard Performance	√													
Quantitation of Results	√	√	√	√	√	√								
Multiple Exposures %RSD	√	√												
Percent Solids	√	√	√	√	√	√								
Deliverable was Complete	√	√	√	√	√	√								
Other:														

Comments: Quantitation of Results and Multiple Exposures are not included in the Support Documentation unless a problem was identified.

Blank Analysis Results

Fraction[1]	Matrix[2]	Blank Type[3]	Blank Sample Number	Contaminant	Concentration	Units[4]	CLC[5]	Qualification Limits	
								(2×/4×)[5]	(10×)
PF	S	CCB	S5I0837-CCB3	8:2 FTS	0.0068	µg/L	No	0.0136	0.068
				4:2 FTS	0.0011	µg/L	No	0.0022	0.011
				6:2 FTS	0.0015	µg/L	No	0.003	0.015
				PFDoS	0.004	µg/L	No	0.008	0.04

1 - M = Metal; G = General Chemistry; V = Volatile; S = Semivolatile; P = Pesticide/PCB; PF = PFAS; D/F = Dioxins/Furans; O = Other

2 - Aq = Aqueous; S = Solid; Air

3 - MB = Method Blank; TB = Trip Blank; EB = Equipment Blank; FB = Field Blank; LB = Leachate Blank
IB = Instrument Blank; CCB = Continuing Calibration Blank; ICB = Initial Calibration Blank; CB = Cannister Blank

4 - µg/L, mg/L, pg/L, ng/L, µg/kg, mg/kg, pg/kg, ng/kg

5 - Analytes that are common laboratory contaminants (CLCs) will be evaluated with a 4× qualification limit.

Notes:

Report Date: 02/06/2026
Client Project ID: JA257006 Task 10.2
Project (SDG) No.: 25H1532

Terracon Consultants, Inc.
201 Hammer Mill Rd
Rocky Hill CT, 06067
Attention: Don Pomeroy

General Notes

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 21, 2025 and listed below. The project was identified as your project: **JA257006 Task 10.2**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the ***Sample and Analysis Qualifiers*** section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the ***Sample and Data Qualifiers Relating to This Work Order*** section of this report and case narrative if applicable.

All Standard method references are based on the 24th Edition of Standard Methods unless otherwise noted.

The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.

Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.

ALS's liability for the above data is limited to the dollar value paid to ALS for the referenced project.

This report shall not be reproduced without the written approval of ALS.

All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information

It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.

This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by ALS.

Analyses conducted at ALS Environmental - Richmond Hill - Stratford, CT are indicated by NYDOH-NY10854, NJDEP-CT005, PADEP-68-04440, CTDPH-PH0840; those conducted at ALS Environmental - Richmond Hill, NY are indicated by NYDOH-NY12058, NJDEP-NY037, CTDPH-PH0837, NHDES-NH2097, MDDEP-375, PADEP-68-06231.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

Approved By: Cassie Mosher
Laboratory Manager Stratford

Approved By: Samantha Henningsen
Laboratory Director - Queens

Narrative Contents Summary

This Work Order Narrative includes the following items for full review of any quality issues encountered with samples and their analyses for the parameters requested:

1. Sample Receipt Information, including a Sample Summary which cross references your sample ID with Analytical sample ID, identifying the matrix and Date/Time collected and received.
2. Analysis Methodologies employed for the work order
3. Any Sample Issues encountered such as Holding time exceedances, improper containers/preservation, or any related issue with sample integrity
4. Specific Analysis Findings in order: Volatiles, Semi-Volatiles, Pesticides/PCBs, Herbicides, other GC parameters, Metals, Mercury, Wet Chemistry.
5. Analysis Findings Include:

    - Analyte qualifier summary
    - Samples and associated Calibration Curve(s)
    - Calibration Outliers Discussion/Tabular presentation and affected samples
    - Initial Calibration Verification (ICV) information
    - Batch QC Sample Performance (Blanks, Blank Spikes (BS), MS/MSD)
    - Internal Standard Performance
    - Surrogate Performance
    - Example Calculations

Work Order Narrative

Analytical Work Order No.: 25H1532

Client : Terracon Consultants, Inc.

Client Project ID : JA257006 Task 10.2

Prepared for : Don Pomeroy

1.0) Introduction

This work order Narrative applies to the following samples submitted to our laboratory on: 08/21/2025 5:55 PM

1 sample(s) were received intact in a custody-sealed cooler(s) unless otherwise noted. Upon receipt, cooler temperature(s) was determined using a NIST traceable digital infrared thermometer. The cooler temperature was acceptable (<= 6 °C)
and documented as: **{3.7}°C**

Sample Summary

SampleName	Lab Number	Matrix	Date Collected	Date Received
HVAC - Spoils	25H1532-01	Soil	08/20/2025 1:07 PM	08/21/2025 5:55 PM

WorkOrder Comments

2.0 Methodology

Analysis Class	*Preparation Method*	*Analysis Methodology*
WETCAL	% Solids Prep	SM 2540G
VOA	EPA 5035A	EPA 8015D
VOA	EPA 5035A	EPA 8260D
SVOA	EPA 3550C	EPA 8015D
SVOA	EPA 3510C	EPA 8270E
SVOA	EPA 3550C	EPA 8270E
SVOA_SIM	EPA 3550C	EPA 8270E SIM
PFAS	EPA 1633 Prep	EPA 1633A
PEST	EPA 3550C	EPA 8081B
PEST	EPA SW846-3510C Low Level	EPA 8081B
ARO	EPA 3550C	EPA 8082A
ARO	EPA SW846-3510C Low Level	EPA 8082A
ARO	Preparation of WIPES for PEST/	EPA 8082A
HERB	EPA 3550C/8151A	EPA 8151A
HERB	EPA 8151A	EPA 8151A
METALS	EPA 3050B	EPA 6010D
HG	EPA 7473 soil	EPA 7473
WET	Analysis Preparation	EPA 170.1
WET	Analysis Preparation	EPA 9045D
WET	Analysis Preparation	EPA SW-846 Ch.7.3.3
WET	Analysis Preparation	EPA SW-846 Ch.7.3.4
WET	Analysis Preparation	SM 2510B m
WET	Analysis Preparation	SW 846 1030

3.0 Sample Issues

No issues were encountered with the samples submitted other than those detailed below.

Analytical Work Order Narrative

Qualifier Summary Report:

SampleID	Method	LabNumber	Matrix	Analyte	Qualifier
	EPA 1633A	25H1532-01RE1	Soil	HFPO-DA (Gen-X)	PF-CCV-L
	EPA 1633A	25H1532-01RE1	Soil	M9PFNA	PFSu-H
	EPA 1633A	25H1532-01RE1	Soil	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	HT-NFD
	EPA 1633A	BI50372-BS2	Soil	11CL-PF3OUdS	J
	EPA 1633A	BI50372-BS2	Soil	9CL-PF3ONS	J
	EPA 1633A	BI50372-BS2	Soil	ADONA	J
	EPA 1633A	BI50372-BS2	Soil	HFPO-DA (Gen-X)	J
	EPA 1633A	BI50372-BS2	Soil	N-EtFOSAA	J
	EPA 1633A	BI50372-BS2	Soil	Perfluoro-1-nonanesulfonic acid (PFNS)	J
HVAC - Spoils	EPA 170.1	25H1532-01	Soil	Temperature	Z-01
HVAC - Spoils	EPA 6010D	25H1532-01	Soil	Calcium	B
	EPA 6010D	BH51875-DUP1	Soil	Calcium	B
	EPA 6010D	BH51875-MS1	Soil	Calcium	B
	EPA 6010D	BH51875-PS1	Soil	Calcium	B
	EPA 6010D	BH51875-SRM1	Soil	Calcium	B
HVAC - Spoils	EPA 8260D	25H1532-01	Soil	1,1-Dichloroethane	CCVE
HVAC - Spoils	EPA 8260D	25H1532-01	Soil	1,1-Dichloroethane	ICVE
HVAC - Spoils	EPA 8260D	25H1532-01	Soil	1,1-Dichloroethane	QL-02
HVAC - Spoils	EPA 8260D	25H1532-01	Soil	1,2,3-Trichlorobenzene	QL-02
HVAC - Spoils	EPA 8260D	25H1532-01	Soil	1,2,4-Trichlorobenzene	QL-02
HVAC - Spoils	EPA 8260D	25H1532-01	Soil	2-Butanone	QL-02
HVAC - Spoils	EPA 8260D	25H1532-01	Soil	2-Butanone	ICVE
HVAC - Spoils	EPA 8260D	25H1532-01	Soil	Acetone	CCVE
HVAC - Spoils	EPA 8260D	25H1532-01	Soil	Acetone	QL-02
HVAC - Spoils	EPA 8260D	25H1532-01	Soil	Acrylonitrile	QL-02
HVAC - Spoils	EPA 8260D	25H1532-01	Soil	Acrylonitrile	CCVE
HVAC - Spoils	EPA 8260D	25H1532-01	Soil	Acrylonitrile	ICVE
HVAC - Spoils	EPA 8260D	25H1532-01	Soil	Carbon disulfide	J
HVAC - Spoils	EPA 8260D	25H1532-01	Soil	Dichlorodifluoromethane	CCVE
HVAC - Spoils	EPA 8260D	25H1532-01	Soil	Hexachlorobutadiene	QL-02
HVAC - Spoils	EPA 8260D	25H1532-01	Soil	n-Butylbenzene	QL-02
HVAC - Spoils	EPA 8260D	25H1532-01	Soil	tert-Butylbenzene	QL-02
HVAC - Spoils	EPA 8260D	25H1532-01	Soil	Tetrachloroethylene	QL-02
	EPA 8260D	S5H1911-SCV1	Soil	1,1-Dichloroethane	ICVE
	EPA 8260D	S5H1911-SCV1	Soil	2-Butanone	ICVE
	EPA 8260D	S5H1911-SCV1	Soil	Acrylonitrile	ICVE
	EPA 8260D	S5H1911-SCV1	Soil	Methyl acetate	ICVE
HVAC - Spoils	EPA 8270E	25H1532-01	Soil	2,4-Dinitrophenol	CAL-E
HVAC - Spoils	EPA 8270E	25H1532-01	Soil	Acenaphthylene	J
HVAC - Spoils	EPA 8270E	25H1532-01	Soil	Bis(2-ethylhexyl)phthalate	J
HVAC - Spoils	EPA 8270E	25H1532-01	Soil	Dibenzo(a,h)anthracene	J
HVAC - Spoils	EPA 8270E	25H1532-01	Soil	Fluorene	J
HVAC - Spoils	EPA 8270E	25H1532-01	Soil	Hexachlorocyclopentadiene	CC

Analytical Work Order Narrative

Qualifier Summary Report:

SampleID	Method	LabNumber	Matrix	Analyte	Qualifier
HVAC - Spoils	EPA 8270E	25H1532-01	Soil	N-Nitrosodiphenylamine	J
	EPA 8270E	S5H2714-SCV1	Water	Cresols, total	ICVE
	EPA 8270E SIM	BH51804-BLK1	Soil	1,4-Dioxane-d8	S-HI
HVAC - Spoils	EPA 9045D	25H1532-01	Soil	pH	HT-pH
HVAC - Spoils	SW 846 1030	25H1532-01	Soil	Ignitability	IGN-01

Qualifier Definitions :

B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CCVH	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
CCVL	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased low.
HT-NFD	NFDHA was extracted outside of the 3-day holding time established by 1633A. NFDHA is not a regulated analyte, and does not have a toxicity factor or corresponding EPA Regional Screening Level. These results should not impact data usability
HT-pH	HOLDING TIME EXCEEDED. Samples for pH must be measured in the field or within 15 minutes of sample collection.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
IGN-01	Non-Ignit.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
PF-CCV-L	The CCV recovery for this PFAS compound was below control limits.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
S-08	The recovery of this surrogate was outside of QC limits.
S-HI	Surrogate recovery is above acceptance limits. No target compound is detected in sample.
Z-01	TEMPERATURE RECORDED AT TIME OF pH ANALYSIS

4.0 Analysis Issues

EPA 8260D

VOA, 8260 MASTER

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SH50043

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SH50043	S5H1911	S5H1911	Secondary Cal Check	S5H1911-SCV1	MS VOA 2	V2-637097.D
SH50043	S5H2227	S5H2227	Calibration Check	S5H2227-CCV1	MS VOA 2	V2-637308.D
SH50043	BH51730	S5H2227	LCS	BH51730-BS1	MS VOA 2	V2-637309.D
SH50043	BH51730	S5H2227	LCS Dup	BH51730-BSD1	MS VOA 2	V2-637310.D
SH50043	BH51730	S5H2227	Blank	BH51730-BLK1	MS VOA 2	V2-637311.D
SH50043	BH51730	S5H2227	HVAC - Spoils	25H1532-01	MS VOA 2	V2-637329.D

Initial calibration for EPA 8260D exceeded method guidelines.

Calibration	Intrument	Calibration Date	File ID
SH50043	MS VOA 2	8/12/2025 6:00:41 AM	V2-637078.D

Analyte	RSD%	RSDLim	<MinRRF	RRFLim	CorrCoeff	CCOut	SIM	CAL curve
Styrene		20	**0.0256**	0.05				QR0

The following QC and or client samples were affected:

SampleName	LabNumber	SourceSample	File ID
Secondary Cal Check	S5H1911-SCV1		V2-637097.D
Calibration Check	S5H2227-CCV1		V2-637308.D
LCS	BH51730-BS1		V2-637309.D
LCS Dup	BH51730-BSD1		V2-637310.D
Blank	BH51730-BLK1		V2-637311.D
HVAC - Spoils	25H1532-01		V2-637329.D

Analytical Work Order Narrative

EPA 8260D

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 8260D

All target analytes recovered within method limits with the following exceptions:

Calibration ID	Lab Number	Analyte	True Value	Result	Recovery%	Limits
SH50043	S5H1911-SCV1	1,1-Dichloroethane	50.0	21.6	**43.3**	70 - 130
SH50043	S5H1911-SCV1	2-Butanone	50.0	8.22	**16.4**	70 - 130
SH50043	S5H1911-SCV1	Acrylonitrile	50.0	22.4	**44.8**	70 - 130
SH50043	S5H1911-SCV1	Methyl acetate	50.0	81.6	**163**	70 - 130

The following QC and or client samples were affected:

LabNumber	SampleName	File ID
S5H2227-CCV1	Calibration Check	V2-637308.D
BH51730-BS1	LCS	V2-637309.D
BH51730-BSD1	LCS Dup	V2-637310.D
BH51730-BLK1	Blank	V2-637311.D
25H1532-01	HVAC - Spoils	V2-637329.D

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SH50043	S5H2227	S5H2227-CCV1	V2-637308.D	08/22/25 07:27

The continuing calibration verification exceeded method limits for the following analytes.

Calibration	LabNumber	Analyte	Units	Result	TrueVal	REC%	Limits		File ID
SH50043	S5H2227-CCV1	1,1-Dichloroethane	ug/L	24.3	50.0	**48.6**	80	120	V2-637308.D
SH50043	S5H2227-CCV1	Acetone	ug/L	67.0	50.0	**134**	80	120	V2-637308.D
SH50043	S5H2227-CCV1	Acrylonitrile	ug/L	162	250	**65**	80	120	V2-637308.D
SH50043	S5H2227-CCV1	Dichlorodifluoromethane	ug/L	31.8	50.0	**63.7**	80	120	V2-637308.D
SH50043	S5H2227-CCV1	Methylene chloride	ug/L	61.8	50.0	**124**	80	120	V2-637308.D
SH50043	S5H2227-CCV1	n-Butylbenzene	ug/L	60.9	50.0	**122**	80	120	V2-637308.D

The following QC and or client samples were affected:

Calibration	Sequence	LabNumber	SampleName	Source Sample	File ID
SH50043	S5H2227	BH51730-BS1	LCS		V2-637309.D
SH50043	S5H2227	BH51730-BSD1	LCS Dup		V2-637310.D
SH50043	S5H2227	BH51730-BLK1	Blank		V2-637311.D
SH50043	S5H2227	25H1532-01	HVAC - Spoils		V2-637329.D

Analytical Work Order Narrative

EPA 8260D

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

	Batch	Sequence	Instrument	Blank	FileID
VOA	BH51730	S5H2227	MS VOA 2	BH51730-BLK1	V2-637311.D

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
SH50043	5H2227	BH51730-BS1	LCS	V2-637309.D
SH50043	5H2227	BH51730-BSD1	LCS Dup	V2-637310.D

Sequence	SampleName	LabNumber	Analyte	DupRec%	Rec%	RPD%	REC Limits	RPD Limit
S5H2227	LCS	BH51730-BS1	1,1-Dichloroethane		**47.3**		75 - 130	
S5H2227	LCS	BH51730-BS1	2-Butanone		**15**		58 - 147	
S5H2227	LCS	BH51730-BS1	Acetone		**179**		36 - 155	
S5H2227	LCS	BH51730-BS1	Acrylonitrile		**57.2**		66 - 141	
S5H2227	LCS	BH51730-BS1	Methyl acetate		**190**		41 - 143	
S5H2227	LCS	BH51730-BS1	n-Butylbenzene		**73.5**		80 - 130	
S5H2227	LCS	BH51730-BS1	Tetrachloroethylene		**72.4**		80 - 129	
S5H2227	LCS Dup	BH51730-BSD1	1,1-Dichloroethane	47.3	**54.9**	15	75 - 130	30
S5H2227	LCS Dup	BH51730-BSD1	1,2,3-Trichlorobenzene	88.2	**80.4**	9.18	81 - 140	30
S5H2227	LCS Dup	BH51730-BSD1	1,2,4-Trichlorobenzene	87.0	**78.2**	10.7	80 - 141	30
S5H2227	LCS Dup	BH51730-BSD1	2-Butanone	15.0	**14.3**	4.91	58 - 147	30
S5H2227	LCS Dup	BH51730-BSD1	Acetone	179	**171**	4.1	36 - 155	30
S5H2227	LCS Dup	BH51730-BSD1	Acrylonitrile	57.2	**91.5**	46.2	66 - 141	30
S5H2227	LCS Dup	BH51730-BSD1	Hexachlorobutadiene	84.7	**72.1**	16.1	83 - 133	30
S5H2227	LCS Dup	BH51730-BSD1	Methyl acetate	190	**184**	3.59	41 - 143	30
S5H2227	LCS Dup	BH51730-BSD1	n-Butylbenzene	73.5	**69.7**	5.39	80 - 130	30
S5H2227	LCS Dup	BH51730-BSD1	tert-Butylbenzene	81.9	**77.1**	6.01	80 - 127	30
S5H2227	LCS Dup	BH51730-BSD1	Tetrachloroethylene	72.4	**68.8**	5.1	80 - 129	30

The following samples were affected:

Batch	LabNumber	SampleName	SourceSample
BH51730	25H1532-01	HVAC - Spoils	
BH51730	BH51730-BLK1	Blank	

EPA 8260D

Dilutions: No sample dilutions were required.

Analytical Work Order Narrative

EPA 8260D

Internal Standards / Surrogates

Internal Standards Issues: No issues were encountered.

Surrogate Issues:

Calibration	SampleName	LabNumber	Analyte	Rec %	Limits
SH50043	LCS	BH51730-BS1	SURR: 1,2-Dichloroethane-d4	**510**	77 - 125
SH50043	LCS	BH51730-BS1	SURR: Toluene-d8	**517**	85 - 120
SH50043	LCS	BH51730-BS1	SURR: p-Bromofluorobenzene	**558**	76 - 130
SH50043	LCS Dup	BH51730-BSD1	SURR: 1,2-Dichloroethane-d4	**504**	77 - 125
SH50043	LCS Dup	BH51730-BSD1	SURR: Toluene-d8	**514**	85 - 120
SH50043	LCS Dup	BH51730-BSD1	SURR: p-Bromofluorobenzene	**560**	76 - 130
SH50043	Blank	BH51730-BLK1	SURR: 1,2-Dichloroethane-d4	**518**	77 - 125
SH50043	Blank	BH51730-BLK1	SURR: Toluene-d8	**553**	85 - 120
SH50043	Blank	BH51730-BLK1	SURR: p-Bromofluorobenzene	**582**	76 - 130

4.0 Analysis Issues

EPA 8015D

Total Petroleum Hydrocarbons-GRO (C5-C10)

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SH50048

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SH50048	S5H2501	S5H2501	Secondary Cal Check	S5H2501-SCV1	GC-GRO	GG740433a.D
SH50048	S5H2602	S5H2602	Calibration Check	S5H2602-CCV1	GC-GRO	GG740437.D
SH50048	BH51754	S5H2602	Reference	BH51754-SRM1	GC-GRO	GG740438.D
SH50048	BH51754	S5H2602	Blank	BH51754-BLK1	GC-GRO	GG740439.D
SH50048	BH51754	S5H2602	HVAC - Spoils	25H1532-01	GC-GRO	GG740447.D
SH50048	S5H2602	S5H2602	Calibration Check	S5H2602-CCV2	GC-GRO	GG740455.D

Initial calibration for EPA 8015D met method guidelines.

EPA 8015D

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 8015D

All target analytes recovered within method limits

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SH50048	S5H2602	S5H2602-CCV1	GG740437.D	08/25/25 07:44
SH50048	S5H2602	S5H2602-CCV2	GG740455.D	08/25/25 15:55

The continuing calibration verification recovered within method limits.

EPA 8015D

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

	Batch	Sequence	Instrument	Blank	FileID
VOA	BH51754	S5H2602	GC-GRO	BH51754-BLK1	GG740439.D

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
SH50048	5H2602	BH51754-SRM1	Reference	GG740438.D

Analytical Work Order Narrative

EPA 8015D

Dilutions:

SpecificMethod	Batch	SampleName	LabNumber	Dilution
EPA 8015D	BH51754	HVAC - Spoils	25H1532-01	100

EPA 8015D

Internal Standards / Surrogates

Surrogate Issues: No issues were encountered.

4.0 Analysis Issues

EPA 8015D

Total Petroleum Hydrocarbons-DRO (C10-C28)

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SG50029

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SG50029	S5G2002	S5G2002	Secondary Cal Check	S5G2002-SCV1	GCFID2	GCFID2-0004527.D
SG50029	S5H2623	S5H2623	Calibration Check	S5H2623-CCV1	GCFID2	GCFID2-0005487.D
SG50029	BH51928	S5H2623	LCS	BH51928-BS1	GCFID2	GCFID2-0005491.D
SG50029	S5H2623	S5H2623	Calibration Check	S5H2623-CCV2	GCFID2	GCFID2-0005497.D
SG50029	BH51928	S5H2623	HVAC - Spoils	25H1532-01	GCFID2	GCFID2-0005519.D
SG50029	S5H2623	S5H2623	Calibration Check	S5H2623-CCV3	GCFID2	GCFID2-0005533.D

Initial calibration for EPA 8015D met method guidelines.

EPA 8015D

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 8015D

All target analytes recovered within method limits

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SG50029	S5H2623	S5H2623-CCV1	GCFID2-0005487.D	08/26/25 13:33
SG50029	S5H2623	S5H2623-CCV2	GCFID2-0005497.D	08/26/25 15:03
SG50029	S5H2623	S5H2623-CCV3	GCFID2-0005533.D	08/26/25 20:27

The continuing calibration verification recovered within method limits.

EPA 8015D

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
SG50029	5H2623	BH51928-BS1	LCS	GCFID2-0005491.D

EPA 8015D

Dilutions: No sample dilutions were required.

EPA 8015D

Internal Standards / Surrogates

Surrogate Issues: No issues were encountered.

4.0 Analysis Issues

EPA 8015D

Total Petroleum Hydrocarbons-DRO (C10-C28)

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SG50030

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SG50030	S5G2005	S5G2005	Secondary Cal Check	S5G2005-SCV1	GCFID2	GCFID2-0004558.D
SG50030	S5H2624	S5H2624	Calibration Check	S5H2624-CCV1	GCFID2	GCFID2-0005488.D
SG50030	BH51928	S5H2624	Blank	BH51928-BLK1	GCFID2	GCFID2-0005490.D
SG50030	S5H2624	S5H2624	Calibration Check	S5H2624-CCV2	GCFID2	GCFID2-0005496.D
SG50030	S5H2624	S5H2624	Calibration Check	S5H2624-CCV3	GCFID2	GCFID2-0005532.D

Initial calibration for EPA 8015D met method guidelines.

EPA 8015D

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 8015D

All target analytes recovered within method limits

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SG50030	S5H2624	S5H2624-CCV1	GCFID2-0005488.D	08/26/25 13:51
SG50030	S5H2624	S5H2624-CCV2	GCFID2-0005496.D	08/26/25 15:03
SG50030	S5H2624	S5H2624-CCV3	GCFID2-0005532.D	08/26/25 20:27

The continuing calibration verification recovered within method limits.

EPA 8015D

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

	Batch	Sequence	Instrument	Blank	FileID
SVOA	BH51928	S5H2624	GCFID2	BH51928-BLK1	GCFID2-0005490.D

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

EPA 8015D

Dilutions: No sample dilutions were required.

EPA 8015D

Internal Standards / Surrogates

Surrogate Issues: No issues were encountered.

4.0 Analysis Issues

EPA 8270E

SVOA, 8270 MASTER

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SH50050

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SH50050	S5H2508	S5H2508	Secondary Cal Check	S5H2508-SCV1	BNA#2	E20027278.D
SH50050	S5H2508	S5H2508	Secondary Cal Check	S5H2508-SCV2	BNA#2	E20027279.D
SH50050	S5H2722	S5H2722	Calibration Check	S5H2722-CCV1	BNA#2	E20027351.D
SH50050	BH51930	S5H2722	Blank	BH51930-BLK1	BNA#2	E20027360.D
SH50050	BH51930	S5H2722	LCS	BH51930-BS1	BNA#2	E20027361.D
SH50050	S5H2831	S5H2831	Calibration Check	S5H2831-CCV1	BNA#2	E20027373.D

Initial calibration for EPA 8270E exceeded method guidelines.

Calibration	Intrument	Calibration Date	File ID
SH50050	BNA#2	8/24/2025 12:17:19 AM	E20027269.D

Analyte	RSD%	RSDLim	<MinRRF	RRFLim	CorrCoeff	CCOut	SIM	CAL curve
2,4-Dinitrophenol	**44.79**	20						Avg
4,6-Dinitro-2-methylphenol	**23.85**	20						Avg
Benzoic acid	**27.90**	20						Avg
Parathion	**22.06**	20						Avg

The following QC and or client samples were affected:

SampleName	LabNumber	SourceSample	File ID
Secondary Cal Check	S5H2508-SCV1		E20027278.D
Secondary Cal Check	S5H2508-SCV2		E20027279.D
Calibration Check	S5H2722-CCV1		E20027351.D
Blank	BH51930-BLK1		E20027360.D
LCS	BH51930-BS1		E20027361.D
Calibration Check	S5H2831-CCV1		E20027373.D

Analytical Work Order Narrative

EPA 8270E

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 8270E

All target analytes recovered within method limits with the following exceptions:

Calibration ID	Lab Number	Analyte	True Value	Result	Recovery%	Limits
SH50050	S5H2508-SCV2	Benzidine	30.0	41.1	**137**	70 - 130

The following QC and or client samples were affected:

LabNumber	SampleName	File ID
S5H2722-CCV1	Calibration Check	E20027351.D
S5H2831-CCV1	Calibration Check	E20027373.D

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SH50050	S5H2722	S5H2722-CCV1	E20027351.D	08/27/25 08:52
SH50050	S5H2831	S5H2831-CCV1	E20027373.D	08/27/25 20:43

The continuing calibration verification exceeded method limits for the following analytes.

Calibration	LabNumber	Analyte	Units	Result	TrueVal	REC%	Limits		File ID
SH50050	S5H2722-CCV1	3,3-Dichlorobenzidine	ug/mL	39.0	30.0	**130**	80	120	E20027351.D
SH50050	S5H2722-CCV1	Benzo(a)pyrene	ug/mL	21.2	30.0	**70.7**	80	120	E20027351.D
SH50050	S5H2722-CCV1	Benzo(b)fluoranthene	ug/mL	22.3	30.0	**74.3**	80	120	E20027351.D
SH50050	S5H2722-CCV1	Benzo(k)fluoranthene	ug/mL	21.1	30.0	**70.3**	80	120	E20027351.D
SH50050	S5H2722-CCV1	Benzoic acid	ug/mL	21.0	30.0	**70.1**	80	120	E20027351.D
SH50050	S5H2722-CCV1	Bis(2-chloroethyl)ether	ug/mL	23.8	30.0	**79.4**	80	120	E20027351.D
SH50050	S5H2722-CCV1	Hexachlorocyclopentadiene	ug/mL	18.9	30.0	**63**	80	120	E20027351.D
SH50050	S5H2722-CCV1	N-Nitrosodimethylamine	ug/mL	21.8	30.0	**72.7**	80	120	E20027351.D
SH50050	S5H2722-CCV1	Pyridine	ug/mL	23.1	30.0	**76.9**	80	120	E20027351.D
SH50050	S5H2831-CCV1	2,4-Dinitrotoluene	ug/mL	38.9	30.0	**130**	80	120	E20027373.D
SH50050	S5H2831-CCV1	3,3-Dichlorobenzidine	ug/mL	38.9	30.0	**130**	80	120	E20027373.D
SH50050	S5H2831-CCV1	Benzidine	ug/mL	38.6	30.0	**128**	80	120	E20027373.D
SH50050	S5H2831-CCV1	Benzo(a)pyrene	ug/mL	19.6	30.0	**65.5**	80	120	E20027373.D
SH50050	S5H2831-CCV1	Benzo(b)fluoranthene	ug/mL	21.2	30.0	**70.7**	80	120	E20027373.D
SH50050	S5H2831-CCV1	Benzo(k)fluoranthene	ug/mL	20.8	30.0	**69.5**	80	120	E20027373.D
SH50050	S5H2831-CCV1	Benzoic acid	ug/mL	21.2	30.0	**70.5**	80	120	E20027373.D
SH50050	S5H2831-CCV1	Hexachlorocyclopentadiene	ug/mL	19.9	30.0	**66.3**	80	120	E20027373.D
SH50050	S5H2831-CCV1	N-Nitrosodimethylamine	ug/mL	22.6	30.0	**75.5**	80	120	E20027373.D

The following QC and or client samples were affected:

Calibration	Sequence	LabNumber	SampleName	Source Sample	File ID
SH50050	S5H2722	BH51930-BLK1	Blank		E20027360.D
SH50050	S5H2722	BH51930-BS1	LCS		E20027361.D

Analytical Work Order Narrative

EPA 8270E

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

	Batch	Sequence	Instrument	Blank	FileID
SVOA	BH51930	S5H2722	BNA#2	BH51930-BLK1	E20027360.D

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
SH50050	5H2722	BH51930-BS1	LCS	E20027361.D

Sequence	SampleName	LabNumber	Analyte	DupRec%	Rec%	RPD%	REC Limits	RPD Limit
S5H2722	LCS	BH51930-BS1	Benzoic acid		**7.04**		10 - 140	

The following samples were affected:

Batch	LabNumber	SampleName	SourceSample
BH51930	BH51930-BLK1	Blank	

EPA 8270E

Dilutions:

SpecificMethod	Batch	SampleName	LabNumber	Dilution
EPA 8270E	BH51930	HVAC - Spoils	25H1532-01	2

EPA 8270E

Internal Standards / Surrogates

Internal Standards Issues: No issues were encountered.

Surrogate Issues: No issues were encountered.

4.0 Analysis Issues

EPA 8270E

SVOA, 8270 MASTER

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SH50055

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SH50055	S5H2714	S5H2714	Secondary Cal Check	S5H2714-SCV1	BNA #4	SV4423739.D
SH50055	S5H2714	S5H2714	Secondary Cal Check	S5H2714-SCV2	BNA #4	SV4423740.D
SH50055	S5H2832	S5H2832	Calibration Check	S5H2832-CCV1	BNA #4	SV4423784a.D
SH50055	BH51930	S5H2832	HVAC - Spoils	25H1532-01	BNA #4	SV4423797.D

Initial calibration for EPA 8270E exceeded method guidelines.

Calibration	Intrument	Calibration Date	File ID
SH50055	BNA #4	8/26/2025 8:00:31 AM	SV4423728.D

Analyte	RSD%	RSDLim	<MinRRF	RRFLim	CorrCoeff	CCOut	SIM	CAL curve
2,4-Dinitrophenol	**95.45**	20	**0.0090**	0.05				Avg
4,6-Dinitro-2-methylphenol		20	**0.0151**	0.05				QR0
Hexachlorocyclopentadiene		20	**0.0086**	0.05				QR0

The following QC and or client samples were affected:

SampleName	LabNumber	SourceSample	File ID
Secondary Cal Check	S5H2714-SCV1		SV4423739.D
Calibration Check	S5H2832-CCV1		SV4423784a.D
HVAC - Spoils	25H1532-01		SV4423797.D

Analytical Work Order Narrative

EPA 8270E

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 8270E

All target analytes recovered within method limits with the following exceptions:

Calibration ID	Lab Number	Analyte	True Value	Result	Recovery%	Limits
SH50055	S5H2714-SCV1	2,4-Dinitrophenol	30.0	43.0	**143**	70 - 130
SH50055	S5H2714-SCV1	3- & 4-Methylphenols	30.0	55.3	**184**	70 - 130
SH50055	S5H2714-SCV1	Cresols, total	60.0	0.00		70 - 130

The following QC and or client samples were affected:

LabNumber	SampleName	File ID
S5H2832-CCV1	Calibration Check	SV4423784a.D

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SH50055	S5H2832	S5H2832-CCV1	SV4423784a.D	08/27/25 18:39

The continuing calibration verification exceeded method limits for the following analytes.

Calibration	LabNumber	Analyte	Units	Result	TrueVal	REC%	Limits		File ID
SH50055	S5H2832-CCV1	2,4-Dinitrophenol	ug/mL	90.0	30.0	**300**	80	120	SV4423784a.D
SH50055	S5H2832-CCV1	3,3-Dichlorobenzidine	ug/mL	37.3	30.0	**124**	80	120	SV4423784a.D
SH50055	S5H2832-CCV1	Benzidine	ug/mL	47.9	30.0	**160**	80	120	SV4423784a.D
SH50055	S5H2832-CCV1	Hexachlorocyclopentadiene	ug/mL	22.2	30.0	**74**	80	120	SV4423784a.D

The following QC and or client samples were affected:

Calibration	Sequence	LabNumber	SampleName	Source Sample	File ID
SH50055	S5H2832	25H1532-01	HVAC - Spoils		SV4423797.D

EPA 8270E

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

EPA 8270E

Dilutions:

SpecificMethod	Batch	SampleName	LabNumber	Dilution
EPA 8270E	BH51930	HVAC - Spoils	25H1532-01	2

EPA 8270E

Internal Standards / Surrogates

Internal Standards Issues: No issues were encountered.
Surrogate Issues: No issues were encountered.

4.0 Analysis Issues

EPA 8270E SIM

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SJ50036

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SJ50036	S5H1422	S5H1422	Secondary Cal Check	S5H1422-SCV1	BNA #3	SV308235a.D
SJ50036	S5H2625	S5H2625	Calibration Check	S5H2625-CCV1	BNA #3	SV308575.D
SJ50036	BH51804	S5H2625	Blank	BH51804-BLK1	BNA #3	SV308576.D
SJ50036	BH51804	S5H2625	LCS	BH51804-BS1	BNA #3	SV308577.D
SJ50036	BH51804	S5H2625	HVAC - Spoils	25H1532-01	BNA #3	SV308584.D
SJ50036	S5H2625	S5H2625	Calibration Check	S5H2625-CCV2	BNA #3	SV308586.D

Initial calibration for EPA 8270E SIM met method guidelines.

EPA 8270E SIM

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 8270E SIM

All target analytes recovered within method limits

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SJ50036	S5H2625	S5H2625-CCV1	SV308575.D	08/26/25 12:26
SJ50036	S5H2625	S5H2625-CCV2	SV308586.D	08/26/25 15:33

The continuing calibration verification recovered within method limits.

EPA 8270E SIM

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

	Batch	Sequence	Instrument	Blank	FileID
SVOA_SIM	BH51804	S5H2625	BNA #3	BH51804-BLK1	SV308576.D

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
SJ50036	5H2625	BH51804-BS1	LCS	SV308577.D

EPA 8270E SIM

Dilutions: No sample dilutions were required.

EPA 8270E SIM

Internal Standards / Surrogates

Internal Standards Issues: No issues were encountered.

Surrogate Issues:

Calibration	SampleName	LabNumber	Analyte	Rec %	Limits
SJ50036	Blank	BH51804-BLK1	1,4-Dioxane-d8	**130**	39 - 127.5

4.0 Analysis Issues

EPA 1633A

Q_P_PFAS, EPA 1633a NFDHA

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SH50063

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SH50063	S5H2836	S5H2836	Calibration Blank	S5H2836-CCB2	QQQ4	QQQ421175.d
SH50063	S5H2836	S5H2836	Secondary Cal Check	S5H2836-SCV1	QQQ4	QQQ421176.d
SH50063	S5H2836	S5H2836	Performance Mix	S5H2836-PEM1	QQQ4	QQQ421178.d
SH50063	S5I0837	S5I0837	Low Cal Check	S5I0837-LCV1	QQQ4	QQQ421532.d
SH50063	S5I0837	S5I0837	Calibration Check	S5I0837-CCV1	QQQ4	QQQ421534.d
SH50063	S5I0837	S5I0837	Calibration Blank	S5I0837-CCB1	QQQ4	QQQ421536.d
SH50063	BI50372	S5I0837	LCS	BI50372-BS1	QQQ4	QQQ421541.d
SH50063	BI50372	S5I0837	Blank	BI50372-BLK1	QQQ4	QQQ421542.d
SH50063	BI50372	S5I0837	LCS	BI50372-BS2	QQQ4	QQQ421543.d
SH50063	S5I0837	S5I0837	Performance Mix	S5I0837-PEM1	QQQ4	QQQ421547.d
SH50063	S5I0837	S5I0837	Calibration Check	S5I0837-CCV2	QQQ4	QQQ421558.d
SH50063	S5I0837	S5I0837	Calibration Blank	S5I0837-CCB2	QQQ4	QQQ421559.d
SH50063	BI50372	S5I0837	HVAC - Spoils	25H1532-01RE1	QQQ4	QQQ421563.d
SH50063	S5I0837	S5I0837	Calibration Check	S5I0837-CCV3	QQQ4	QQQ421570.d
SH50063	S5I0837	S5I0837	Calibration Blank	S5I0837-CCB3	QQQ4	QQQ421571.d
SH50063	S5I0837	S5I0837	Calibration Check	S5I0837-CCV4	QQQ4	QQQ421584.d
SH50063	S5I0837	S5I0837	Calibration Blank	S5I0837-CCB4	QQQ4	QQQ421585.d
SH50063	S5I0837	S5I0837	Calibration Check	S5I0837-CCV5	QQQ4	QQQ421593.d
SH50063	S5I0837	S5I0837	Calibration Blank	S5I0837-CCB5	QQQ4	QQQ421594.d

Initial calibration for EPA 1633A exceeded method guidelines.

Calibration	Intrument	Calibration Date	File ID
SH50063	QQQ4	8/27/2025 8:00:26 AM	QQQ421166.d

The following QC and or client samples were affected:

Analytical Work Order Narrative

EPA 1633A

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 1633A

All target analytes recovered within method limits

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SH50063	S5I0837	S5I0837-CCV1	QQQ421534.d	09/07/25 14:59
SH50063	S5I0837	S5I0837-CCV2	QQQ421558.d	09/07/25 21:06
SH50063	S5I0837	S5I0837-CCV3	QQQ421570.d	09/08/25 00:10
SH50063	S5I0837	S5I0837-CCV4	QQQ421584.d	09/08/25 03:44
SH50063	S5I0837	S5I0837-CCV5	QQQ421593.d	09/08/25 06:03

The continuing calibration verification exceeded method limits for the following analytes.

Calibration	LabNumber	Analyte	Units	Result	TrueVal	REC%	Limits		File ID
SH50063	S5I0837-CCV2	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ng/mL	6.66	5.00	**133**	70	130	QQQ421558.d

The following QC and or client samples were affected:

Calibration	Sequence	LabNumber	SampleName	Source Sample	File ID
SH50063	S5I0837	S5I0837-LCV1	Low Cal Check		QQQ421532.d
SH50063	S5I0837	S5I0837-CCB1	Calibration Blank		QQQ421536.d
SH50063	S5I0837	BI50372-BS1	LCS		QQQ421541.d
SH50063	S5I0837	BI50372-BS2	LCS		QQQ421543.d
SH50063	S5I0837	S5I0837-PEM1	Performance Mix		QQQ421547.d
SH50063	S5I0837	S5I0837-CCB2	Calibration Blank		QQQ421559.d
SH50063	S5I0837	S5I0837-CCB3	Calibration Blank		QQQ421571.d
SH50063	S5I0837	S5I0837-CCB4	Calibration Blank		QQQ421585.d
SH50063	S5I0837	S5I0837-CCB5	Calibration Blank		QQQ421594.d

EPA 1633A

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

	Batch	Sequence	Instrument	Blank	FileID
PFAS	BI50372	S5I0837	QQQ4	BI50372-BLK1	QQQ421542.d

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
SH50063	5I0837	BI50372-BS1	LCS	QQQ421541.d
SH50063	5I0837	BI50372-BS2	LCS	QQQ421543.d

EPA 1633A

Dilutions: No sample dilutions were required.

EPA 1633A

Internal Standards / Surrogates

Internal Standards Issues:

Surrogate Issues: No issues were encountered.

Batch	Instrument	Calibration	SampleName	LabNumber	Analyte	ISArea%	ISCVRTDiff
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	MPFHxA	107	5.8122

4.0 Analysis Issues

EPA 1633A

Q_P_PFAS, EPA 1633a Target List

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SH50063

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SH50063	S5H2836	S5H2836	Calibration Blank	S5H2836-CCB2	QQQ4	QQQ421175.d
SH50063	S5H2836	S5H2836	Secondary Cal Check	S5H2836-SCV1	QQQ4	QQQ421176.d
SH50063	S5H2836	S5H2836	Performance Mix	S5H2836-PEM1	QQQ4	QQQ421178.d
SH50063	S5I0837	S5I0837	Low Cal Check	S5I0837-LCV1	QQQ4	QQQ421532.d
SH50063	S5I0837	S5I0837	Calibration Check	S5I0837-CCV1	QQQ4	QQQ421534.d
SH50063	S5I0837	S5I0837	Calibration Blank	S5I0837-CCB1	QQQ4	QQQ421536.d
SH50063	BI50372	S5I0837	LCS	BI50372-BS1	QQQ4	QQQ421541.d
SH50063	BI50372	S5I0837	Blank	BI50372-BLK1	QQQ4	QQQ421542.d
SH50063	BI50372	S5I0837	LCS	BI50372-BS2	QQQ4	QQQ421543.d
SH50063	S5I0837	S5I0837	Performance Mix	S5I0837-PEM1	QQQ4	QQQ421547.d
SH50063	S5I0837	S5I0837	Calibration Check	S5I0837-CCV2	QQQ4	QQQ421558.d
SH50063	S5I0837	S5I0837	Calibration Blank	S5I0837-CCB2	QQQ4	QQQ421559.d
SH50063	BI50372	S5I0837	HVAC - Spoils	25H1532-01RE1	QQQ4	QQQ421563.d
SH50063	S5I0837	S5I0837	Calibration Check	S5I0837-CCV3	QQQ4	QQQ421570.d
SH50063	S5I0837	S5I0837	Calibration Blank	S5I0837-CCB3	QQQ4	QQQ421571.d
SH50063	S5I0837	S5I0837	Calibration Check	S5I0837-CCV4	QQQ4	QQQ421584.d
SH50063	S5I0837	S5I0837	Calibration Blank	S5I0837-CCB4	QQQ4	QQQ421585.d
SH50063	S5I0837	S5I0837	Calibration Check	S5I0837-CCV5	QQQ4	QQQ421593.d
SH50063	S5I0837	S5I0837	Calibration Blank	S5I0837-CCB5	QQQ4	QQQ421594.d

4.0 Analysis Issues

Initial calibration for ***EPA 1633A*** ***exceeded method guidelines.***

Calibration	Intrument	Calibration Date	File ID
SH50063	QQQ4	8/27/2025 8:00:26 AM	QQQ421166.d

Analyte	RSD%	RSDLim	<MinRRF	RRFLim	CorrCoeff	CCOut	SIM	CAL curve
M2-4:2 FTS	**21.04**	20						Avg
M2-6:2 FTS	**20.34**	20						Avg

The following QC and or client samples were affected:

SampleName	LabNumber	SourceSample	File ID
Calibration Blank	S5H2836-CCB2		QQQ421175.d
Secondary Cal Check	S5H2836-SCV1		QQQ421176.d
Performance Mix	S5H2836-PEM1		QQQ421178.d
Low Cal Check	S5I0837-LCV1		QQQ421532.d
Calibration Check	S5I0837-CCV1		QQQ421534.d
Calibration Blank	S5I0837-CCB1		QQQ421536.d
LCS	BI50372-BS1		QQQ421541.d
Blank	BI50372-BLK1		QQQ421542.d
LCS	BI50372-BS2		QQQ421543.d
Performance Mix	S5I0837-PEM1		QQQ421547.d
Calibration Check	S5I0837-CCV2		QQQ421558.d
Calibration Blank	S5I0837-CCB2		QQQ421559.d
Calibration Check	S5I0837-CCV3		QQQ421570.d
Calibration Blank	S5I0837-CCB3		QQQ421571.d
Calibration Check	S5I0837-CCV4		QQQ421584.d
Calibration Blank	S5I0837-CCB4		QQQ421585.d
Calibration Check	S5I0837-CCV5		QQQ421593.d
Calibration Blank	S5I0837-CCB5		QQQ421594.d

Analytical Work Order Narrative

EPA 1633A

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 1633A

All target analytes recovered within method limits

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SH50063	S5I0837	S5I0837-CCV1	QQQ421534.d	09/07/25 14:59
SH50063	S5I0837	S5I0837-CCV2	QQQ421558.d	09/07/25 21:06
SH50063	S5I0837	S5I0837-CCV3	QQQ421570.d	09/08/25 00:10
SH50063	S5I0837	S5I0837-CCV4	QQQ421584.d	09/08/25 03:44
SH50063	S5I0837	S5I0837-CCV5	QQQ421593.d	09/08/25 06:03

The continuing calibration verification exceeded method limits for the following analytes.

Calibration	LabNumber	Analyte	Units	Result	TrueVal	REC%	Limits		File ID
SH50063	S5I0837-CCV1	HFPO-DA (Gen-X)	ng/mL	4.92	10.0	**49.2**	70	130	QQQ421534.d
SH50063	S5I0837-CCV1	d5-N-EtFOSAA	ng/mL	3.46	5.00	**69.2**	70	130	QQQ421534.d
SH50063	S5I0837-CCV1	M2-6:2 FTS	ng/mL	1.59	4.76	**33.3**	70	130	QQQ421534.d
SH50063	S5I0837-CCV1	M2-8:2 FTS	ng/mL	1.67	4.80	**34.8**	70	130	QQQ421534.d
SH50063	S5I0837-CCV1	M2-4:2 FTS	ng/mL	1.37	4.69	**29.3**	70	130	QQQ421534.d
SH50063	S5I0837-CCV2	HFPO-DA (Gen-X)	ng/mL	4.83	10.0	**48.3**	70	130	QQQ421558.d
SH50063	S5I0837-CCV2	M2-6:2 FTS	ng/mL	1.94	4.76	**40.8**	70	130	QQQ421558.d
SH50063	S5I0837-CCV2	M2-8:2 FTS	ng/mL	2.25	4.80	**46.9**	70	130	QQQ421558.d
SH50063	S5I0837-CCV2	M2-4:2 FTS	ng/mL	1.59	4.69	**33.9**	70	130	QQQ421558.d
SH50063	S5I0837-CCV3	HFPO-DA (Gen-X)	ng/mL	4.75	10.0	**47.5**	70	130	QQQ421570.d
SH50063	S5I0837-CCV3	M2-6:2 FTS	ng/mL	2.12	4.76	**44.6**	70	130	QQQ421570.d
SH50063	S5I0837-CCV3	M2-8:2 FTS	ng/mL	2.23	4.80	**46.5**	70	130	QQQ421570.d
SH50063	S5I0837-CCV3	M2-4:2 FTS	ng/mL	1.56	4.69	**33.2**	70	130	QQQ421570.d
SH50063	S5I0837-CCV4	HFPO-DA (Gen-X)	ng/mL	4.47	10.0	**44.7**	70	130	QQQ421584.d
SH50063	S5I0837-CCV4	M2-6:2 FTS	ng/mL	2.52	4.76	**52.9**	70	130	QQQ421584.d
SH50063	S5I0837-CCV4	M2-8:2 FTS	ng/mL	2.64	4.80	**54.9**	70	130	QQQ421584.d
SH50063	S5I0837-CCV4	M2-4:2 FTS	ng/mL	1.79	4.69	**38.2**	70	130	QQQ421584.d
SH50063	S5I0837-CCV5	HFPO-DA (Gen-X)	ng/mL	4.66	10.0	**46.6**	70	130	QQQ421593.d
SH50063	S5I0837-CCV5	M2-6:2 FTS	ng/mL	2.77	4.76	**58.2**	70	130	QQQ421593.d
SH50063	S5I0837-CCV5	M2-8:2 FTS	ng/mL	2.79	4.80	**58.2**	70	130	QQQ421593.d
SH50063	S5I0837-CCV5	M2-4:2 FTS	ng/mL	1.92	4.69	**40.9**	70	130	QQQ421593.d

The following QC and or client samples were affected:

Calibration	Sequence	LabNumber	SampleName	Source Sample	File ID
SH50063	S5I0837	S5I0837-LCV1	Low Cal Check		QQQ421532.d
SH50063	S5I0837	S5I0837-CCB1	Calibration Blank		QQQ421536.d
SH50063	S5I0837	BI50372-BS1	LCS		QQQ421541.d
SH50063	S5I0837	BI50372-BLK1	Blank		QQQ421542.d
SH50063	S5I0837	BI50372-BS2	LCS		QQQ421543.d
SH50063	S5I0837	S5I0837-PEM1	Performance Mix		QQQ421547.d
SH50063	S5I0837	S5I0837-CCB2	Calibration Blank		QQQ421559.d
SH50063	S5I0837	25H1532-01RE1	HVAC - Spoils		QQQ421563.d
SH50063	S5I0837	S5I0837-CCB3	Calibration Blank		QQQ421571.d
SH50063	S5I0837	S5I0837-CCB4	Calibration Blank		QQQ421585.d
SH50063	S5I0837	S5I0837-CCB5	Calibration Blank		QQQ421594.d

Analytical Work Order Narrative

EPA 1633A

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

	Batch	Sequence	Instrument	Blank	FileID
PFAS	BI50372	S5I0837	QQQ4	BI50372-BLK1	QQQ421542.d

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
SH50063	5I0837	BI50372-BS1	LCS	QQQ421541.d
SH50063	5I0837	BI50372-BS2	LCS	QQQ421543.d

Sequence	SampleName	LabNumber	Analyte	DupRec%	Rec%	RPD%	REC Limits	RPD Limit
S5I0837	LCS	BI50372-BS1	HFPO-DA (Gen-X)		**48.7**		70 - 145	
S5I0837	LCS	BI50372-BS2	N-MeFOSAA		**62.3**		65 - 155	
S5I0837	LCS	BI50372-BS2	HFPO-DA (Gen-X)		**67.9**		70 - 145	
S5I0837	LCS	BI50372-BS2	Perfluoro-1-nonanesulfonic acid (PFNS)		**46.6**		55 - 140	

The following samples were affected:

Batch	LabNumber	SampleName	SourceSample
BI50372	25H1532-01RE1	HVAC - Spoils	
BI50372	BI50372-BLK1	Blank	
S5I0837	S5I0837-LCV1	Low Cal Check	
S5I0837	S5I0837-PEM1	Performance Mix	

EPA 1633A

Dilutions: No sample dilutions were required.

Analytical Work Order Narrative

EPA 1633A

Internal Standards / Surrogates

Internal Standards Issues:

Surrogate Issues:

Batch	Instrument	Calibration	SampleName	LabNumber	Analyte	ISArea%	ISCVRTDiff
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	M3PFBA	84	3.1132
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	MPFDA	104	7.7087
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	MPFHxA	107	5.8122
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	MPFHxS	110	6.9917
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	MPFNA	105	7.3207
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	MPFOA	99	6.8977
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	MPFOS	107	7.8396

Calibration	SampleName	LabNumber	Analyte	Rec %	Limits
SH50063	LCS	BI50372-BS1	M9PFNA	**142**	40 - 130
SH50063	LCS	BI50372-BS1	M2-4:2 FTS	**36.9**	40 - 165
SH50063	Blank	BI50372-BLK1	M9PFNA	**140**	40 - 130
SH50063	Blank	BI50372-BLK1	M2-4:2 FTS	**38.1**	40 - 165
SH50063	LCS	BI50372-BS2	M2-4:2 FTS	**35.9**	40 - 165
SH50063	HVAC - Spoils	25H1532-01RE1	M9PFNA	**138**	40 - 130
SH50063	Calibration Check	S5I0837-CCV1	d5-N-EtFOSAA	**69.2**	70 - 130
SH50063	Calibration Check	S5I0837-CCV1	M2-6:2 FTS	**33.3**	70 - 130
SH50063	Calibration Check	S5I0837-CCV1	M2-8:2 FTS	**34.8**	70 - 130
SH50063	Calibration Check	S5I0837-CCV1	M2-4:2 FTS	**29.3**	70 - 130
SH50063	Calibration Blank	S5I0837-CCB1	M2-6:2 FTS	**34.7**	40 - 215
SH50063	Calibration Blank	S5I0837-CCB1	M2-8:2 FTS	**38**	40 - 275
SH50063	Calibration Blank	S5I0837-CCB1	M2-4:2 FTS	**33.5**	40 - 165
SH50063	Calibration Check	S5I0837-CCV2	M2-6:2 FTS	**40.8**	70 - 130
SH50063	Calibration Check	S5I0837-CCV2	M2-8:2 FTS	**46.9**	70 - 130
SH50063	Calibration Check	S5I0837-CCV2	M2-4:2 FTS	**33.9**	70 - 130
SH50063	Calibration Blank	S5I0837-CCB2	M2-4:2 FTS	**34.8**	40 - 165
SH50063	Calibration Check	S5I0837-CCV3	M2-6:2 FTS	**44.6**	70 - 130
SH50063	Calibration Check	S5I0837-CCV3	M2-8:2 FTS	**46.5**	70 - 130
SH50063	Calibration Check	S5I0837-CCV3	M2-4:2 FTS	**33.2**	70 - 130
SH50063	Calibration Blank	S5I0837-CCB3	M2-4:2 FTS	**36.7**	40 - 165
SH50063	Calibration Check	S5I0837-CCV4	M2-6:2 FTS	**52.9**	70 - 130
SH50063	Calibration Check	S5I0837-CCV4	M2-8:2 FTS	**54.9**	70 - 130
SH50063	Calibration Check	S5I0837-CCV4	M2-4:2 FTS	**38.2**	70 - 130
SH50063	Calibration Blank	S5I0837-CCB4	M2-4:2 FTS	**37.3**	40 - 165
SH50063	Calibration Check	S5I0837-CCV5	M2-6:2 FTS	**58.2**	70 - 130
SH50063	Calibration Check	S5I0837-CCV5	M2-8:2 FTS	**58.2**	70 - 130
SH50063	Calibration Check	S5I0837-CCV5	M2-4:2 FTS	**40.9**	70 - 130

4.0 Analysis Issues

EPA 8081B

PEST, 8081 MASTER

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SF50002

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SF50002	S5B0502	S5B0502	Performance Mix	S5B0502-PEM1	PEST7	P7035859.D
SF50002	S5H2541	S5H2541	Performance Mix	S5H2541-PEM1	PEST7	P7043740.D
SF50002	S5H2541	S5H2541	Calibration Check	S5H2541-CCV1	PEST7	P7043742.D
SF50002	S5H2541	S5H2541	Calibration Check	S5H2541-CCV2	PEST7	P7043743.D
SF50002	S5H2541	S5H2541	Calibration Check	S5H2541-CCV3	PEST7	P7043744.D
SF50002	BH51816	S5H2541	Blank	BH51816-BLK1	PEST7	P7043745.D
SF50002	BH51816	S5H2541	LCS	BH51816-BS1	PEST7	P7043746.D
SF50002	BH51816	S5H2541	HVAC - Spoils	25H1532-01	PEST7	P7043758.D
SF50002	S5H2541	S5H2541	Calibration Check	S5H2541-CCV4	PEST7	P7043766.D
SF50002	S5H2541	S5H2541	Calibration Check	S5H2541-CCV5	PEST7	P7043777.D
SF50002	S5H2541	S5H2541	Performance Mix	S5H2541-PEM2	PEST7	P7043779.D
SF50002	S5H2541	S5H2541	Performance Mix	S5H2541-PEM3	PEST7	P7043810.D
SF50002	S5H2541	S5H2541	Calibration Check	S5H2541-CCV6	PEST7	P7043811.D

Initial calibration for EPA 8081B met method guidelines.

Analytical Work Order Narrative

EPA 8081B

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 8081B

All target analytes recovered within method limits

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SF50002	S5H2541	S5H2541-CCV1	P7043742.D	08/25/25 08:50
SF50002	S5H2541	S5H2541-CCV2	P7043743.D	08/25/25 09:07
SF50002	S5H2541	S5H2541-CCV3	P7043744.D	08/25/25 09:24
SF50002	S5H2541	S5H2541-CCV4	P7043766.D	08/25/25 16:31
SF50002	S5H2541	S5H2541-CCV5	P7043777.D	08/25/25 20:41
SF50002	S5H2541	S5H2541-CCV6	P7043811.D	08/26/25 08:10

The continuing calibration verification exceeded method limits for the following analytes.

Calibration	LabNumber	Analyte	Units	Result	TrueVal	REC%	Limits		File ID
SF50002	S5H2541-CCV2	Chlordane, total	ng/mL	1400	1000	**140**	80	120	P7043743.D
SF50002	S5H2541-CCV5	Decachlorobiphenyl	ng/mL	103	160	**64.6**	80	120	P7043777.D
SF50002	S5H2541-CCV5	Decachlorobiphenyl [2C]	ng/mL	105	160	**65.6**	80	120	P7043777.D

The following QC and or client samples were affected:

Calibration	Sequence	LabNumber	SampleName	Source Sample	File ID
SF50002	S5H2541	BH51816-BLK1	Blank		P7043745.D
SF50002	S5H2541	BH51816-BS1	LCS		P7043746.D

EPA 8081B

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

	Batch	Sequence	Instrument	Blank	FileID
PEST	BH51816	S5H2541	PEST7	BH51816-BLK1	P7043745.D

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
SF50002	5H2541	BH51816-BS1	LCS	P7043746.D

EPA 8081B

Dilutions:

SpecificMethod	Batch	SampleName	LabNumber	Dilution
EPA 8081B	BH51816	HVAC - Spoils	25H1532-01	5

Analytical Work Order Narrative

EPA 8081B

Internal Standards / Surrogates

Surrogate Issues:

Calibration	SampleName	LabNumber	Analyte	Rec %	Limits
SF50002	Calibration Check	S5H2541-CCV5	Decachlorobiphenyl	**64.6**	80 - 120
SF50002	Calibration Check	S5H2541-CCV5	Decachlorobiphenyl [2C]	**65.6**	80 - 120

4.0 Analysis Issues

EPA 8082A

PCB, 8082 MASTER

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SH50018

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SH50018	S5H0830	S5H0830	Secondary Cal Check	S5H0830-SCV1	GCECD6	P600434625.D
SH50018	S5H2537	S5H2537	Calibration Check	S5H2537-CCV1	GCECD6	P600435978.D
SH50018	S5H2537	S5H2537	Aroclor Reference	S5H2537-ARC1	GCECD6	P600435979.D
SH50018	BH51815	S5H2537	Blank	BH51815-BLK2	GCECD6	P600435980.D
SH50018	BH51815	S5H2537	LCS	BH51815-BS2	GCECD6	P600435981.D
SH50018	S5H2537	S5H2537	Calibration Check	S5H2537-CCV2	GCECD6	P600435990.D
SH50018	BH51815	S5H2537	HVAC - Spoils	25H1532-01	GCECD6	P600436001.D
SH50018	S5H2537	S5H2537	Calibration Check	S5H2537-CCV3	GCECD6	P600436012.D
SH50018	S5H2537	S5H2537	Calibration Check	S5H2537-CCV4	GCECD6	P600436034.D
SH50018	S5H2537	S5H2537	Calibration Check	S5H2537-CCV5	GCECD6	P600436044.D
SH50018	S5H2537	S5H2537	Calibration Check	S5H2537-CCV6	GCECD6	P600436064.D

4.0 Analysis Issues

Initial calibration for ***EPA 8082A*** ***exceeded method guidelines.***

Calibration	Intrument	Calibration Date	File ID
SH50018	GCECD6	8/8/2025 5:08:08 PM	P600434616.D

Analyte	RSD%	RSDLim	<MinRRF	RRFLim	CorrCoeff	CCOut	SIM	CAL curve
Aroclor 1221	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1221 (1)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1221 (1) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1221 (2)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1221 (2) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1221 (3)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1221 (3) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1221 [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 (1)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 (1) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 (2)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 (2) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 (3)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 (3) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 (4)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 (4) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 (5)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 (5) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 (1)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 (1) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 (2)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 (2) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 (3)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 (3) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 (4)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 (4) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 (5)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 (5) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248 (1)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248 (1) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248 (2)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248 (2) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248 (3)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248 (3) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248 (4)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248 (4) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248 (5)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248 (5) [2C]	**0.00**	20	**0.0000**	0.05				Avg

4.0 Analysis Issues

Aroclor 1248 [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 (1)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 (1) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 (2)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 (2) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 (3)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 (3) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 (4)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 (4) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 (5)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 (5) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 (1)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 (1) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 (2)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 (2) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 (3)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 (3) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 (4)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 (4) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 (5)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 (5) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 (1)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 (1) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 (2)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 (2) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 (3)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 (3) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 (4)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 (4) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 (5)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 (5) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 [2C]	**0.00**	20	**0.0000**	0.05	Avg

The following QC and or client samples were affected:

SampleName	LabNumber	SourceSample	File ID
Aroclor Reference	S5H2537-ARC1		P600435979.D
Blank	BH51815-BLK2		P600435980.D
HVAC - Spoils	25H1532-01		P600436001.D

Analytical Work Order Narrative

EPA 8082A

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 8082A

All target analytes recovered within method limits

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SH50018	S5H2537	S5H2537-CCV1	P600435978.D	08/25/25 11:25
SH50018	S5H2537	S5H2537-CCV2	P600435990.D	08/25/25 16:41
SH50018	S5H2537	S5H2537-CCV3	P600436012.D	08/25/25 21:46
SH50018	S5H2537	S5H2537-CCV4	P600436034.D	08/26/25 02:45
SH50018	S5H2537	S5H2537-CCV5	P600436044.D	08/26/25 05:01
SH50018	S5H2537	S5H2537-CCV6	P600436064.D	08/26/25 14:55

The continuing calibration verification exceeded method limits for the following analytes.

Calibration	LabNumber	Analyte	Units	Result	TrueVal	REC%	Limits		File ID
SH50018	S5H2537-CCV1	Aroclor 1016	ug/mL	1.27	1.00	**127**	80	120	P600435978.D
SH50018	S5H2537-CCV1	Aroclor 1016 (1)	ug/mL	1.30	1.00	**130**	80	120	P600435978.D
SH50018	S5H2537-CCV1	Aroclor 1016 (3)	ug/mL	1.27	1.00	**127**	80	120	P600435978.D
SH50018	S5H2537-CCV1	Aroclor 1016 (4)	ug/mL	1.29	1.00	**129**	80	120	P600435978.D
SH50018	S5H2537-CCV1	Aroclor 1016 (5)	ug/mL	1.30	1.00	**130**	80	120	P600435978.D
SH50018	S5H2537-CCV1	Aroclor 1260	ug/mL	1.26	1.00	**126**	80	120	P600435978.D
SH50018	S5H2537-CCV1	Aroclor 1260 (1)	ug/mL	1.31	1.00	**131**	80	120	P600435978.D
SH50018	S5H2537-CCV1	Aroclor 1260 (3)	ug/mL	1.28	1.00	**128**	80	120	P600435978.D
SH50018	S5H2537-CCV1	Aroclor 1260 (4)	ug/mL	1.32	1.00	**132**	80	120	P600435978.D
SH50018	S5H2537-CCV1	Aroclor 1260 (5)	ug/mL	1.22	1.00	**122**	80	120	P600435978.D
SH50018	S5H2537-CCV2	Aroclor 1016	ug/mL	1.31	1.00	**131**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1016 (1)	ug/mL	1.33	1.00	**133**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1016 (2)	ug/mL	1.24	1.00	**124**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1016 (3)	ug/mL	1.32	1.00	**132**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1016 (4)	ug/mL	1.33	1.00	**133**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1016 (5)	ug/mL	1.33	1.00	**133**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1260	ug/mL	1.28	1.00	**128**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1260 (1)	ug/mL	1.34	1.00	**134**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1260 (2)	ug/mL	1.22	1.00	**122**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1260 (3)	ug/mL	1.30	1.00	**130**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1260 (4)	ug/mL	1.34	1.00	**134**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1260 (5)	ug/mL	1.22	1.00	**122**	80	120	P600435990.D
SH50018	S5H2537-CCV3	Aroclor 1016	ug/mL	1.27	1.00	**127**	80	120	P600436012.D
SH50018	S5H2537-CCV3	Aroclor 1016 (1)	ug/mL	1.28	1.00	**128**	80	120	P600436012.D
SH50018	S5H2537-CCV3	Aroclor 1016 (2)	ug/mL	1.24	1.00	**124**	80	120	P600436012.D
SH50018	S5H2537-CCV3	Aroclor 1016 (3)	ug/mL	1.27	1.00	**127**	80	120	P600436012.D
SH50018	S5H2537-CCV3	Aroclor 1016 (4)	ug/mL	1.27	1.00	**127**	80	120	P600436012.D
SH50018	S5H2537-CCV3	Aroclor 1016 (5)	ug/mL	1.28	1.00	**128**	80	120	P600436012.D
SH50018	S5H2537-CCV3	Aroclor 1260	ug/mL	1.21	1.00	**121**	80	120	P600436012.D
SH50018	S5H2537-CCV3	Aroclor 1260 (1)	ug/mL	1.26	1.00	**126**	80	120	P600436012.D
SH50018	S5H2537-CCV3	Aroclor 1260 (3)	ug/mL	1.34	1.00	**134**	80	120	P600436012.D
SH50018	S5H2537-CCV6	Aroclor 1016	ug/mL	1.23	1.00	**123**	80	120	P600436064.D
SH50018	S5H2537-CCV6	Aroclor 1016 (1)	ug/mL	1.24	1.00	**124**	80	120	P600436064.D

SH50018	S5H2537-CCV6	Aroclor 1016 (2)	ug/mL	1.29	1.00	**129**	80	120	P600436064.D
SH50018	S5H2537-CCV6	Aroclor 1016 (4)	ug/mL	1.22	1.00	**122**	80	120	P600436064.D
SH50018	S5H2537-CCV6	Aroclor 1016 (5)	ug/mL	1.23	1.00	**123**	80	120	P600436064.D
SH50018	S5H2537-CCV6	Aroclor 1016 (1) [2C]	ug/mL	1.31	1.00	**131**	80	120	P600436064.D
SH50018	S5H2537-CCV6	Aroclor 1260 (3)	ug/mL	1.31	1.00	**131**	80	120	P600436064.D

The following QC and or client samples were affected:

Calibration	Sequence	LabNumber	SampleName	Source Sample	File ID
SH50018	S5H2537	BH51815-BLK2	Blank		P600435980.D
SH50018	S5H2537	BH51815-BS2	LCS		P600435981.D

Analytical Work Order Narrative

EPA 8082A

Batch QC

Method Blank-

	Batch	Sequence	Instrument	Blank	FileID
ARO	BH51815	S5H2537	GCECD6	BH51815-BLK2	P600435980.D

Sequence	SampleName	LabNumber	Matrix	Analyte	Result	MRL	RptUnits
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1016 (1)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1016 (2)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1016 (3)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1016 (4)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1016 (5)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1016 (1) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1016 (2) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1016 (3) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1016 (4) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1016 (5) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1221 (1)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1221 (2)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1221 (3)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1221 (1) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1221 (2) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1221 (3) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1232 (1)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1232 (2)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1232 (3)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1232 (4)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1232 (5)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1232 (1) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1232 (2) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1232 (3) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1232 (4) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1232 (5) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1242 (1)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1242 (2)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1242 (3)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1242 (4)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1242 (5)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1242 (1) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1242 (2) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1242 (3) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1242 (4) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1242 (5) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1248 (1)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1248 (2)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1248 (3)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1248 (4)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1248 (5)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1248 (1) [2C]	0.00		mg/kg wet

S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1248 (2) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1248 (3) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1248 (4) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1248 (5) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1254 (1)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1254 (2)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1254 (3)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1254 (4)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1254 (5)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1254 (1) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1254 (2) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1254 (3) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1254 (4) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1254 (5) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1260 (1)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1260 (2)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1260 (3)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1260 (4)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1260 (5)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1260 (1) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1260 (2) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1260 (3) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1260 (4) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1260 (5) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1262 (1)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1262 (2)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1262 (3)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1262 (4)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1262 (5)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1262 (1) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1262 (2) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1262 (3) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1262 (4) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1262 (5) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1268 (1)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1268 (2)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1268 (3)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1268 (4)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1268 (5)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1268 (1) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1268 (2) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1268 (3) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1268 (4) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1268 (5) [2C]	0.00	mg/kg wet

The following QC and or client samples had positive(s) in associated blanks:

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID

EPA 8082A

Dilutions: No sample dilutions were required.

EPA 8082A

Internal Standards / Surrogates

Surrogate Issues:

Calibration	SampleName	LabNumber	Analyte	Rec %	Limits
SH50018	Aroclor Reference	S5H2537-ARC1	Decachlorobiphenyl	**76.5**	-
SH50018	Aroclor Reference	S5H2537-ARC1	Decachlorobiphenyl [2C]	**83.5**	-

4.0 Analysis Issues

EPA 8151A

HERB, 8151 MASTER

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SG50010

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SG50010	S5G0605	S5G0605	Secondary Cal Check	S5G0605-SCV1	Pest#8	P8-4003665.D
SG50010	S5G0605	S5G0605	Secondary Cal Check	S5G0605-SCV2	Pest#8	P8-4003674.D
SG50010	S5H2506	S5H2506	Calibration Check	S5H2506-CCV1	Pest#8	P8-4005783.D
SG50010	S5H2506	S5H2506	Calibration Check	S5H2506-CCV2	Pest#8	P8-4005807.D
SG50010	S5H2506	S5H2506	Calibration Check	S5H2506-CCV3	Pest#8	P8-4005830.D
SG50010	BH51807	S5H2506	Blank	BH51807-BLK1	Pest#8	P8-4005849.D
SG50010	BH51807	S5H2506	LCS	BH51807-BS1	Pest#8	P8-4005850.D
SG50010	S5H2506	S5H2506	Calibration Check	S5H2506-CCV4	Pest#8	P8-4005876.D
SG50010	S5H2540	S5H2540	Calibration Check	S5H2540-CCV1	Pest#8	P8-4005893.D
SG50010	BH51807	S5H2540	HVAC - Spoils	25H1532-01	Pest#8	P8-4005901.D
SG50010	S5H2540	S5H2540	Calibration Check	S5H2540-CCV2	Pest#8	P8-4005916.D
SG50010	S5H2540	S5H2540	Calibration Check	S5H2540-CCV3	Pest#8	P8-4005942.D

Initial calibration for EPA 8151A met method guidelines.

Analytical Work Order Narrative

EPA 8151A

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 8151A

All target analytes recovered within method limits

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SG50010	S5H2506	S5H2506-CCV1	P8-4005783.D	08/24/25 13:55
SG50010	S5H2506	S5H2506-CCV2	P8-4005807.D	08/24/25 16:32
SG50010	S5H2506	S5H2506-CCV3	P8-4005830.D	08/24/25 19:02
SG50010	S5H2506	S5H2506-CCV4	P8-4005876.D	08/25/25 00:03
SG50010	S5H2540	S5H2540-CCV1	P8-4005893.D	08/25/25 11:29
SG50010	S5H2540	S5H2540-CCV2	P8-4005916.D	08/25/25 13:59
SG50010	S5H2540	S5H2540-CCV3	P8-4005942.D	08/25/25 17:01

The continuing calibration verification exceeded method limits for the following analytes.

Calibration	LabNumber	Analyte	Units	Result	TrueVal	REC%	Limits		File ID
SG50010	S5H2506-CCV4	Dinoseb	ug/mL	0.0600	0.100	**60**	80	120	P8-4005876.D
SG50010	S5H2506-CCV4	Dinoseb [2C]	ug/mL	0.0560	0.100	**56**	80	120	P8-4005876.D
SG50010	S5H2540-CCV1	2,4-DB [2C]	ug/mL	0.121	0.100	**121**	80	120	P8-4005893.D
SG50010	S5H2540-CCV1	Dinoseb [2C]	ug/mL	0.0790	0.100	**79**	80	120	P8-4005893.D
SG50010	S5H2540-CCV2	Dinoseb [2C]	ug/mL	0.0770	0.100	**77**	80	120	P8-4005916.D
SG50010	S5H2540-CCV3	Dinoseb	ug/mL	0.0670	0.100	**67**	80	120	P8-4005942.D
SG50010	S5H2540-CCV3	Dinoseb [2C]	ug/mL	0.0560	0.100	**56**	80	120	P8-4005942.D

The following QC and or client samples were affected:

Calibration	Sequence	LabNumber	SampleName	Source Sample	File ID
SG50010	S5H2506	BH51807-BLK1	Blank		P8-4005849.D
SG50010	S5H2506	BH51807-BS1	LCS		P8-4005850.D

EPA 8151A

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

	Batch	Sequence	Instrument	Blank	FileID
HERB	BH51807	S5H2506	Pest#8	BH51807-BLK1	P8-4005849.D

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
SG50010	5H2506	BH51807-BS1	LCS	P8-4005850.D

Sequence	SampleName	LabNumber	Analyte	DupRec%	Rec%	RPD%	REC Limits	RPD Limit
S5H2506	LCS	BH51807-BS1	Dinoseb		**0**		10 - 140	
S5H2506	LCS	BH51807-BS1	Dinoseb [2C]		**0**		10 - 140	

The following samples were affected:

Batch	LabNumber	SampleName	SourceSample
BH51807	BH51807-BLK1	Blank	

EPA 8151A

Dilutions: No sample dilutions were required.

EPA 8151A

Internal Standards / Surrogates

Surrogate Issues: No issues were encountered.

4.0 Analysis Issues

EPA 6010D

Metals, Target Analyte

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : Metals, Target Analyte

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
Metals, Target Analyte	S5H2703	S5H2703	Initial Cal Check	S5H2703-ICV1	ICP5900-01	QBI082625A_SOIL-006
Metals, Target Analyte	S5H2703	S5H2703	Initial Cal Blank	S5H2703-ICB1	ICP5900-01	QBI082625A_SOIL-007
Metals, Target Analyte	S5H2703	S5H2703	Instrument RL Check	S5H2703-CRL1	ICP5900-01	QBI082625A_SOIL-008
Metals, Target Analyte	S5H2703	S5H2703	Interference Check A	S5H2703-IFA1	ICP5900-01	QBI082625A_SOIL-010
Metals, Target Analyte	S5H2703	S5H2703	Interference Check B	S5H2703-IFB1	ICP5900-01	QBI082625A_SOIL-011
Metals, Target Analyte	S5H2703	S5H2703	Calibration Check	S5H2703-CCV1	ICP5900-01	QBI082625A_SOIL-012
Metals, Target Analyte	S5H2703	S5H2703	Calibration Blank	S5H2703-CCB1	ICP5900-01	QBI082625A_SOIL-013
Metals, Target Analyte	S5H2703	S5H2703	Calibration Check	S5H2703-CCVC	ICP5900-01	QBI082625A_SOIL-144
Metals, Target Analyte	S5H2703	S5H2703	Calibration Blank	S5H2703-CCBC	ICP5900-01	QBI082625A_SOIL-145
Metals, Target Analyte	BH51875	S5H2703	Blank	BH51875-BLK1	ICP5900-01	QBI082625A_SOIL-153
Metals, Target Analyte	BH51875	S5H2703	Reference	BH51875-SRM1	ICP5900-01	QBI082625A_SOIL-154
Metals, Target Analyte	S5H2703	S5H2703	Calibration Check	S5H2703-CCVD	ICP5900-01	QBI082625A_SOIL-156
Metals, Target Analyte	S5H2703	S5H2703	Calibration Blank	S5H2703-CCBD	ICP5900-01	QBI082625A_SOIL-157
Metals, Target Analyte	S5H2703	S5H2703	Calibration Check	S5H2703-CCVE	ICP5900-01	QBI082625A_SOIL-168
Metals, Target Analyte	S5H2703	S5H2703	Calibration Blank	S5H2703-CCBE	ICP5900-01	QBI082625A_SOIL-169
Metals, Target Analyte	BH51875	S5H2703	HVAC - Spoils	25H1532-01	ICP5900-01	QBI082625A_SOIL-178
Metals, Target Analyte	BH51875	S5H2703	HVAC - SpoilsDUP1	BH51875-DUP1	ICP5900-01	QBI082625A_SOIL-179
Metals, Target Analyte	S5H2703	S5H2703	Calibration Check	S5H2703-CCVF	ICP5900-01	QBI082625A_SOIL-180
Metals, Target Analyte	S5H2703	S5H2703	Calibration Blank	S5H2703-CCBF	ICP5900-01	QBI082625A_SOIL-181
Metals, Target Analyte	BH51875	S5H2703	HVAC - SpoilsMS1	BH51875-MS1	ICP5900-01	QBI082625A_SOIL-182
Metals, Target Analyte	BH51875	S5H2703	Post Spike	BH51875-PS1	ICP5900-01	QBI082625A_SOIL-183
Metals, Target Analyte	S5H2703	S5H2703	Serial Dilution	S5H2703-SRD1	ICP5900-01	QBI082625A_SOIL-184
Metals, Target Analyte	S5H2703	S5H2703	Calibration Check	S5H2703-CCVG	ICP5900-01	QBI082625A_SOIL-188
Metals, Target Analyte	S5H2703	S5H2703	Calibration Blank	S5H2703-CCBG	ICP5900-01	QBI082625A_SOIL-189
Metals, Target Analyte	S5H2703	S5H2703	Calibration Check	S5H2703-CCVH	ICP5900-01	QBI082625A_SOIL-200
Metals, Target Analyte	S5H2703	S5H2703	Calibration Blank	S5H2703-CCBH	ICP5900-01	QBI082625A_SOIL-201
Metals, Target Analyte	S5H2703	S5H2703	Calibration Check	S5H2703-CCVI	ICP5900-01	QBI082625A_SOIL-210
Metals, Target Analyte	S5H2703	S5H2703	Calibration Blank	S5H2703-CCBI	ICP5900-01	QBI082625A_SOIL-211
Metals, Target Analyte	S5H2703	S5H2703	Calibration Check	S5H2703-CCVJ	ICP5900-01	QBI082625A_SOIL-218
Metals, Target Analyte	S5H2703	S5H2703	Calibration Blank	S5H2703-CCBJ	ICP5900-01	QBI082625A_SOIL-219

4.0 Analysis Issues

Initial calibration for ***EPA 6010D*** ***met method guidelines.***

EPA 6010D

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 6010D
All target analytes recovered within method limits

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
Metals, Target Analyte	S5H2703	S5H2703-CCV1	QBI082625A_SOIL-012	08/26/25 10:40
Metals, Target Analyte	S5H2703	S5H2703-CCVC	QBI082625A_SOIL-144	08/26/25 14:21
Metals, Target Analyte	S5H2703	S5H2703-CCVD	QBI082625A_SOIL-156	08/26/25 14:42
Metals, Target Analyte	S5H2703	S5H2703-CCVE	QBI082625A_SOIL-168	08/26/25 15:01
Metals, Target Analyte	S5H2703	S5H2703-CCVF	QBI082625A_SOIL-180	08/26/25 15:19
Metals, Target Analyte	S5H2703	S5H2703-CCVG	QBI082625A_SOIL-188	08/26/25 15:32
Metals, Target Analyte	S5H2703	S5H2703-CCVH	QBI082625A_SOIL-200	08/26/25 15:51
Metals, Target Analyte	S5H2703	S5H2703-CCVI	QBI082625A_SOIL-210	08/26/25 16:07
Metals, Target Analyte	S5H2703	S5H2703-CCVJ	QBI082625A_SOIL-218	08/26/25 16:20
Metals, Target Analyte	S5H2703	S5H2703-ICV1	QBI082625A_SOIL-006	08/26/25 10:16

The continuing calibration verification exceeded method limits for the following analytes.

Calibration	LabNumber	Analyte	Units	Result	TrueVal	REC%	Limits		File ID
Metals, Target Analyte	S5H2703-CCVE	Selenium	ug/mL	0.564	0.500	**113**	90	110	QBI082625A_SOIL-168
Metals, Target Analyte	S5H2703-CCVH	Selenium	ug/mL	0.571	0.500	**114**	90	110	QBI082625A_SOIL-200

The following QC and or client samples were affected:

Calibration	Sequence	LabNumber	SampleName	Source Sample	File ID
Metals, Target An	S5H2703	S5H2703-IFB1	Interference Check B		QBI082625A_SOIL-011
Metals, Target An	S5H2703	S5H2703-CCB1	Calibration Blank		QBI082625A_SOIL-013
Metals, Target An	S5H2703	BH51875-SRM1	Reference		QBI082625A_SOIL-154
Metals, Target An	S5H2703	S5H2703-CCBE	Calibration Blank		QBI082625A_SOIL-169
Metals, Target An	S5H2703	BH51875-MS1	Matrix Spike	HVAC - Spoils	QBI082625A_SOIL-182
Metals, Target An	S5H2703	BH51875-PS1	Post Spike	HVAC - Spoils	QBI082625A_SOIL-183

Analytical Work Order Narrative

EPA 6010D

Batch QC

Method Blank-

	Batch	Sequence	Instrument	Blank	FileID
METALS	BH51875	S5H2703	ICP5900-01	BH51875-BLK1	QBI082625A_SOIL-153

Sequence	SampleName	LabNumber	Matrix	Analyte	Result	MRL	RptUnits
S5H2703	Blank	BH51875-BLK1	Soil	Calcium	5.67	4.17	mg/kg wet

The following QC and or client samples had positive(s) in associated blanks:

Batch	LabNumber	SampleName	File ID
BH51875	25H1532-01	HVAC - Spoils	QBI082625A_SOIL-178
BH51875	BH51875-DUP1	Duplicate	QBI082625A_SOIL-179
BH51875	BH51875-MS1	Matrix Spike	QBI082625A_SOIL-182
BH51875	BH51875-PS1	Post Spike	QBI082625A_SOIL-183
BH51875	BH51875-SRM1	Reference	QBI082625A_SOIL-154

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
Metals, Target Analyte	5H2703	BH51875-SRM1	Reference	QBI082625A_SOIL-154

EPA 6010D

Matrix Spike, Matrix Spike Duplicate and/or Sample Duplicate-

MS/MSD/Duplicate analysis was performed on sample;

AnaClass	Cal	Batch	Sequence	SampleName	Sample	SourceSample	LabNumber
METALS	**Metals, Target**	BH51875	S5H2703	HVAC - SpoilsDUP1	25H1532-01	HVAC - Spoils	BH51875-DUP1
METALS	**Metals, Target**	BH51875	S5H2703	HVAC - SpoilsMS1	25H1532-01	HVAC - Spoils	BH51875-MS1

Sequence	SourceSample	LabNumber	Analyte	Units	DupRec%	Rec%	RPD	Limits	RPD Lim
S5H2703	HVAC - Spoils	BH51875-MS1	Aluminum	mg/kg dry		-1480		75 - 125	
S5H2703	HVAC - Spoils	BH51875-MS1	Antimony	mg/kg dry		37.4		75 - 125	
S5H2703	HVAC - Spoils	BH51875-MS1	Calcium	mg/kg dry		-19400		75 - 125	
S5H2703	HVAC - Spoils	BH51875-MS1	Chromium	mg/kg dry		64.9		75 - 125	
S5H2703	HVAC - Spoils	BH51875-MS1	Iron	mg/kg dry		-5540		75 - 125	
S5H2703	HVAC - Spoils	BH51875-MS1	Magnesium	mg/kg dry		-2350		75 - 125	
S5H2703	HVAC - Spoils	BH51875-MS1	Manganese	mg/kg dry		-92.1		75 - 125	
S5H2703	HVAC - Spoils	BH51875-MS1	Potassium	mg/kg dry		-833		75 - 125	
S5H2703	HVAC - Spoils	BH51875-MS1	Sodium	mg/kg dry		-71.8		75 - 125	
S5H2703	HVAC - Spoils	BH51875-MS1	Zinc	mg/kg dry		60.1		75 - 125	

RPD Report

Sequence	SampleName	SampleNumber	LabNumber	Analyte	RPD	RPDLimit	AnalyteNotes
S5H2703	HVAC - SpoilsDUP1	25H1532-01	BH51875-DUP1	Calcium	82.9	35	B

Dilutions: No sample dilutions were required.

Analytical Work Order Narrative

EPA 6010D

Internal Standards / Surrogates

Internal Standards Issues: No issues were encountered.

4.0 Analysis Issues

EPA 7473

Mercury by 7473

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : Mercury by 7473

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
Mercury by 7473	S5H2018	S5H2018	Calibration Blank	S5H2018-CCB6	DMA 80-01	QBHG DMA 08252025A
Mercury by 7473	S5H2018	S5H2018	Calibration Blank	S5H2018-CCB7	DMA 80-01	QBHG DMA 08252025A
Mercury by 7473	S5H2018	S5H2018	Calibration Check	S5H2018-CCV6	DMA 80-01	QBHG DMA 08252025A
Mercury by 7473	S5H2018	S5H2018	Calibration Check	S5H2018-CCV7	DMA 80-01	QBHG DMA 08252025A
Mercury by 7473	BH51770	S5H2018	HVAC - Spoils	25H1532-01	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	BH51770	S5H2018	Blank	BH51770-BLK1	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	BH51770	S5H2018	Reference	BH51770-SRM1	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Calibration Blank	S5H2018-CCB1	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Calibration Blank	S5H2018-CCB2	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Calibration Blank	S5H2018-CCB3	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Calibration Blank	S5H2018-CCB4	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Calibration Blank	S5H2018-CCB5	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Calibration Check	S5H2018-CCV1	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Calibration Check	S5H2018-CCV2	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Calibration Check	S5H2018-CCV3	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Calibration Check	S5H2018-CCV4	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Calibration Check	S5H2018-CCV5	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	High Cal Check	S5H2018-HCV1	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Low Cal Check	S5H2018-LCV1	DMA 80-01	QBHg-DMA80-01 082025A_soil

Initial calibration for EPA 7473 met method guidelines.

Analytical Work Order Narrative

EPA 7473

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 7473

All target analytes recovered within method limits

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
Mercury by 7473	S5H2018	S5H2018-CCV1	QBHg-DMA80-01 082025A	08/20/25 14:52
Mercury by 7473	S5H2018	S5H2018-CCV2	QBHg-DMA80-01 082025A	08/20/25 14:52
Mercury by 7473	S5H2018	S5H2018-CCV3	QBHg-DMA80-01 082025A	08/22/25 12:38
Mercury by 7473	S5H2018	S5H2018-CCV4	QBHg-DMA80-01 082025A	08/22/25 12:38
Mercury by 7473	S5H2018	S5H2018-CCV5	QBHg-DMA80-01 082025A	08/22/25 15:14
Mercury by 7473	S5H2018	S5H2018-CCV6	QBHG DMA 08252025A	08/25/25 15:21
Mercury by 7473	S5H2018	S5H2018-CCV7	QBHG DMA 08252025A	08/25/25 15:21

The continuing calibration verification recovered within method limits.

EPA 7473

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

	Batch	Sequence	Instrument	Blank	FileID
HG	BH51770	S5H2018	DMA 80-01	BH51770-BLK1	QBHg-DMA80-01 082025A_soil

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
Mercury by 7473	5H2018	BH51770-SRM1	Reference	QBHg-DMA80-01 082025A_soil

EPA 7473

Dilutions: No sample dilutions were required.

4.0 Analysis Issues

EPA 170.1

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

EPA 170.1

Dilutions: No sample dilutions were required.

4.0 Analysis Issues

EPA 9045D

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

EPA 9045D

Dilutions: No sample dilutions were required.

4.0 Analysis Issues

EPA SW-846 Ch.7.3.

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

EPA SW-846 Ch.7.3.3

Dilutions: No sample dilutions were required.

4.0 Analysis Issues

EPA SW-846 Ch.7.3.

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

EPA SW-846 Ch.7.3.4

Dilutions: No sample dilutions were required.

4.0 Analysis Issues

SM 2510B m

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
none		BH51919-BS1	LCS	

SM 2510B m

Dilutions: No sample dilutions were required.

4.0 Analysis Issues

SW 846 1030

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

SW 846 1030

Dilutions: No sample dilutions were required.

Analytical Laboratories, Inc.
Formulae Used for Sample Calculations

1. Volatiles in Air-ppbv

Cx (ppbv) = Compound concentration, ppbv (parts per billion by volume)

$$Cx = \frac{(Ax)(Cis)(DF)}{(Ais)(RRF)}$$

2. Volatiles in Air-ug/m³

Cx (ug/m³)= Compound concentration in ug/m³

$$Cx\ (ug/m^3) = \frac{(ppbv \times Molecular\ wt.)}{(24.45)}$$

3. Volatile Organics (water and soil), ug/L or ug/kg

Soils/Waters

$$Cx = \frac{(Ax)(IS)(DF)}{(Ais)(RRF)(V)(\%\ solids)}$$

Medium Level Soils

$$Cx = \frac{(Ax)(IS)(VT)(1000)(DF)}{(Ais)(RRF)(VA)(V)(\%\ solids)}$$

4. Semi-Volatiles (waters and soils)

$$Cx = \frac{(Ax)(IS)(VE)(DF)}{(Ais)(RRF)(Volume\ injected,\ uL)(V)(\%\ solids)}$$

5. Pesticides/PCB (waters and soils), DRO, CTETPH

$$Cx = \frac{(Ax)(VE)(DF)}{(CF)(Volume\ injected,\ uL)(V)(\%\ solids)}$$

WHERE:
Cx = concentration of analyte as ug/L or ug/kg
Ax = Area of the characteristic ion for the compound to be measured, counts.
Ais = Area of the characteristic ion for the specific internal standard, counts.
IS = Concentration of the internal standard spiking mixture, ng
RRF = Mean relative response factor from the initial calibration.
DF = Dilution factor calculated as described in section 2. If no dilution is performed, DF= 1
V = Volume for liquids in mL, weight for soils/solids in grams.
VA = volume of MeOH aliquot for medium level soils
VE = final volume of concentrated extract
VT = volume of MeOH for volatiles medium level soils
CF = calibration factor for external calibration used in GC pest/pcb
Cis = Concentration of the internal standard spiking mixture, ppbv

Analytical Batch Summary

Batch ID: BH51730	Preparation Method: EPA 5035A	Prepared By: PMB
Sample ID	**Client Sample ID**	**Preparation Date**
25H1532-01	HVAC - Spoils	08/22/25
BH51730-BLK1	Blank	08/22/25
BH51730-BS1	LCS	08/22/25
BH51730-BSD1	LCS Dup	08/22/25

Batch ID: BH51754	Preparation Method: EPA 5035A	Prepared By: PMB
Sample ID	**Client Sample ID**	**Preparation Date**
25H1532-01	HVAC - Spoils	08/22/25
BH51754-BLK1	Blank	08/22/25
BH51754-SRM1	Reference	08/22/25

Batch ID: BH51770	Preparation Method: EPA 7473 soil	Prepared By: JWT
Sample ID	**Client Sample ID**	**Preparation Date**
25H1532-01	HVAC - Spoils	08/22/25
BH51770-BLK1	Blank	08/22/25
BH51770-SRM1	Reference	08/22/25

Batch ID: BH51804	Preparation Method: EPA 3550C	Prepared By: FA
Sample ID	**Client Sample ID**	**Preparation Date**
25H1532-01	HVAC - Spoils	08/23/25
BH51804-BLK1	Blank	08/23/25
BH51804-BS1	LCS	08/23/25

Batch ID: BH51807	Preparation Method: EPA 3550C/8151A	Prepared By: JM
Sample ID	**Client Sample ID**	**Preparation Date**
25H1532-01	HVAC - Spoils	08/23/25
BH51807-BLK1	Blank	08/23/25
BH51807-BS1	LCS	08/23/25

Batch ID: BH51815	Preparation Method: EPA 3550C	Prepared By: AJF
Sample ID	**Client Sample ID**	**Preparation Date**
25H1532-01	HVAC - Spoils	08/24/25
BH51815-BLK2	Blank	08/24/25
BH51815-BS2	LCS	08/24/25

Batch ID: BH51816	Preparation Method: EPA 3550C	Prepared By: AJF
Sample ID	**Client Sample ID**	**Preparation Date**
25H1532-01	HVAC - Spoils	08/23/25
BH51816-BLK1	Blank	08/24/25
BH51816-BS1	LCS	08/24/25

Batch ID: BH51830	Preparation Method: % Solids Prep	Prepared By: SMM
Sample ID	**Client Sample ID**	**Preparation Date**
25H1532-01	HVAC - Spoils	08/25/25

Batch ID: BH51850	Preparation Method: Analysis Preparation	Prepared By: TAJ
Sample ID	**Client Sample ID**	**Preparation Date**
25H1532-01	HVAC - Spoils	08/25/25

Batch ID: BH51875	Preparation Method: EPA 3050B	Prepared By: KMQ
Sample ID	**Client Sample ID**	**Preparation Date**
25H1532-01	HVAC - Spoils	08/25/25
BH51875-BLK1	Blank	08/25/25
BH51875-DUP1	Duplicate	08/25/25
BH51875-MS1	Matrix Spike	08/25/25
BH51875-PS1	Post Spike	08/25/25
BH51875-SRM1	Reference	08/25/25

Batch ID: BH51919	Preparation Method: Analysis Preparation	Prepared By: SMM
Sample ID	**Client Sample ID**	**Preparation Date**
25H1532-01	HVAC - Spoils	08/26/25
BH51919-BLK1	Blank	08/26/25
BH51919-BS1	LCS	08/26/25
BH51919-DUP1	Duplicate	08/26/25

Batch ID: BH51928	Preparation Method: EPA 3550C	Prepared By: AJF
Sample ID	**Client Sample ID**	**Preparation Date**
25H1532-01	HVAC - Spoils	08/26/25
BH51928-BLK1	Blank	08/26/25
BH51928-BS1	LCS	08/26/25

Batch ID: BH51930	Preparation Method: EPA 3550C	Prepared By: FA
Sample ID	**Client Sample ID**	**Preparation Date**
25H1532-01	HVAC - Spoils	08/26/25
BH51930-BLK1	Blank	08/26/25
BH51930-BS1	LCS	08/26/25

Batch ID: BH52000	Preparation Method: Analysis Preparation	Prepared By: SMM
Sample ID	**Client Sample ID**	**Preparation Date**
25H1532-01	HVAC - Spoils	08/27/25

Batch ID: BH52030	Preparation Method: Analysis Preparation	Prepared By: LJM
Sample ID	**Client Sample ID**	**Preparation Date**
25H1532-01	HVAC - Spoils	08/27/25
BH52030-BLK1	Blank	08/27/25

Batch ID: BH52031	**Preparation Method:** Analysis Preparation	**Prepared By:** LJM
Sample ID	**Client Sample ID**	**Preparation Date**
25H1532-01	HVAC - Spoils	08/27/25
BH52031-BLK1	Blank	08/27/25

Batch ID: BI50372	**Preparation Method:** EPA 1633 Prep	**Prepared By:** JBG
Sample ID	**Client Sample ID**	**Preparation Date**
25H1532-01RE1	HVAC - Spoils	09/06/25
BI50372-BLK1	Blank	09/06/25
BI50372-BS1	LCS	09/06/25
BI50372-BS2	LCS	09/06/25

HOLDING TIME SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2

extracted within 90-days HT for solids - no qual

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC - Spoils	08/20/25	08/21/25	90.00	09/06/25	11/18/25	90.00	09/07/25	12/05/25	
HVAC - Spoils	08/20/25	08/21/25	3.00	09/06/25	08/23/25	90.00	09/07/25	12/05/25	*

HOLDING TIME SUMMARY

EPA 170.1

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC - Spoils	08/20/25 13:07	08/21/25 17:55	0.05	08/27/25 06:18	08/20/25 14:19		08/27/25 13:30		*

HOLDING TIME SUMMARY

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC - Spoils	08/20/25	08/21/25	180.00	08/25/25	02/16/26		08/26/25		

HOLDING TIME SUMMARY

EPA 7473

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC - Spoils	08/20/25 13:07	08/21/25 17:55	28.00	08/22/25 11:45	09/17/25 13:07		08/22/25 15:14		

HOLDING TIME SUMMARY

EPA 8015D

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC - Spoils	08/20/25	08/21/25	14.00	08/22/25	09/03/25		08/25/25		
HVAC - Spoils	08/20/25	08/21/25	14.00	08/26/25	09/03/25	40.00	08/26/25	10/05/25	

HOLDING TIME SUMMARY

EPA 8081B

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC - Spoils	08/20/25	08/21/25	14.00	08/23/25	09/03/25	40.00	08/25/25	10/02/25	

HOLDING TIME SUMMARY

EPA 8082A

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC - Spoils	08/20/25	08/21/25	14.00	08/24/25	09/03/25	40.00	08/25/25	10/03/25	

HOLDING TIME SUMMARY

EPA 8151A

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC - Spoils	08/20/25	08/21/25	14.00	08/23/25	09/03/25	40.00	08/25/25	10/02/25	

HOLDING TIME SUMMARY

EPA 8260D

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC - Spoils	08/20/25	08/21/25	14.00	08/22/25	09/03/25		08/22/25		

HOLDING TIME SUMMARY

EPA 8270E

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC - Spoils	08/20/25	08/21/25	14.00	08/26/25	09/03/25	40.00	08/28/25	10/05/25	

HOLDING TIME SUMMARY

EPA 8270E SIM

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC - Spoils	08/20/25	08/21/25	14.00	08/23/25	09/03/25	40.00	08/26/25	10/02/25	

HOLDING TIME SUMMARY

EPA 9045D

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC - Spoils	08/20/25 13:07	08/21/25 17:55	0.05	08/27/25 06:18	08/20/25 14:19		08/27/25 13:30		*

HOLDING TIME SUMMARY

EPA SW-846 Ch.7.3.3

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC - Spoils	08/20/25	08/21/25	60.00	08/27/25	10/19/25	60.00	08/27/25	10/19/25	

HOLDING TIME SUMMARY

EPA SW-846 Ch.7.3.4

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC - Spoils	08/20/25	08/21/25	60.00	08/27/25	10/19/25	60.00	08/27/25	10/19/25	

HOLDING TIME SUMMARY

SM 2510B m

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC - Spoils	08/20/25 13:07	08/21/25 17:55	28.00	08/26/25 07:52	09/17/25 13:07		08/26/25 08:55		

HOLDING TIME SUMMARY

SM 2540G

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC - Spoils	08/20/25	08/21/25	7.00	08/25/25	08/27/25		08/25/25		

HOLDING TIME SUMMARY

SW 846 1030

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC - Spoils	08/20/25	08/21/25	60.00	08/25/25	10/19/25	10.00	08/25/25	09/04/25	

Definitions and Other Explanations

Summary of Non-Conformance and Data Qualifiers Related

this Work Order: 25H1532

IGN-01	Non-Ignit.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CCVH	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
CCVL	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased low.
HT-NFD	NFDHA was extracted outside of the 3-day holding time established by 1633A. NFDHA is not a regulated analyte, and does not have a toxicity factor or corresponding EPA Regional Screening Level. These results should not impact data usability
/\	Analyte is not certified but the state of sample origination offer certification for the Analyte
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
Z-01	TEMPERATURE RECORDED AT TIME OF pH ANALYSIS
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
PF-CCV-L	The CCV recovery for this PFAS compound was below control limits.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
S-08	The recovery of this surrogate was outside of QC limits.
S-HI	Surrogate recovery is above acceptance limits. No target compound is detected in sample.
HT-pH	HOLDING TIME EXCEEDED. Samples for pH must be measured in the field or within 15 minutes of sample collection.

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
MCL	MAXIMUM CONTAMINANT LEVEL for drinking water, which is the highest level of a contaminant allowed in public water systems. These are legally enforceable health-based standards set by the U.S. Environmental Protection Agency (EPA) to protect public health from contaminants in drinking water.
Secondary MCL	SECONDARY MCL (Maximum Contaminant Level) is a non-enforceable guideline for contaminants in drinking water that affect aesthetic qualities like taste, odor, and color, or that cause cosmetic effects like staining. These are intended to protect public welfare and are not based on direct health effects, though states can choose to make them mandatory.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported

Definitions and Other Explanations (Continued)

RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, ALS reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Positive Hits Included in This Report

Work Order No: 25H1532

Parameter	Result	Flag	MDL	RL	Units	Specific Method	Analyzed
25H1532-01 - HVAC - Spoils							
Perfluorooctanesulfonic acid (PFOS)	0.376		0.0785	0.208	ug/kg dry	EPA 1633A	09/07/25 22:23
* Temperature	21.6	Z-01	1.00	1.00	°C	EPA 170.1	08/27/25 13:30
Aluminum	11100		4.71	4.71	mg/kg dry	EPA 6010D	08/26/25 15:16
Arsenic	2.33		1.41	1.41	mg/kg dry	EPA 6010D	08/26/25 15:16
Barium	76.9		2.35	2.35	mg/kg dry	EPA 6010D	08/26/25 15:16
Calcium	26500	B	4.71	4.71	mg/kg dry	EPA 6010D	08/26/25 15:16
Chromium	21.1		0.471	0.471	mg/kg dry	EPA 6010D	08/26/25 15:16
Cobalt	8.18		0.376	0.376	mg/kg dry	EPA 6010D	08/26/25 15:16
Copper	22.1		1.88	1.88	mg/kg dry	EPA 6010D	08/26/25 15:16
Iron	17900		23.5	23.5	mg/kg dry	EPA 6010D	08/26/25 15:16
Lead	10.5		0.471	0.471	mg/kg dry	EPA 6010D	08/26/25 15:16
Magnesium	6270		4.71	4.71	mg/kg dry	EPA 6010D	08/26/25 15:16
Manganese	328		0.471	0.471	mg/kg dry	EPA 6010D	08/26/25 15:16
Nickel	14.8		0.938	0.938	mg/kg dry	EPA 6010D	08/26/25 15:16
Potassium	2910		4.71	4.71	mg/kg dry	EPA 6010D	08/26/25 15:16
Sodium	407		47.1	47.1	mg/kg dry	EPA 6010D	08/26/25 15:16
Vanadium	31.0		0.938	0.938	mg/kg dry	EPA 6010D	08/26/25 15:16
Zinc	48.5		2.34	2.34	mg/kg dry	EPA 6010D	08/26/25 15:16
Total Petroleum Hydrocarbons-DRO	62.8		3.73	11.0	mg/kg dry	EPA 8015D	08/26/25 18:21
Acetone	0.049	QL-02, CCVE	0.0041	0.0082	mg/kg dry	EPA 8260D	08/22/25 17:35
Carbon disulfide	0.0025	J	0.0020	0.0041	mg/kg dry	EPA 8260D	08/22/25 17:35
2-Methylnaphthalene	0.166		0.0466	0.0930	mg/kg dry	EPA 8270E	08/28/25 1:13
Acenaphthylene	0.0929	J	0.0466	0.0930	mg/kg dry	EPA 8270E	08/28/25 1:13
Anthracene	0.124		0.0466	0.0930	mg/kg dry	EPA 8270E	08/28/25 1:13
Benzo(a)anthracene	0.316		0.0466	0.0930	mg/kg dry	EPA 8270E	08/28/25 1:13
Benzo(a)pyrene	0.259		0.0466	0.0930	mg/kg dry	EPA 8270E	08/28/25 1:13
Benzo(b)fluoranthene	0.177		0.0466	0.0930	mg/kg dry	EPA 8270E	08/28/25 1:13
Benzo(g,h,i)perylene	0.200		0.0466	0.0930	mg/kg dry	EPA 8270E	08/28/25 1:13
Benzo(k)fluoranthene	0.187		0.0466	0.0930	mg/kg dry	EPA 8270E	08/28/25 1:13
Bis(2-ethylhexyl)phthalate	0.0780	J	0.0466	0.0930	mg/kg dry	EPA 8270E	08/28/25 1:13
Chrysene	0.343		0.0466	0.0930	mg/kg dry	EPA 8270E	08/28/25 1:13
Dibenzo(a,h)anthracene	0.0468	J	0.0466	0.0930	mg/kg dry	EPA 8270E	08/28/25 1:13
Fluoranthene	0.418		0.0466	0.0930	mg/kg dry	EPA 8270E	08/28/25 1:13
Fluorene	0.0587	J	0.0466	0.0930	mg/kg dry	EPA 8270E	08/28/25 1:13
Indeno(1,2,3-cd)pyrene	0.111		0.0466	0.0930	mg/kg dry	EPA 8270E	08/28/25 1:13
Naphthalene	0.227		0.0466	0.0930	mg/kg dry	EPA 8270E	08/28/25 1:13
N-Nitrosodiphenylamine	0.0491	J	0.0466	0.0930	mg/kg dry	EPA 8270E	08/28/25 1:13
Phenanthrene	0.315		0.0466	0.0930	mg/kg dry	EPA 8270E	08/28/25 1:13
Pyrene	0.823		0.0466	0.0930	mg/kg dry	EPA 8270E	08/28/25 1:13
pH	8.40	HT-pH	0.500	0.500	pH units	EPA 9045D	08/27/25 13:30
* Reactivity - Sulfide	24.0		15.0	15.0	mg/kg	EPA SW-846 Ch.7.3.4	08/27/25 13:36
* Conductivity	69.46		1.000	1.000	umhos/cm	SM 2510B m	08/26/25 8:55
* % Solids	88.5		0.100	0.100	%	SM 2540G	08/25/25 10:10

Field Chain-of-Custody Record

USA environmental

ALS' Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for ALS to proceed with the analyses requested below. Your signature binds you to ALS' Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 2161 Whitesville Rd Toms River, NJ 08755 clientservices@yorklab.com 800-306-YORK 800-306-9675

ALS Project Number: 25H1532

Page _____ of _____

Report To:	Invoice To:
Company: Terracon	Company: upload to COUPA
Address: Rocky Hill CT	Address:
Phone.:	Phone.:
Contact:	Contact:
E-mail: don.gomez@terracon.com	E-mail:

YOUR Project Name / Number: JA257006 Task 10.2

PO Number: Same as above

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

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

NOTE- expedited TAT

Samples Collected by: (print AND sign your name)

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

Preservative (please list number of containers)

Analyses Requested

Sample Identification	Date	Time	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO_3 (nitric acid)	H_2SO_4 (sulfuric acid)	NaOH (sodium hydroxide)	$Na_2S_2O_3$ (sodium thio.)	Trizma	Ammonium Acetate	Other:	PFAS 1633		VOC, TCL 8260	SVOC, TCL 8270	1,4-dioxane 8270 SIM	PCB, Pesticides	Herbicides	Metals TAL	TPH GRO/DRO	pH, Ignitability, reaction	Percent Solid: % Solids	Grab or Comp.
HVAC- Spoils	8-20-25	1307	S											✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	G/C

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

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

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

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

Field Filtered

Lab Filtered

Comments:

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

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

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

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

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

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Don	8/21/25 1755				
Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					8/21/25 1755 3.7 Degrees C

METHOD DETECTION AND REPORTING LIMITS

SM 2540G

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: Soil **Instrument:**

Analyte	LOD	LOQ	Units
% Solids	0.100	0.100	%

Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID:** **25H1532-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Miscellaneous Physical Parameters

Sample Prepared by Method: % Solids Prep

Results Reported to RL

% Solids: 88.51

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
solids	*** % Solids**	88.5		%	0.100	0.100	1	SM 2540G	08/25/2025 06:05	08/25/2025 10:10	SMM

BENCHSHEETS

SDG: 25H1532

CLASS: WET

METHOD: SM 2540G

PREPARATION BENCH SHEET-SOILS/SOLIDS: BH51830

Preparation Date: 08/25/2025 06:05

ALS Environmental - Stratford

Printed: 2/6/2026 12:43:46PM

Matrix: Soil **Preparation: % Solids Prep** **(No Surrogate)** **ul**

Lab Number	Analysis	Initial (g)	Final (g)	Spike ID	Source ID	ul Spike	Comments
25H1517-01 A	Total Solids	5	5				
25H1517-04 A	Total Solids	5	5				
25H1530-01 A	Total Solids	5	5				
25H1532-01 F	Total Solids	5	5				
25H1535-01 A	Total Solids	5	5				
25H1535-02 A	Total Solids	5	5				
25H1535-03 A	Total Solids	5	5				
25H1535-04 A	Total Solids	5	5				
25H1535-05 A	Total Solids	5	5				
25H1535-06 A	Total Solids	5	5				
25H1535-07 A	Total Solids	5	5				
25H1535-08 A	Total Solids	5	5				
25H1535-09 E	Total Solids	5	5				
25H1535-10 E	Total Solids	5	5				
25H1541-01 B	Total Solids	5	5				
25H1541-02 B	Total Solids	5	5				
25H1541-03 B	Total Solids	5	5				
25H1541-04 B	Total Solids	5	5				
25H1587-01 E	Total Solids	5	5				
25H1605-01 A	Total Solids	5	5				wet
BH51830-BLK1	QC	5	5				
BH51830-DUP1	QC	5	5		25H1535-09		

Reagents:

ID Number	Description	Lot Number	ID Number	Description	Lot Number

Preparations Performed by SMM **Date:** 08/25/2025 06:05

Instrument **NA**

Batch: BH51830 Analyzed Date: 8/25/2025

Analyst: SMM Analyzed Time: 10:10

SAMP	QC Source	Tare Wt(g)	Initial Wt(g)	Final Wt(g)	%Solids
25H1517-01		1.3225	3.1566	3.0598	94.72220708
25H1517-04		1.3187	6.8677	6.434	92.18417733
25H1530-01		1.3179	5.214	5.137	98.02366469
25H1532-01		1.3357	9.5426	8.5999	88.51332415
25H1535-01		1.3166	7.6935	7.0766	90.32602048
25H1535-02		1.3201	12.3334	11.2691	90.33622983
25H1535-03		1.3089	5.7142	5.3325	91.33543686
25H1535-04		1.03134	6.918	6.3656	90.61607091
25H1535-05		1.3304	9.6139	8.7539	89.61791513
25H1535-06		1.3202	9.1488	8.5616	92.49929745
25H1535-07		1.329	7.0677	6.5925	91.71937895
25H1535-08		1.3241	8.7889	7.9998	89.42905369
25H1535-09		1.207	11.239	10.386	91.49720893
BH51830-DUP1	Duplicate 25H1535-09	1.3103	9.3038	8.5528	90.60486645
25H1535-10		1.3319	8.4729	7.6785	88.87550763
25H1541-01		1.3334	8.8036	8.2476	92.55709352
25H1541-02		1.3271	9.4547	8.8708	92.81583739
25H1541-03		1.3205	7.4636	6.7817	88.89974117
25H1541-04		1.3284	15.2564	13.0868	84.42274555
25H1587-01		1.3079	13.8943	12.8369	91.59886862
25H1605-01		1.3154	14.4889	10.29413	68.15751319

Analysis: Total Solids
SM 2540B

Batch: BH51830

Oven Temp: 104°

Analyst: AM
Analyzed Date: 8/25/25
Analyzed Time: 10:10 SH

SAMP	QC Source	Tare Wt(g)	Initial Wt(g)	Final Wt(g)
25H1517-01		1.3225	3.1566	3.0598
25H1517-04		1.3187	6.8677	6.4340
25H1530-01		1.3179	5.2140	5.1370
25H1532-01		1.3357	9.5426	8.5999
25H1535-01		1.3166	7.6935	7.0766
25H1535-02		1.3201	12.3334	11.2691
25H1535-03		1.3089	5.7142	5.3325
25H1535-04		1.3134	6.9180	6.3656
25H1535-05		1.3304	9.6139	8.7539
25H1535-06		1.3202	9.1488	8.5616
25H1535-07		1.3290	7.0677	6.5925
25H1535-08		1.3241	8.7889	7.9998
25H1535-09		1.3207	11.2390	10.3860
BH51830-DUP1	Duplicate 25H1535-09	1.3103	9.3038	8.5528
25H1535-10		1.3319	8.4729	7.6785
25H1541-01		1.3334	8.8036	8.2476
25H1541-02		1.3271	9.4547	8.8708
25H1541-03		1.3205	7.4636	6.7817
25H1541-04		1.3284	15.2564	13.0868
25H1587-01		1.3079	13.8943	12.8369
25H1605-01 W		1.3154	14.4889	10.2941

Analysis: Total Solids
SM 2540B

Batch:



Oven Temp: 104°

Analyst: SM

Analyzed Date: 8/25/25

Analyzed Time: 10:10 SH

SAMP	QC Source	Tare Wt(g)	Initial Wt(g)	Final Wt(g)
25H1517-01		1.3225	3.1566	3.0598
25H1517-04		1.3187	6.8677	6.4340
25H1530-01		1.3179	5.2140	5.1370
25H1532-01		1.3357	9.5426	8.5999
25H1535-01		1.3166	7.6935	7.0766
25H1535-02		1.3201	12.3334	11.2691
25H1535-03		1.3089	5.7142	5.3325
25H1535-04		1.3134	6.9180	6.3656
25H1535-05		1.3304	9.6139	8.7539
25H1535-06		1.3202	9.1488	8.5616
25H1535-07		1.3290	7.0677	6.5925
25H1535-08		1.3241	8.7889	7.9998
25H1535-09		1.3207	11.2390	10.3860
BH51830-DUP1	Duplicate 25H1535-09	1.3103	9.3038	8.5528
25H1535-10		1.3319	8.4729	7.6785
25H1541-01		1.3334	8.8036	8.2476
25H1541-02		1.3271	9.4547	8.8708
25H1541-03		1.3205	7.4636	6.7817
25H1541-04		1.3284	15.2564	13.0868
25H1587-01		1.3079	13.8943	12.8369
25H1605-01 W		1.3154	14.4889	10.2941

Analysis: Ignitability **Batch:** BH51850

EPA SW 846 Ch7

Analyst: TAJ

Analyzed Date: Aug 25 2025

Analyzed Time: 1000

Sample ID	QC Source	Matrix	Ignite? Y/N
25H1438-02		So:l	N
25H1517-02		↓	N
25H1530-01			N
25H1532-01			N
25H1547-01			N
25H1557-06			N
25H1601-12			N

METHOD DETECTION AND REPORTING LIMITS

EPA 8082A

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: Soil **Instrument:** GCECD6

Analyte	LOD	LOQ	Units
Aroclor 1016	0.0167	0.0167	mg/kg
Aroclor 1016 [2C]	0.0167	0.0167	mg/kg
Aroclor 1221	0.0167	0.0167	mg/kg
Aroclor 1221 [2C]	0.0167	0.0167	mg/kg
Aroclor 1232	0.0167	0.0167	mg/kg
Aroclor 1232 [2C]	0.0167	0.0167	mg/kg
Aroclor 1242	0.0167	0.0167	mg/kg
Aroclor 1242 [2C]	0.0167	0.0167	mg/kg
Aroclor 1248	0.0167	0.0167	mg/kg
Aroclor 1248 [2C]	0.0167	0.0167	mg/kg
Aroclor 1254	0.0167	0.0167	mg/kg
Aroclor 1254 [2C]	0.0167	0.0167	mg/kg
Aroclor 1260	0.0167	0.0167	mg/kg
Aroclor 1260 [2C]	0.0167	0.0167	mg/kg
Aroclor 1262	0.0167	0.0167	mg/kg
Aroclor 1262 [2C]	0.0167	0.0167	mg/kg
Aroclor 1268	0.0167	0.0167	mg/kg
Aroclor 1268 [2C]	0.0167	0.0167	mg/kg
Total PCBs	0.0167	0.0167	mg/kg
Total PCBs [2C]	0.0167	0.0167	mg/kg



Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID: 25H1532-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Polychlorinated Biphenyls by GC/ECD

Sample Prepared by Method: EPA 3550C

Results Reported to RL

% Solids: 88.51

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:17	SCB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:17	SCB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:17	SCB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:17	SCB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:17	SCB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:17	SCB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:17	SCB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:17	SCB
2051-24-3	*Surrogate: Decachlorobiphenyl*	*64.0 %*			*30-120*					
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*97.0 %*			*30-120*					

SECOND COLUMN ANALYSIS DATA SHEET

HVAC - Spoils

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	25H1532-01	File ID:	P600436001.D
Sampled:	08/20/25 13:07	Prepared:	08/24/25 07:50	Analyzed:	08/25/25 19:17
Solids:	88.51	Preparation:	EPA 3550C	Initial/Final:	30.3 g / 10 mL
Batch:	BH51815	Sequence:	S5H2537	Calibration:	SH50018
Instrument:	GCECD6				

CAS NO.	COMPOUND	DILUTION	COL 1 (mg/kg dry)	COL 2 (mg/kg dry)	% Diff	Q
12674-11-2	Aroclor 1016	1	0.0186	0.0186		U
11104-28-2	Aroclor 1221	1	0.0186	0.0186		U
11141-16-5	Aroclor 1232	1	0.0186	0.0186		U
53469-21-9	Aroclor 1242	1	0.0186	0.0186		U
12672-29-6	Aroclor 1248	1	0.0186	0.0186		U
11097-69-1	Aroclor 1254	1	0.0186	0.0186		U
11096-82-5	Aroclor 1260	1	0.0186	0.0186		U
1336-36-3	Total PCBs	1	0.0186	0.0186		U

SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
Tetrachloro-m-xylene	0.0746	0.0723	97.0	30 - 120	
Decachlorobiphenyl	0.0746	0.0477	64.0	30 - 120	

* Values outside of QC limits

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8082A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H2537	Instrument:	GCECD6
Batch:	BH51815	Calibration:	SH50018

Surrogate Compound	Spike Level mg/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (BH51815-BLK2)			Lab File ID: P600435980.D		Analyzed: 08/25/25 14:25			
Tetrachloro-m-xylene	0.0664	118	30 - 120	2.741	2.712143	0.0289	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0664	76.0	30 - 120	2.206	2.210286	-0.0043	+/-0.50	
Decachlorobiphenyl	0.0664	80.5	30 - 120	8.917	8.870428	0.0466	+/-0.50	
Decachlorobiphenyl [2C]	0.0664	77.0	30 - 120	7.919	7.918143	0.0009	+/-0.50	
LCS (BH51815-BS2)			Lab File ID: P600435981.D		Analyzed: 08/25/25 14:38			
Tetrachloro-m-xylene	0.0664	75.0	30 - 120	2.734	2.712143	0.0219	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0664	65.5	30 - 120	2.21	2.210286	-0.0003	+/-0.50	
Decachlorobiphenyl	0.0664	61.0	30 - 120	8.907	8.870428	0.0366	+/-0.50	
Decachlorobiphenyl [2C]	0.0664	64.0	30 - 120	7.918	7.918143	-0.0001	+/-0.50	
HVAC - Spoils (25H1532-01)			Lab File ID: P600436001.D		Analyzed: 08/25/25 19:17			
Tetrachloro-m-xylene	0.0746	97.0	30 - 120	2.732	2.712143	0.0199	+/-0.50	
Decachlorobiphenyl	0.0746	64.0	30 - 120	8.904	8.870428	0.0336	+/-0.50	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BH51815	Laboratory ID:	BH51815-BS2
Preparation:	EPA 3550C	Initial/Final:	30.1 g / 10 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
Aroclor 1016	0.332	0.366	110	40 - 130	
Aroclor 1016 [2C]	0.332	0.294	88.4	40 - 130	
Aroclor 1260	0.332	0.364	110	40 - 130	
Aroclor 1260 [2C]	0.332	0.303	91.3	40 - 130	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8082A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Batch:	BH51815	Batch Matrix:	Soil	Preparation:	EPA 3550C

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC - Spoils	25H1532-01	P600436001.D	08/24/25 07:50	
Blank	BH51815-BLK2	P600435980.D	08/24/25 10:17	
LCS	BH51815-BS2	P600435981.D	08/24/25 10:17	



FORM I

METHOD BLANK DATA SHEET

CLEAN BLANK

EPA 8082A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51815-BLK2
Project:	JA257006 Task 10.2			Calibration:	SH50018
Preparation:	EPA 3550C	Prepared:	08/24/25 10:17	File ID:	P600435980.D
Instrument:	GCECD6	Analyzed:	08/25/25 14:25	Initial/Final:	30.1 g / 10 mL
Batch:	BH51815	Sequence:	S5H2537	Matrix:	Soil

Analyzed by: ALS Environmental - Stratford

Polychlorinated Biphenyls by GC/ECD

Sample Prepared by Method: EPA 3550C

Results Reported to RL

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
12674-11-2	Aroclor 1016 [2C]	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
11104-28-2	Aroclor 1221	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
11104-28-2	Aroclor 1221 [2C]	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
11141-16-5	Aroclor 1232	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
11141-16-5	Aroclor 1232 [2C]	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
53469-21-9	Aroclor 1242	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
53469-21-9	Aroclor 1242 [2C]	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
12672-29-6	Aroclor 1248	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
12672-29-6	Aroclor 1248 [2C]	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
11097-69-1	Aroclor 1254	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
11097-69-1	Aroclor 1254 [2C]	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
11096-82-5	Aroclor 1260	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
11096-82-5	Aroclor 1260 [2C]	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
37324-23-5	Aroclor 1262	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
37324-23-5	Aroclor 1262 [2C]	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
11100-14-4	Aroclor 1268	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
11100-14-4	Aroclor 1268 [2C]	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
1336-36-3	Total PCBs	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
1336-36-3	Total PCBs [2C]	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	Decachlorobiphenyl	*80.5 %*	*30-120*
2051-24-3	Decachlorobiphenyl [2C]	*77.0 %*	*30-120*
877-09-8	Tetrachloro-m-xylene	*118 %*	*30-120*
877-09-8	Tetrachloro-m-xylene [2C]	*76.0 %*	*30-120*

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H0830	Instrument:	GCECD6
		Calibration:	SH50018

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	S5H0830-CALF	P600434616.D	08/06/25 19:07
Cal Standard	S5H0830-CAL1	P600434617.D	08/06/25 19:20
Cal Standard	S5H0830-CAL2	P600434618.D	08/06/25 19:34
Cal Standard	S5H0830-CAL3	P600434619.D	08/06/25 19:47
Cal Standard	S5H0830-CAL4	P600434620.D	08/06/25 20:01
Cal Standard	S5H0830-CAL5	P600434621.D	08/06/25 20:14
Cal Standard	S5H0830-CAL6	P600434622.D	08/06/25 20:28
Cal Standard	S5H0830-CAL7	P600434623.D	08/06/25 20:41
Secondary Cal Check	S5H0830-SCV1	P600434625.D	08/06/25 21:08
Cal Standard	S5H0830-CAL8	P600434626.D	08/06/25 21:22
Cal Standard	S5H0830-CAL9	P600434627.D	08/06/25 21:35
Cal Standard	S5H0830-CALA	P600434628.D	08/06/25 21:49
Cal Standard	S5H0830-CALB	P600434629.D	08/06/25 22:03
Cal Standard	S5H0830-CALC	P600434630.D	08/06/25 22:16
Cal Standard	S5H0830-CALD	P600434631.D	08/06/25 22:30
Cal Standard	S5H0830-CALE	P600434632.D	08/06/25 22:43

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H2537	Instrument:	GCECD6
		Calibration:	SH50018

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	S5H2537-CCV1	P600435978.D	08/25/25 11:25
Aroclor Reference	S5H2537-ARC1	P600435979.D	08/25/25 11:39
Blank	BH51815-BLK2	P600435980.D	08/25/25 14:25
LCS	BH51815-BS2	P600435981.D	08/25/25 14:38
Calibration Check	S5H2537-CCV2	P600435990.D	08/25/25 16:41
HVAC - Spoils	25H1532-01	P600436001.D	08/25/25 19:17
Calibration Check	S5H2537-CCV3	P600436012.D	08/25/25 21:46
Calibration Check	S5H2537-CCV4	P600436034.D	08/26/25 02:45
Calibration Check	S5H2537-CCV5	P600436044.D	08/26/25 05:01
Calibration Check	S5H2537-CCV6	P600436064.D	08/26/25 14:55



AROCLOR INITIAL CALIBRATION (SINGLE POINT)

Client: **Terracon Consultants, Inc.**
SDG: **25H1532**
Project: **JA257006 Task 10.2**

Instrument ID: GCECD6 Col 1
Calibration: SH50018
Sequence: S5H2537
Lab Number: S5H2537-ARC1

Date(s) Analyzed: 08/25/2025

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor 1254	2.000	1	04.22	04.02	04.42	1725550000
		2	04.87	04.67	05.07	3188900000
		3	05.57	05.37	05.77	5282300000
		4	05.93	05.73	06.13	4237850000
		5	06.44	06.24	06.64	4625250000

✓

Client: **Terracon Consultants, Inc.**
SDG: **25H1532**
Project: **JA257006 Task 10.2**

Instrument ID: GCECD6 Col 2
Calibration: SH50018
Sequence: S5H2537
Lab Number: S5H2537-ARC1

Date(s) Analyzed: 08/25/2025

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor 1254	2.000	1	03.50	03.30	03.70	145050000
		2	04.12	03.92	04.32	475150000
		3	04.76	04.56	04.96	547250000
		4	05.05	04.85	05.25	458350000
		5	05.56	05.36	05.76	502300000

✓

FORM VI

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50018

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: GCECD6

Calibration Date: 08/08/25 17:08

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Aroclor 1016	0.0125	3.499202E+09	0.025	2.972049E+09	0.05	2.565712E+09	0.2	2.1306E+09	0.5	1.82356E+09	1	1.61448E+09
Aroclor 1016 [2C]	0.0125	1.946922E+08	0.025	2.090234E+08	0.05	2.094594E+08	0.2	2.011053E+08	0.5	1.826488E+08	1	1.6792E+08
Aroclor 1260	0.0125	7.061413E+09	0.025	6.5632E+09	0.05	6.3556E+09	0.2	5.5981E+09	0.5	4.9516E+09	1	4.4379E+09
Aroclor 1260 [2C]	0.0125	5.210446E+08	0.025	5.109932E+08	0.05	5.379432E+08	0.2	5.302625E+08	0.5	4.8892E+08	1	4.4492E+08
Decachlorobiphenyl	0.01	5.458E+10	0.02	5.8755E+10	0.04	6.01625E+10	0.08	5.636375E+10	0.12	4.961667E+10	0.16	~~3.6735E+10~~
Decachlorobiphenyl [2C]	0.01	6.58706E+09	0.02	6.43E+09	0.04	6.73E+09	0.08	6.5075E+09	0.12	5.7175E+09	0.16	~~4.873125E+09~~
Tetrachloro-m-xylene	0.01	1.136E+11	0.02	1.1636E+11	0.04	1.189325E+11	0.08	1.0976E+11	0.12	9.220667E+10	0.16	8.099312E+10
Tetrachloro-m-xylene [2C]	0.01	8.920742E+09	0.02	9.89E+09	0.04	1.1215E+10	0.08	1.12825E+10	0.12	1.0025E+10	0.16	9.230625E+09

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8082A

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50018
Instrument: GCECD6
Calibration Date: 08/08/25 17:08

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Aroclor 1016	2	1.5703E+09	3	1.43298E+09								
Aroclor 1016 [2C]	2	1.7732E+08	3	1.6644E+08								
Aroclor 1221					2	1.068134E+09						
Aroclor 1221 [2C]					2	1.293166E+08						
Aroclor 1232							2	8.8264E+08				
Aroclor 1232 [2C]							2	1.024814E+08				
Aroclor 1242									2	1.54643E+09		
Aroclor 1242 [2C]									2	1.7185E+08		
Aroclor 1248											2	2.25749E+09
Aroclor 1248 [2C]											2	2.5646E+08
Aroclor 1260	2	4.52746E+09	3	4.227953E+09								
Aroclor 1260 [2C]	2	4.825E+08	3	4.587E+08								
Decachlorobiphenyl	0.2	4.38385E+10	0.24	4.012E+10								
Decachlorobiphenyl [2C]	0.2	5.105E+09	0.24	4.805416E+09								
Tetrachloro-m-xylene	0.2	7.34805E+10	0.24									
Tetrachloro-m-xylene [2C]	0.2	8.978E+09	0.24									

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50018
Instrument: GCECD6
Calibration Date: 08/08/25 17:08

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aroclor 1016	2.20111E+09	33.87592	3.065875	2.557116E-02		0.9991932	CCC ()	
Aroclor 1016 [2C]	1.885761E+08	9.243977	2.545375	2.608674E-02		0.999122	0.99	
Aroclor 1260	5.465403E+09	19.91549	5.75	1.283847E-02		0.9992613	CCC ()	
Aroclor 1260 [2C]	4.969104E+08	6.808111	4.9295	2.165085E-02		0.998953	0.99	
Decachlorobiphenyl	5.191949E+10	14.73854	8.870428	1.282849E-02			20	
Decachlorobiphenyl [2C]	5.983211E+09	12.99263	7.918143	1.567738E-02			20	
Tetrachloro-m-xylene	1.007618E+11	18.24365	2.712143	2.083288E-02		0.9975687	0.99	
Tetrachloro-m-xylene [2C]	9.934553E+09	9.985865	2.210286	6.551868E-03		0.9975648	0.99	

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50018
Laboratory ID: S5H0830-SCV1
Sequence: S5H0830
Standard ID: S25B248

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
Aroclor 1016	1.00	1.03	3.0	20.00
Aroclor 1016 [2C]	1.00	1.03	3.0	20.00
Aroclor 1260	1.00	1.08	8.3	20.00
Aroclor 1260 [2C]	1.00	1.09	9.4	20.00
Tetrachloro-m-xylene	0.160	0.158	-1.2	
Tetrachloro-m-xylene [2C]	0.160	0.160	0.0	
Decachlorobiphenyl	0.160	0.137	-14.4	
Decachlorobiphenyl [2C]	0.160	0.151	-5.6	

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	GCECD6	Calibration:	SH50018
Lab File ID:	P600435978.D	Calibration Date:	08/08/25 17:08
Sequence:	S5H2537	Injection Date:	08/25/25
Lab Sample ID:	S5H2537-CCV1	Injection Time:	11:25

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Aroclor 1016	A	1.00	1.27	2.20111E+09	2.09684E+09		27.0	20 *	CC VH
Aroclor 1016 [2C]	A	1.00	1.05	1.885761E+08	1.869E+08		5.1	20	
Aroclor 1260	A	1.00	1.26	5.465403E+09	5.77038E+09		26.1	20 *	CC VH
Aroclor 1260 [2C]	A	1.00	1.04	4.969104E+08	4.872E+08		4.0	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

sample ND so no qual

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	GCECD6	Calibration:	SH50018
Lab File ID:	P600435990.D	Calibration Date:	08/08/25 17:08
Sequence:	S5H2537	Injection Date:	08/25/25
Lab Sample ID:	S5H2537-CCV2	Injection Time:	16:41

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Aroclor 1016	A	1.00	1.31	2.20111E+09	2.15442E+09		30.9	20 *	CC VH
Aroclor 1016 [2C]	A	1.00	1.09	1.885761E+08	1.9436E+08		9.5	20	
Aroclor 1260	A	1.00	1.28	5.465403E+09	5.8538E+09		28.4	20 *	CC VH
Aroclor 1260 [2C]	A	1.00	1.08	4.969104E+08	5.03E+08		7.5	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

sample ND so no qual

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	GCECD6	Calibration:	SH50018
Lab File ID:	P600436012.D	Calibration Date:	08/08/25 17:08
Sequence:	S5H2537	Injection Date:	08/25/25
Lab Sample ID:	S5H2537-CCV3	Injection Time:	21:46

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Aroclor 1016	A	1.00	1.27	2.20111E+09	2.08898E+09		26.5	20 *	CC VH
Aroclor 1016 [2C]	A	1.00	1.06	1.885761E+08	1.8838E+08		5.8	20	
Aroclor 1260	A	1.00	1.21	5.465403E+09	5.53004E+09		21.1	20 *	CC VH
Aroclor 1260 [2C]	A	1.00	1.02	4.969104E+08	4.7658E+08		1.7	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8082A

sample ND so no qual

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	GCECD6	Calibration:	SH50018
Lab File ID:	P600436034.D	Calibration Date:	08/08/25 17:08
Sequence:	S5H2537	Injection Date:	08/26/25
Lab Sample ID:	S5H2537-CCV4	Injection Time:	02:45

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Aroclor 1016	A	1.00	1.17	2.20111E+09	1.94228E+09		16.8	20	
Aroclor 1016 [2C]	A	1.00	1.10	1.885761E+08	1.9506E+08		9.7	20	
Aroclor 1260	A	1.00	1.11	5.465403E+09	5.10396E+09		11.1	20	
Aroclor 1260 [2C]	A	1.00	1.06	4.969104E+08	4.959E+08		5.9	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

sample ND so no qual

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	GCECD6	Calibration:	SH50018
Lab File ID:	P600436044.D	Calibration Date:	08/08/25 17:08
Sequence:	S5H2537	Injection Date:	08/26/25
Lab Sample ID:	S5H2537-CCV5	Injection Time:	05:01

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Aroclor 1016	A	1.00	1.18	2.20111E+09	1.95328E+09		17.7	20	
Aroclor 1016 [2C]	A	1.00	1.09	1.885761E+08	1.9364E+08		9.2	20	
Aroclor 1260	A	1.00	1.14	5.465403E+09	5.20128E+09		13.5	20	
Aroclor 1260 [2C]	A	1.00	1.07	4.969104E+08	5.0138E+08		7.1	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	GCECD6	Calibration:	SH50018
Lab File ID:	P600436064.D	Calibration Date:	08/08/25 17:08
Sequence:	S5H2537	Injection Date:	08/26/25
Lab Sample ID:	S5H2537-CCV6	Injection Time:	14:55

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Aroclor 1016	A	1.00	1.23	2.20111E+09	2.0225E+09		22.6	20 *	CC VH
Aroclor 1016 [2C]	A	1.00	1.14	1.885761E+08	1.9984E+08		13.6	20	
Aroclor 1260	A	1.00	1.18	5.465403E+09	5.41192E+09		18.1	20	
Aroclor 1260 [2C]	A	1.00	1.06	4.969104E+08	4.9994E+08		6.5	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

sample ND so no qual

BENCHSHEETS

SDG: 25H1532

CLASS: ARO

METHOD: EPA 8082A

PREPARATION BENCH SHEET : BH51815

Preparation Date: 08/24/2025 07:50

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1532-01 F	PCB, 8082 MASTER	30.3	10										
BH51815-BLK2	PCB, 8082 MASTER	30.1	10										
BH51815-BS2	PCB, 8082 MASTER	30.1	10	S25D096	100								

Reagent

Standard/Reagent ID	Description	LotNum
S25E087	ACETONE	25A1862002
S25G028	Baked Sodium Sulfate	436102
S25H252	HEXANE	EK623-US

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25D096	PCB Spike @100 ug/ml	LRAD5766	100

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25H293	EXT Pest/PCB Surrogate Mix @ 20 ug/ml	08142025	100

Preparations Performed by Fraiser.Anchundia **Date:** **08/21/2025 14:02**

METHOD DETECTION AND REPORTING LIMITS

EPA 8151A

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: Soil **Instrument:** Pest#8

Analyte	LOD	LOQ	Units
2,4,5-T	20.0	20.0	ug/kg
2,4,5-T [2C]	20.0	20.0	ug/kg
2,4,5-TP (Silvex)	20.0	20.0	ug/kg
2,4,5-TP (Silvex) [2C]	20.0	20.0	ug/kg
2,4-D	20.0	20.0	ug/kg
2,4-D [2C]	20.0	20.0	ug/kg
2,4-DB	20.0	20.0	ug/kg
2,4-DB [2C]	20.0	20.0	ug/kg
Dalapon	20.0	20.0	ug/kg
Dalapon [2C]	20.0	20.0	ug/kg
Dicamba	20.0	20.0	ug/kg
Dicamba [2C]	20.0	20.0	ug/kg
Dichloroprop	20.0	20.0	ug/kg
Dichloroprop [2C]	20.0	20.0	ug/kg
Dinoseb	20.0	20.0	ug/kg
Dinoseb [2C]	20.0	20.0	ug/kg
MCPA	20.0	20.0	ug/kg
MCPA [2C]	20.0	20.0	ug/kg
MCPP	20.0	20.0	ug/kg
MCPP [2C]	20.0	20.0	ug/kg



Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID: 25H1532-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Chlorinated Herbicides by GC/ECD

Sample Prepared by Method: EPA 3550C/8151A Results Reported to RL % Solids: 88.51

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/kg dry	22.4	1	EPA 8151A	08/23/2025 07:17	08/25/2025 12:19	gxb
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	22.4	1	EPA 8151A	08/23/2025 07:17	08/25/2025 12:19	gxb
94-75-7	2,4-D	ND		ug/kg dry	22.4	1	EPA 8151A	08/23/2025 07:17	08/25/2025 12:19	gxb
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*81.0 %*			*21-150*					

SECOND COLUMN ANALYSIS DATA SHEET

HVAC - Spoils

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	25H1532-01	File ID:	P8-4005901.D
Sampled:	08/20/25 13:07	Prepared:	08/23/25 07:17	Analyzed:	08/25/25 12:19
Solids:	88.51	Preparation:	EPA 3550C/8151A	Initial/Final:	30.2 g / 25 mL
Batch:	BH51807	Sequence:	S5H2540	Calibration:	SG50010
Instrument:	Pest#8				

CAS NO.	COMPOUND	DILUTION	COL 1 (ug/kg dry)	COL 2 (ug/kg dry)	% Diff	Q
93-76-5	2,4,5-T	1	22.4	22.4		U
93-72-1	2,4,5-TP (Silvex)	1	22.4	22.4		U
94-75-7	2,4-D	1	22.4	22.4		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4-Dichlorophenylacetic acid (DCAA)	468	379	81.0	21 - 150	

* Values outside of QC limits

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8151A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H2506	Instrument:	Pest#8
Batch:	BH51807	Calibration:	SG50010

Surrogate Compound	Spike Level ug/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (BH51807-BLK1)			Lab File ID: P8-4005849.D		Analyzed: 08/24/25 21:01			
2,4-Dichlorophenylacetic acid (DCAA)	415	43.4	21 - 150	1.627	1.625429	0.0016	+/-0.50	
2,4-Dichlorophenylacetic acid (DCAA) [2C]	415	39.6	21 - 150	1.822	1.821143	0.0009	+/-0.50	
LCS (BH51807-BS1)			Lab File ID: P8-4005850.D		Analyzed: 08/24/25 21:07			
2,4-Dichlorophenylacetic acid (DCAA)	415	76.4	21 - 150	1.628	1.625429	0.0026	+/-0.50	
2,4-Dichlorophenylacetic acid (DCAA) [2C]	415	76.2	21 - 150	1.823	1.821143	0.0019	+/-0.50	
HVAC - Spoils (25H1532-01)			Lab File ID: P8-4005901.D		Analyzed: 08/25/25 12:19			
2,4-Dichlorophenylacetic acid (DCAA)	468	81.0	21 - 150	1.627	1.625429	0.0016	+/-0.50	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8151A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BH51807	Laboratory ID:	BH51807-BS1
Preparation:	EPA 3550C/8151A	Initial/Final:	30.1 g / 25 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
2,4,5-T	66.4	35.7	53.8	10 - 120	
2,4,5-T [2C]	66.4	37.4	56.3	10 - 120	
2,4,5-TP (Silvex)	66.4	39.9	60.0	10 - 120	
2,4,5-TP (Silvex) [2C]	66.4	44.9	67.5	10 - 120	
2,4-D	66.4	32.4	48.8	10 - 118	
2,4-D [2C]	66.4	39.9	60.0	10 - 118	
2,4-DB	66.4	64.8	97.5	10 - 128	
2,4-DB [2C]	66.4	51.5	77.5	10 - 128	
Dalapon	664	434	65.2	40 - 140	
Dalapon [2C]	664	336	50.5	40 - 140	
Dicamba	66.4	31.6	47.5	12 - 117	
Dicamba [2C]	66.4	33.2	50.0	12 - 117	
Dichloroprop	66.4	39.0	58.7	10 - 140	
Dichloroprop [2C]	66.4	52.3	78.8	10 - 140	
Dinoseb	66.4	ND	*	10 - 140	
Dinoseb [2C]	66.4	ND	*	10 - 140	
MCPA	6640	5680	85.5	10 - 140	
MCPA [2C]	6640	6160	92.7	10 - 140	
MCPP	6640	3350	50.4	10 - 140	
MCPP [2C]	6640	4320	65.0	10 - 140	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8151A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Batch:	BH51807	Batch Matrix:	Soil	Preparation:	EPA 3550C/8151A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC - Spoils	25H1532-01	P8-4005901.D	08/23/25 07:17	sandy/rocky
Blank	BH51807-BLK1	P8-4005849.D	08/23/25 09:21	
LCS	BH51807-BS1	P8-4005850.D	08/23/25 09:21	

FORM I

CLEAN BLANK

METHOD BLANK DATA SHEET
EPA 8151A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51807-BLK1
Project:	JA257006 Task 10.2			Calibration:	SG50010
Preparation:	EPA 3550C/8151A	Prepared:	08/23/25 09:21	File ID:	P8-4005849.D
Instrument:	Pest#8	Analyzed:	08/24/25 21:01	Initial/Final:	30.1 g / 25 mL
Batch:	BH51807	Sequence:	S5H2506	Matrix:	Soil

Analyzed by: **ALS Environmental - Stratford**

Chlorinated Herbicides by GC/ECD
Sample Prepared by Method: EPA 3550C/8151A

Results Reported to RL

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/kg wet	19.9	1	EPA 8151A	08/23/25 09:21	08/24/25 21:01	
93-76-5	2,4,5-T [2C]	ND		ug/kg wet	19.9	1	EPA 8151A	08/23/25 09:21	08/24/25 21:01	
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg wet	19.9	1	EPA 8151A	08/23/25 09:21	08/24/25 21:01	
93-72-1	2,4,5-TP (Silvex) [2C]	ND		ug/kg wet	19.9	1	EPA 8151A	08/23/25 09:21	08/24/25 21:01	
94-75-7	2,4-D	ND		ug/kg wet	19.9	1	EPA 8151A	08/23/25 09:21	08/24/25 21:01	
94-75-7	2,4-D [2C]	ND		ug/kg wet	19.9	1	EPA 8151A	08/23/25 09:21	08/24/25 21:01	
94-82-6	2,4-DB	ND		ug/kg wet	19.9	1	EPA 8151A	08/23/25 09:21	08/24/25 21:01	
94-82-6	2,4-DB [2C]	ND		ug/kg wet	19.9	1	EPA 8151A	08/23/25 09:21	08/24/25 21:01	
75-99-0	Dalapon	ND		ug/kg wet	19.9	1	EPA 8151A	08/23/25 09:21	08/24/25 21:01	
75-99-0	Dalapon [2C]	ND		ug/kg wet	19.9	1	EPA 8151A	08/23/25 09:21	08/24/25 21:01	
1918-00-9	Dicamba	ND		ug/kg wet	19.9	1	EPA 8151A	08/23/25 09:21	08/24/25 21:01	
1918-00-9	Dicamba [2C]	ND		ug/kg wet	19.9	1	EPA 8151A	08/23/25 09:21	08/24/25 21:01	
120-36-5	Dichloroprop	ND		ug/kg wet	19.9	1	EPA 8151A	08/23/25 09:21	08/24/25 21:01	
120-36-5	Dichloroprop [2C]	ND		ug/kg wet	19.9	1	EPA 8151A	08/23/25 09:21	08/24/25 21:01	
88-85-7	Dinoseb	ND		ug/kg wet	19.9	1	EPA 8151A	08/23/25 09:21	08/24/25 21:01	
88-85-7	Dinoseb [2C]	ND		ug/kg wet	19.9	1	EPA 8151A	08/23/25 09:21	08/24/25 21:01	
94-74-6	MCPA	ND		ug/kg wet	19.9	1	EPA 8151A	08/23/25 09:21	08/24/25 21:01	
94-74-6	MCPA [2C]	ND		ug/kg wet	19.9	1	EPA 8151A	08/23/25 09:21	08/24/25 21:01	
93-65-2	MCPP	ND		ug/kg wet	19.9	1	EPA 8151A	08/23/25 09:21	08/24/25 21:01	
93-65-2	MCPP [2C]	ND		ug/kg wet	19.9	1	EPA 8151A	08/23/25 09:21	08/24/25 21:01	

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	2,4-Dichlorophenylacetic acid (DCAA)	*43.4 %*	*21-150*
19719-28-9	2,4-Dichlorophenylacetic acid (DCAA)	*39.6 %*	*21-150*

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8151A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5G0605	Instrument:	Pest#8
		Calibration:	SG50010

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	S5G0605-CAL1	P8-4003658.D	07/06/25 12:10
Cal Standard	S5G0605-CAL2	P8-4003659.D	07/06/25 12:16
Cal Standard	S5G0605-CAL3	P8-4003660.D	07/06/25 12:22
Cal Standard	S5G0605-CAL4	P8-4003661.D	07/06/25 12:28
Cal Standard	S5G0605-CAL5	P8-4003662.D	07/06/25 12:35
Cal Standard	S5G0605-CAL6	P8-4003663.D	07/06/25 12:41
Cal Standard	S5G0605-CAL7	P8-4003664.D	07/06/25 12:47
Secondary Cal Check	S5G0605-SCV1	P8-4003665.D	07/06/25 12:54
Cal Standard	S5G0605-CAL8	P8-4003667.D	07/06/25 13:06
Cal Standard	S5G0605-CAL9	P8-4003668.D	07/06/25 13:12
Cal Standard	S5G0605-CALA	P8-4003669.D	07/06/25 13:19
Cal Standard	S5G0605-CALB	P8-4003670.D	07/06/25 13:25
Cal Standard	S5G0605-CALC	P8-4003671.D	07/06/25 13:31
Cal Standard	S5G0605-CALD	P8-4003672.D	07/06/25 13:37
Cal Standard	S5G0605-CALE	P8-4003673.D	07/06/25 13:44
Secondary Cal Check	S5G0605-SCV2	P8-4003674.D	07/06/25 13:50

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8151A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H2506	Instrument:	Pest#8
		Calibration:	SG50010

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	S5H2506-CCV1	P8-4005783.D	08/24/25 13:55
Calibration Check	S5H2506-CCV2	P8-4005807.D	08/24/25 16:32
Calibration Check	S5H2506-CCV3	P8-4005830.D	08/24/25 19:02
Blank	BH51807-BLK1	P8-4005849.D	08/24/25 21:01
LCS	BH51807-BS1	P8-4005850.D	08/24/25 21:07
Calibration Check	S5H2506-CCV4	P8-4005876.D	08/25/25 00:03

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8151A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H2540	Instrument:	Pest#8
		Calibration:	SG50010

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	S5H2540-CCV1	P8-4005893.D	08/25/25 11:29
HVAC - Spoils	25H1532-01	P8-4005901.D	08/25/25 12:19
Calibration Check	S5H2540-CCV2	P8-4005916.D	08/25/25 13:59
Calibration Check	S5H2540-CCV3	P8-4005942.D	08/25/25 17:01

FORM VI INITIAL CALIBRATION DATA

EPA 8151A

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SG50010
Instrument: Pest#8
Calibration Date: 07/06/25 06:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
2,4,5-T	0.01	1.521E+10	0.02	1.395E+10	0.05	1.3996E+10	0.1	1.2227E+10	0.15	1.3022E+10	0.2	1.29195E+10
2,4,5-T [2C]	0.01	2.708838E+09	0.02	2.320478E+09	0.05	2.476E+09	0.1	2.138E+09	0.15	2.39E+09	0.2	2.365E+09
2,4,5-TP (Silvex)	0.01	1.356E+10	0.02	1.4865E+10	0.05	1.436E+10	0.1	1.3652E+10	0.15	1.344467E+10	0.2	1.3234E+10
2,4,5-TP (Silvex) [2C]	0.01	3.102892E+09	0.02	2.586562E+09	0.05	2.6E+09	0.1	2.388E+09	0.15	2.491333E+09	0.2	2.452E+09
2,4-D	0.01	4.284858E+09	0.02	4.025434E+09	0.05	3.806E+09	0.1	3.933E+09	0.15	3.362667E+09	0.2	3.272E+09
2,4-D [2C]	0.01	8.034584E+08	0.02	6.91599E+08	0.05	6.678986E+08	0.1	6.736347E+08	0.15	6.012239E+08	0.2	5.84E+08
2,4-DB	0.01	1.998854E+09	0.02	1.85143E+09	0.05	1.843997E+09	0.1	2.051E+09	0.15	2.008667E+09	0.2	1.8445E+09
2,4-DB [2C]	0.01	3.366475E+08	0.02	3.333982E+08	0.05	2.962994E+08	0.1	3.27948E+08	0.15	2.892257E+08	0.2	3.141582E+08
2,4-Dichlorophenylacetic acid (DCAA)	0.1	3.006E+09	0.2	2.822E+09	0.3	2.648333E+09	0.4	2.671E+09	0.5	2.4056E+09	0.6	2.473333E+09
2,4-Dichlorophenylacetic acid (DCAA) [2C]	0.1	5.516022E+08	0.2	5.415E+08	0.3	5.186667E+08	0.4	5.26E+08	0.5	4.814E+08	0.6	4.971667E+08
Dalapon	0.025	7.32E+09	0.05	4.648E+09	0.1	4.11E+09	0.2	3.9615E+09	0.5	3.6102E+09	1	3.5864E+09
Dalapon [2C]	0.025	9.460008E+08	0.05	7.519126E+08	0.1	6.781361E+08	0.2	6.205E+08	0.5	5.618E+08	1	5.623E+08
Dicamba	0.01	1.223E+10	0.02	1.173E+10	0.05	1.1204E+10	0.1	1.1233E+10	0.15	1.0036E+10	0.2	9.834E+09
Dicamba [2C]	0.01	2.064478E+09	0.02	2.011344E+09	0.05	1.942509E+09	0.1	1.928E+09	0.15	1.751333E+09	0.2	1.718E+09
Dichloroprop	0.01	4.425326E+09	0.02	3.603014E+09	0.05	3.296E+09	0.1	3.22E+09	0.15	2.858667E+09	0.2	2.7635E+09
Dichloroprop [2C]	0.01	5.839809E+08	0.02	6.16363E+08	0.05	5.898096E+08	0.1	5.616761E+08	0.15	5.156781E+08	0.2	5.045E+08
Dinoseb	0.01	7.437886E+09	0.02	7.445E+09	0.05	7.266E+09	0.1	7.96E+09	0.15	7.180667E+09	0.2	6.9355E+09
Dinoseb [2C]	0.01	1.496386E+09	0.02	1.433377E+09	0.05	1.48079E+09	0.1	1.488E+09	0.15	1.392E+09	0.2	1.391E+09
MCPA							50					
MCPA [2C]							50					
MCPP							50					
MCPP [2C]							50					

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8151A

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SG50010
Instrument: Pest#8
Calibration Date: 07/06/25 06:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
2,4,5-T	0.25	1.23792E+10									0.1	
2,4,5-T [2C]	0.25	2.2972E+09									0.1	
2,4,5-TP (Silvex)	0.25	1.2782E+10									0.1	
2,4,5-TP (Silvex) [2C]	0.25	2.37E+09									0.1	
2,4-D	0.25	3.1808E+09									0.1	
2,4-D [2C]	0.25	5.692E+08									0.1	
2,4-DB	0.25	1.8228E+09									0.1	
2,4-DB [2C]	0.25	2.996044E+08									0.1	
2,4-Dichlorophenylacetic acid (DCAA)	0.7	2.338E+09									0.4	
2,4-Dichlorophenylacetic acid (DCAA) [2C]	0.7	4.704286E+08									0.4	
Dalapon	1.5	3.426467E+09									0.2	
Dalapon [2C]	1.5	5.346667E+08									0.2	
Dicamba	0.25	9.5392E+09									0.1	
Dicamba [2C]	0.25	1.6696E+09									0.1	
Dichloroprop	0.25	2.668E+09									0.1	
Dichloroprop [2C]	0.25	4.88E+08									0.1	
Dinoseb	0.25	7.1036E+09									0.1	
Dinoseb [2C]	0.25	1.3772E+09									0.1	
MCPA			1	2.433618E+07	2	2.047438E+07	5	1.749612E+07	10	1.854E+07	50	1.2412E+07
MCPA [2C]			1	4318052	2	3637715	5	3224776	10	3436803	50	2294000
MCPP			1	1.010183E+07	2	7930390	5	9629388	10	1.146E+07	50	8930000
MCPP [2C]			1	1822313	2	1605876	5	1750351	10	2157810	50	1560762

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8151A

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SG50010
Instrument: Pest#8
Calibration Date: 07/06/25 06:00

>0.99%

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
2,4,5-T	1.338624E+10	7.908364	2.510857	3.03042E-03		0.9984361	0.99	
2,4,5-T [2C]	2.385074E+09	7.391167	2.765286	1.815185E-02		0.9977214	0.99	
2,4,5-TP (Silvex)	1.369967E+10	5.109441	2.407	1.525477E-02		0.999887	0.99	
2,4,5-TP (Silvex) [2C]	2.570112E+09	9.771001	2.625286	1.629171E-02		0.9992017	0.99	
2,4-D	3.694965E+09	11.48148	2.077	4.710716E-03		0.9974676	0.99	
2,4-D [2C]	6.558592E+08	12.32137	2.309	1.407613E-02		0.9988007	0.99	
2,4-DB	1.917321E+09	5.075376	2.706714	6.996658E-03		0.9981388	0.99	
2,4-DB [2C]	3.138974E+08	6.125166	2.946429	1.870365E-02		0.9966823	0.99	
2,4-Dichlorophenylacetic acid (DCAA)	2.623467E+09	9.075408	1.625429	4.727109E-02			20	
2,4-Dichlorophenylacetic acid (DCAA) [2C]	5.123949E+08	5.942305	1.821143	2.437804E-02			20	
Dalapon	4.380367E+09	31.04411	0.5488571	0.7543515		0.9993766	0.99	
Dalapon [2C]	6.650452E+08	21.86364	0.548	0.7299277		0.9993976	0.99	
Dicamba	1.082946E+10	9.507729	1.700143	1.707372E-02		0.9989615	0.99	
Dicamba [2C]	1.869323E+09	8.280664	1.900714	0.0212357		0.9993088	0.99	
Dichloroprop	3.262072E+09	18.71632	1.985143	2.290844E-02		0.9984377	0.99	
Dichloroprop [2C]	5.514297E+08	8.87112	2.184286	0.0186157		0.9994201	0.99	
Dinoseb	7.332665E+09	4.505911	3.085286	1.374804E-02		0.9977276	0.99	
Dinoseb [2C]	1.436965E+09	3.568364	3.061857	1.454791E-02		0.9995728	0.99	
MCPA	1.683953E+07	28.0092	1.831571	4.526759E-02		0.9990994	0.99	
MCPA [2C]	3073549	25.97328	2.041286	4.314001E-02		0.9991119	0.99	
MCPP	9543730	11.33872	1.771286	2.308185E-02		0.9997189	0.99	
MCPP [2C]	1738516	11.82089	1.943143	3.314323E-02		0.999493	0.99	

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8151A

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SG50010
Laboratory ID: S5G0605-SCV1
Sequence: S5G0605
Standard ID: S24C312

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
2,4,5-T	0.100	0.119	19.0	20.00
2,4,5-T [2C]	0.100	0.119	19.0	20.00
2,4,5-TP (Silvex)	0.100	0.119	19.0	20.00
2,4,5-TP (Silvex) [2C]	0.100	0.115	15.0	20.00
2,4-D	0.100	0.114	14.0	20.00
2,4-D [2C]	0.100	0.112	12.0	20.00
2,4-DB	0.100	0.102	2.0	20.00
2,4-DB [2C]	0.100	0.114	14.0	20.00
Dalapon	0.100	0.101	1.0	20.00
Dalapon [2C]	0.100	0.102	2.0	20.00
Dicamba	0.100	0.106	6.0	20.00
Dicamba [2C]	0.100	0.104	4.0	20.00
Dichloroprop	0.100	0.106	6.0	20.00
Dinoseb	0.100	0.104	4.0	20.00
2,4-Dichlorophenylacetic acid (DCAA)	0.500	0.474	-5.2	
2,4-Dichlorophenylacetic acid (DCAA) [2C]	0.500	0.482	-3.6	

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8151A

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SG50010
Laboratory ID: S5G0605-SCV2
Sequence: S5G0605
Standard ID: S24E349

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
MCPA	50.0	50.5	0.9	20.00
MCPA [2C]	50.0	50.4	0.7	20.00
MCPP	50.0	49.9	-0.2	20.00
MCPP [2C]	50.0	49.8	-0.5	20.00

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8151A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	Pest#8	Calibration:	SG50010
Lab File ID:	P8-4005783.D	Calibration Date:	07/06/25 06:00
Sequence:	S5H2506	Injection Date:	08/24/25
Lab Sample ID:	S5H2506-CCV1	Injection Time:	13:55

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4,5-T	A	0.100	0.0910	1.338624E+10	1.1884E+10		-9.0	20	
2,4,5-T [2C]	A	0.100	0.0850	2.385074E+09	1.978E+09		-15.0	20	
2,4,5-TP (Silvex)	A	0.100	0.0910	1.369967E+10	1.2652E+10		-9.0	20	
2,4,5-TP (Silvex) [2C]	A	0.100	0.0860	2.570112E+09	2.167E+09		-14.0	20	
2,4-D	A	0.100	0.0990	3.694965E+09	3.633E+09		-1.0	20	
2,4-D [2C]	A	0.100	0.0970	6.558592E+08	6.226967E+08		-3.0	20	
2,4-DB	A	0.100	0.0950	1.917321E+09	1.906E+09		-5.0	20	
2,4-DB [2C]	A	0.100	0.111	3.138974E+08	3.445117E+08		11.0	20	
Dalapon	A	0.200	0.203	4.380367E+09	3.8495E+09		1.5	20	
Dalapon [2C]	A	0.200	0.197	6.650452E+08	5.86E+08		-1.5	20	
Dicamba	A	0.100	0.100	1.082946E+10	1.0738E+10		0.0	20	
Dicamba [2C]	A	0.100	0.0940	1.869323E+09	1.758E+09		-6.0	20	
Dichloroprop	A	0.100	0.0980	3.262072E+09	3.047E+09		-2.0	20	
Dichloroprop [2C]	A	0.100	0.0910	5.514297E+08	5.048892E+08		-9.0	20	
Dinoseb	A	0.100	0.115	7.332665E+09	8.516E+09		15.0	20	
Dinoseb [2C]	A	0.100	0.104	1.436965E+09	1.503E+09		4.0	20	
MCPA	A	50.0	45.3	1.683953E+07	1.1578E+07		-9.3	20	
MCPA [2C]	A	50.0	43.2	3073549	2050000		-13.7	20	
MCPP	A	50.0	44.4	9543730	8208000		-11.1	20	
MCPP [2C]	A	50.0	43.2	1738516	1413354		-13.6	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8151A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	Pest#8	Calibration:	SG50010
Lab File ID:	P8-4005807.D	Calibration Date:	07/06/25 06:00
Sequence:	S5H2506	Injection Date:	08/24/25
Lab Sample ID:	S5H2506-CCV2	Injection Time:	16:32

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
2,4,5-T	A	0.100	0.0950	1.338624E+10	1.2496E+10		-5.0	20	
2,4,5-T [2C]	A	0.100	0.0870	2.385074E+09	2.032E+09		-13.0	20	
2,4,5-TP (Silvex)	A	0.100	0.0960	1.369967E+10	1.3281E+10		-4.0	20	
2,4,5-TP (Silvex) [2C]	A	0.100	0.0890	2.570112E+09	2.222E+09		-11.0	20	
2,4-D	A	0.100	0.0980	3.694965E+09	3.607E+09		-2.0	20	
2,4-D [2C]	A	0.100	0.100	6.558592E+08	6.447955E+08		0.0	20	
2,4-DB	A	0.100	0.100	1.917321E+09	2.006E+09		0.0	20	
2,4-DB [2C]	A	0.100	0.107	3.138974E+08	3.315746E+08		7.0	20	
Dalapon	A	0.200	0.192	4.380367E+09	3.6535E+09		-4.0	20	
Dalapon [2C]	A	0.200	0.197	6.650452E+08	5.875E+08		-1.5	20	
Dicamba	A	0.100	0.100	1.082946E+10	1.0762E+10		0.0	20	
Dicamba [2C]	A	0.100	0.0990	1.869323E+09	1.851E+09		-1.0	20	
Dichloroprop	A	0.100	0.0970	3.262072E+09	3.016E+09		-3.0	20	
Dichloroprop [2C]	A	0.100	0.0960	5.514297E+08	5.31298E+08		-4.0	20	
Dinoseb	A	0.100	0.0990	7.332665E+09	7.333E+09		-1.0	20	
Dinoseb [2C]	A	0.100	0.0930	1.436965E+09	1.346E+09		-7.0	20	
MCPA	A	50.0	44.4	1.683953E+07	1.135E+07		-11.1	20	
MCPA [2C]	A	50.0	46.3	3073549	2198000		-7.4	20	
MCPP	A	50.0	42.7	9543730	7884000		-14.6	20	
MCPP [2C]	A	50.0	44.7	1738516	1460343		-10.7	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8151A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	Pest#8	Calibration:	SG50010
Lab File ID:	P8-4005830.D	Calibration Date:	07/06/25 06:00
Sequence:	S5H2506	Injection Date:	08/24/25
Lab Sample ID:	S5H2506-CCV3	Injection Time:	19:02

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
2,4,5-T	A	0.100	* 0.0900	1.338624E+10	1.1845E+10		* -10.0	20	
2,4,5-T [2C]	A	0.100	0.0810	2.385074E+09	1.896E+09		-19.0	20	
2,4,5-TP (Silvex)	A	0.100	* 0.0900	1.369967E+10	1.255E+10		* -10.0	20	
2,4,5-TP (Silvex) [2C]	A	0.100	0.0820	2.570112E+09	2.056E+09		-18.0	20	
2,4-D	A	0.100	0.0940	3.694965E+09	3.454E+09		-6.0	20	
2,4-D [2C]	A	0.100	0.0920	6.558592E+08	5.964617E+08		-8.0	20	
2,4-DB	A	0.100	0.0990	1.917321E+09	1.986E+09		-1.0	20	
2,4-DB [2C]	A	0.100	0.107	3.138974E+08	3.325132E+08		7.0	20	
Dalapon	A	0.200	0.198	4.380367E+09	3.77E+09		-1.0	20	
Dalapon [2C]	A	0.200	0.199	6.650452E+08	5.93E+08		-0.5	20	
Dicamba	A	0.100	0.0970	1.082946E+10	1.0405E+10		-3.0	20	
Dicamba [2C]	A	0.100	0.0930	1.869323E+09	1.741E+09		-7.0	20	
Dichloroprop	A	0.100	0.0970	3.262072E+09	3.02E+09		-3.0	20	
Dichloroprop [2C]	A	0.100	0.0880	5.514297E+08	4.877793E+08		-12.0	20	
Dinoseb	A	0.100	0.107	7.332665E+09	7.912E+09		7.0	20	
Dinoseb [2C]	A	0.100	0.0910	1.436965E+09	1.318E+09		-9.0	20	
MCPA	A	50.0	42.3	1.683953E+07	1.0818E+07		-15.4	20	
MCPA [2C]	A	50.0	42.4	3073549	2014000		-15.2	20	
MCPP	A	50.0	40.8	9543730	7536000		-18.4	20	
MCPP [2C]	A	50.0	41.6	1738516	1360010		-16.8	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8151A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	Pest#8	Calibration:	SG50010
Lab File ID:	P8-4005876.D	Calibration Date:	07/06/25 06:00
Sequence:	S5H2506	Injection Date:	08/25/25
Lab Sample ID:	S5H2506-CCV4	Injection Time:	00:03

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
2,4,5-T	A	0.100	0.0890	1.338624E+10	1.165E+10		-11.0	20	
2,4,5-T [2C]	A	0.100	0.0800	2.385074E+09	1.861E+09		-20.0	20	
2,4,5-TP (Silvex)	A	0.100	0.0910	1.369967E+10	1.2587E+10		-9.0	20	
2,4,5-TP (Silvex) [2C]	A	0.100	0.0820	2.570112E+09	2.057E+09		-18.0	20	
2,4-D	A	0.100	0.0930	3.694965E+09	3.422E+09		-7.0	20	
2,4-D [2C]	A	0.100	0.0940	6.558592E+08	6.063115E+08		-6.0	20	
2,4-DB	A	0.100	0.101	1.917321E+09	2.023E+09		1.0	20	
2,4-DB [2C]	A	0.100	0.0940	3.138974E+08	2.923609E+08		-6.0	20	
Dalapon	A	0.200	0.189	4.380367E+09	3.593E+09		-5.5	20	
Dalapon [2C]	A	0.200	0.199	6.650452E+08	5.92E+08		-0.5	20	
Dicamba	A	0.100	0.0970	1.082946E+10	1.0455E+10		-3.0	20	
Dicamba [2C]	A	0.100	0.0930	1.869323E+09	1.747E+09		-7.0	20	
Dichloroprop	A	0.100	0.0930	3.262072E+09	2.91E+09		-7.0	20	
Dichloroprop [2C]	A	0.100	0.0910	5.514297E+08	5.007117E+08		-9.0	20	
Dinoseb NTA	A	0.100	0.0600	7.332665E+09	4.514E+09		-40.0	20 *	CC VL
Dinoseb [2C] NTA	A	0.100	0.0560	1.436965E+09	8.13069E+08		-44.0	20 *	CC VL
MCPA	A	50.0	42.7	1.683953E+07	1.092E+07		-14.6	20	
MCPA [2C]	A	50.0	43.7	3073549	2078000		-12.5	20	
MCPP	A	50.0	41.0	9543730	7568000		-18.0	20	
MCPP [2C]	A	50.0	41.5	1738516	1356679		-17.0	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8151A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	Pest#8	Calibration:	SG50010
Lab File ID:	P8-4005893.D	Calibration Date:	07/06/25 06:00
Sequence:	S5H2540	Injection Date:	08/25/25
Lab Sample ID:	S5H2540-CCV1	Injection Time:	11:29

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
2,4,5-T	A	0.100	0.0990	1.338624E+10	1.2892E+10		-1.0	20	
2,4,5-T [2C]	A	0.100	0.0900	2.385074E+09	2.111E+09		-10.0	20	
2,4,5-TP (Silvex)	A	0.100	0.0980	1.369967E+10	1.3587E+10		-2.0	20	
2,4,5-TP (Silvex) [2C]	A	0.100	0.0910	2.570112E+09	2.277E+09		-9.0	20	
2,4-D	A	0.100	0.100	3.694965E+09	3.669E+09		0.0	20	
2,4-D [2C]	A	0.100	0.103	6.558592E+08	6.628387E+08		3.0	20	
2,4-DB	A	0.100	0.110	1.917321E+09	2.187E+09		10.0	20	
2,4-DB [2C] NTA	A	0.100	0.121	3.138974E+08	3.722013E+08		21.0	20 *	CC VH
Dalapon	A	0.200	0.195	4.380367E+09	3.6985E+09		-2.5	20	
Dalapon [2C]	A	0.200	0.193	6.650452E+08	5.77E+08		-3.5	20	
Dicamba	A	0.100	0.101	1.082946E+10	1.0813E+10		1.0	20	
Dicamba [2C]	A	0.100	0.0980	1.869323E+09	1.821E+09		-2.0	20	
Dichloroprop	A	0.100	0.100	3.262072E+09	3.089E+09		0.0	20	
Dichloroprop [2C]	A	0.100	0.0970	5.514297E+08	5.319706E+08		-3.0	20	
Dinoseb	A	0.100	0.102	7.332665E+09	7.54E+09		2.0	20	
Dinoseb [2C] NTA	A	0.100	0.0790	1.436965E+09	1.15E+09		-21.0	20 *	CC VL
MCPA	A	50.0	46.3	1.683953E+07	1.1822E+07		-7.4	20	
MCPA [2C]	A	50.0	44.7	3073549	2120000		-10.7	20	
MCPP	A	50.0	43.7	9543730	8066000		-12.7	20	
MCPP [2C]	A	50.0	42.7	1738516	1395878		-14.6	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8151A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	Pest#8	Calibration:	SG50010
Lab File ID:	P8-4005916.D	Calibration Date:	07/06/25 06:00
Sequence:	S5H2540	Injection Date:	08/25/25
Lab Sample ID:	S5H2540-CCV2	Injection Time:	13:59

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
2,4,5-T	A	0.100	0.0970	1.338624E+10	1.2751E+10		-3.0	20	
2,4,5-T [2C]	A	0.100	0.0870	2.385074E+09	2.036E+09		-13.0	20	
2,4,5-TP (Silvex)	A	0.100	0.0990	1.369967E+10	1.3674E+10		-1.0	20	
2,4,5-TP (Silvex) [2C]	A	0.100	0.0890	2.570112E+09	2.236E+09		-11.0	20	
2,4-D	A	0.100	0.100	3.694965E+09	3.675E+09		0.0	20	
2,4-D [2C]	A	0.100	0.100	6.558592E+08	6.450014E+08		0.0	20	
2,4-DB	A	0.100	0.101	1.917321E+09	2.017E+09		1.0	20	
2,4-DB [2C]	A	0.100	0.108	3.138974E+08	3.347731E+08		8.0	20	
Dalapon	A	0.200	0.196	4.380367E+09	3.735E+09		-2.0	20	
Dalapon [2C]	A	0.200	0.197	6.650452E+08	5.865E+08		-1.5	20	
Dicamba	A	0.100	0.102	1.082946E+10	1.0981E+10		2.0	20	
Dicamba [2C]	A	0.100	0.0980	1.869323E+09	1.834E+09		-2.0	20	
Dichloroprop	A	0.100	0.100	3.262072E+09	3.096E+09		0.0	20	
Dichloroprop [2C]	A	0.100	0.0960	5.514297E+08	5.301718E+08		-4.0	20	
Dinoseb	A	0.100	0.0870	7.332665E+09	6.488E+09		-13.0	20	
Dinoseb [2C] NTA	A	0.100	0.0770	1.436965E+09	1.116E+09		-23.0	20 *	CC VL
MCPA	A	50.0	46.1	1.683953E+07	1.1782E+07		-7.7	20	
MCPA [2C]	A	50.0	45.1	3073549	2142000		-9.8	20	
MCPP	A	50.0	44.1	9543730	8152000		-11.7	20	
MCPP [2C]	A	50.0	43.8	1738516	1431962		-12.4	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits



FORM VII

CONTINUING CALIBRATION CHECK

EPA 8151A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	Pest#8	Calibration:	SG50010
Lab File ID:	P8-4005942.D	Calibration Date:	07/06/25 06:00
Sequence:	S5H2540	Injection Date:	08/25/25
Lab Sample ID:	S5H2540-CCV3	Injection Time:	17:01

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4,5-T	A	0.100	0.0980	1.338624E+10	1.2845E+10		-2.0	20	
2,4,5-T [2C]	A	0.100	0.0830	2.385074E+09	1.95E+09		-17.0	20	
2,4,5-TP (Silvex)	A	0.100	0.100	1.369967E+10	1.38E+10		0.0	20	
2,4,5-TP (Silvex) [2C]	A	0.100	0.0880	2.570112E+09	2.204E+09		-12.0	20	
2,4-D	A	0.100	0.101	3.694965E+09	3.7E+09		1.0	20	
2,4-D [2C]	A	0.100	0.103	6.558592E+08	6.603681E+08		3.0	20	
2,4-DB	A	0.100	0.104	1.917321E+09	2.073E+09		4.0	20	
2,4-DB [2C]	A	0.100	0.102	3.138974E+08	3.166141E+08		2.0	20	
Dalapon	A	0.200	0.173	4.380367E+09	3.2975E+09		-13.5	20	
Dalapon [2C]	A	0.200	0.181	6.650452E+08	5.41E+08		-9.5	20	
Dicamba	A	0.100	0.102	1.082946E+10	1.0941E+10		2.0	20	
Dicamba [2C]	A	0.100	0.0990	1.869323E+09	1.85E+09		-1.0	20	
Dichloroprop	A	0.100	0.0990	3.262072E+09	3.078E+09		-1.0	20	
Dichloroprop [2C]	A	0.100	0.0970	5.514297E+08	5.352846E+08		-3.0	20	
Dinoseb NTA	A	0.100	0.0670	7.332665E+09	5.058E+09		-33.0	20 *	CC VL
Dinoseb [2C] NTA	A	0.100	0.0560	1.436965E+09	8.169986E+08		-44.0	20 *	CC VL
MCPA	A	50.0	46.0	1.683953E+07	1.1752E+07		-8.0	20	
MCPA [2C]	A	50.0	46.7	3073549	2216000		-6.6	20	
MCPP	A	50.0	43.3	9543730	8000000		-13.4	20	
MCPP [2C]	A	50.0	44.2	1738516	1445909		-11.6	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

BENCHSHEETS

SDG: 25H1532

CLASS: HERB

METHOD: EPA 8151A

PREPARATION BENCH SHEET : BH51807

Preparation Date: 08/23/2025 07:17

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	Final	Basic	Decanted If applicable Y/N	Comments
25H1532-01 F	HERB, 8151 MASTER	30.2	25							<2			sandy/rocky
BH51807-BLK1	HERB, 8151 MASTER	30.1	25							<2			
BH51807-BS1	HERB, 8151 MASTER	30.1	25	S25H257	100					<2			

Reagent

Standard/Reagent ID	Description	LotNum
S24J016	2,2,4-Trimethylpentane	EJ208-US
S25C275	ETHER, Anhydrous	65031
S25D105	Hydrochloric Acid	244973
S25D152	N-Nitroso-N-methylurea precursor for Diazomethane	2NE0145
S25E087	ACETONE	25A1862002
S25E241	Methanol P&T	EK157-US
S25G028	Baked Sodium Sulfate	436102
S25G030	10% KOH Solution	MKCT8654
S25G048	HEXANE	EK367-US
S25G054	Methylene Chloride OPTIMA	250345

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25H257	EXT HERB SPIKE COMPREHENSIVE	08182025	100

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25H034	EXT Herbicide surrogate @125 ug/mL	080425	100

Preparations Performed by Ben Johnson **Date:** **08/04/2025 11:36**

METHOD DETECTION AND REPORTING LIMITS

EPA 7473

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: Soil **Instrument:** DMA 80-01

Analyte	LOD	LOQ	Units
Mercury	0.00844	0.0300	mg/kg



Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID:** **25H1532-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Metals Total

28 Days

Sample Prepared by Method: EPA 7473 soil

Results Reported to RL

% Solids: 88.51

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0339	0.0339	1	EPA 7473	08/22/2025 11:45	08/22/2025 15:14	JWT

STANDARD REFERENCE MATERIAL RECOVERY

EPA 7473

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Matrix: Soil
Batch: BH51770
Laboratory ID: BH51770-SRM1
Preparation: EPA 7473 soil
Initial/Final: 0.2 g / 0.2 g

ANALYTE	TRUE (mg/kg)	FOUND (mg/kg)	SRM % REC.	QC LIMITS REC.
Mercury	24.0	20.334	84.7	55.8 - 109.6

* - Values outside of QC Limits

FORM IV **PREPARATION BATCH SUMMARY**

EPA 7473

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Batch:	BH51770	Batch Matrix:	Soil	Preparation:	EPA 7473 soil

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC - Spoils	25H1532-01	Hg-DMA80-01 082025A	08/22/25 11:45	
Blank	BH51770-BLK1	Hg-DMA80-01 082025A	08/22/25 11:45	
Reference	BH51770-SRM1	Hg-DMA80-01 082025A	08/22/25 11:45	

FORM I

METHOD BLANK DATA SHEET

EPA 7473

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	BH51770-BLK1	File ID:	QBHg-DMA80-01 082025A_soil
Prepared:	08/22/25 11:45	Preparation:	EPA 7473 soil	Initial/Final:	0.2 g / 0.2 g
Analyzed:	08/22/25 15:14	Instrument:	DMA 80-01		
Batch:	BH51770	Sequence:	S5H2018	Calibration:	UNASSIGNED

CAS NO.	COMPOUND	CONC. (mg/kg wet)	Q
7439-97-6	Mercury	0.0300	U

no negative bias ✔

FORM I

BLANKS

EPA 7473

Laboratory: ALS Environmental - Stratford

SDG: 25H1532

Client: Terracon Consultants, Inc.

Instrument ID: DMA 80-01

Project: JA257006 Task 10.2

Sequence: S5H2018

Calibration: 08/20/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S5H2018-CCB1	Mercury	0.00190	0.0300	mg/kg		EPA 7473
S5H2018-CCB2	Mercury	0.00430	0.0300	mg/kg		EPA 7473
S5H2018-CCB3	Mercury	0.00630	0.0300	mg/kg		EPA 7473
S5H2018-CCB4	Mercury	0.00890	0.0300	mg/kg		EPA 7473
BH51770-BLK1	Mercury	0.00460	0.0300	mg/kg wet		EPA 7473
S5H2018-CCB5	Mercury	0.00310	0.0300	mg/kg		EPA 7473
S5H2018-CCB6	Mercury	0.00490	0.0300	mg/kg		EPA 7473
S5H2018-CCB7	Mercury	0.00470	0.0300	mg/kg		EPA 7473

no negative bias

Reviewer added page from Rev 2

STANDARD REFERENCE MATERIAL RECOVERY

EPA 7473

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Matrix: Soil
Batch: BH51770
Laboratory ID: BH51770-SRM1
Preparation: EPA 7473 soil
Initial/Final: 0.2 g / 0.2 g

ANALYTE	TRUE (mg/kg)	FOUND (mg/kg)	SRM % REC.	QC LIMITS REC.
Mercury	24.0	20.334	84.7	55.8 - 109.6

* - Values outside of QC Limits

Reviewer added page from Rev 2

CONTINUING CALIBRATION CHECK

EPA 7473

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Instrument ID: DMA 80-01
Calibration: 08/20/25
Control Limit: +/- 20.00%
Sequence: S5H2018

Lab Sample ID	Analyte	True	Found	%R	Units	Method
S5H2018-CCV1	Mercury	1.00	1.0709	107	mg/kg	EPA 7473
S5H2018-CCV2	Mercury	1.00	1.0535	105	mg/kg	EPA 7473
S5H2018-CCV3	Mercury	1.00	1.0662	107	mg/kg	EPA 7473
S5H2018-CCV4	Mercury	1.00	0.98040	98.0	mg/kg	EPA 7473
S5H2018-CCV5	Mercury	1.00	1.0932	109	mg/kg	EPA 7473
S5H2018-CCV6	Mercury	1.00	1.0543	105	mg/kg	EPA 7473
S5H2018-CCV7	Mercury	1.00	0.95090	95.1	mg/kg	EPA 7473

* Values outside of QC limits

reviewer added page from Rev 2

FORM V ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 7473

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Sequence: S5H2018
Instrument: DMA 80-01
Calibration: UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
High Cal Check	S5H2018-HCV1	QBHg-DMA80-01 082025A_soil	08/20/25 14:52
Low Cal Check	S5H2018-LCV1	QBHg-DMA80-01 082025A_soil	08/20/25 14:52
Calibration Check	S5H2018-CCV1	QBHg-DMA80-01 082025A_soil	08/20/25 14:52
Calibration Blank	S5H2018-CCB1	QBHg-DMA80-01 082025A_soil	08/20/25 14:52
Calibration Check	S5H2018-CCV2	QBHg-DMA80-01 082025A_soil	08/20/25 14:52
Calibration Blank	S5H2018-CCB2	QBHg-DMA80-01 082025A_soil	08/20/25 14:52
Calibration Check	S5H2018-CCV3	QBHg-DMA80-01 082025A_soil	08/22/25 12:38
Calibration Blank	S5H2018-CCB3	QBHg-DMA80-01 082025A_soil	08/22/25 12:38
Calibration Check	S5H2018-CCV4	QBHg-DMA80-01 082025A_soil	08/22/25 12:38
Calibration Blank	S5H2018-CCB4	QBHg-DMA80-01 082025A_soil	08/22/25 12:38
Blank	BH51770-BLK1	QBHg-DMA80-01 082025A_soil	08/22/25 15:14
Reference	BH51770-SRM1	QBHg-DMA80-01 082025A_soil	08/22/25 15:14
HVAC - Spoils	25H1532-01	QBHg-DMA80-01 082025A_soil	08/22/25 15:14
Calibration Check	S5H2018-CCV5	QBHg-DMA80-01 082025A_soil	08/22/25 15:14
Calibration Blank	S5H2018-CCB5	QBHg-DMA80-01 082025A_soil	08/22/25 15:14
Calibration Check	S5H2018-CCV6	QBHG DMA 08252025A	08/25/25 15:21
Calibration Blank	S5H2018-CCB6	QBHG DMA 08252025A	08/25/25 15:21
Calibration Check	S5H2018-CCV7	QBHG DMA 08252025A	08/25/25 15:21
Calibration Blank	S5H2018-CCB7	QBHG DMA 08252025A	08/25/25 15:21

BENCHSHEETS

SDG: 25H1532

CLASS: HG

METHOD: EPA 7473

PREPARATION BENCH SHEET : BH51770

Preparation Date: 08/22/2025 11:45

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	g Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1532-01 F	Mercury by 7473	0.2	0.2										
BH51770-BLK1	Mercury by 7473	0.2	0.2										
BH51770-SRM1	Mercury by 7473	0.2	0.2	S25A060	0.01								

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25A060	Soil SRM - DMA	D125-540	0.01

Preparations Performed by Andrew J. Lioio **Date:** **01/08/2025 09:15**

PREPARATION BENCH SHEET-SOILS/SOLIDS: BH51770

Preparation Date: 08/22/2025 11:45

York Analytical Laboratories, Inc. **Printed: 8/22/2025 3:20:08PM**

Matrix: Soil **Preparation: EPA 7473 soil** **(No Surrogate)** **ul**

Lab Number	Analysis	Initial (g)	Final (g)	Spike ID	Source ID	ul Spike	Comments
25H1471-01 E	Mercury by 7473	0.2	0.2				
25H1471-02 E	Mercury by 7473	0.2	0.2				
25H1471-03 E	Mercury by 7473	0.2	0.2				
25H1517-02 A	Mercury by 7473	0.2	0.2				
25H1521-01 A	Mercury by 7473	0.2	0.2				
25H1532-01 F	Mercury by 7473	0.2	0.2				
25H1535-05 A	Mercury by 7473	0.2	0.2				
25H1535-06 A	Mercury by 7473	0.2	0.2				
25H1535-07 A	Mercury by 7473	0.2	0.2				
25H1535-08 A	Mercury by 7473	0.2	0.2				
BH51770-BLK1	QC	0.2	0.2				
BH51770-DUP1	QC	0.2	0.2		25H1471-01		
BH51770-MS1	QC	0.2	0.2	S25A330	25H1471-01	1	
BH51770-SRM1	QC	0.2	0.2	S25A060		0.01	

✓

Reagents:

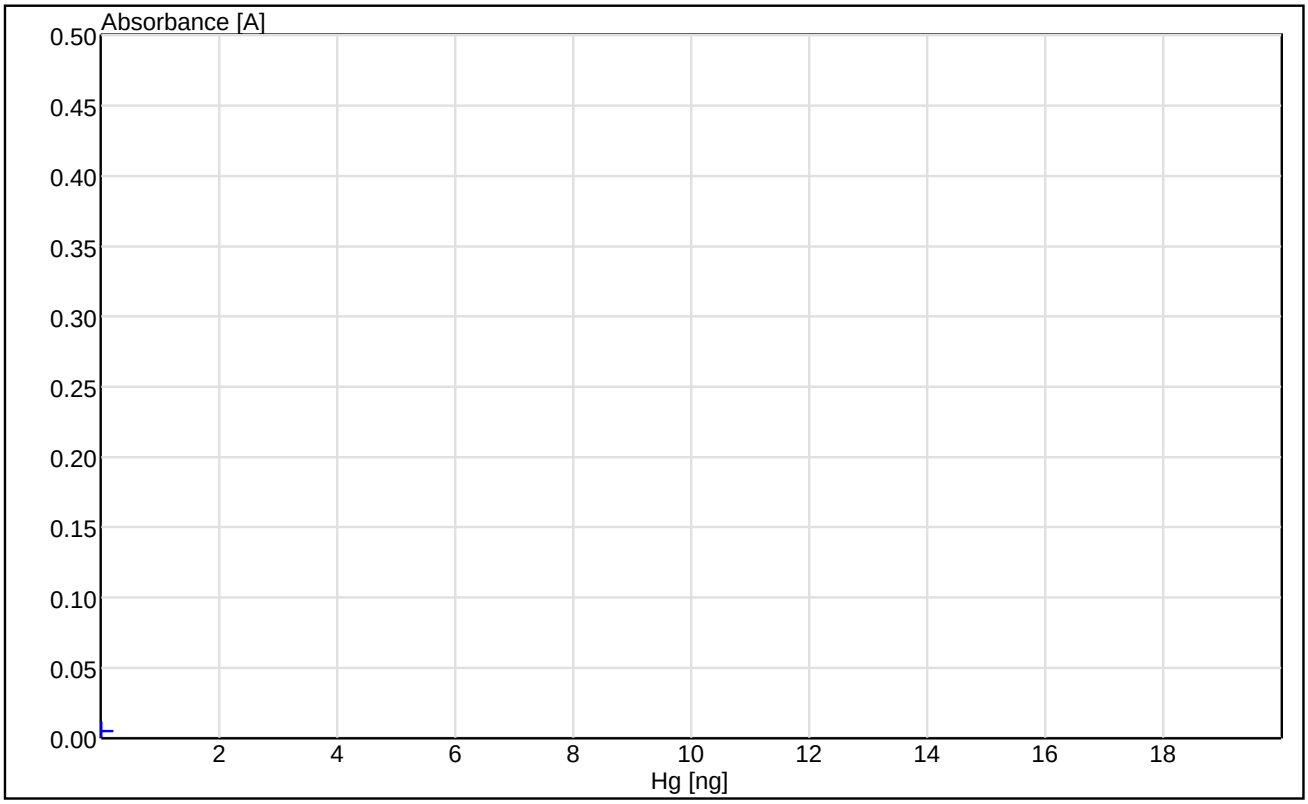
ID Number	Description	Lot Number	ID Number	Description	Lot Number

Preparations Performed by **JWT** **Date:** **08/22/2025 11:45**

Calibration data "ICALSOIL DMA80-01 050225a ICAL.c80"

Created by "Service" at
02.05.2025 15:46:34

Cell 0



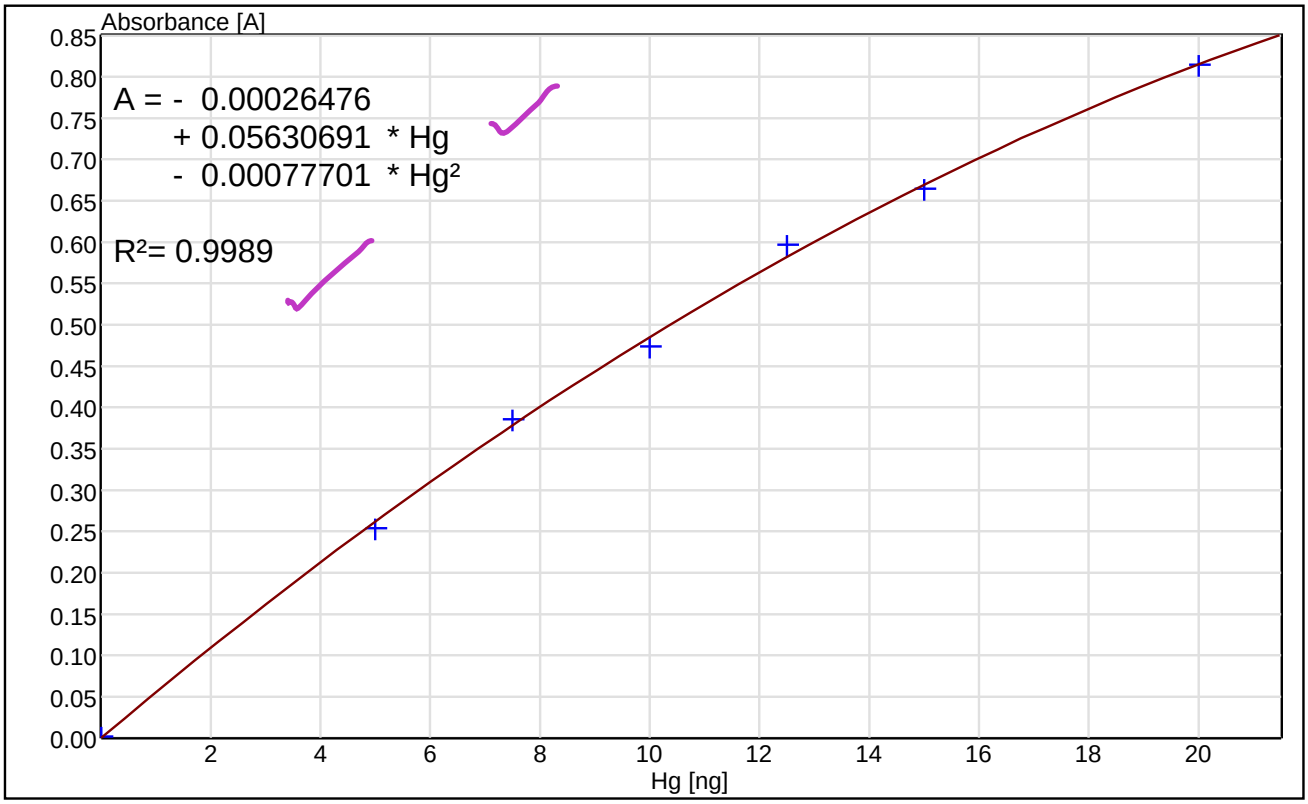
Ultra trace analysis : deactivated
BV correction : deactivated

Nr.		Hg [ng]	Height ^	Error d-A [%]	Date	Remarks
1	OK	0.0000	0.0049	0.0000	02.05.2025 13:28:40	
2		5.0000	0.6099	0.6049	02.05.2025 13:36:12	
3		7.5000	0.8699	0.8650	02.05.2025 13:43:44	
4		10.0000	0.9610	0.9561	02.05.2025 13:51:16	
5		12.5000	1.1694	1.1645	02.05.2025 13:58:48	
6		15.0000	1.2203	1.2154	02.05.2025 14:06:20	
7		20.0000	1.4330	1.4280	02.05.2025 14:13:52	

Calibration data "ICALSOIL DMA80-01 050225a ICAL.c80"

Created by "Service" at
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Cell 1



BV correction : deactivated

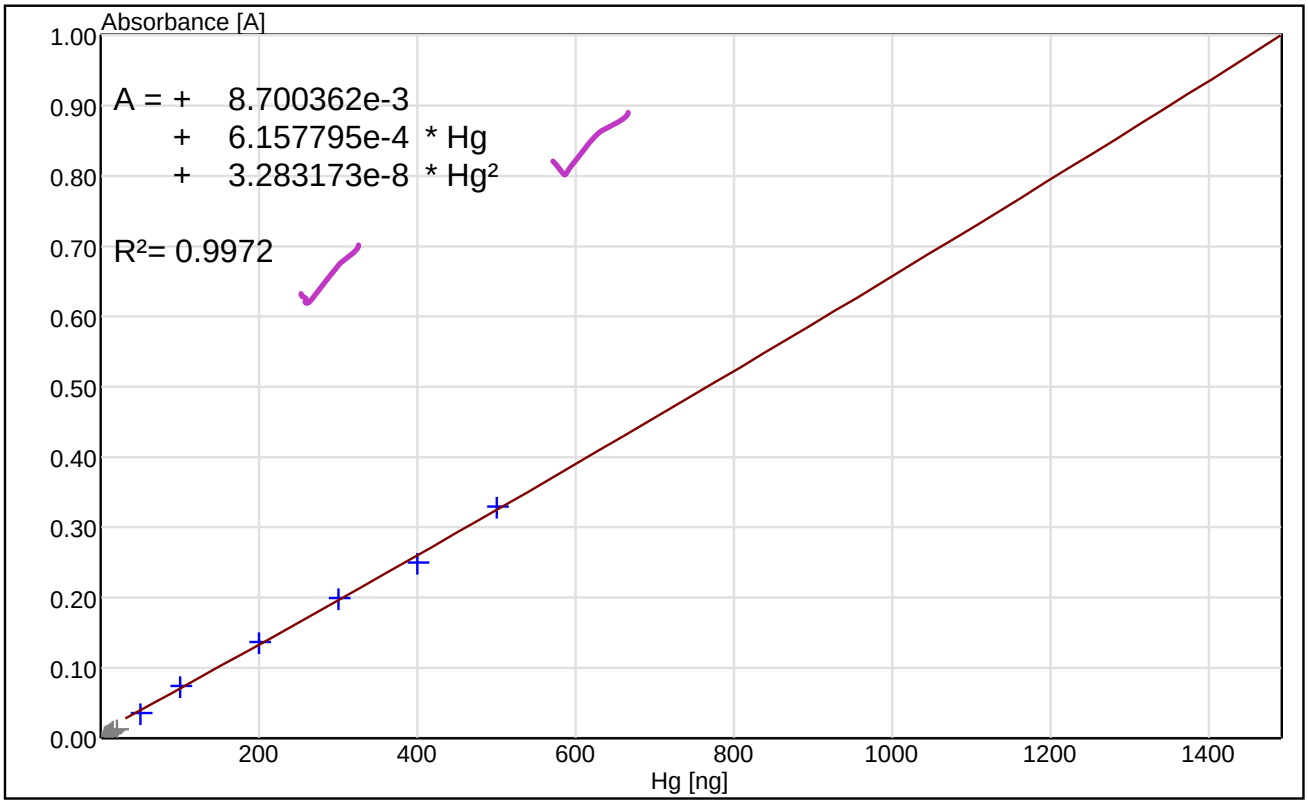
Nr.		Hg [ng]	Height ^	Error d-A [%]	Date	Remarks
1	OK	0.0000	0.0021	0.0024	02.05.2025 13:28:40	
2	OK	5.0000	0.2542	-0.0077	02.05.2025 13:36:12	
3	OK	7.5000	0.3860	0.0077	02.05.2025 13:43:44	
4	OK	10.0000	0.4738	-0.0113	02.05.2025 13:51:16	
5	OK	12.5000	0.5966	0.0144	02.05.2025 13:58:48	
6	OK	15.0000	0.6646	-0.0049	02.05.2025 14:06:20	
7	OK	20.0000	0.8144	-0.0007	02.05.2025 14:13:52	

used for low level results

Calibration data "ICALSOIL DMA80-01 050225a ICAL.c80"

Created by "Service" at
02.05.2025 15:46:34

Cell 2



BV correction : deactivated

Nr.		Hg [ng]	Height ^	Error d-A [%]	Date	Remarks
1		5.0000	0.0033	-0.0085	02.05.2025 13:36:12	
2		7.5000	0.0048	-0.0085	02.05.2025 13:43:44	
3		10.0000	0.0066	-0.0083	02.05.2025 13:51:16	
4		12.5000	0.0085	-0.0079	02.05.2025 13:58:48	
5		15.0000	0.0105	-0.0074	02.05.2025 14:06:20	
6		20.0000	0.0125	-0.0085	02.05.2025 14:13:52	
7	OK	50.0000	0.0355	-0.0041	02.05.2025 14:21:24	
8	OK	100.0000	0.0739	0.0033	02.05.2025 14:28:56	
9	OK	200.0000	0.1363	0.0031	02.05.2025 14:36:28	used for high level results
10	OK	300.0000	0.1993	0.0029	02.05.2025 14:44:00	
11	OK	400.0000	0.2502	-0.0101	02.05.2025 15:03:24	
12	OK	500.0000	0.3296	0.0048	02.05.2025 15:10:57	

METHOD DETECTION AND REPORTING LIMITS

EPA 6010D

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: Soil **Instrument:** ICP5900-01

Analyte	LOD	LOQ	Units
Aluminum	4.17	4.17	mg/kg
Antimony	2.08	2.08	mg/kg
Arsenic	1.25	1.25	mg/kg
Barium	2.08	2.08	mg/kg
Beryllium	0.042	0.042	mg/kg
Cadmium	0.250	0.250	mg/kg
Calcium	4.17	4.17	mg/kg
Chromium	0.417	0.417	mg/kg
Cobalt	0.333	0.333	mg/kg
Copper	1.67	1.67	mg/kg
Iron	20.8	20.8	mg/kg
Lead	0.417	0.417	mg/kg
Magnesium	4.17	4.17	mg/kg
Manganese	0.417	0.417	mg/kg
Nickel	0.830	0.830	mg/kg
Potassium	4.17	4.17	mg/kg
Selenium	2.08	2.08	mg/kg
Silver	0.420	0.420	mg/kg
Sodium	41.7	41.7	mg/kg
Thallium	1.00	1.67	mg/kg
Vanadium	0.830	0.830	mg/kg
Zinc	2.08	2.08	mg/kg



Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID: 25H1532-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Metals Total

180 days

Sample Prepared by Method: EPA 3050B

Results Reported to RL

% Solids: 88.51

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7429-90-5	**Aluminum**	11100		mg/kg dry	4.71	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7440-36-0	Antimony	ND		mg/kg dry	2.35	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7440-38-2	**Arsenic**	2.33		mg/kg dry	1.41	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7440-39-3	**Barium**	76.9		mg/kg dry	2.35	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7440-41-7	Beryllium	ND		mg/kg dry	0.047	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.282	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7440-70-2	**Calcium**	26500	B	mg/kg dry	4.71	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7440-47-3	**Chromium**	21.1		mg/kg dry	0.471	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7440-48-4	**Cobalt**	8.18		mg/kg dry	0.376	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7440-50-8	**Copper**	22.1		mg/kg dry	1.88	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7439-89-6	**Iron**	17900		mg/kg dry	23.5	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7439-92-1	**Lead**	10.5		mg/kg dry	0.471	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7439-95-4	**Magnesium**	6270		mg/kg dry	4.71	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7439-96-5	**Manganese**	328		mg/kg dry	0.471	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7440-02-0	**Nickel**	14.8		mg/kg dry	0.938	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7440-09-7	**Potassium**	2910		mg/kg dry	4.71	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7782-49-2	Selenium	ND		mg/kg dry	2.35	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.475	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7440-23-5	**Sodium**	407		mg/kg dry	47.1	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7440-28-0	Thallium	ND		mg/kg dry	1.89	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7440-62-2	**Vanadium**	31.0		mg/kg dry	0.938	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR
7440-66-6	**Zinc**	48.5		mg/kg dry	2.34	1	EPA 6010D	08/25/2025 14:45	08/26/2025 15:16	AGNR

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 6010D

HVAC - Spoils

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BH51875	Laboratory ID:	BH51875-MS1
Preparation:	EPA 3050B	Initial/Final:	0.6 g / 50 mL

Source Sample Name: 25H1532-01

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. #	QC LIMITS REC.	Q
Aluminum	188	11100	8270	-1480 *	75 - 125	>4x
Antimony	23.5	ND	8.80	37.4 *	75 - 125	
Arsenic	188	2.33	194	102	75 - 125	
Barium	188	76.9	246	90.0	75 - 125	
Beryllium	4.71	ND	4.78	102	75 - 125	
Cadmium	4.71	ND	4.61	98.0	75 - 125	
Calcium	94.1	26500	8250	-19400 *	75 - 125	B >4x
Chromium	18.8	21.1	33.3	64.9 *	75 - 125	
Cobalt	47.1	8.18	53.3	95.8	75 - 125	
Copper	23.5	22.1	43.5	91.0	75 - 125	
Iron	94.1	17900	12600	-5540 *	75 - 125	>4x
Lead	47.1	10.5	55.0	94.5	75 - 125	
Magnesium	94.1	6270	4060	-2350 *	75 - 125	>4x
Manganese	47.1	328	285	-92.1 *	75 - 125	>4x
Nickel	47.1	14.8	57.8	91.4	75 - 125	
Potassium	94.1	2910	2130	-833 *	75 - 125	>4x
Selenium	188	ND	188	99.7	75 - 125	
Silver	4.71	ND	5.02	107	75 - 125	
Sodium	94.1	407	340	-71.8 *	75 - 125	>4x
Thallium	188	ND	190	101	75 - 125	
Vanadium	47.1	31.0	70.7	84.5	75 - 125	
Zinc	47.1	48.5	76.8	60.1 *	75 - 125	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

sample qualified UJ:MS- for antimony, J-:MS- for chromium and zinc

DUPLICATES

EPA 6010D

HVAC - Spoils

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Matrix: Soil
Batch: BH51875
Preparation: EPA 3050B
Source Sample Name: HVAC - Spoils

SDG: 25H1532
Project: JA257006 Task 10.2
Laboratory ID: BH51875-DUP1
Lab Source ID: 25H1532-01
Initial/Final: 0.6 g / 50 mL
% Solids: 88.51

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/kg dry)	C	DUPLICATE CONCENTRATION (mg/kg dry)	C	RPD %	Q	METHOD
Aluminum	35	11100		11800		6.95		EPA 6010D
Antimony	35	ND		ND				EPA 6010D
Arsenic	35	2.33		2.33		0.404		EPA 6010D
Barium	35	76.9		81.5		5.82		EPA 6010D
Beryllium	35	ND		ND				EPA 6010D
Cadmium	35	ND		ND				EPA 6010D
Calcium	35	26500		11000		82.9	*	EPA 6010D
Chromium	35	21.1		20.3		3.87		EPA 6010D
Cobalt	35	8.18		8.85		7.85		EPA 6010D
Copper	35	22.1		23.4		5.79		EPA 6010D
Iron	35	17900		18700		4.40		EPA 6010D
Lead	35	10.5		10.1		3.83		EPA 6010D
Magnesium	35	6270		5640		10.6		EPA 6010D
Manganese	35	328		335		2.23		EPA 6010D
Nickel	35	14.8		15.0		1.52		EPA 6010D
Potassium	35	2910		3040		4.25		EPA 6010D
Selenium	35	ND		ND				EPA 6010D
Silver	35	ND		ND				EPA 6010D
Sodium	35	407		358		12.8		EPA 6010D
Thallium	35	ND		ND				EPA 6010D
Vanadium	35	31.0		33.9		9.23		EPA 6010D
Zinc	35	48.5		47.8		1.33		EPA 6010D

* Values outside of QC limits

qualify Ca J/LD

STANDARD REFERENCE MATERIAL RECOVERY

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Matrix: Soil
Batch: BH51875
Laboratory ID: BH51875-SRM1
Preparation: EPA 3050B
Initial/Final: 0.6 g / 50 mL

ANALYTE	TRUE (mg/kg wet)	FOUND (mg/kg wet)	SRM % REC.	QC LIMITS REC.
Aluminum	6840	7990	117	53.2 - 146.2
Antimony	101	58.4	57.8	0.1 - 199
Arsenic	148	148	100	81.1 - 119.6
Barium	191	185	97.0	81.7 - 118.3
Beryllium	240	247	103	82.1 - 117.5
Cadmium	190	177	93.3	82.1 - 118.4
Calcium	4030	3900	96.9	82.1 - 117.9
Chromium	132	132	100	81.1 - 118.9
Cobalt	126	128	102	82.5 - 117.5
Copper	234	251	107	82.9 - 117.5
Iron	6830	7000	103	59.7 - 140.4
Lead	98.6	94.3	95.6	81.8 - 117.6
Magnesium	1960	2150	110	76 - 124
Manganese	244	230	94.2	80.7 - 119.3
Nickel	155	158	102	81.9 - 118.1
Potassium	2070	2320	112	71 - 128.5
Selenium	124	122	98.2	78.5 - 121
Silver	54.9	57.1	104	79.4 - 120.8
Sodium	275	303	110	73.5 - 126.2
Thallium	183	178	97.3	80.3 - 119.7
Vanadium	137	138	101	78.1 - 121.9
Zinc	345	332	96.3	79.4 - 120.6

* - Values outside of QC Limits

SERIAL DILUTION

EPA 6010D

HVAC - Spoils

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Matrix: Soil
Laboratory ID: S5H2703-SRD1
Sequence: S5H2703
Lab Source ID: 25H1532-01
Preparation: BH51876
Initial/Final: 0.6 / 50
Source Sample Name: HVAC - Spoils
% Solids: 88.51

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method	QC Limits % Difference	50x RL
Aluminum	11100		13200		19.2 *		EPA 6010D	10	235.5
Antimony	ND		ND				EPA 6010D	10	117.5
Arsenic	2.33		ND				EPA 6010D	10	70.5
Barium <50x mdl	76.9		89.4		16.3 *		EPA 6010D	10	117.5
Beryllium	ND		ND				EPA 6010D	10	2.35
Cadmium	ND		ND				EPA 6010D	10	14.1
Calcium	26500		32400		21.9 *		EPA 6010D	10	235.5
Chromium <50x mdl	21.1		24.6		16.5 *		EPA 6010D	10	23.55
Cobalt <50x mdl	8.18		9.70		18.5 *		EPA 6010D	10	18.8
Copper	22.1		23.9		8.13		EPA 6010D	10	94
Iron	17900		19500		9.21		EPA 6010D	10	1175
Lead <50x mdl	10.5		12.3		16.7 *		EPA 6010D	10	23.55
Magnesium	6270		7500		19.7 *		EPA 6010D	10	235.5
Manganese	328		385		17.5 *		EPA 6010D	10	23.55
Nickel <50x mdl	14.8		18.2		23.5 *		EPA 6010D	10	46.9
Potassium	2910		3370		15.7 *		EPA 6010D	10	235.5
Selenium	ND		ND				EPA 6010D	10	117.5
Silver	ND		ND				EPA 6010D	10	23.75
Sodium <50x mdl	407		494		21.2 *		EPA 6010D	10	2355
Thallium	ND		ND				EPA 6010D	10	56.5
Vanadium <50x mdl	31.0		35.2		13.6 *		EPA 6010D	10	46.9
Zinc <50x mdl	48.5		66.7		37.5 *		EPA 6010D	10	117

* Values outside of QC limits

sample qual J:SD for aluminum, calcium, magnesium, manganese, and potassium

POST DIGEST SPIKE SAMPLE RECOVERY

EPA 6010D

HVAC - Spoils

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Matrix: Soil
Laboratory ID: BH51875-PS1
Batch: BH51875
Lab Source ID: 25H1532-01
Preparation: EPA 3050B
Initial/Final: 0.12 g / 10 mL
Source Sample Name: HVAC - Spoils
% Solids: 88.51

Analyte	Control Limit %R	Spike Sample Result (SSR) (ug/mL)	Sample Result (SR) (ug/mL)	Spike Added (SA) (ug/mL)	%R
Aluminum	75 - 125	119	117	2.00	104
Antimony	75 - 125	0.276	-0.008	0.250	111
Arsenic	75 - 125	2.08	0.025	2.00	103
Barium	75 - 125	2.78	0.817	2.00	98.1
Beryllium	75 - 125	0.051	-0.002	0.0500	101
Cadmium	75 - 125	0.048	0.001	0.0500	92.6
Calcium	75 - 125	282	282	1.00	44.3 *
Chromium	75 - 125	0.417	0.224	0.200	96.6
Cobalt	75 - 125	0.572	0.087	0.500	97.0
Copper	75 - 125	0.521	0.235	0.250	114
Iron	75 - 125	188	190	1.00	-143 *
Lead	75 - 125	0.595	0.112	0.500	96.6
Magnesium	75 - 125	67.7	66.6	1.00	109
Manganese	75 - 125	3.93	3.48	0.500	88.7
Nickel	75 - 125	0.646	0.157	0.500	98.0
Potassium	75 - 125	31.7	30.9	1.00	78.5
Selenium	75 - 125	2.04	-0.014	2.00	102
Silver	75 - 125	0.042	0.0008	0.0500	83.4
Sodium	75 - 125	5.38	4.33	1.00	106
Thallium	75 - 125	1.99	-0.011	2.00	99.4
Vanadium	75 - 125	0.834	0.329	0.500	101
Zinc	75 - 125	0.966	0.515	0.500	90.2

* Values outside of QC limits

Sample qual J-:PD- for calcium and iron

FORM IV **PREPARATION BATCH SUMMARY**

EPA 6010D

Laboratory: ALS Environmental - Stratford SDG: 25H1532

Client: Terracon Consultants, Inc. Project: JA257006 Task 10.2

Batch: BH51875 Batch Matrix: Soil Preparation: EPA 3050B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC - Spoils	25H1532-01	QBI082625A_SOIL-178	08/25/25 14:45	
Blank	BH51875-BLK1	QBI082625A_SOIL-153	08/25/25 14:45	
HVAC - Spoils	BH51875-DUP1	QBI082625A_SOIL-179	08/25/25 14:45	
HVAC - Spoils	BH51875-MS1	QBI082625A_SOIL-182	08/25/25 14:45	
HVAC - Spoils	BH51875-PS1	QBI082625A_SOIL-183	08/25/25 14:45	[Spk] 0.6g->50mL; 50mL->50mL; Spiked 10mL
Reference	BH51875-SRM1	QBI082625A_SOIL-154	08/25/25 14:45	

FORM I

METHOD BLANK DATA SHEET

EPA 6010D

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	BH51875-BLK1	File ID:	QBI082625A_SOIL-153
Prepared:	08/25/25 14:45	Preparation:	EPA 3050B	Initial/Final:	0.6 g / 50 mL
Analyzed:	08/26/25 14:38	Instrument:	ICP5900-01		
Batch:	BH51875	Sequence:	S5H2703	Calibration:	UNASSIGNED

CAS NO.	COMPOUND	CONC. (mg/kg wet)	Q
7429-90-5	Aluminum	4.17	U
7440-36-0	Antimony	2.08	U
7440-38-2	Arsenic	1.25	U
7440-39-3	Barium	2.08	U
7440-41-7	Beryllium	0.042	U
7440-43-9	Cadmium	0.250	U
7440-70-2	Calcium	5.67	
7440-47-3	Chromium	0.417	U
7440-48-4	Cobalt	0.333	U
7440-50-8	Copper	1.67	U
7439-89-6	Iron	20.8	U
7439-92-1	Lead	0.417	U
7439-95-4	Magnesium	4.17	U
7439-96-5	Manganese	0.417	U
7440-02-0	Nickel	0.830	U
7440-09-7	Potassium	4.17	U
7782-49-2	Selenium	2.08	U
7440-22-4	Silver	0.420	U
7440-23-5	Sodium	41.7	U
7440-28-0	Thallium	1.67	U
7440-62-2	Vanadium	0.830	U
7440-66-6	Zinc	2.08	U

sample is >10x limit for calcium so no qual

FORM I

BLANKS

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Instrument ID: ICP5900-01
Project: JA257006 Task 10.2
Sequence: S5H2703
Calibration: 08/26/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S5H2703-ICB1	Aluminum	0.0006	0.050	ug/mL		EPA 6010D
	Antimony	0.004	0.025	ug/mL		EPA 6010D
	Arsenic	-0.004	0.015	ug/mL		EPA 6010D
	Barium	0.0004	0.025	ug/mL		EPA 6010D
	Beryllium	0.00	0.0005	ug/mL		EPA 6010D
	Cadmium	-0.0001	0.003	ug/mL		EPA 6010D
	Calcium	-0.002	0.050	ug/mL		EPA 6010D
	Chromium	-0.0004	0.005	ug/mL		EPA 6010D
	Cobalt	0.0009	0.004	ug/mL		EPA 6010D
	Copper	0.002	0.020	ug/mL		EPA 6010D
	Iron	-0.023	0.250	ug/mL		EPA 6010D
	Lead	0.004	0.005	ug/mL		EPA 6010D
	Magnesium	-0.006	0.050	ug/mL		EPA 6010D
	Manganese	0.00	0.005	ug/mL		EPA 6010D
	Nickel	0.001	0.010	ug/mL		EPA 6010D
	Potassium	-0.218	0.050	ug/mL		EPA 6010D
	Selenium	-0.004	0.025	ug/mL		EPA 6010D
	Silver	-0.0005	0.005	ug/mL		EPA 6010D
	Sodium	-0.005	0.500	ug/mL		EPA 6010D
	Thallium	-0.002	0.020	ug/mL		EPA 6010D
	Vanadium	0.0001	0.010	ug/mL		EPA 6010D
	Zinc	-0.001	0.025	ug/mL		EPA 6010D
S5H2703-CCB1	Aluminum	-0.009	0.050	ug/mL		EPA 6010D
	Antimony	0.014	0.025	ug/mL		EPA 6010D
	Arsenic	-0.001	0.015	ug/mL		EPA 6010D
	Barium	0.0002	0.025	ug/mL		EPA 6010D
	Beryllium	-0.00003	0.0005	ug/mL		EPA 6010D
	Cadmium	0.00	0.003	ug/mL		EPA 6010D
	Calcium	-0.006	0.050	ug/mL		EPA 6010D
	Chromium	-0.0003	0.005	ug/mL		EPA 6010D
	Cobalt	0.0007	0.004	ug/mL		EPA 6010D

sample result is >10x absolute value of negative blank result so no qual

does not bracket sample

FORM I

BLANKS

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Instrument ID: ICP5900-01
Project: JA257006 Task 10.2
Sequence: S5H2703
CCB's do no bracket sample
Calibration: 08/26/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S5H2703-CCB1	Copper	0.002	0.020	ug/mL		EPA 6010D
	Iron	-0.014	0.250	ug/mL		EPA 6010D
	Lead	-0.0004	0.005	ug/mL		EPA 6010D
	Magnesium	0.007	0.050	ug/mL		EPA 6010D
	Manganese	0.00	0.005	ug/mL		EPA 6010D
	Nickel	0.0003	0.010	ug/mL		EPA 6010D
	Potassium	-0.096	0.050	ug/mL		EPA 6010D
	Selenium	0.0002	0.025	ug/mL		EPA 6010D
	Silver	-0.0001	0.005	ug/mL		EPA 6010D
	Sodium	0.001	0.500	ug/mL		EPA 6010D
	Thallium	-0.001	0.020	ug/mL		EPA 6010D
	Vanadium	0.0003	0.010	ug/mL		EPA 6010D
	Zinc	-0.001	0.025	ug/mL		EPA 6010D
S5H2703-CCBC	Aluminum	0.004	0.050	ug/mL		EPA 6010D
	Antimony	0.010	0.025	ug/mL		EPA 6010D
	Arsenic	0.00	0.015	ug/mL		EPA 6010D
	Barium	0.003	0.025	ug/mL		EPA 6010D
	Beryllium	0.00006	0.0005	ug/mL		EPA 6010D
	Cadmium	0.0002	0.003	ug/mL		EPA 6010D
	Calcium	0.023	0.050	ug/mL		EPA 6010D
	Chromium	-0.0001	0.005	ug/mL		EPA 6010D
	Cobalt	0.002	0.004	ug/mL		EPA 6010D
	Copper	0.002	0.020	ug/mL		EPA 6010D
	Iron	-0.016	0.250	ug/mL		EPA 6010D
	Lead	0.0009	0.005	ug/mL		EPA 6010D
	Magnesium	0.024	0.050	ug/mL		EPA 6010D
	Manganese	0.001	0.005	ug/mL		EPA 6010D
	Nickel	0.001	0.010	ug/mL		EPA 6010D
	Potassium	-0.017	0.050	ug/mL		EPA 6010D
	Selenium	-0.0006	0.025	ug/mL		EPA 6010D
	Silver	0.0008	0.005	ug/mL		EPA 6010D

FORM I

BLANKS

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Instrument ID: ICP5900-01
Project: JA257006 Task 10.2
Sequence: S5H2703
Calibration: 08/26/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S5H2703-CCBC	Sodium	0.116	0.500	ug/mL		EPA 6010D
	Thallium	-0.003	0.020	ug/mL		EPA 6010D
	Vanadium	0.0005	0.010	ug/mL		EPA 6010D
	Zinc	-0.0006	0.025	ug/mL		EPA 6010D
BH51875-BLK1	Aluminum	-0.158	4.17	mg/kg wet		EPA 6010D
	Antimony	-0.308	2.08	mg/kg wet		EPA 6010D
	Arsenic	-0.083	1.25	mg/kg wet		EPA 6010D
	Barium	0.167	2.08	mg/kg wet		EPA 6010D
	Beryllium	0.007	0.042	mg/kg wet		EPA 6010D
	Cadmium	0.017	0.250	mg/kg wet		EPA 6010D
	Calcium	5.67	4.17	mg/kg wet	*	EPA 6010D
no negative bias	Chromium	0.017	0.417	mg/kg wet		EPA 6010D
	Cobalt	0.175	0.333	mg/kg wet		EPA 6010D
	Copper	0.183	1.67	mg/kg wet		EPA 6010D
	Iron	4.67	20.8	mg/kg wet		EPA 6010D
	Lead	-0.058	0.417	mg/kg wet		EPA 6010D
	Magnesium	1.68	4.17	mg/kg wet		EPA 6010D
	Manganese	0.158	0.417	mg/kg wet		EPA 6010D
	Nickel	0.058	0.830	mg/kg wet		EPA 6010D
	Potassium	-4.08	4.17	mg/kg wet		EPA 6010D
	Selenium	-0.158	2.08	mg/kg wet		EPA 6010D
	Silver	0.025	0.420	mg/kg wet		EPA 6010D
	Sodium	32.5	41.7	mg/kg wet		EPA 6010D
	Thallium	0.058	1.67	mg/kg wet		EPA 6010D
	Vanadium	0.008	0.830	mg/kg wet		EPA 6010D
	Zinc	0.00	2.08	mg/kg wet		EPA 6010D
S5H2703-CCBD	Aluminum	0.007	0.050	ug/mL		EPA 6010D
	Antimony	0.006	0.025	ug/mL		EPA 6010D
	Arsenic	-0.0005	0.015	ug/mL		EPA 6010D
	Barium	0.003	0.025	ug/mL		EPA 6010D
	Beryllium	0.0001	0.0005	ug/mL		EPA 6010D

FORM I

BLANKS

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Instrument ID: ICP5900-01
Project: JA257006 Task 10.2
Sequence: S5H2703
Calibration: 08/26/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S5H2703-CCBD	Cadmium	0.0002	0.003	ug/mL		EPA 6010D
	Calcium	0.038	0.050	ug/mL		EPA 6010D
	Chromium	0.00	0.005	ug/mL		EPA 6010D
	Cobalt	0.002	0.004	ug/mL		EPA 6010D
	Copper	0.002	0.020	ug/mL		EPA 6010D
	Iron	0.0003	0.250	ug/mL		EPA 6010D
	Lead	0.001	0.005	ug/mL		EPA 6010D
	Magnesium	0.019	0.050	ug/mL		EPA 6010D
	Manganese	0.001	0.005	ug/mL		EPA 6010D
	Nickel	0.0009	0.010	ug/mL		EPA 6010D
	Potassium	-0.099	0.050	ug/mL		EPA 6010D
	Selenium	-0.002	0.025	ug/mL		EPA 6010D
	Silver	0.0003	0.005	ug/mL		EPA 6010D
	Sodium	0.126	0.500	ug/mL		EPA 6010D
	Thallium	-0.0006	0.020	ug/mL		EPA 6010D
	Vanadium	0.0005	0.010	ug/mL		EPA 6010D
	Zinc	0.0003	0.025	ug/mL		EPA 6010D
S5H2703-CCBE	Aluminum	-0.001	0.050	ug/mL		EPA 6010D
	Antimony	0.005	0.025	ug/mL		EPA 6010D
	Arsenic	-0.002	0.015	ug/mL		EPA 6010D
	Barium	0.0003	0.025	ug/mL		EPA 6010D
	Beryllium	0.00	0.0005	ug/mL		EPA 6010D
	Cadmium	0.0001	0.003	ug/mL		EPA 6010D
	Calcium	0.0007	0.050	ug/mL		EPA 6010D
	Chromium	-0.0001	0.005	ug/mL		EPA 6010D
	Cobalt	0.001	0.004	ug/mL		EPA 6010D
	Copper	0.002	0.020	ug/mL		EPA 6010D
	Iron	-0.008	0.250	ug/mL		EPA 6010D
	Lead	-0.003	0.005	ug/mL		EPA 6010D
	Magnesium	0.009	0.050	ug/mL		EPA 6010D
	Manganese	0.00	0.005	ug/mL		EPA 6010D

CCB does no bracket sample

no negative bias

FORM I

BLANKS

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Instrument ID: ICP5900-01
Project: JA257006 Task 10.2
Sequence: S5H2703
Calibration: 08/26/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S5H2703-CCBE	Nickel	0.0008	0.010	ug/mL		EPA 6010D
	Potassium	-0.100	0.050	ug/mL		EPA 6010D
	Selenium	0.002	0.025	ug/mL		EPA 6010D
no negative bias	Silver	-0.0005	0.005	ug/mL		EPA 6010D
	Sodium	0.036	0.500	ug/mL		EPA 6010D
	Thallium	0.001	0.020	ug/mL		EPA 6010D
	Vanadium	-0.0003	0.010	ug/mL		EPA 6010D
	Zinc	-0.001	0.025	ug/mL		EPA 6010D
S5H2703-CCBF	Aluminum	-0.003	0.050	ug/mL		EPA 6010D
	Antimony	0.006	0.025	ug/mL		EPA 6010D
	Arsenic	-0.002	0.015	ug/mL		EPA 6010D
	Barium	0.0003	0.025	ug/mL		EPA 6010D
	Beryllium	-0.00004	0.0005	ug/mL		EPA 6010D
	Cadmium	0.00	0.003	ug/mL		EPA 6010D
	Calcium	0.0005	0.050	ug/mL		EPA 6010D
	Chromium	-0.0004	0.005	ug/mL		EPA 6010D
	Cobalt	0.0009	0.004	ug/mL		EPA 6010D
	Copper	0.002	0.020	ug/mL		EPA 6010D
	Iron	-0.018	0.250	ug/mL		EPA 6010D
no negative bias	Lead	0.0008	0.005	ug/mL		EPA 6010D
	Magnesium	0.011	0.050	ug/mL		EPA 6010D
	Manganese	0.00	0.005	ug/mL		EPA 6010D
	Nickel	0.001	0.010	ug/mL		EPA 6010D
	Potassium	-0.071	0.050	ug/mL		EPA 6010D
	Selenium	-0.001	0.025	ug/mL		EPA 6010D
	Silver	0.0002	0.005	ug/mL		EPA 6010D
	Sodium	0.018	0.500	ug/mL		EPA 6010D
	Thallium	-0.0009	0.020	ug/mL		EPA 6010D
	Vanadium	-0.0001	0.010	ug/mL		EPA 6010D
	Zinc	-0.0008	0.025	ug/mL		EPA 6010D
S5H2703-CCBG	Aluminum	0.002	0.050	ug/mL		EPA 6010D

FORM I

BLANKS

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Instrument ID: ICP5900-01
Project: JA257006 Task 10.2
Sequence: S5H2703
CCB's do no bracket sample
Calibration: 08/26/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S5H2703-CCBG	Antimony	0.007	0.025	ug/mL		EPA 6010D
	Arsenic	-0.001	0.015	ug/mL		EPA 6010D
	Barium	0.0003	0.025	ug/mL		EPA 6010D
	Beryllium	-0.00003	0.0005	ug/mL		EPA 6010D
	Cadmium	-0.0001	0.003	ug/mL		EPA 6010D
	Calcium	-0.003	0.050	ug/mL		EPA 6010D
	Chromium	-0.0002	0.005	ug/mL		EPA 6010D
	Cobalt	0.0005	0.004	ug/mL		EPA 6010D
	Copper	0.002	0.020	ug/mL		EPA 6010D
	Iron	0.004	0.250	ug/mL		EPA 6010D
	Lead	-0.003	0.005	ug/mL		EPA 6010D
	Magnesium	0.013	0.050	ug/mL		EPA 6010D
	Manganese	0.0001	0.005	ug/mL		EPA 6010D
	Nickel	0.0008	0.010	ug/mL		EPA 6010D
	Potassium	-0.097	0.050	ug/mL		EPA 6010D
	Selenium	-0.004	0.025	ug/mL		EPA 6010D
	Silver	0.0004	0.005	ug/mL		EPA 6010D
	Sodium	0.041	0.500	ug/mL		EPA 6010D
	Thallium	0.0006	0.020	ug/mL		EPA 6010D
	Vanadium	0.0001	0.010	ug/mL		EPA 6010D
	Zinc	-0.0006	0.025	ug/mL		EPA 6010D
S5H2703-CCBH	Aluminum	0.010	0.050	ug/mL		EPA 6010D
	Antimony	0.008	0.025	ug/mL		EPA 6010D
	Arsenic	-0.0007	0.015	ug/mL		EPA 6010D
	Barium	0.0007	0.025	ug/mL		EPA 6010D
	Beryllium	0.00002	0.0005	ug/mL		EPA 6010D
	Cadmium	0.0001	0.003	ug/mL		EPA 6010D
	Calcium	0.010	0.050	ug/mL		EPA 6010D
	Chromium	0.00	0.005	ug/mL		EPA 6010D
	Cobalt	0.0006	0.004	ug/mL		EPA 6010D
	Copper	0.002	0.020	ug/mL		EPA 6010D

FORM I

BLANKS

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Instrument ID: ICP5900-01
Project: JA257006 Task 10.2
Sequence: S5H2703
CCB's do no bracket sample ✓
Calibration: 08/26/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S5H2703-CCBH	Iron	0.0003	0.250	ug/mL		EPA 6010D
	Lead	0.002	0.005	ug/mL		EPA 6010D
	Magnesium	0.017	0.050	ug/mL		EPA 6010D
	Manganese	0.0003	0.005	ug/mL		EPA 6010D
	Nickel	0.0007	0.010	ug/mL		EPA 6010D
	Potassium	-0.153	0.050	ug/mL		EPA 6010D
	Selenium	-0.003	0.025	ug/mL		EPA 6010D
	Silver	-0.0002	0.005	ug/mL		EPA 6010D
	Sodium	0.020	0.500	ug/mL		EPA 6010D
	Thallium	-0.002	0.020	ug/mL		EPA 6010D
	Vanadium	0.00	0.010	ug/mL		EPA 6010D
	Zinc	-0.001	0.025	ug/mL		EPA 6010D
S5H2703-CCBI	Aluminum	0.017	0.050	ug/mL		EPA 6010D
	Antimony	0.008	0.025	ug/mL		EPA 6010D
	Arsenic	-0.0007	0.015	ug/mL		EPA 6010D
	Barium	0.0005	0.025	ug/mL		EPA 6010D
	Beryllium	0.00	0.0005	ug/mL		EPA 6010D
	Cadmium	0.00	0.003	ug/mL		EPA 6010D
	Calcium	0.015	0.050	ug/mL		EPA 6010D
	Chromium	-0.0002	0.005	ug/mL		EPA 6010D
	Cobalt	0.0006	0.004	ug/mL		EPA 6010D
	Copper	0.002	0.020	ug/mL		EPA 6010D
	Iron	0.015	0.250	ug/mL		EPA 6010D
	Lead	0.0002	0.005	ug/mL		EPA 6010D
	Magnesium	0.024	0.050	ug/mL		EPA 6010D
	Manganese	0.0006	0.005	ug/mL		EPA 6010D
	Nickel	0.0006	0.010	ug/mL		EPA 6010D
	Potassium	-0.118	0.050	ug/mL		EPA 6010D
	Selenium	-0.0008	0.025	ug/mL		EPA 6010D
	Silver	0.0003	0.005	ug/mL		EPA 6010D
	Sodium	0.014	0.500	ug/mL		EPA 6010D

FORM I

BLANKS

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Instrument ID: ICP5900-01
Project: JA257006 Task 10.2
Sequence: S5H2703
CCB's do no bracket sample
Calibration: 08/26/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S5H2703-CCBI	Thallium	-0.005	0.020	ug/mL		EPA 6010D
	Vanadium	-0.0003	0.010	ug/mL		EPA 6010D
	Zinc	-0.001	0.025	ug/mL		EPA 6010D
S5H2703-CCBJ	Aluminum	0.018	0.050	ug/mL		EPA 6010D
	Antimony	0.010	0.025	ug/mL		EPA 6010D
	Arsenic	0.0001	0.015	ug/mL		EPA 6010D
	Barium	0.0008	0.025	ug/mL		EPA 6010D
	Beryllium	-0.00003	0.0005	ug/mL		EPA 6010D
	Cadmium	0.00	0.003	ug/mL		EPA 6010D
	Calcium	0.014	0.050	ug/mL		EPA 6010D
	Chromium	-0.0002	0.005	ug/mL		EPA 6010D
	Cobalt	0.001	0.004	ug/mL		EPA 6010D
	Copper	0.002	0.020	ug/mL		EPA 6010D
	Iron	0.019	0.250	ug/mL		EPA 6010D
	Lead	-0.0008	0.005	ug/mL		EPA 6010D
	Magnesium	0.017	0.050	ug/mL		EPA 6010D
	Manganese	0.0006	0.005	ug/mL		EPA 6010D
	Nickel	0.0007	0.010	ug/mL		EPA 6010D
	Potassium	-0.085	0.050	ug/mL		EPA 6010D
	Selenium	-0.0009	0.025	ug/mL		EPA 6010D
	Silver	0.0004	0.005	ug/mL		EPA 6010D
	Sodium	0.018	0.500	ug/mL		EPA 6010D
	Thallium	-0.0007	0.020	ug/mL		EPA 6010D
	Vanadium	0.0005	0.010	ug/mL		EPA 6010D
	Zinc	-0.0006	0.025	ug/mL		EPA 6010D

FORM V **ANALYSIS BATCH (SEQUENCE) SUMMARY**

EPA 6010D

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2703

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: ICP5900-01

Calibration: UNASSIGNED

what was the calibration used?

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Check	S5H2703-ICV1	QBI082625A_SOIL-006	08/26/25 10:16
Initial Cal Blank	S5H2703-ICB1	QBI082625A_SOIL-007	08/26/25 10:21
Instrument RL Check	S5H2703-CRL1	QBI082625A_SOIL-008	08/26/25 10:30
Interference Check A	S5H2703-IFA1	QBI082625A_SOIL-010	08/26/25 10:33
Interference Check B	S5H2703-IFB1	QBI082625A_SOIL-011	08/26/25 10:34
Calibration Check	S5H2703-CCV1	QBI082625A_SOIL-012	08/26/25 10:40
Calibration Blank	S5H2703-CCB1	QBI082625A_SOIL-013	08/26/25 10:42
Calibration Check	S5H2703-CCVC	QBI082625A_SOIL-144	08/26/25 14:21
Calibration Blank	S5H2703-CCBC	QBI082625A_SOIL-145	08/26/25 14:22
Blank	BH51875-BLK1	QBI082625A_SOIL-153	08/26/25 14:38
Reference	BH51875-SRM1	QBI082625A_SOIL-154	08/26/25 14:39
Calibration Check	S5H2703-CCVD	QBI082625A_SOIL-156	08/26/25 14:42
Calibration Blank	S5H2703-CCBD	QBI082625A_SOIL-157	08/26/25 14:44
Calibration Check	S5H2703-CCVE	QBI082625A_SOIL-168	08/26/25 15:01
Calibration Blank	S5H2703-CCBE	QBI082625A_SOIL-169	08/26/25 15:03
HVAC - Spoils	25H1532-01	QBI082625A_SOIL-178	08/26/25 15:16
HVAC - Spoils	BH51875-DUP1	QBI082625A_SOIL-179	08/26/25 15:18
Calibration Check	S5H2703-CCVF	QBI082625A_SOIL-180	08/26/25 15:19
Calibration Blank	S5H2703-CCBF	QBI082625A_SOIL-181	08/26/25 15:21
HVAC - Spoils	BH51875-MS1	QBI082625A_SOIL-182	08/26/25 15:22
HVAC - Spoils	BH51875-PS1	QBI082625A_SOIL-183	08/26/25 15:24
HVAC - Spoils	S5H2703-SRD1	QBI082625A_SOIL-184	08/26/25 15:25
Calibration Check	S5H2703-CCVG	QBI082625A_SOIL-188	08/26/25 15:32
Calibration Blank	S5H2703-CCBG	QBI082625A_SOIL-189	08/26/25 15:33
Calibration Check	S5H2703-CCVH	QBI082625A_SOIL-200	08/26/25 15:51
Calibration Blank	S5H2703-CCBH	QBI082625A_SOIL-201	08/26/25 15:52
Calibration Check	S5H2703-CCVI	QBI082625A_SOIL-210	08/26/25 16:07
Calibration Blank	S5H2703-CCBI	QBI082625A_SOIL-211	08/26/25 16:08
Calibration Check	S5H2703-CCVJ	QBI082625A_SOIL-218	08/26/25 16:20
Calibration Blank	S5H2703-CCBJ	QBI082625A_SOIL-219	08/26/25 16:22

Summary

Worksheet Name QBI082625A.esws

Sequence

Rack:Tube	Sample Label	Weight (g)	Volume (mL)	Dilution
S1:1	IEC Blank	1	1	1
S1:5	Analyte Standard 1_Std 4	1	1	1
S1:13	Interferent Standard 1_200 ppm Fe	1	1	1
S1:14	Interferent Standard 2_0.5 ppm Cr	1	1	1
S1:1	Blank	1	1	1
S1:2	Standard 1	1	1	1
S1:3	Standard 2	1	1	1
S1:4	Standard 3	1	1	1
S1:5	Standard 4	1	1	1
S1:6	SEQ-ICV1	1	1	1
S1:7	SEQ-ICB1	1	1	1
S1:8	SEQ-CRL1	1	1	1
S1:9	SEQ-CRL2	1	1	1
S1:10	SEQ-IFA1	1	1	1
S1:11	SEQ-IFB1	1	1	1
S1:12	SEQ-CCV1	1	1	1
S1:1	SEQ-CCB1	1	1	1
1:1	BH51872-BLK1	1	1	1
1:2	BH51872-SRM1	1	1	1
1:3	25H1174-05	1	1	1
1:4	25H1174-05	1	1	1
1:5	25H1174-05	1	1	1
1:6	BH51872-DUP1	1	1	1
1:7	BH51872-DUP1	1	1	1
1:8	BH51872-DUP1	1	1	1
1:9	25H1531-05	1	1	1
1:10	25H1531-05	1	1	1
S1:12	SEQ-CCV2	1	1	1
S1:1	SEQ-CCB2	1	1	1
1:11	25H1531-05	1	1	1
1:12	BH51872-DUP2	1	1	1
1:13	BH51872-DUP2	1	1	1
1:14	BH51872-DUP2	1	1	1
1:15	TEST-LCS	1	1	1
1:16	BH51776-BLK1	1	1	1
1:17	BH51776-BS1	1	1	1
1:18	25H1252-01	1	1	1
1:19	25H1452-03	1	1	1
1:20	BH51776-DUP1	1	1	1

initial calibration

Rack:Tube	Sample Label	Weight (g)	Volume (mL)	Dilution
S1:12	SEQ-CCV3	1	1	1
S1:1	SEQ-CCB3	1	1	1
1:21	BH51776-MS1	1	1	1
1:22	BH51776-PS1	1	1	1
1:23	SEQ-SRD1	1	1	1
1:24	BH51777-BLK1	1	1	1
1:25	BH51777-BS1	1	1	1
1:26	25H1362-01	1	1	1
1:27	25H1362-02	1	1	1
1:28	25H1374-04	1	1	1
1:29	25H1380-05	1	1	1
1:30	25H1381-05	1	1	1
S1:12	SEQ-CCV4	1	1	1
S1:1	SEQ-CCB4	1	1	1
1:31	25H1405-01	1	1	1
1:32	25H1406-01	1	1	1
1:33	25H1408-01	1	1	1
1:34	25H1452-02	1	1	1
1:35	BH51777-DUP1	1	1	1
1:36	BH51777-MS1	1	1	1
1:37	BH51777-PS1	1	1	1
1:38	SEQ-SRD2	1	1	1
1:39	TEST-LCS	1	1	1
1:40	BH51778-BLK1	1	1	1
S1:12	SEQ-CCV5	1	1	1
S1:1	SEQ-CCB5	1	1	1
1:41	BH51778-BS1	1	1	1
1:42	25H1329-01	1	1	1
1:43	25H1329-02	1	1	1
1:44	25H1329-03	1	1	1
1:45	25H1419-01	1	1	1
1:46	25H1421-01	1	1	1
1:47	25H1421-02	1	1	1
1:48	25H1421-02-DUP	1	1	1
1:49	25H1560-01	1	1	1
1:50	BH51778-DUP1	1	1	1
S1:12	SEQ-CCV6	1	1	1
S1:1	SEQ-CCB6	1	1	1
1:51	BH51778-MS1	1	1	1
1:52	BH51778-PS1	1	1	1
1:53	SEQ-SRD3	1	1	1
1:54	BH51842-BLK1	1	1	1
1:55	BH51842-LBK1	1	1	1
1:56	BH51842-BS1	1	1	1
1:57	25H0175-02	1	1	1
1:58	25H1319-01	1	1	1
1:59	25H1345-01	1	1	1
1:60	25H1350-03	1	1	1
S1:12	SEQ-CCV7	1	1	1
S1:1	SEQ-CCB7	1	1	1

Rack:Tube	Sample Label	Weight (g)	Volume (mL)	Dilution
2:1	25H1473-01	1	1	1
2:2	25H1473-02	1	1	1
2:3	25H1473-03	1	1	1
2:4	25H1473-04	1	1	1
2:5	25H1473-05	1	1	1
2:6	25H1473-06	1	1	1
2:7	25H1473-07	1	1	1
2:8	25H1473-08	1	1	1
2:9	25H1473-09	1	1	1
2:10	25H1473-10	1	1	1
S1:12	SEQ-CCV8	1	1	1
S1:1	SEQ-CCB8	1	1	1
2:11	25H1521-01	1	1	1
2:12	BH51842-DUP1	1	1	1
2:13	BH51842-MS1	1	1	1
2:14	BH51842-PS1	1	1	1
2:15	SEQ-SRD4	1	1	1
2:16	BH51885-BLK1	1	1	1
2:17	BH51885-BS1	1	1	1
2:18	25H1442-01	1	1	1
2:19	BH51885-MS2	1	1	1
2:20	25H1443-01	1	1	1
S1:12	SEQ-CCV9	1	1	1
S1:1	SEQ-CCB9	1	1	1
2:21	25H1461-07	1	1	1
2:22	25H1501-01	1	1	1
2:23	25H1501-02	1	1	1
2:24	25H1501-03	1	1	1
2:25	25H1501-04	1	1	1
2:26	25H1501-05	1	1	1
2:27	25H1501-06	1	1	1
2:28	25H1503-01	1	1	1
2:29	25H1519-01	1	1	1
2:30	25H1519-02	1	1	1
S1:12	SEQ-CCVA	1	1	1
S1:1	SEQ-CCBA	1	1	1
2:31	25H1519-03	1	1	1
2:32	25H1525-01	1	1	1
2:33	25H1526-03	1	1	1
2:34	25H1526-04	1	1	1
2:35	25H1534-01	1	1	1
2:36	25H1618-01	1	1	1
2:37	25H1620-01	1	1	1
2:38	BH51885-DUP1	1	1	1
2:39	BH51885-MS1	1	1	1
2:40	BH51885-PS1	1	1	1
S1:12	SEQ-CCVB	1	1	1
S1:1	SEQ-CCBB	1	1	1
2:41	SEQ-SRD5	1	1	1
2:42	BH51886-BLK1	1	1	1

Rack:Tube	Sample Label	Weight (g)	Volume (mL)	Dilution
2:43	BH51886-BS1	1	1	1
2:44	25H1329-01	1	1	1
2:45	25H1329-02	1	1	1
2:46	25H1329-03	1	1	1
2:47	25H1445-01	1	1	1
2:48	25H1540-01	1	1	1
2:49	25H1540-02	1	1	1
2:50	25H1563-01	1	1	1
S1:12	SEQ-CCVC	1	1	1
S1:1	SEQ-CCBC	1	1	1
2:51	25H1563-04	1	1	1
2:52	BH51886-DUP1	1	1	1
2:53	BH51886-MS1	1	1	1
2:54	BH51886-PS1	1	1	1
2:55	SEQ-SRD6	1	1	1
2:56	25H1593-01	1	1	1
2:57	25H1690-05	1	1	1
2:58	BH51875-BLK1	1	1	1
2:59	BH51875-SRM1	1	1	1
2:60	25H1513-01	1	1	1
S1:12	SEQ-CCVD	1	1	1
S1:1	SEQ-CCBD	1	1	1
3:1	25H1513-02	1	1	1
3:2	25H1517-02	1	1	1
3:3	25H1518-01	1	1	1
3:4	25H1518-02	1	1	1
3:5	25H1518-03	1	1	1
3:6	25H1518-04	1	1	1
3:7	25H1518-05	1	1	1
3:8	25H1518-06	1	1	1
3:9	25H1518-07	1	1	1
3:10	25H1520-01	1	1	1
S1:12	SEQ-CCVE	1	1	1
S1:1	SEQ-CCBE	1	1	1
3:11	25H1520-02	1	1	1
3:12	25H1520-03	1	1	1
3:13	25H1520-04	1	1	1
3:14	25H1526-01	1	1	1
3:15	25H1526-02	1	1	1
3:16	25H1526-05	1	1	1
3:17	25H1526-06	1	1	1
3:18	25H1526-07	1	1	1
3:19	25H1532-01	1	1	1
3:20	BH51875-DUP1	1	1	1
S1:12	SEQ-CCVF	1	1	1
S1:1	SEQ-CCBF	1	1	1
3:21	BH51875-MS1	1	1	1
3:22	BH51875-PS1	1	1	1
3:23	SEQ-SRD1	1	1	1
3:24	TEST-LCS1	1	1	1

Rack:Tube	Sample Label	Weight (g)	Volume (mL)	Dilution
3:25	TEST-LCS2	1	1	1
3:26	25H1690-05RE1	1	1	1
S1:12	SEQ-CCVG	1	1	1
S1:1	SEQ-CCBG	1	1	1
3:27	BH51876-BLK1	1	1	1
3:28	BH51876-SRM1	1	1	1
3:29	25G1905-11	1	1	1
3:30	25G1905-12	1	1	1
3:31	25G1905-13	1	1	1
3:32	25G1905-14	1	1	1
3:33	25G1905-15	1	1	1
3:34	25G1905-16	1	1	1
3:35	25G1905-17	1	1	1
3:36	25G1905-18	1	1	1
S1:12	SEQ-CCVH	1	1	1
S1:1	SEQ-CCBH	1	1	1
3:37	25G1905-19	1	1	1
3:38	25G1905-22	1	1	1
3:39	25G1905-23	1	1	1
3:40	25G1905-25	1	1	1
3:41	25G1905-27	1	1	1
3:42	25H1471-01	1	1	1
3:43	25H1471-02	1	1	1
3:44	25H1471-03	1	1	1
S1:12	SEQ-CCVI	1	1	1
S1:1	SEQ-CCBI	1	1	1
3:45	25H1509-03	1	1	1
3:46	25H1509-06	1	1	1
3:47	BH51876-DUP1	1	1	1
3:48	BH51876-MS1	1	1	1
3:49	BH51876-PS1	1	1	1
3:50	SEQ-SRD2	1	1	1
S1:12	SEQ-CCVJ	1	1	1
S1:1	SEQ-CCBJ	1	1	1
S1:8	SEQ-CRL3	1	1	1
S1:9	SEQ-CRL4	1	1	1
S1:10	SEQ-IFA2	1	1	1
S1:11	SEQ-IFB2	1	1	1
S1:15	SEQ-HCV1	1	1	1
S1:12	SEQ-CCVK	1	1	1
S1:1	SEQ-CCBK	1	1	1

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Instrument ID: ICP5900-01
Calibration: 08/26/25
Control Limt: +/- 10.00%
Sequence: S5H2703

Lab Sample ID	Analyte	True	Found	%R	Units	Method
S5H2703-ICV1	Aluminum	10.0	9.85	98.5	ug/mL	EPA 6010D
	Antimony	0.250	0.272	109	ug/mL	EPA 6010D
	Arsenic	0.250	0.239	95.7	ug/mL	EPA 6010D
	Barium	10.0	9.62	96.2	ug/mL	EPA 6010D
	Beryllium	0.250	0.248	99.2	ug/mL	EPA 6010D
	Cadmium	0.125	0.119	95.0	ug/mL	EPA 6010D
	Calcium	25.0	23.7	94.6	ug/mL	EPA 6010D
	Chromium	1.00	0.964	96.4	ug/mL	EPA 6010D
	Cobalt	2.50	2.44	97.4	ug/mL	EPA 6010D
	Copper	1.25	1.25	100	ug/mL	EPA 6010D
	Iron	5.00	4.99	99.8	ug/mL	EPA 6010D
	Lead	0.250	0.246	98.5	ug/mL	EPA 6010D
	Magnesium	25.0	24.8	99.4	ug/mL	EPA 6010D
	Manganese	2.50	2.46	98.5	ug/mL	EPA 6010D
	Nickel	2.50	2.45	98.2	ug/mL	EPA 6010D
	Potassium	25.0	25.0	100	ug/mL	EPA 6010D
	Selenium	0.250	0.236	94.3	ug/mL	EPA 6010D
	Silver	1.25	1.22	97.4	ug/mL	EPA 6010D
	Sodium	25.0	24.6	98.3	ug/mL	EPA 6010D
	Thallium	0.250	0.242	96.9	ug/mL	EPA 6010D
	Vanadium	2.50	2.46	98.3	ug/mL	EPA 6010D
	Zinc	2.50	2.41	96.5	ug/mL	EPA 6010D
S5H2703-CCV1	Aluminum	10.0	10.1	101	ug/mL	EPA 6010D
	Antimony	0.250	0.242	96.8	ug/mL	EPA 6010D
	Arsenic	0.500	0.514	103	ug/mL	EPA 6010D
	Barium	10.0	9.72	97.2	ug/mL	EPA 6010D
	Beryllium	0.250	0.252	101	ug/mL	EPA 6010D
	Cadmium	0.250	0.245	98.1	ug/mL	EPA 6010D
	Calcium	25.0	23.8	95.2	ug/mL	EPA 6010D
	Chromium	1.00	0.988	98.8	ug/mL	EPA 6010D
	Cobalt	2.50	2.45	97.8	ug/mL	EPA 6010D
	Copper	1.25	1.26	101	ug/mL	EPA 6010D
	Iron	5.00	5.12	102	ug/mL	EPA 6010D
	Lead	0.500	0.506	101	ug/mL	EPA 6010D
	Magnesium	25.0	25.1	100	ug/mL	EPA 6010D

CCV does no bracket samples

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Instrument ID: ICP5900-01
Calibration: 08/26/25
Control Limt: +/- 10.00%
Sequence: S5H2703

Lab Sample ID	Analyte	True	Found	%R	Units	Method
S5H2703-CCV1	Manganese	2.50	2.49	99.7	ug/mL	EPA 6010D
	Nickel	2.50	2.49	99.7	ug/mL	EPA 6010D
	Potassium	5.00	4.95	99.1	ug/mL	EPA 6010D
	Selenium	0.500	0.528	106	ug/mL	EPA 6010D
	Silver	1.25	1.31	105	ug/mL	EPA 6010D
	Sodium	25.0	24.7	98.9	ug/mL	EPA 6010D
	Thallium	0.500	0.508	102	ug/mL	EPA 6010D
	Vanadium	2.50	2.49	99.5	ug/mL	EPA 6010D
	Zinc	2.50	2.45	97.9	ug/mL	EPA 6010D
S5H2703-CCVC	Aluminum	10.0	10.2	102	ug/mL	EPA 6010D
	Antimony	0.250	0.240	96.1	ug/mL	EPA 6010D
	Arsenic	0.500	0.526	105	ug/mL	EPA 6010D
	Barium	10.0	9.63	96.3	ug/mL	EPA 6010D
	Beryllium	0.250	0.257	103	ug/mL	EPA 6010D
	Cadmium	0.250	0.244	97.6	ug/mL	EPA 6010D
	Calcium	25.0	23.8	95.1	ug/mL	EPA 6010D
	Chromium	1.00	0.984	98.4	ug/mL	EPA 6010D
	Cobalt	2.50	2.43	97.3	ug/mL	EPA 6010D
	Copper	1.25	1.26	101	ug/mL	EPA 6010D
	Iron	5.00	5.13	103	ug/mL	EPA 6010D
	Lead	0.500	0.509	102	ug/mL	EPA 6010D
	Magnesium	25.0	25.2	101	ug/mL	EPA 6010D
	Manganese	2.50	2.49	99.7	ug/mL	EPA 6010D
	Nickel	2.50	2.48	99.1	ug/mL	EPA 6010D
	Potassium	5.00	5.08	102	ug/mL	EPA 6010D
	Selenium	0.500	0.550	110	ug/mL	EPA 6010D
	Silver	1.25	1.28	103	ug/mL	EPA 6010D
	Sodium	25.0	24.7	99.0	ug/mL	EPA 6010D
	Thallium	0.500	0.509	102	ug/mL	EPA 6010D
	Vanadium	2.50	2.48	99.4	ug/mL	EPA 6010D
	Zinc	2.50	2.43	97.3	ug/mL	EPA 6010D
S5H2703-CCVD	Aluminum	10.0	10.2	102	ug/mL	EPA 6010D
	Antimony	0.250	0.236	94.6	ug/mL	EPA 6010D
	Arsenic	0.500	0.522	104	ug/mL	EPA 6010D
	Barium	10.0	9.70	97.0	ug/mL	EPA 6010D

CCV's do no bracket sample

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Instrument ID: ICP5900-01
Calibration: 08/26/25
Control Limt: +/- 10.00%
Sequence: S5H2703

Lab Sample ID	Analyte	True	Found	%R	Units	Method
S5H2703-CCVD	Beryllium	0.250	0.258	103	ug/mL	EPA 6010D
	Cadmium	0.250	0.245	97.9	ug/mL	EPA 6010D
	Calcium	25.0	23.9	95.4	ug/mL	EPA 6010D
	Chromium	1.00	0.993	99.3	ug/mL	EPA 6010D
	Cobalt	2.50	2.44	97.6	ug/mL	EPA 6010D
	Copper	1.25	1.27	101	ug/mL	EPA 6010D
	Iron	5.00	5.18	104	ug/mL	EPA 6010D
	Lead	0.500	0.508	102	ug/mL	EPA 6010D
	Magnesium	25.0	25.2	101	ug/mL	EPA 6010D
	Manganese	2.50	2.50	99.9	ug/mL	EPA 6010D
	Nickel	2.50	2.48	99.3	ug/mL	EPA 6010D
	Potassium	5.00	5.13	103	ug/mL	EPA 6010D
	Selenium	0.500	0.549	110	ug/mL	EPA 6010D
	Silver	1.25	1.27	102	ug/mL	EPA 6010D
	Sodium	25.0	24.8	99.2	ug/mL	EPA 6010D
	Thallium	0.500	0.507	101	ug/mL	EPA 6010D
	Vanadium	2.50	2.49	99.8	ug/mL	EPA 6010D
	Zinc	2.50	2.45	97.8	ug/mL	EPA 6010D
S5H2703-CCVE	Aluminum	10.0	10.7	107	ug/mL	EPA 6010D
	Antimony	0.250	0.247	98.9	ug/mL	EPA 6010D
	Arsenic	0.500	0.543	109	ug/mL	EPA 6010D
	Barium	10.0	10.2	102	ug/mL	EPA 6010D
	Beryllium	0.250	0.270	108	ug/mL	EPA 6010D
	Cadmium	0.250	0.256	102	ug/mL	EPA 6010D
	Calcium	25.0	25.0	99.8	ug/mL	EPA 6010D
	Chromium	1.00	1.03	103	ug/mL	EPA 6010D
	Cobalt	2.50	2.54	102	ug/mL	EPA 6010D
	Copper	1.25	1.33	106	ug/mL	EPA 6010D
	Iron	5.00	5.41	108	ug/mL	EPA 6010D
	Lead	0.500	0.526	105	ug/mL	EPA 6010D
	Magnesium	25.0	26.4	106	ug/mL	EPA 6010D
	Manganese	2.50	2.60	104	ug/mL	EPA 6010D
	Nickel	2.50	2.58	103	ug/mL	EPA 6010D
	Potassium	5.00	5.26	105	ug/mL	EPA 6010D
	Selenium	0.500	0.564	113 *	ug/mL	EPA 6010D

CCV does no bracket sample

sample ND for selenium so no qual

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Instrument ID: ICP5900-01
Calibration: 08/26/25
Control Limt: +/- 10.00%
Sequence: S5H2703

Lab Sample ID	Analyte	True	Found	%R	Units	Method
S5H2703-CCVE	Silver	1.25	1.34	107	ug/mL	EPA 6010D
	Sodium	25.0	25.9	104	ug/mL	EPA 6010D
	Thallium	0.500	0.525	105	ug/mL	EPA 6010D
	Vanadium	2.50	2.60	104	ug/mL	EPA 6010D
	Zinc	2.50	2.55	102	ug/mL	EPA 6010D
S5H2703-CCVF	Aluminum	10.0	10.2	102	ug/mL	EPA 6010D
	Antimony	0.250	0.239	95.5	ug/mL	EPA 6010D
	Arsenic	0.500	0.527	105	ug/mL	EPA 6010D
	Barium	10.0	9.80	98.0	ug/mL	EPA 6010D
	Beryllium	0.250	0.259	104	ug/mL	EPA 6010D
	Cadmium	0.250	0.246	98.3	ug/mL	EPA 6010D
	Calcium	25.0	23.8	95.2	ug/mL	EPA 6010D
	Chromium	1.00	0.994	99.4	ug/mL	EPA 6010D
	Cobalt	2.50	2.45	98.1	ug/mL	EPA 6010D
	Copper	1.25	1.28	102	ug/mL	EPA 6010D
	Iron	5.00	5.22	104	ug/mL	EPA 6010D
	Lead	0.500	0.501	100	ug/mL	EPA 6010D
	Magnesium	25.0	25.2	101	ug/mL	EPA 6010D
	Manganese	2.50	2.50	100	ug/mL	EPA 6010D
	Nickel	2.50	2.48	99.4	ug/mL	EPA 6010D
	Potassium	5.00	5.12	102	ug/mL	EPA 6010D
	Selenium	0.500	0.549	110	ug/mL	EPA 6010D
	Silver	1.25	1.28	103	ug/mL	EPA 6010D
	Sodium	25.0	24.7	98.9	ug/mL	EPA 6010D
	Thallium	0.500	0.501	100	ug/mL	EPA 6010D
	Vanadium	2.50	2.51	100	ug/mL	EPA 6010D
	Zinc	2.50	2.45	98.1	ug/mL	EPA 6010D
S5H2703-CCVG	Aluminum	10.0	10.2	102	ug/mL	EPA 6010D
	Antimony	0.250	0.237	94.7	ug/mL	EPA 6010D
	Arsenic	0.500	0.522	104	ug/mL	EPA 6010D
	Barium	10.0	9.63	96.3	ug/mL	EPA 6010D
	Beryllium	0.250	0.256	102	ug/mL	EPA 6010D
	Cadmium	0.250	0.244	97.6	ug/mL	EPA 6010D
	Calcium	25.0	23.7	94.9	ug/mL	EPA 6010D
	Chromium	1.00	0.986	98.6	ug/mL	EPA 6010D

CCV does not bracket sample

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010D

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Instrument ID: ICP5900-01
Control Limt: +/- 10.00%

CCV's do no bracket sample

SDG: 25H1532
Project: JA257006 Task 10.2
Calibration: 08/26/25
Sequence: S5H2703

Lab Sample ID	Analyte	True	Found	%R	Units	Method
S5H2703-CCVG	Cobalt	2.50	2.44	97.5	ug/mL	EPA 6010D
	Copper	1.25	1.26	101	ug/mL	EPA 6010D
	Iron	5.00	5.17	103	ug/mL	EPA 6010D
	Lead	0.500	0.517	103	ug/mL	EPA 6010D
	Magnesium	25.0	25.1	101	ug/mL	EPA 6010D
	Manganese	2.50	2.50	100	ug/mL	EPA 6010D
	Nickel	2.50	2.48	99.1	ug/mL	EPA 6010D
	Potassium	5.00	4.99	99.8	ug/mL	EPA 6010D
	Selenium	0.500	0.546	109	ug/mL	EPA 6010D
	Silver	1.25	1.27	102	ug/mL	EPA 6010D
	Sodium	25.0	24.8	99.0	ug/mL	EPA 6010D
	Thallium	0.500	0.510	102	ug/mL	EPA 6010D
	Vanadium	2.50	2.48	99.4	ug/mL	EPA 6010D
	Zinc	2.50	2.44	97.6	ug/mL	EPA 6010D
S5H2703-CCVH	Aluminum	10.0	10.5	105	ug/mL	EPA 6010D
	Antimony	0.250	0.253	101	ug/mL	EPA 6010D
	Arsenic	0.500	0.546	109	ug/mL	EPA 6010D
	Barium	10.0	10.2	102	ug/mL	EPA 6010D
	Beryllium	0.250	0.270	108	ug/mL	EPA 6010D
	Cadmium	0.250	0.255	102	ug/mL	EPA 6010D
	Calcium	25.0	24.7	98.6	ug/mL	EPA 6010D
	Chromium	1.00	1.03	103	ug/mL	EPA 6010D
	Cobalt	2.50	2.55	102	ug/mL	EPA 6010D
	Copper	1.25	1.33	107	ug/mL	EPA 6010D
	Iron	5.00	5.41	108	ug/mL	EPA 6010D
	Lead	0.500	0.524	105	ug/mL	EPA 6010D
	Magnesium	25.0	26.1	104	ug/mL	EPA 6010D
	Manganese	2.50	2.60	104	ug/mL	EPA 6010D
	Nickel	2.50	2.58	103	ug/mL	EPA 6010D
	Potassium	5.00	5.30	106	ug/mL	EPA 6010D
	Selenium	0.500	0.571	114 *	ug/mL	EPA 6010D
	Silver	1.25	1.34	107	ug/mL	EPA 6010D
	Sodium	25.0	25.5	102	ug/mL	EPA 6010D
	Thallium	0.500	0.523	105	ug/mL	EPA 6010D
	Vanadium	2.50	2.60	104	ug/mL	EPA 6010D

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010D

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Instrument ID: ICP5900-01
Control Limt: +/- 10.00%

CCV's do no bracket sample

SDG: 25H1532
Project: JA257006 Task 10.2
Calibration: 08/26/25
Sequence: S5H2703

Lab Sample ID	Analyte	True	Found	%R	Units	Method
S5H2703-CCVH	Zinc	2.50	2.55	102	ug/mL	EPA 6010D
S5H2703-CCVI	Aluminum	10.0	10.1	101	ug/mL	EPA 6010D
	Antimony	0.250	0.237	95.0	ug/mL	EPA 6010D
	Arsenic	0.500	0.517	103	ug/mL	EPA 6010D
	Barium	10.0	9.64	96.4	ug/mL	EPA 6010D
	Beryllium	0.250	0.256	102	ug/mL	EPA 6010D
	Cadmium	0.250	0.242	96.8	ug/mL	EPA 6010D
	Calcium	25.0	23.6	94.6	ug/mL	EPA 6010D
	Chromium	1.00	0.980	98.0	ug/mL	EPA 6010D
	Cobalt	2.50	2.43	97.2	ug/mL	EPA 6010D
	Copper	1.25	1.24	99.6	ug/mL	EPA 6010D
	Iron	5.00	5.19	104	ug/mL	EPA 6010D
	Lead	0.500	0.495	99.0	ug/mL	EPA 6010D
	Magnesium	25.0	25.0	100	ug/mL	EPA 6010D
	Manganese	2.50	2.47	98.8	ug/mL	EPA 6010D
	Nickel	2.50	2.45	98.1	ug/mL	EPA 6010D
	Potassium	5.00	5.06	101	ug/mL	EPA 6010D
	Selenium	0.500	0.539	108	ug/mL	EPA 6010D
	Silver	1.25	1.18	94.0	ug/mL	EPA 6010D
	Sodium	25.0	24.6	98.3	ug/mL	EPA 6010D
	Thallium	0.500	0.496	99.2	ug/mL	EPA 6010D
	Vanadium	2.50	2.47	98.9	ug/mL	EPA 6010D
	Zinc	2.50	2.42	96.7	ug/mL	EPA 6010D
S5H2703-CCVJ	Aluminum	10.0	10.1	101	ug/mL	EPA 6010D
	Antimony	0.250	0.238	95.3	ug/mL	EPA 6010D
	Arsenic	0.500	0.521	104	ug/mL	EPA 6010D
	Barium	10.0	9.60	96.0	ug/mL	EPA 6010D
	Beryllium	0.250	0.254	102	ug/mL	EPA 6010D
	Cadmium	0.250	0.243	97.1	ug/mL	EPA 6010D
	Calcium	25.0	23.5	94.2	ug/mL	EPA 6010D
	Chromium	1.00	0.981	98.1	ug/mL	EPA 6010D
	Cobalt	2.50	2.42	96.7	ug/mL	EPA 6010D
	Copper	1.25	1.25	100	ug/mL	EPA 6010D
	Iron	5.00	5.10	102	ug/mL	EPA 6010D
	Lead	0.500	0.507	101	ug/mL	EPA 6010D

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Instrument ID: ICP5900-01
Calibration: 08/26/25
Control Limt: +/- 10.00%
CCV's do no bracket sample
Sequence: S5H2703

Lab Sample ID	Analyte	True	Found	%R	Units	Method
S5H2703-CCVJ	Magnesium	25.0	24.9	99.6	ug/mL	EPA 6010D
	Manganese	2.50	2.48	99.1	ug/mL	EPA 6010D
	Nickel	2.50	2.46	98.5	ug/mL	EPA 6010D
	Potassium	5.00	4.98	99.6	ug/mL	EPA 6010D
	Selenium	0.500	0.547	109	ug/mL	EPA 6010D
	Silver	1.25	1.26	101	ug/mL	EPA 6010D
	Sodium	25.0	24.5	97.9	ug/mL	EPA 6010D
	Thallium	0.500	0.507	101	ug/mL	EPA 6010D
	Vanadium	2.50	2.47	98.7	ug/mL	EPA 6010D
	Zinc	2.50	2.43	97.2	ug/mL	EPA 6010D

* Values outside of QC limits

CRDL STANDARD

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Instrument ID: ICP5900-01
Calibration: 08/26/25
Sequence: S5H2703

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
S5H2703-CRL1	Aluminum	0.500	0.568	* 114	ug/mL	25 - 175
	Antimony	0.0250	0.020	81.6	ug/mL	25 - 175
	Arsenic	0.0150	0.013	86.7	ug/mL	25 - 175
	Barium	0.0250	0.029	117	ug/mL	25 - 175
	Beryllium	0.000500	0.0005	106	ug/mL	25 - 175
	Cadmium	0.00300	0.003	107	ug/mL	25 - 175
	Calcium	0.500	0.591	118	ug/mL	25 - 175
	Chromium	0.00500	0.006	110	ug/mL	25 - 175
	Cobalt	0.00400	0.005	* 128	ug/mL	25 - 175
	Copper	0.0400	0.042	104	ug/mL	25 - 175
	Iron	0.500	0.469	93.9	ug/mL	25 - 175
	Lead	0.00500	0.006	120	ug/mL	25 - 175
	Magnesium	0.500	0.517	103	ug/mL	25 - 175
	Manganese	0.0100	0.011	114	ug/mL	25 - 175
	Nickel	0.0100	0.012	120	ug/mL	25 - 175
	Potassium	0.500	0.378	75.7	ug/mL	25 - 175
	Selenium	0.0250	0.019	74.4	ug/mL	25 - 175
	Silver	0.0100	0.010	105	ug/mL	25 - 175
	Sodium	0.500	0.525	* 105	ug/mL	25 - 175
	Thallium	0.0250	0.025	102	ug/mL	25 - 175
	Vanadium	0.0100	0.011	108	ug/mL	25 - 175
	Zinc	0.0250	0.032	* 129	ug/mL	25 - 175

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Instrument ID: ICP5900-01
Calibration: 08/26/25
Sequence: S5H2703

Lab Sample ID	Analyte	True	Found	RL	% Rec	Acceptance Criteria	Units
S5H2703-IFA1	Aluminum	500	525.45	0.050	105	400 to 600	ug/mL
	Antimony		0.00	0.025		-0.025 to 0.025	ug/mL
	Arsenic		0.00	0.015		-0.015 to 0.015	ug/mL
	Barium		0.01	0.025		-0.025 to 0.025	ug/mL
	Beryllium		0.00	0.0005		-0.0005 to 0.0005	ug/mL
	Cadmium		0.00	0.003		-0.003 to 0.003	ug/mL
	Calcium	500	462.68	0.050	92.5	400 to 600	ug/mL
	Chromium		0.00	0.005		-0.005 to 0.005	ug/mL
	Cobalt		0.00	0.004		-0.004 to 0.004	ug/mL
	Copper		0.00	0.020		-0.020 to 0.020	ug/mL
	Iron	200	215.04	0.250	108	160 to 240	ug/mL
	Lead		-0.01	0.005		-0.005 to 0.005	ug/mL
	Magnesium	500	536.90	0.050	107	400 to 600	ug/mL
	Manganese		0.00	0.005		-0.005 to 0.005	ug/mL
	Nickel		0.00	0.010		-0.010 to 0.010	ug/mL
	Potassium		-0.19	0.050		-0.050 to 0.050	ug/mL
	Selenium		-0.01	0.025		-0.025 to 0.025	ug/mL
	Silver		0.00	0.005		-0.005 to 0.005	ug/mL
	Sodium		0.27	0.500		-0.500 to 0.500	ug/mL
	Thallium		0.00	0.020		-0.020 to 0.020	ug/mL
	Vanadium		0.00	0.010		-0.010 to 0.010	ug/mL

ICP INTERFERENCE CHECK SAMPLE

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Instrument ID: ICP5900-01
Calibration: 08/26/25
Sequence: S5H2703

Lab Sample ID	Analyte	True	Found	RL	% Rec	Acceptance Criteria	Units
S5H2703-IFA1	Zinc		0.00	0.025		-0.025 to 0.025	ug/mL

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Instrument ID: ICP5900-01
Calibration: 08/26/25
Sequence: S5H2703

Lab Sample ID	Analyte	True	Found	RL	% Rec	Acceptance Criteria	Units
S5H2703-IFB1	Aluminum	500	538.62	0.050	108	400 to 600	ug/mL
	Antimony	0.500	0.49	0.025	97.3	0 to 1	ug/mL
	Arsenic	0.500	0.49	0.015	97.6	0 to 1	ug/mL
	Barium	0.500	0.49	0.025	97.5	0 to 1	ug/mL
	Beryllium	0.500	0.50	0.0005	99.9	0 to 1	ug/mL
	Cadmium	1.00	0.87	0.003	87.0	1 to 1	ug/mL
	Calcium	500	472.95	0.050	94.6	400 to 600	ug/mL
	Chromium	0.500	0.47	0.005	93.7	0 to 1	ug/mL
	Cobalt	0.500	0.46	0.004	91.4	0 to 1	ug/mL
	Copper	0.500	0.59	0.020	118	0 to 1	ug/mL
	Iron	200	218.13	0.250	109	160 to 240	ug/mL
	Lead	1.00	0.92	0.005	92.0	1 to 1	ug/mL
	Magnesium	500	548.76	0.050	110	400 to 600	ug/mL
	Manganese	0.500	0.48	0.005	95.5	0 to 1	ug/mL
	Nickel	1.00	0.91	0.010	91.5	1 to 1	ug/mL
	Potassium		-0.20	0.050		-0.050 to 0.050	ug/mL
	Selenium	0.500	0.46	0.025	92.0	0 to 1	ug/mL
	Silver	1.00	1.10	0.005	110	1 to 1	ug/mL
	Sodium		0.27	0.500		-0.500 to 0.500	ug/mL
	Thallium	0.500	0.46	0.020	92.5	0 to 1	ug/mL
	Vanadium	0.500	0.49	0.010	98.3	0 to 1	ug/mL

ICP INTERFERENCE CHECK SAMPLE

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Instrument ID: ICP5900-01
Calibration: 08/26/25
Sequence: S5H2703

Lab Sample ID	Analyte	True	Found	RL	% Rec	Acceptance Criteria	Units
S5H2703-IFB1	Zinc	1.00	0.85	0.025	85.0	1 to 1	ug/mL

* Values outside of QC limits

Metals Linear Dynamic Range

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Instrument: ICP5900-01

CAS NO.	Analyte	Concentration mg/kg dry
7429-90-5	Aluminum	250000
7440-36-0	Antimony	5000
7440-38-2	Arsenic	25000
7440-39-3	Barium	12500
7440-41-7	Beryllium	1250
7440-43-9	Cadmium	3000
7440-70-2	Calcium	250000
7440-47-3	Chromium	5000
7440-48-4	Cobalt	12500
7440-50-8	Copper	6250
7439-89-6	Iron	100000
7439-92-1	Lead	15000
7439-95-4	Magnesium	250000
7439-96-5	Manganese	7500
7440-02-0	Nickel	12500
7440-09-7	Potassium	25000
7782-49-2	Selenium	10000
7440-22-4	Silver	6250
7440-23-5	Sodium	125000
7440-28-0	Thallium	12500
7440-62-2	Vanadium	12500
7440-66-6	Zinc	3000

IEC Factors

. Interferents Analytes	Cr (267.716 nm)	Fe (273.358 nm)
Ag (328.068 nm)	-0.000512	0.000001
Al (308.215 nm)	-0.006419	0.000027
Al (396.152 nm)	0.017878	0.000045
As (188.980 nm)	-0.002378	-0.000001
Ba (233.527 nm)	0.000151	0.000004
Be (313.042 nm)	0.001496	0.000002
Be (313.107 nm)	-0.000025	0.000000
Ca (227.547 nm)	0.163657	-0.017731
Ca (317.933 nm)	0.087767	0.000125
Cd (214.439 nm)	0.000293	0.000000
Co (228.615 nm)	-0.000593	0.000009
Cr (267.716 nm)		0.000004
Cu (324.754 nm)	0.001268	-0.000096
Fe (273.358 nm)	0.024515	
K (766.491 nm)	0.052779	0.000125
K (769.897 nm)	-0.587219	-0.000460
Mg (279.800 nm)	-0.005473	-0.000608
Mg (383.829 nm)	-0.033875	-0.000092
Mn (257.610 nm)	0.000361	0.000017
Na (330.237 nm)	-0.813358	-0.006070
Na (588.995 nm)	-0.025049	-0.000168
Ni (231.604 nm)	0.005525	0.000016
Pb (220.353 nm)	-0.003036	0.000000
S (180.669 nm)	0.016461	0.000084
Sb (206.834 nm)	0.006061	0.000130
Sb (217.582 nm)	0.001987	-0.000001
Se (196.026 nm)	0.000328	-0.000051
Tl (190.794 nm)	0.013342	0.000003
V (292.401 nm)	-0.001711	-0.000039
Zn (206.200 nm)	0.009868	-0.000003

BENCHSHEETS

SDG: 25H1532

CLASS: METALS

METHOD: EPA 6010D

PREPARATION BENCH SHEET : BH51875

Preparation Date: 08/25/2025 14:45

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	Final	Basic	Decanted If applicable Y/N	Comments
25H1532-01 F	Metals, Target Analyte	0.6	50						95C	4:42PM	9:50PM		
BH51875-BLK1	Metals, Target Analyte	0.6	50						95C	4:42PM	9:50PM		
BH51875-DUP1	Metals, Target Analyte	0.6	50					25H1532-01	95C	4:42PM	9:50PM		
BH51875-MS1	Metals, Target Analyte	0.6	50	S25G343	500			25H1532-01	95C	4:42PM	9:50PM		
BH51875-PS1	Metals, Target Analyte	0.12	10	S25G068	100			25H1532-01	95C	4:42PM	9:50PM		[Spk] 0.6g->50mL; 50mL->50mL
BH51875-SRM1	Metals, Target Analyte	0.6	50	S25H027	600				95C	4:42PM	9:50PM		

Reagent

Standard/Reagent ID	Description	LotNum
S25H088	Hydrochloric Acid, Instra-Analyzed (TraceMetal)	24021032
S25H089	Nitric Acid Instra-Analyzed (TraceMetal Grade)	1124120
S25H200	Hydrogen Peroxide, ACS grade	831101

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25G068	ICP Post Spike	-	100
S25G343	ICP Matrix Spike - Pre-Prep	-	500
S25H027	Soil SRM - ICP & ICPMS	D125-540	600

Preparations Performed by Jason W Tom **Date:** **08/04/2025 08:00**

METHOD DETECTION AND REPORTING LIMITS

EPA 8270E SIM

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: Soil **Instrument:** BNA #3

Analyte	LOD	LOQ	Units
1,4-Dioxane	3.70	20.0	ug/kg



Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID: 25H1532-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS/SIM

Sample Prepared by Method: EPA 3550C Results Reported to RL % Solids: 88.51

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.9	1	EPA 8270E SIM	08/23/2025 07:10	08/26/2025 15:01	[illegible]
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*94.0 %*			*39-127.5*					

extract in 14 days, analyzed within 40

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H2625	Instrument:	BNA #3
Batch:	BH51804	Calibration:	SJ50036

Surrogate Compound	Spike Level ug/kg	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (BH51804-BLK1) no qual QC sample			Lab File ID: SV308576.D		Analyzed: 08/26/25 12:55			
1,4-Dioxane-d8	500	130	39 - 127.5	4.592	4.59625	-0.0043	+/-0.50	*
LCS (BH51804-BS1)			Lab File ID: SV308577.D		Analyzed: 08/26/25 13:12			
1,4-Dioxane-d8	500	86.0	39 - 127.5	4.597	4.59625	0.0008	+/-0.50	
HVAC - Spoils (25H1532-01)			Lab File ID: SV308584.D		Analyzed: 08/26/25 15:01			
1,4-Dioxane-d8	472	94.0	39 - 127.5	4.608	4.59625	0.0117	+/-0.50	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BH51804	Laboratory ID:	BH51804-BS1
Preparation:	EPA 3550C	Initial/Final:	10 g / 10 mL

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC. #	QC LIMITS REC.	Q
1,4-Dioxane	500	442	88.4	40 - 130	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Batch:	BH51804 Batch Matrix: Soil	Preparation:	EPA 3550C

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC - Spoils	25H1532-01	SV308584.D	08/23/25 07:10	ROCKY
Blank	BH51804-BLK1	SV308576.D	08/23/25 08:38	
LCS	BH51804-BS1	SV308577.D	08/23/25 08:38	



FORM I

METHOD BLANK DATA SHEET

EPA 8270E SIM

CLEAN BLANK

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51804-BLK1
Project:	JA257006 Task 10.2			Calibration:	SJ50036
Preparation:	EPA 3550C	Prepared:	08/23/25 08:38	File ID:	SV308576.D
Instrument:	BNA #3	Analyzed:	08/26/25 12:55	Initial/Final:	10 g / 10 mL
Batch:	BH51804	Sequence:	S5H2625	Matrix:	Soil

Analyzed by: **ALS Environmental - Stratford**

Semivolatile Organic Compounds by GC/MS/SIM

Sample Prepared by Method: EPA 3550C

Results Reported to RL

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	20.0	1	EPA 8270E SIM	08/23/25 08:38	08/26/25 12:55	

	Surrogate Recoveries	Result		Acceptance Range
17647-74-4	1,4-Dioxane-d8	*130 %*	S-HI	*39-127.5*

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Lab File ID:	SV308223a.D	Injection Date:	08/13/25
Instrument ID:	BNA #3	Injection Time:	17:02
Sequence:	S5H1422	Lab Sample ID:	S5H1422-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10 - 80% of 198	39.6	PASS
68	Less than 2% of 69	1.75	PASS
69	Less than 100% of 198	43.5	PASS
70	Less than 2% of 69	0.408	PASS
127	10 - 80% of 198	59	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.84	PASS
275	10 - 60% of 198	25.3	PASS
365	1 - 100% of 198	3.26	PASS
441	0.01 - 24% of 442	15.8	PASS
442	50 - 100% of 198	98.7	PASS
443	15 - 24% of 442	19.7	PASS



FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E SIM

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Sequence: S5H1422
Instrument: BNA #3
Calibration: SJ50036

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H1422-TUN1	SV308223a.D	08/13/25 17:02
Cal Standard	S5H1422-CAL1	SV308227a.D	08/13/25 19:05
Cal Standard	S5H1422-CAL2	SV308228a.D	08/13/25 19:23
Cal Standard	S5H1422-CAL3	SV308229a.D	08/13/25 19:41
Cal Standard	S5H1422-CAL4	SV308230a.D	08/13/25 19:58
Cal Standard	S5H1422-CAL5	SV308231a.D	08/13/25 20:15
Cal Standard	S5H1422-CAL6	SV308232a.D	08/13/25 20:33
Cal Standard	S5H1422-CAL7	SV308233a.D	08/13/25 20:50
Cal Standard	S5H1422-CAL8	SV308234a.D	08/13/25 21:07
Secondary Cal Check	S5H1422-SCV1	SV308235a.D	08/13/25 21:24

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H2625	Instrument:	BNA #3
		Calibration:	SJ50036

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	S5H2625-CCV1	SV308575.D	08/26/25 12:26
Blank	BH51804-BLK1	SV308576.D	08/26/25 12:55
LCS	BH51804-BS1	SV308577.D	08/26/25 13:12
HVAC - Spoils	25H1532-01	SV308584.D	08/26/25 15:01
Calibration Check	S5H2625-CCV2	SV308586.D	08/26/25 15:33



missing Tune

provided in Rev 1

added from revised report

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Lab File ID:	SV308574.D	Injection Date:	08/26/25
Instrument ID:	BNA #3	Injection Time:	11:47
Sequence:	S5H2625	Lab Sample ID:	S5H2625-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10 - 80% of 198	30.1	PASS
68	Less than 2% of 69	0	PASS
69	Less than 100% of 198	36.8	PASS
70	Less than 2% of 69	0.506	PASS
127	10 - 80% of 198	49.9	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.27	PASS
275	10 - 60% of 198	26.5	PASS
365	1 - 100% of 198	2.83	PASS
441	0.01 - 24% of 442	14.8	PASS
442	50 - 100% of 198	86.8	PASS
443	15 - 24% of 442	22.5	PASS



FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E SIM

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H1422

SDG: 25H1532
Project: JA257006 Task 10.2
Instrument: BNA #3
Calibration: SJ50036

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H1422-CAL1)			Lab File ID: SV308227a.D			Analyzed: 08/13/25 19:05			
1,2-Dichlorobenzene-d4	931720	7.551	1037387	7.551	90	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1422-CAL2)			Lab File ID: SV308228a.D			Analyzed: 08/13/25 19:23			
1,2-Dichlorobenzene-d4	1036530	7.552	1037387	7.551	100	50 - 200	0.0010	+/-0.50	
Cal Standard (S5H1422-CAL3)			Lab File ID: SV308229a.D			Analyzed: 08/13/25 19:41			
1,2-Dichlorobenzene-d4	1254692	7.551	1037387	7.551	121	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1422-CAL4)			Lab File ID: SV308230a.D			Analyzed: 08/13/25 19:58			
1,2-Dichlorobenzene-d4	1342685	7.55	1037387	7.551	129	50 - 200	-0.0010	+/-0.50	
Cal Standard (S5H1422-CAL5)			Lab File ID: SV308231a.D			Analyzed: 08/13/25 20:15			
1,2-Dichlorobenzene-d4	1037387	7.551	1037387	7.551	100	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1422-CAL6)			Lab File ID: SV308232a.D			Analyzed: 08/13/25 20:33			
1,2-Dichlorobenzene-d4	985978	7.55	1037387	7.551	95	50 - 200	-0.0010	+/-0.50	
Cal Standard (S5H1422-CAL7)			Lab File ID: SV308233a.D			Analyzed: 08/13/25 20:50			
1,2-Dichlorobenzene-d4	1140043	7.546	1037387	7.551	110	50 - 200	-0.0050	+/-0.50	
Cal Standard (S5H1422-CAL8)			Lab File ID: SV308234a.D			Analyzed: 08/13/25 21:07			
1,2-Dichlorobenzene-d4	1174136	7.55	1037387	7.551	113	50 - 200	-0.0010	+/-0.50	
Secondary Cal Check (S5H1422-SCV1)			Lab File ID: SV308235a.D			Analyzed: 08/13/25 21:24			
1,2-Dichlorobenzene-d4	969862	7.546	1037387	7.551	93	50 - 200	-0.0050	+/-0.50	




FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E SIM

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2625

SDG: 25H1532
Project: JA257006 Task 10.2
Instrument: BNA #3
Calibration: SJ50036

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5H2625-CCV1)			Lab File ID: SV308575.D			Analyzed: 08/26/25 12:26			
1,2-Dichlorobenzene-d4	778573	7.546	1037387	7.551	75	50 - 200	-0.0050	+/-0.50	
Blank (BH51804-BLK1)			Lab File ID: SV308576.D			Analyzed: 08/26/25 12:55			
1,2-Dichlorobenzene-d4	664157	7.547	778573	7.546	85	50 - 200	0.0010	+/-0.50	
LCS (BH51804-BS1)			Lab File ID: SV308577.D			Analyzed: 08/26/25 13:12			
1,2-Dichlorobenzene-d4	936105	7.544	778573	7.546	120	50 - 200	-0.0020	+/-0.50	
HVAC - Spoils (25H1532-01)			Lab File ID: SV308584.D			Analyzed: 08/26/25 15:01			
1,2-Dichlorobenzene-d4	1130426	7.542	778573	7.546	145	50 - 200	-0.0040	+/-0.50	
Calibration Check (S5H2625-CCV2)			Lab File ID: SV308586.D			Analyzed: 08/26/25 15:33			
1,2-Dichlorobenzene-d4	1250563	7.54	778573	7.546	161	50 - 200	-0.0060	+/-0.50	

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E SIM

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SJ50036
Instrument: BNA #3
Calibration Date: 08/13/25 12:01

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
1,4-Dioxane	0.02	0.1728792	0.05	0.1402275	0.1	0.1218307	0.25	0.1306933	0.5	0.2180334	1	0.2246475
1,4-Dioxane-d8	0.02	0.3190068	0.05	0.2412665	0.1	0.1948446	0.25	0.2152433	0.5	0.4061869	1	0.4126725

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8270E SIM

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SJ50036

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: BNA #3

Calibration Date: 08/13/25 12:01

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
1,4-Dioxane	2	0.2060444	5	0.2049723								
1,4-Dioxane-d8	2	0.3816481	5	0.3767472								

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Calibration:	SJ50036	Instrument:	BNA #3
		Calibration Date:	08/13/25 12:01

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dioxane	0.177416	23.46891	4.64225	0.4378468		0.9991325	0.99	
1,4-Dioxane-d8	0.318452	28.05052	4.59625	0.4890038		0.9989526	0.99	

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E SIM

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SJ50036
Laboratory ID: S5H1422-SCV1
Sequence: S5H1422
Standard ID: S24C028

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
1,4-Dioxane	0.500	0.570	14.0	20.00
1,4-Dioxane-d8	0.500	0.550	10.0	20.00

* Values outside of QC limits



FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	BNA #3	Calibration:	SJ50036
Lab File ID:	SV308575.D	Calibration Date:	08/13/25 12:01
Sequence:	S5H2625	Injection Date:	08/26/25
Lab Sample ID:	S5H2625-CCV1	Injection Time:	12:26

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
1,4-Dioxane	A	0.500	0.540	0.177416	0.2258491		• 8.0	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	BNA #3	Calibration:	SJ50036
Lab File ID:	SV308586.D	Calibration Date:	08/13/25 12:01
Sequence:	S5H2625	Injection Date:	08/26/25
Lab Sample ID:	S5H2625-CCV2	Injection Time:	15:33

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
1,4-Dioxane	A	0.500	0.400	0.177416	0.1703313		• -20.0	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

BENCHSHEETS

SDG: 25H1532

CLASS: SVOA SIM

METHOD: EPA 8270E SIM

PREPARATION BENCH SHEET : BH51804

Preparation Date: 08/23/2025 07:10

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1532-01 F	Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil	10.6	10										ROCKY
BH51804-BLK1	Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil	10	10										
BH51804-BS1	Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil	10	10	S25H256	100								

Reagent

Standard/Reagent ID	Description	LotNum
S25E088	ACETONE	25A1862002
S25E237	Methylene Chloride OPTIMA	246557
S25H070	Baked Sodium Sulfate	502210

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25H256	BNA-1,4-Dioxane Spike -SOIL @50ug/ml	02212025	100

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25G444	EXT- 1,4-Dioxane-d8 SURROGATE - SOIL @ 50ug/ml	03122025	100

Preparations Performed by Alexander Fernandes **Date:** **07/24/2025 15:16**

SOIL 1,4-Dioxane 8270 SIM Isotope Dilution Factored Data

Prep Batch No. BH51804

	Enter	*Dilution Adjusted*	Enter	Enter into Element		
Sample ID	**1,4-Dioxane-d8 found, ug/mL**	**1,4-Dioxane-d8 found, ug/mL**	**1,4-Dioxane Detected, ug/mL**	**1,4-Dioxane ug/ml, Corrected**	**Dilution Factor**	**SURR, %R**
	SURROGATE	SURROGATE				
BH51804-BLK1	0.65	0.65		0.000	1.000	130.0
BH51804-BS1	0.43	0.43	0.38	0.442	1.000	86.0
BH51805-MS1	0.53	0.53	0.54	0.509	1.000	106.0
BH51805-MSD1	0.45	0.45	0.45	0.500	1.000	90.0
25H1175-01	0.34	0.34		0.000	1.000	68.0
25H1175-04	0.46	0.46		0.000	1.000	92.0
25H1175-07	0.25	0.25		0.000	1.000	50.0
25H1418-01	0.35	0.35		0.000	1.000	70.0
25H1532-01	0.47	0.47		0.000	1.000	94.0
25H1535-05	0.38	0.38		0.000	1.000	76.0
25H1535-06	0.55	0.55		0.000	1.000	110.0
25H1535-07	0.29	0.29		0.000	1.000	58.0
25H1535-08	0.33	0.33		0.000	1.000	66.0
25H1535-09	0.37	0.37		0.000	1.000	74.0
25H1535-10	0.45	0.45		0.000	1.000	90.0

METHOD DETECTION AND REPORTING LIMITS

SM 2510B m

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: Soil **Instrument:**

Analyte	LOD	LOQ	Units
Conductivity	1.000	1.000	umhos/cm

Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID:** **25H1532-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Wet Chemistry Parameters

Sample Prepared by Method: Analysis Preparation

Results Reported to RL

% Solids: 88.51

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7732-18-5	* Conductivity	69.46		umhos/cm	1.000	1.000	1	SM 2510B m	08/26/2025 07:52	08/26/2025 08:55	SMM

DUPLICATES

HVAC - Spoils

SM 2510B m

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Matrix: Soil
Batch: BH51919
Preparation: Analysis Preparation
Source Sample Name: HVAC - Spoils

SDG: 25H1532
Project: JA257006 Task 10.2
Laboratory ID: BH51919-DUP1
Lab Source ID: 25H1532-01
Initial/Final: 5 g / 100 mL
% Solids: 88.51

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (umhos/cm)	C	DUPLICATE CONCENTRATION (umhos/cm)	C	RPD %	Q	METHOD
Conductivity	5	69.46		69.82		0.517		SM 2510B m

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

SM 2510B m

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BH51919	Laboratory ID:	BH51919-BS1
Preparation:	Analysis Preparation	Initial/Final:	5 g / 100 mL

COMPOUND	SPIKE ADDED (umhos/cm)	LCS CONCENTRATION (umhos/cm)	LCS % REC. #	QC LIMITS REC.	Q
Conductivity	100	104.1	104	90 - 110	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

SM 2510B m

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Batch:	BH51919 Batch Matrix: Soil	Preparation:	Analysis Preparation

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC - Spoils	25H1532-01		08/26/25 07:52	
Blank	BH51919-BLK1		08/26/25 07:52	
LCS	BH51919-BS1		08/26/25 07:52	
HVAC - Spoils	BH51919-DUP1		08/26/25 07:52	



FORM I

CLEAN BLANK

METHOD BLANK DATA SHEET

SM 2510B m

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	BH51919-BLK1	File ID:	
Prepared:	08/26/25 07:52	Preparation:	Analysis Preparation	Initial/Final:	5 g / 100 mL
Analyzed:	08/26/25 08:55	Instrument:	Inst		
Batch:	BH51919	Sequence:		Calibration:	

CAS NO.	COMPOUND	CONC. (umhos/cm)	Q
7732-18-5	Conductivity	1.000	U

BENCHSHEETS

SDG: 25H1532

CLASS: WET

METHOD: SM 2510B m

PREPARATION BENCH SHEET : BH51919

Preparation Date: 08/26/2025 07:52

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1532-01 I	Conductivity (Specific Conductance)	5	100										
BH51919-BLK1	Conductivity (Specific Conductance)	5	100										
BH51919-BS1	Conductivity (Specific Conductance)	5	100	S25B199	1								
BH51919-DUP1	Conductivity (Specific Conductance)	5	100					25H1532-01					

Reagent

Standard/Reagent ID	Description	LotNum
S25G348	CONDUCTIVITY CCV STOCK SOL @1000 UMHOS/CM	W2-COND749830
S25H265	Conductivity Std 100uS/cm	CQ1
S25H266	Conductivity Std 1413uS/cm	CQ2
S25H267	Conductivity Std 12.9mS/cm	BO1

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25B199	Conductivity LCS MADE @100 umhos/cm	091123	1

Preparations Performed by Sienna M Matregrano **Date:** **02/13/2025 11:50**

Instrument

Batch: BH51919 Analyzed Date: 8/26/2025

Analyst: SMM Analyzed Time: 8:15

Sample ID	QC Source	µmhoS/cm	% Recovery/RPD
BH51919-BLK1		0.577	#VALUE!
BH51919-BS1		105.7	#VALUE!
CCV (95-105%)		104.1	#VALUE!
25H1532-01		69.43	
BH51919-DUP1		69.82	
CCV (95-105%)		103.2	#VALUE!

METHOD DETECTION AND REPORTING LIMITS

EPA 8015D

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: Soil **Instrument:** GCFID2

Analyte	LOD	LOQ	Units
Total Petroleum Hydrocarbons-DRO	3.40	10.0	mg/kg



Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID: 25H1532-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Gas Chromatography/Flame Ionization Detector

Sample Prepared by Method: EPA 3550C

Results Reported to RL

% Solids: 88.51

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
68334-30-5	**Total Petroleum Hydrocarbons-DRO**	62.8		mg/kg dry	11.0	1	EPA 8015D	08/26/2025 09:01	08/26/2025 18:21	GXB
638-68-6	*Surrogate: Triacontane*	*75.6 %*			*30-150*					

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8015D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H2624	Instrument:	GCFID2
Batch:	BH51928	Calibration:	SG50030

Surrogate Compound	Spike Level mg/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (BH51928-BLK1)			Lab File ID: GCFID2-0005490.D		Analyzed: 08/26/25 14:09			
Triacontane	9.90	81.4	30 - 150	5.744	5.864	-0.1200	+/-0.50	
LCS (BH51928-BS1)			Lab File ID: GCFID2-0005491.D		Analyzed: 08/26/25 14:09			
Triacontane	9.90	78.0	30 - 150	5.685	5.776428	-0.0914	+/-0.50	
HVAC - Spoils (25H1532-01)			Lab File ID: GCFID2-0005519.D		Analyzed: 08/26/25 18:21			
Triacontane	11.0	75.6	30 - 150	5.669	5.776428	-0.1074	+/-0.50	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8015D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BH51928	Laboratory ID:	BH51928-BS1
Preparation:	EPA 3550C	Initial/Final:	10.1 g / 1 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
Total Petroleum Hydrocarbons-DRO	170	183	108	40 - 140	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8015D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Batch:	BH51928 Batch Matrix: Soil	Preparation:	EPA 3550C

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC - Spoils	25H1532-01	GCFID2-0005519.D	08/26/25 09:01	
Blank	BH51928-BLK1	GCFID2-0005490.D	08/26/25 09:01	
LCS	BH51928-BS1	GCFID2-0005491.D	08/26/25 09:01	



FORM I

METHOD BLANK DATA SHEET

EPA 8015D

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Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51928-BLK1
Project:	JA257006 Task 10.2			Calibration:	SG50030
Preparation:	EPA 3550C	Prepared:	08/26/25 09:01	File ID:	GCFID2-0005490.D
Instrument:	GCFID2	Analyzed:	08/26/25 14:09	Initial/Final:	10.1 g / 1 mL
Batch:	BH51928	Sequence:	S5H2624	Matrix:	Soil

Analyzed by: **ALS Environmental - Stratford**

Gas Chromatography/Flame Ionization Detector

Sample Prepared by Method: EPA 3550C

Results Reported to RL

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
68334-30-5	Total Petroleum Hydrocarbons-DRO	ND		mg/kg wet	9.90	1	EPA 8015D	08/26/25 09:01	08/26/25 14:09	

	Surrogate Recoveries	Result	Acceptance Range
638-68-6	Triacontane	*81.4 %*	*30-150*

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8015D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5G2002	Instrument:	GCFID2
		Calibration:	SG50029

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	S5G2002-CAL2	GCFID2-0004513.D	07/19/25 11:51
Cal Standard	S5G2002-CAL3	GCFID2-0004515.D	07/19/25 12:10
Cal Standard	S5G2002-CAL4	GCFID2-0004517.D	07/19/25 12:28
Cal Standard	S5G2002-CAL5	GCFID2-0004519.D	07/19/25 12:46
Cal Standard	S5G2002-CAL6	GCFID2-0004521.D	07/19/25 13:04
Cal Standard	S5G2002-CAL7	GCFID2-0004523.D	07/19/25 13:22
Cal Standard	S5G2002-CAL8	GCFID2-0004525.D	07/19/25 13:40
Secondary Cal Check	S5G2002-SCV1	GCFID2-0004527.D	07/19/25 13:58



FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8015D

assoc QC only

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Sequence: S5G2005
Instrument: GCFID2
Calibration: SG50030

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	S5G2005-CAL2	GCFID2-0004544.D	07/20/25 12:21
Cal Standard	S5G2005-CAL3	GCFID2-0004546.D	07/20/25 12:39
Cal Standard	S5G2005-CAL4	GCFID2-0004548.D	07/20/25 12:58
Cal Standard	S5G2005-CAL5	GCFID2-0004550.D	07/20/25 13:16
Cal Standard	S5G2005-CAL6	GCFID2-0004552.D	07/20/25 13:34
Cal Standard	S5G2005-CAL7	GCFID2-0004554.D	07/20/25 13:52
Cal Standard	S5G2005-CAL8	GCFID2-0004556.D	07/20/25 14:11
Secondary Cal Check	S5G2005-SCV1	GCFID2-0004558.D	07/20/25 14:29

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8015D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H2623	Instrument:	GCFID2
		Calibration:	SG50029

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	S5H2623-CCV1	GCFID2-0005487.D	08/26/25 13:33
LCS	BH51928-BS1	GCFID2-0005491.D	08/26/25 14:09
Calibration Check	S5H2623-CCV2	GCFID2-0005497.D	08/26/25 15:03
HVAC - Spoils	25H1532-01	GCFID2-0005519.D	08/26/25 18:21
Calibration Check	S5H2623-CCV3	GCFID2-0005533.D	08/26/25 20:27



FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8015D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H2624	Instrument:	GCFID2
		Calibration:	SG50030

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	S5H2624-CCV1	GCFID2-0005488.D	08/26/25 13:51
Blank	BH51928-BLK1	GCFID2-0005490.D	08/26/25 14:09
Calibration Check	S5H2624-CCV2	GCFID2-0005496.D	08/26/25 15:03
Calibration Check	S5H2624-CCV3	GCFID2-0005532.D	08/26/25 20:27

FORM VI

INITIAL CALIBRATION DATA

EPA 8015D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SG50029
Instrument: GCFID2
Calibration Date: 07/20/25 10:15

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Total Petroleum Hydrocarbons-DRO	86	277522.6	430	143663.7	1720	135683.3	4300	136139.7	17200	140040.8	34400	161220.3
Triacontane	20	162378.8	40	158338.7	60	167720.5	80	179834.6	100	182225.6	200	193577.8

FORM VI

INITIAL CALIBRATION DATA

EPA 8015D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SG50030
Instrument: GCFID2
Calibration Date: 07/20/25 06:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Total Petroleum Hydrocarbons-DRO	86	150800	430	124262.3	1720	129757.6	4300	134299.8	17200	141578.4	34400	136280.5
Triacontane	20	165006.2	40	164221.3	60	180685.2	80	208773.9	100	205070.8	200	186323.7

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8015D

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SG50029

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: GCFID2

Calibration Date: 07/20/25 10:15

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Total Petroleum Hydrocarbons-DRO	50000	144026.7										
Triacontane	400	170147.6										

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8015D

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SG50030

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: GCFID2

Calibration Date: 07/20/25 06:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Total Petroleum Hydrocarbons-DRO	50000	125666.8										
Triacontane	400	165413.8										

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8015D

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SG50029

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: GCFID2

Calibration Date: 07/20/25 10:15 >0.99

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Total Petroleum Hydrocarbons-DRO	162613.9	31.60309	2.713	1.352189E-02	0.99743			
Triacontane	173460.5	7.129203	5.776428	0.5709055			15	

missing equation

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8015D

used for QC only

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Calibration: SG50030
SDG: 25H1532
Project: JA257006 Task 10.2
Instrument: GCFID2
Calibration Date: 07/20/25 06:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Total Petroleum Hydrocarbons-DRO	134663.6	6.940638	2.713	1.352189E-02	0.99831			
Triacontane	182213.5	10.38677	5.864	0.1433764			15	

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8015D

Laboratory: ALS Environmental - Stratford

SDG: 25H1532

Client: Terracon Consultants, Inc.

Project: JA257006 Task 10.2

Calibration: SG50029

Laboratory ID: S5G2002-SCV1

Sequence: S5G2002

Standard ID: S25F126

80-120%
no lab limit. Method limit used

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
Total Petroleum Hydrocarbons-DRO	2000	• 1860	• -7.0	

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8015D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SG50030
Laboratory ID: S5G2005-SCV1
Sequence: S5G2005
Standard ID: S25F126

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
Total Petroleum Hydrocarbons-DRO	2000	1890	-5.4	

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8015D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	GCFID2	Calibration:	SG50029
Lab File ID:	GCFID2-0005487.D	Calibration Date:	07/20/25 10:15
Sequence:	S5H2623	Injection Date:	08/26/25
Lab Sample ID:	S5H2623-CCV1	Injection Time:	13:33

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Total Petroleum Hydrocarbons-DRO	A	1720	1860	162613.9	161167		8.3		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8015D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	GCFID2	Calibration:	SG50029
Lab File ID:	GCFID2-0005497.D	Calibration Date:	07/20/25 10:15
Sequence:	S5H2623	Injection Date:	08/26/25
Lab Sample ID:	S5H2623-CCV2	Injection Time:	15:03

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Total Petroleum Hydrocarbons-DRO	A	1720	1860	162613.9	160723.4		8.0		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8015D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	GCFID2	Calibration:	SG50029
Lab File ID:	GCFID2-0005533.D	Calibration Date:	07/20/25 10:15
Sequence:	S5H2623	Injection Date:	08/26/25
Lab Sample ID:	S5H2623-CCV3	Injection Time:	20:27

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8015D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	GCFID2	Calibration:	SG50029
Lab File ID:	GCFID2-0005533.D	Calibration Date:	07/20/25 10:15
Sequence:	S5H2623	Injection Date:	08/26/25
Lab Sample ID:	S5H2623-CCV3	Injection Time:	20:27

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Total Petroleum Hydrocarbons-DRO	A	1720	1860	162613.9	160950.7		* 8.2		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8015D

CCV for MB

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	GCFID2	Calibration:	SG50030
Lab File ID:	GCFID2-0005488.D	Calibration Date:	07/20/25 06:00
Sequence:	S5H2624	Injection Date:	08/26/25
Lab Sample ID:	S5H2624-CCV1	Injection Time:	13:51

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Total Petroleum Hydrocarbons-DRO	A	1720	1880	134663.6	141867.2		9.1		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8015D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	GCFID2	Calibration:	SG50030
Lab File ID:	GCFID2-0005496.D	Calibration Date:	07/20/25 06:00
Sequence:	S5H2624	Injection Date:	08/26/25
Lab Sample ID:	S5H2624-CCV2	Injection Time:	15:03

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Total Petroleum Hydrocarbons-DRO	A	1720	1800	134663.6	136049.7		4.6		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8015D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	GCFID2	Calibration:	SG50030
Lab File ID:	GCFID2-0005532.D	Calibration Date:	07/20/25 06:00
Sequence:	S5H2624	Injection Date:	08/26/25
Lab Sample ID:	S5H2624-CCV3	Injection Time:	20:27

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8015D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	GCFID2	Calibration:	SG50030
Lab File ID:	GCFID2-0005532.D	Calibration Date:	07/20/25 06:00
Sequence:	S5H2624	Injection Date:	08/26/25
Lab Sample ID:	S5H2624-CCV3	Injection Time:	20:27

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Total Petroleum Hydrocarbons-DRO	A	1720	1970	134663.6	149264.5		14.8		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

BENCHSHEETS

SDG: 25H1532

CLASS: SVOA

METHOD: EPA 8015D

PREPARATION BENCH SHEET : BH51928

Preparation Date: 08/26/2025 09:01

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1532-01 F	Total Petroleum Hydrocarbons-DRO (C10-C28)	10.3	1										
BH51928-BLK1	Total Petroleum Hydrocarbons-DRO (C10-C28)	10.1	1										
BH51928-BS1	Total Petroleum Hydrocarbons-DRO (C10-C28)	10.1	1	S25F247	100								

Reagent

Standard/Reagent ID	Description	LotNum
S25E087	ACETONE	25A1862002
S25G028	Baked Sodium Sulfate	436102
S25G054	Methylene Chloride OPTIMA	250345

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25F247	TPHDRO MATRIX SPIKE@ 17200 ug/mL	061325	100

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25H146	TPHDRO Surrogate @ 1000ppm	072925	100

Preparations Performed by Ben Johnson **Date:** **08/07/2025 17:45**

METHOD DETECTION AND REPORTING LIMITS

EPA 8015D

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: Soil **Instrument:** GC-GRO

Analyte	LOD	LOQ	Units
Total Petroleum Hydrocarbons-GRO	0.800	0.800	mg/kg



Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID: 25H1532-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Gas Chromatography/Flame Ionization Detector

Sample Prepared by Method: EPA 5035A

Results Reported to RL

% Solids: 88.51

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
8006-61-9	Total Petroleum Hydrocarbons-GRO	ND		mg/kg dry	72.5	100	EPA 8015D	08/22/2025 08:26	08/25/2025 12:16	scb
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.0 %*			*52-146*					

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8015D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H2602	Instrument:	GC-GRO
Batch:	BH51754	Calibration:	SH50048

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Reference (BH51754-SRM1)			Lab File ID: GG740438.D		Analyzed: 08/25/25 08:12			
SURR: p-Bromofluorobenzene	200	106	52 - 146	6.761	6.76	0.0010	+/-0.50	
Blank (BH51754-BLK1)			Lab File ID: GG740439.D		Analyzed: 08/25/25 08:40			
SURR: p-Bromofluorobenzene	200	113	52 - 146	6.76	6.76	0.0000	+/-0.50	
HVAC - Spoils (25H1532-01)			Lab File ID: GG740447.D		Analyzed: 08/25/25 12:16			
SURR: p-Bromofluorobenzene	200	96.0	52 - 146	6.76	6.76	0.0000	+/-0.50	

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8015D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Batch:	BH51754 Batch Matrix: Soil	Preparation:	EPA 5035A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC - Spoils	25H1532-01	GG740447.D	08/22/25 08:26	
Blank	BH51754-BLK1	GG740439.D	08/22/25 09:09	
Reference	BH51754-SRM1	GG740438.D	08/22/25 09:09	



FORM I

METHOD BLANK DATA SHEET
EPA 8015D

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51754-BLK1
Project:	JA257006 Task 10.2			Calibration:	SH50048
Preparation:	EPA 5035A	Prepared:	08/22/25 09:09	File ID:	GG740439.D
Instrument:	GC-GRO	Analyzed:	08/25/25 08:40	Initial/Final:	5 g / 5 ml
Batch:	BH51754	Sequence:	S5H2602	Matrix:	Soil

Analyzed by: **ALS Environmental - Stratford**

Gas Chromatography/Flame Ionization Detector
Sample Prepared by Method: EPA 5035A

Results Reported to RL

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
8006-61-9	Total Petroleum Hydrocarbons-GRO	ND		mg/kg wet	80.0	100	EPA 8015D	08/22/25 09:09	08/25/25 08:40	

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	SURR: p-Bromofluorobenzene	*113 %*	*52-146*

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8015D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Sequence: S5H2501
Instrument: GC-GRO
Calibration: SH50048

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	S5H2501-CAL1	GG740425a.D	08/22/25 14:42
Cal Standard	S5H2501-CAL2	GG740426a.D	08/22/25 15:09
Cal Standard	S5H2501-CAL3	GG740427a.D	08/22/25 15:36
Cal Standard	S5H2501-CAL4	GG740428a.D	08/22/25 16:04
Cal Standard	S5H2501-CAL5	GG740429a.D	08/22/25 16:31
Cal Standard	S5H2501-CAL6	GG740430a.D	08/22/25 16:58
Cal Standard	S5H2501-CAL7	GG740431a.D	08/22/25 17:25
Secondary Cal Check	S5H2501-SCV1	GG740433a.D	08/22/25 18:19



FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8015D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H2602	Instrument:	GC-GRO
		Calibration:	SH50048

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	S5H2602-CCV1	GG740437.D	08/25/25 07:44
Reference	BH51754-SRM1	GG740438.D	08/25/25 08:12
Blank	BH51754-BLK1	GG740439.D	08/25/25 08:40
HVAC - Spoils	25H1532-01	GG740447.D	08/25/25 12:16
Calibration Check	S5H2602-CCV2	GG740455.D	08/25/25 15:55



FORM VI

INITIAL CALIBRATION DATA

EPA 8015D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50048
Instrument: GC-GRO
Calibration Date: 08/22/25 07:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
SURR: p-Bromofluorobenzene	200	27522.98	200	28845.1	200	27684.28	200	28857.99	200	28975.49	200	26617.71
Total Petroleum Hydrocarbons-GRO	800	39544.74	1600	39089.19	3200	40766.72	8000	40264.09	16000	40203.04	20000	36335.3

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8015D

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50048

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: GC-GRO

Calibration Date: 08/22/25 07:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
SURR: p-Bromofluorobenzene	200	26765.46										
Total Petroleum Hydrocarbons-GRO	32000	48335.19										

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8015D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Calibration:	SH50048	Instrument:	GC-GRO
		Calibration Date:	08/22/25 07:00

>0.01 <20%

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
SURR: p-Bromofluorobenzene	27895.57	3.610881	6.76	2.129429E-02			30	
Total Petroleum Hydrocarbons-GRO	• 40648.32	9.077989	5	0			30	



SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8015D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50048
Laboratory ID: S5H2501-SCV1
Sequence: S5H2501
Standard ID: S25B386

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
Total Petroleum Hydrocarbons-GRO	5000	4010	-19.9	20.00
SURR: p-Bromofluorobenzene	200	189	-5.5	

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8015D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	GC-GRO	Calibration:	SH50048
Lab File ID:	GG740437.D	Calibration Date:	08/22/25 07:00
Sequence:	S5H2602	Injection Date:	08/25/25
Lab Sample ID:	S5H2602-CCV1	Injection Time:	07:44

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Total Petroleum Hydrocarbons-GRO	A	3200	3010	40648.32	38254.03		-5.9	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8015D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	GC-GRO	Calibration:	SH50048
Lab File ID:	GG740455.D	Calibration Date:	08/22/25 07:00
Sequence:	S5H2602	Injection Date:	08/25/25
Lab Sample ID:	S5H2602-CCV2	Injection Time:	15:55

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Total Petroleum Hydrocarbons-GRO	A	3200	2810	40648.32	35724.88		-12.1	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

BENCHSHEETS

SDG: 25H1532

CLASS: VOA

METHOD: EPA 8015D

PREPARATION BENCH SHEET : BH51754

Preparation Date: 08/22/2025 08:26

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1532-01 E	Total Petroleum Hydrocarbons-GRO (C5-C10)	6.23	5										
BH51754-BLK1	Total Petroleum Hydrocarbons-GRO (C5-C10)	5	5										
BH51754-SRM1	Total Petroleum Hydrocarbons-GRO (C5-C10)	5	5	S24K176	5000								

Reagent

Standard/Reagent ID	Description	LotNum
S25F243	VOA - Methanol P&T	EI863-US

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S24K176	GRO- SRM/LCS @332 mg/kg-SOIL	121721	5000

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25G006	GRO SURROGATE 4-BFB [1000uppm] & on inst =0.200ppm	-	1

Preparations Performed by Stephanie C. Brathwaite **Date:** **07/01/2025 09:54**

METHOD DETECTION AND REPORTING LIMITS

EPA 8081B

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: Soil **Instrument:** PEST7

Analyte	LOD	LOQ	Units
4,4'-DDD	0.000330	0.000330	mg/kg
4,4'-DDD [2C]	0.000330	0.000330	mg/kg
4,4'-DDE	0.000330	0.000330	mg/kg
4,4'-DDE [2C]	0.000330	0.000330	mg/kg
4,4'-DDT	0.000330	0.000330	mg/kg
4,4'-DDT [2C]	0.000330	0.000330	mg/kg
Aldrin	0.000330	0.000330	mg/kg
Aldrin [2C]	0.000330	0.000330	mg/kg
alpha-BHC	0.000330	0.000330	mg/kg
alpha-BHC [2C]	0.000330	0.000330	mg/kg
alpha-Chlordane	0.000330	0.000330	mg/kg
alpha-Chlordane [2C]	0.000330	0.000330	mg/kg
beta-BHC	0.000330	0.000330	mg/kg
beta-BHC [2C]	0.000330	0.000330	mg/kg
Chlordane, total	0.00660	0.00660	mg/kg
Chlordane, total (alpha, gamma)	0.000330	0.000330	mg/kg
Chlordane, total (alpha, gamma) [2C]	0.000330	0.000330	mg/kg
Chlordane, total [2C]	0.00660	0.00660	mg/kg
delta-BHC	0.000330	0.000330	mg/kg
delta-BHC [2C]	0.000330	0.000330	mg/kg
Dieldrin	0.000330	0.000330	mg/kg
Dieldrin [2C]	0.000330	0.000330	mg/kg
Endosulfan I	0.000330	0.000330	mg/kg
Endosulfan I [2C]	0.000330	0.000330	mg/kg
Endosulfan II	0.000330	0.000330	mg/kg
Endosulfan II [2C]	0.000330	0.000330	mg/kg
Endosulfan sulfate	0.000330	0.000330	mg/kg
Endosulfan sulfate [2C]	0.000330	0.000330	mg/kg
Endrin	0.000330	0.000330	mg/kg
Endrin [2C]	0.000330	0.000330	mg/kg
Endrin aldehyde	0.000330	0.000330	mg/kg
Endrin aldehyde [2C]	0.000330	0.000330	mg/kg
Endrin ketone	0.000330	0.000330	mg/kg
Endrin ketone [2C]	0.000330	0.000330	mg/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8081B

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: Soil **Instrument:** PEST7

Analyte	LOD	LOQ	Units
gamma-BHC (Lindane)	0.000330	0.000330	mg/kg
gamma-BHC (Lindane) [2C]	0.000330	0.000330	mg/kg
gamma-Chlordane	0.000330	0.000330	mg/kg
gamma-Chlordane [2C]	0.000330	0.000330	mg/kg
Heptachlor	0.000330	0.000330	mg/kg
Heptachlor [2C]	0.000330	0.000330	mg/kg
Heptachlor epoxide	0.000330	0.000330	mg/kg
Heptachlor epoxide [2C]	0.000330	0.000330	mg/kg
Methoxychlor	0.000330	0.000330	mg/kg
Methoxychlor [2C]	0.000330	0.000330	mg/kg
Mirex	0.000330	0.000330	mg/kg
Mirex [2C]	0.000330	0.000332	mg/kg
Toxaphene	0.0330	0.0330	mg/kg
Toxaphene [2C]	0.0330	0.0330	mg/kg

Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID: 25H1532-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Organochlorine Pesticides by GC/ECD

extract within 14 days

analyze within 40 day

Sample Prepared by Method: EPA 3550C

Results Reported to RL

% Solids: 88.51

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00185	5	EPA 8081B	08/23/2025 11:52	08/25/2025 13:43	RJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B	08/23/2025 11:52	08/25/2025 13:43	RJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00185	5	EPA 8081B	08/23/2025 11:52	08/25/2025 13:43	RJ
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B	08/23/2025 11:52	08/25/2025 13:43	RJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	08/23/2025 11:52	08/25/2025 13:43	RJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	08/23/2025 11:52	08/25/2025 13:43	RJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0369	5	EPA 8081B	08/23/2025 11:52	08/25/2025 13:43	RJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	08/23/2025 11:52	08/25/2025 13:43	RJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B	08/23/2025 11:52	08/25/2025 13:43	RJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B	08/23/2025 11:52	08/25/2025 13:43	RJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B	08/23/2025 11:52	08/25/2025 13:43	RJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B	08/23/2025 11:52	08/25/2025 13:43	RJ
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B	08/23/2025 11:52	08/25/2025 13:43	RJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00185	5	EPA 8081B	08/23/2025 11:52	08/25/2025 13:43	RJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00185	5	EPA 8081B	08/23/2025 11:52	08/25/2025 13:43	RJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B	08/23/2025 11:52	08/25/2025 13:43	RJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B	08/23/2025 11:52	08/25/2025 13:43	RJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00185	5	EPA 8081B	08/23/2025 11:52	08/25/2025 13:43	RJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00185	5	EPA 8081B	08/23/2025 11:52	08/25/2025 13:43	RJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.185	5	EPA 8081B	08/23/2025 11:52	08/25/2025 13:43	RJ
2051-24-3	*Surrogate: Decachlorobiphenyl*	*63.1 %*			*30-150*					
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*82.9 %*			*30-150*					

SECOND COLUMN ANALYSIS DATA SHEET

HVAC - Spoils

Laboratory: ALS Environmental - Stratford | SDG: 25H1532

Client: Terracon Consultants, Inc. | Project: JA257006 Task 10.2

Matrix: Soil | Laboratory ID: 25H1532-01 | File ID: P7043758.D

Sampled: 08/20/25 13:07 | Prepared: 08/23/25 11:52 | Analyzed: 08/25/25 13:43

Solids: 88.51 | Preparation: EPA 3550C | Initial/Final: 30.3 g / 10 mL

Batch: BH51816 | Sequence: S5H2541 | Calibration: SF50002 | Instrument: PEST7

CAS NO.	COMPOUND	DILUTION	COL 1 (mg/kg dry)	COL 2 (mg/kg dry)	% Diff	Q
72-54-8	4,4'-DDD	5	0.00185	0.00185		U
72-55-9	4,4'-DDE	5	0.00185	0.00185		U
50-29-3	4,4'-DDT	5	0.00185	0.00185		U
309-00-2	Aldrin	5	0.00185	0.00185		U
319-84-6	alpha-BHC	5	0.00185	0.00185		U
319-85-7	beta-BHC	5	0.00185	0.00185		U
319-86-8	delta-BHC	5	0.00185	0.00185		U
60-57-1	Dieldrin	5	0.00185	0.00185		U
959-98-8	Endosulfan I	5	0.00185	0.00185		U
33213-65-9	Endosulfan II	5	0.00185	0.00185		U
1031-07-8	Endosulfan sulfate	5	0.00185	0.00185		U
72-20-8	Endrin	5	0.00185	0.00185		U
7421-93-4	Endrin aldehyde	5	0.00185	0.00185		U
53494-70-5	Endrin ketone	5	0.00185	0.00185		U
58-89-9	gamma-BHC (Lindane)	5	0.00185	0.00185		U
76-44-8	Heptachlor	5	0.00185	0.00185		U
1024-57-3	Heptachlor epoxide	5	0.00185	0.00185		U
72-43-5	Methoxychlor	5	0.00185	0.00185		U
8001-35-2	Toxaphene	5	0.185	0.185		U
57-74-9	Chlordane, total	5	0.0369	0.0369		U

SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	0.0746	0.0471	63.1	30 - 150	
Tetrachloro-m-xylene	0.0746	0.0618	82.9	30 - 150	

* Values outside of QC limits

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H2541	Instrument:	PEST7
Batch:	BH51816	Calibration:	SF50002

Surrogate Compound	Spike Level mg/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (BH51816-BLK1)			Lab File ID: P7043745.D		Analyzed: 08/25/25 10:01			
Decachlorobiphenyl	0.0664	64.2	30 - 150	10.331	10.345	-0.0140	+/-0.50	
Decachlorobiphenyl [2C]	0.0664	66.5	30 - 150	11.877	11.88762	-0.0106	+/-0.50	
Tetrachloro-m-xylene	0.0664	77.1	30 - 150	2.814	2.817625	-0.0036	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0664	73.7	30 - 150	2.957	2.963625	-0.0066	+/-0.50	
LCS (BH51816-BS1)			Lab File ID: P7043746.D		Analyzed: 08/25/25 10:18			
Decachlorobiphenyl	0.0664	66.6	30 - 150	10.323	10.345	-0.0220	+/-0.50	
Decachlorobiphenyl [2C]	0.0664	69.3	30 - 150	11.875	11.88762	-0.0126	+/-0.50	
Tetrachloro-m-xylene	0.0664	72.3	30 - 150	2.811	2.817625	-0.0066	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0664	68.2	30 - 150	2.958	2.963625	-0.0056	+/-0.50	
HVAC - Spoils (25H1532-01)			Lab File ID: P7043758.D		Analyzed: 08/25/25 13:43			
Decachlorobiphenyl	0.0746	63.1	30 - 150	10.319	10.345	-0.0260	+/-0.50	
Tetrachloro-m-xylene	0.0746	82.9	30 - 150	2.81	2.817625	-0.0076	+/-0.50	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BH51816	Laboratory ID:	BH51816-BS1
Preparation:	EPA 3550C	Initial/Final:	30.1 g / 10 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
4,4'-DDD	0.0332	0.0259	78.1	40 - 140	
4,4'-DDD [2C]	0.0332	0.0283	85.3	40 - 140	
4,4'-DDE	0.0332	0.0257	77.4	40 - 140	
4,4'-DDE [2C]	0.0332	0.0270	81.2	40 - 140	
4,4'-DDT	0.0332	0.0270	81.4	40 - 140	
4,4'-DDT [2C]	0.0332	0.0275	82.8	40 - 140	
Aldrin	0.0332	0.0267	80.2	40 - 140	
Aldrin [2C]	0.0332	0.0266	80.2	40 - 140	
alpha-BHC	0.0332	0.0262	78.8	40 - 140	
alpha-BHC [2C]	0.0332	0.0210	63.2	40 - 140	
alpha-Chlordane	0.0332	0.0270	81.3	40 - 140	
alpha-Chlordane [2C]	0.0332	0.0267	80.3	40 - 140	
beta-BHC	0.0332	0.0282	85.0	40 - 140	
beta-BHC [2C]	0.0332	0.0276	83.0	40 - 140	
delta-BHC	0.0332	0.0240	72.2	40 - 140	
delta-BHC [2C]	0.0332	0.0215	64.8	40 - 140	
Dieldrin	0.0332	0.0267	80.4	40 - 140	
Dieldrin [2C]	0.0332	0.0266	80.1	40 - 140	
Endosulfan I	0.0332	0.0295	88.8	40 - 140	
Endosulfan I [2C]	0.0332	0.0286	86.0	40 - 140	
Endosulfan II	0.0332	0.0290	87.4	40 - 140	
Endosulfan II [2C]	0.0332	0.0300	90.3	40 - 140	
Endosulfan sulfate	0.0332	0.0268	80.8	40 - 140	
Endosulfan sulfate [2C]	0.0332	0.0273	82.1	40 - 140	
Endrin	0.0332	0.0268	80.6	40 - 140	
Endrin [2C]	0.0332	0.0270	81.4	40 - 140	
Endrin aldehyde	0.0332	0.0196	58.9	40 - 140	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BH51816	Laboratory ID:	BH51816-BS1
Preparation:	EPA 3550C	Initial/Final:	30.1 g / 10 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
Endrin aldehyde [2C]	0.0332	0.0202	60.9	40 - 140	
Endrin ketone	0.0332	0.0287	86.2	40 - 140	
Endrin ketone [2C]	0.0332	0.0288	86.6	40 - 140	
gamma-BHC (Lindane)	0.0332	0.0257	77.3	40 - 140	
gamma-BHC (Lindane) [2C]	0.0332	0.0227	68.4	40 - 140	
gamma-Chlordane	0.0332	0.0268	80.8	40 - 140	
gamma-Chlordane [2C]	0.0332	0.0274	82.6	40 - 140	
Heptachlor	0.0332	0.0266	80.0	40 - 140	
Heptachlor [2C]	0.0332	0.0289	87.0	40 - 140	
Heptachlor epoxide	0.0332	0.0275	82.9	40 - 140	
Heptachlor epoxide [2C]	0.0332	0.0274	82.4	40 - 140	
Methoxychlor	0.0332	0.0274	82.3	40 - 140	
Methoxychlor [2C]	0.0332	0.0292	88.0	40 - 140	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Batch:	BH51816 Batch Matrix: Soil	Preparation:	EPA 3550C

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC - Spoils	25H1532-01	P7043758.D	08/23/25 11:52	
Blank	BH51816-BLK1	P7043745.D	08/24/25 10:20	
LCS	BH51816-BS1	P7043746.D	08/24/25 10:20	



FORM I

CLEAN BLANK

METHOD BLANK DATA SHEET

EPA 8081B

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51816-BLK1
Project:	JA257006 Task 10.2			Calibration:	SF50002
Preparation:	EPA 3550C	Prepared:	08/24/25 10:20	File ID:	P7043745.D
Instrument:	PEST7	Analyzed:	08/25/25 10:01	Initial/Final:	30.1 g / 10 mL
Batch:	BH51816	Sequence:	S5H2541	Matrix:	Soil

Analyzed by: **ALS Environmental - Stratford**

Organochlorine Pesticides by GC/ECD

Sample Prepared by Method: EPA 3550C

Results Reported to RL

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
72-54-8	4,4'-DDD [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
72-55-9	4,4'-DDE	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
72-55-9	4,4'-DDE [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
50-29-3	4,4'-DDT	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
50-29-3	4,4'-DDT [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
309-00-2	Aldrin	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
309-00-2	Aldrin [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
319-84-6	alpha-BHC	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
319-84-6	alpha-BHC [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
5103-71-9	alpha-Chlordane	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
5103-71-9	alpha-Chlordane [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
319-85-7	beta-BHC	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
319-85-7	beta-BHC [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
57-74-9	Chlordane, total	ND		mg/kg wet	0.0329	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
57-74-9	Chlordane, total (alpha, gamma)	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
57-74-9	Chlordane, total (alpha, gamma) [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
57-74-9	Chlordane, total [2C]	ND		mg/kg wet	0.0329	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
319-86-8	delta-BHC	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
319-86-8	delta-BHC [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
60-57-1	Dieldrin	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
60-57-1	Dieldrin [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
959-98-8	Endosulfan I	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
959-98-8	Endosulfan I [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
33213-65-9	Endosulfan II	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
33213-65-9	Endosulfan II [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
1031-07-8	Endosulfan sulfate	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
1031-07-8	Endosulfan sulfate [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
72-20-8	Endrin	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
72-20-8	Endrin [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
7421-93-4	Endrin aldehyde	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
7421-93-4	Endrin aldehyde [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
53494-70-5	Endrin ketone	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
53494-70-5	Endrin ketone [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
58-89-9	gamma-BHC (Lindane)	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
58-89-9	gamma-BHC (Lindane) [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
5566-34-7	gamma-Chlordane	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
5566-34-7	gamma-Chlordane [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
76-44-8	Heptachlor	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
76-44-8	Heptachlor [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
1024-57-3	Heptachlor epoxide	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
1024-57-3	Heptachlor epoxide [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
72-43-5	Methoxychlor	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	

FORM I

METHOD BLANK DATA SHEET
EPA 8081B

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51816-BLK1
Project:	JA257006 Task 10.2			Calibration:	SF50002
Preparation:	EPA 3550C	Prepared:	08/24/25 10:20	File ID:	P7043745.D
Instrument:	PEST7	Analyzed:	08/25/25 10:01	Initial/Final:	30.1 g / 10 mL
Batch:	BH51816	Sequence:	S5H2541	Matrix:	Soil

Organochlorine Pesticides by GC/ECD
Sample Prepared by Method: EPA 3550C

Results Reported to RL

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
72-43-5	Methoxychlor [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
2385-85-5	Mirex	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
2385-85-5	Mirex [2C]	ND		mg/kg wet	0.00165	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
8001-35-2	Toxaphene	ND		mg/kg wet	0.164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
8001-35-2	Toxaphene [2C]	ND		mg/kg wet	0.164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	Decachlorobiphenyl	*64.2 %*	*30-150*
2051-24-3	Decachlorobiphenyl [2C]	*66.5 %*	*30-150*
877-09-8	Tetrachloro-m-xylene	*77.1 %*	*30-150*
877-09-8	Tetrachloro-m-xylene [2C]	*73.7 %*	*30-150*

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5B0502	Instrument:	PEST7
		Calibration:	SF50002

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Performance Mix	S5B0502-PEM1	P7035859.D	02/05/25 08:03
Cal Standard	S5B0502-CAL8	P7035864.D	02/05/25 15:06
Cal Standard	S5B0502-CAL9	P7035865.D	02/05/25 15:23
Cal Standard	S5B0502-CALA	P7035866.D	02/05/25 15:40
Cal Standard	S5B0502-CALB	P7035867.D	02/05/25 15:57
Cal Standard	S5B0502-CALC	P7035868.D	02/05/25 16:15
Cal Standard	S5B0502-CALD	P7035869.D	02/05/25 16:32
Cal Standard	S5B0502-CALE	P7035870.D	02/05/25 16:49



FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5C1715	Instrument:	PEST7
		Calibration:	SI50008

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Performance Mix	S5C1715-PEM1	P7037214.D	03/14/25 09:44
Secondary Cal Check	S5C1715-SCV1	P7037225.D	03/14/25 13:09
Cal Standard	S5C1715-CALO	P7037226.D	03/14/25 13:26
Cal Standard	S5C1715-CALF	P7037227.D	03/14/25 13:43
Cal Standard	S5C1715-CALG	P7037228.D	03/14/25 14:00
Cal Standard	S5C1715-CALH	P7037229.D	03/14/25 14:18
Cal Standard	S5C1715-CALI	P7037230.D	03/14/25 14:35
Cal Standard	S5C1715-CALJ	P7037231.D	03/14/25 14:52
Cal Standard	S5C1715-CALK	P7037232.D	03/14/25 15:09
Cal Standard	S5C1715-CALL	P7037233.D	03/14/25 15:27

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5F0208	Instrument:	PEST7
		Calibration:	SI50008

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Performance Mix	S5F0208-PEM1	P7040589.D	06/02/25 08:24
Cal Standard	S5F0208-CALM	P7040595.D	06/02/25 10:30
Cal Standard	S5F0208-CAL1	P7040596.D	06/02/25 10:47
Cal Standard	S5F0208-CAL2	P7040597.D	06/02/25 11:04
Cal Standard	S5F0208-CAL3	P7040598.D	06/02/25 11:21
Cal Standard	S5F0208-CAL4	P7040599.D	06/02/25 11:38
Cal Standard	S5F0208-CAL5	P7040600.D	06/02/25 11:55
Cal Standard	S5F0208-CAL6	P7040601.D	06/02/25 12:12
Cal Standard	S5F0208-CAL7	P7040602.D	06/02/25 12:29
Secondary Cal Check	S5F0208-SCV1	P7040603.D	06/02/25 12:46

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Sequence: S5H2541
Instrument: PEST7
Calibration: SF50002

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Performance Mix	S5H2541-PEM1	P7043740.D	08/25/25 08:16
Calibration Check	S5H2541-CCV1	P7043742.D	08/25/25 08:50
Calibration Check	S5H2541-CCV2	P7043743.D	08/25/25 09:07
Calibration Check	S5H2541-CCV3	P7043744.D	08/25/25 09:24
Blank	BH51816-BLK1	P7043745.D	08/25/25 10:01
LCS	BH51816-BS1	P7043746.D	08/25/25 10:18
HVAC - Spoils	25H1532-01	P7043758.D	08/25/25 13:43
Calibration Check	S5H2541-CCV4	P7043766.D	08/25/25 16:31
Calibration Check	S5H2541-CCV5	P7043777.D	08/25/25 20:41
Performance Mix	S5H2541-PEM2	P7043779.D	08/25/25 21:15
Performance Mix	S5H2541-PEM3	P7043810.D	08/26/25 07:52
Calibration Check	S5H2541-CCV6	P7043811.D	08/26/25 08:10

FORM VI

INITIAL CALIBRATION DATA

EPA 8081B

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SF50002

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: PEST7

Calibration Date: 06/02/25 13:12

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
4,4'-DDD	0.5	2.877386E+07	1	2.630448E+07	2	2.647762E+07	5	3.13E+07	20	2.943E+07	50	2.5038E+07
4,4'-DDD [2C]	0.5	1.157105E+08	1	9.679205E+07	2	9.005E+07	5	1.0204E+08	20	9.579E+07	50	7.7416E+07
4,4'-DDE	0.5	2.9537E+07	1	2.818198E+07	2	2.937752E+07	5	3.598E+07	20	3.4185E+07	50	2.9038E+07
4,4'-DDE [2C]	0.5	1.472472E+08	1	1.187E+08	2	1.169E+08	5	1.3482E+08	20	1.2691E+08	50	1.06168E+08
4,4'-DDT	0.5	2.969998E+07	1	2.79617E+07	2	2.777516E+07	5	3.308E+07	20	3.08E+07	50	2.5978E+07
4,4'-DDT [2C]	0.5	1.045778E+08	1	9.357325E+07	2	8.945E+07	5	1.016E+08	20	9.4225E+07	50	8.1198E+07
Aldrin	0.5	4.005874E+07	1	3.759458E+07	2	3.84212E+07	5	4.62E+07	20	4.15E+07	50	3.5978E+07
Aldrin [2C]	0.5	1.395375E+08	1	1.435E+08	2	1.282E+08	5	1.5298E+08	20	1.4198E+08	50	1.23352E+08
alpha-BHC	0.5	4.058704E+07	1	3.624921E+07	2	4.006836E+07	5	4.73E+07	20	4.4855E+07	50	4.0834E+07
alpha-BHC [2C]	0.5	1.499954E+08	1	1.509E+08	2	1.487E+08	5	1.7378E+08	20	1.6911E+08	50	1.55446E+08
alpha-Chlordane	0.5	4.205292E+07	1	3.789726E+07	2	3.669074E+07	5	4.142E+07	20	3.6855E+07	50	3.1436E+07
alpha-Chlordane [2C]	0.5	1.563964E+08	1	1.37E+08	2	1.235E+08	5	1.3976E+08	20	1.2761E+08	50	1.1088E+08
beta-BHC	0.5	2.677118E+07	1	2.094312E+07	2	1.924354E+07	5	1.953373E+07	20	1.67E+07	50	1.4356E+07
beta-BHC [2C]	0.5	1.006247E+08	1	8.254058E+07	2	6.525E+07	5	6.832E+07	20	5.986E+07	50	5.2426E+07
Decachlorobiphenyl	10	2.359E+07	20	2.261E+07	40	2.2145E+07	80	2.572375E+07	120	2.355333E+07	160	2.11325E+07
Decachlorobiphenyl [2C]	10	7.83E+07	20	7.5235E+07	40	7.3855E+07	80	8.572626E+07	120	7.857833E+07	160	6.959125E+07
delta-BHC	0.5	5.001178E+07	1	3.967086E+07	2	3.643853E+07	5	4.096E+07	20	3.8585E+07	50	3.55E+07
delta-BHC [2C]	0.5	1.897852E+08	1	1.558E+08	2	1.2925E+08	5	1.4532E+08	20	1.40975E+08	50	1.31486E+08
Dieldrin	0.5	3.75715E+07	1	3.576908E+07	2	3.563134E+07	5	4.23E+07	20	3.82E+07	50	3.2286E+07
Dieldrin [2C]	0.5	1.470869E+08	1	1.248E+08	2	1.3065E+08	5	1.4372E+08	20	1.33535E+08	50	1.13674E+08
Endosulfan I	0.5	3.911894E+07	1	3.647428E+07	2	3.602592E+07	5	4.02E+07	20	3.5145E+07	50	2.8846E+07
Endosulfan I [2C]	0.5	1.422031E+08	1	1.296E+08	2	1.167E+08	5	1.279E+08	20	1.1602E+08	50	9.601599E+07
Endosulfan II	0.5	4.12677E+07	1	3.524946E+07	2	3.325226E+07	5	3.66E+07	20	3.1685E+07	50	2.4412E+07
Endosulfan II [2C]	0.5	1.601652E+08	1	1.332E+08	2	1.2035E+08	5	1.2918E+08	20	1.13155E+08	50	8.8156E+07
Endosulfan sulfate	0.5	4.806226E+07	1	3.729333E+07	2	3.338012E+07	5	3.562E+07	20	2.9925E+07	50	2.5026E+07
Endosulfan sulfate [2C]	0.5	1.760396E+08	1	1.336E+08	2	1.1515E+08	5	1.2152E+08	20	1.04475E+08	50	8.8506E+07
Endrin	0.5	3.598738E+07	1	3.308936E+07	2	3.283987E+07	5	3.786E+07	20	3.3915E+07	50	2.8242E+07
Endrin [2C]	0.5	1.362034E+08	1	1.128E+08	2	1.1255E+08	5	1.2582E+08	20	1.12045E+08	50	9.3756E+07
Endrin aldehyde	0.5	4.185882E+07	1	3.060104E+07	2	2.582138E+07	5	2.648E+07	20	2.1805E+07	50	1.8858E+07

FORM VI

INITIAL CALIBRATION DATA

EPA 8081B

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SF50002

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: PEST7

Calibration Date: 06/02/25 13:12

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Endrin aldehyde [2C]	0.5	1.639058E+08	1	1.153E+08	2	9.34E+07	5	9.398E+07	20	7.8515E+07	50	6.7884E+07
Endrin ketone	0.5	4.62837E+07	1	3.904887E+07	2	3.65747E+07	5	3.994E+07	20	3.432E+07	50	2.7612E+07
Endrin ketone [2C]	0.5	1.629897E+08	1	1.332E+08	2	1.2565E+08	5	1.348E+08	20	1.1688E+08	50	9.4418E+07
gamma-BHC (Lindane)	0.5	3.75054E+07	1	3.44394E+07	2	3.547199E+07	5	4.168E+07	20	3.953E+07	50	3.6074E+07
gamma-BHC (Lindane) [2C]	0.5	1.417917E+08	1	1.308E+08	2	1.192E+08	5	1.3828E+08	20	1.4107E+08	50	1.34506E+08
gamma-Chlordane	0.5	4.276104E+07	1	3.796773E+07	2	3.70513E+07	5	4.166E+07	20	3.7455E+07	50	3.233E+07
gamma-Chlordane [2C]	0.5	1.502203E+08	1	1.373E+08	2	1.2255E+08	5	1.4158E+08	20	1.31415E+08	50	1.14874E+08
Heptachlor	0.5	4.16487E+07	1	3.922231E+07	2	4.035599E+07	5	4.514E+07	20	4.0455E+07	50	3.4946E+07
Heptachlor [2C]	0.5	1.390056E+08	1	1.355E+08	2	1.2435E+08	5	1.4296E+08	20	1.29405E+08	50	1.08602E+08
Heptachlor epoxide	0.5	4.060988E+07	1	3.648512E+07	2	3.602346E+07	5	4.044E+07	20	3.543E+07	50	2.9964E+07
Heptachlor epoxide [2C]	0.5	1.51321E+08	1	1.479E+08	2	1.2205E+08	5	1.3692E+08	20	1.2035E+08	50	1.0137E+08
Methoxychlor	0.5	1.865272E+07	1	1.72538E+07	2	1.695467E+07	5	1.90392E+07	20	1.611E+07	50	1.2858E+07
Methoxychlor [2C]	0.5	5.880958E+07	1	5.546027E+07	2	5.715E+07	5	6.028E+07	20	4.9E+07	50	3.922E+07
Mirex	0.5	3.785062E+07	1	3.314908E+07	2	3.092312E+07	5	3.254E+07	20	2.6475E+07	50	2.1062E+07
Mirex [2C]	0.5	1.291648E+08	1	1.138E+08	2	1.0695E+08	5	1.0796E+08	20	8.9655E+07	50	6.4166E+07
Tetrachloro-m-xylene	10	2.614E+07	20	2.427E+07	40	2.497E+07	80	2.970875E+07	120	2.795083E+07	160	2.602375E+07
Tetrachloro-m-xylene [2C]	10	1.0524E+08	20	1.0192E+08	40	1.01945E+08	80	1.19315E+08	120	1.085142E+08	160	1.053819E+08

FORM VI

INITIAL CALIBRATION DATA

EPA 8081B

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SI50008

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: PEST7

Calibration Date: 09/05/25 17:50

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
4,4'-DDD	0.5	2.877386E+07	1	2.630448E+07	2	2.647762E+07	5	3.13E+07	20	2.943E+07	50	2.5038E+07
4,4'-DDD [2C]	0.5	1.157105E+08	1	9.679205E+07	2	9.005E+07	5	1.0204E+08	20	9.579E+07	50	7.7416E+07
4,4'-DDE	0.5	2.9537E+07	1	2.818198E+07	2	2.937752E+07	5	3.598E+07	20	3.4185E+07	50	2.9038E+07
4,4'-DDE [2C]	0.5	1.472472E+08	1	1.187E+08	2	1.169E+08	5	1.3482E+08	20	1.2691E+08	50	1.06168E+08
4,4'-DDT	0.5	2.969998E+07	1	2.79617E+07	2	2.777516E+07	5	3.308E+07	20	3.08E+07	50	2.5978E+07
4,4'-DDT [2C]	0.5	1.045778E+08	1	9.357325E+07	2	8.945E+07	5	1.016E+08	20	9.4225E+07	50	8.1198E+07
Aldrin	0.5	4.005874E+07	1	3.759458E+07	2	3.84212E+07	5	4.62E+07	20	4.15E+07	50	3.5978E+07
Aldrin [2C]	0.5	1.395375E+08	1	1.435E+08	2	1.282E+08	5	1.5298E+08	20	1.4198E+08	50	1.23352E+08
alpha-BHC	0.5	4.058704E+07	1	3.624921E+07	2	4.006836E+07	5	4.73E+07	20	4.4855E+07	50	4.0834E+07
alpha-BHC [2C]	0.5	1.499954E+08	1	1.509E+08	2	1.487E+08	5	1.7378E+08	20	1.6911E+08	50	1.55446E+08
alpha-Chlordane	0.5	4.205292E+07	1	3.789726E+07	2	3.669074E+07	5	4.142E+07	20	3.6855E+07	50	3.1436E+07
alpha-Chlordane [2C]	0.5	1.563964E+08	1	1.37E+08	2	1.235E+08	5	1.3976E+08	20	1.2761E+08	50	1.1088E+08
beta-BHC	0.5	2.677118E+07	1	2.094312E+07	2	1.924354E+07	5	1.953373E+07	20	1.67E+07	50	1.4356E+07
beta-BHC [2C]	0.5	1.006247E+08	1	8.254058E+07	2	6.525E+07	5	6.832E+07	20	5.986E+07	50	5.2426E+07
Decachlorobiphenyl	10	2.359E+07	20	2.261E+07	40	2.2145E+07	80	2.572375E+07	120	2.355333E+07	160	2.11325E+07
Decachlorobiphenyl [2C]	10	7.83E+07	20	7.5235E+07	40	7.3855E+07	80	8.572626E+07	120	7.857833E+07	160	6.959125E+07
delta-BHC	0.5	5.001178E+07	1	3.967086E+07	2	3.643853E+07	5	4.096E+07	20	3.8585E+07	50	3.55E+07
delta-BHC [2C]	0.5	1.897852E+08	1	1.558E+08	2	1.2925E+08	5	1.4532E+08	20	1.40975E+08	50	1.31486E+08
Dieldrin	0.5	3.75715E+07	1	3.576908E+07	2	3.563134E+07	5	4.23E+07	20	3.82E+07	50	3.2286E+07
Dieldrin [2C]	0.5	1.470869E+08	1	1.248E+08	2	1.3065E+08	5	1.4372E+08	20	1.33535E+08	50	1.13674E+08
Endosulfan I	0.5	3.911894E+07	1	3.647428E+07	2	3.602592E+07	5	4.02E+07	20	3.5145E+07	50	2.8846E+07
Endosulfan I [2C]	0.5	1.422031E+08	1	1.296E+08	2	1.167E+08	5	1.279E+08	20	1.1602E+08	50	9.601599E+07
Endosulfan II	0.5	4.12677E+07	1	3.524946E+07	2	3.325226E+07	5	3.66E+07	20	3.1685E+07	50	2.4412E+07
Endosulfan II [2C]	0.5	1.601652E+08	1	1.332E+08	2	1.2035E+08	5	1.2918E+08	20	1.13155E+08	50	8.8156E+07
Endosulfan sulfate	0.5	4.806226E+07	1	3.729333E+07	2	3.338012E+07	5	3.562E+07	20	2.9925E+07	50	2.5026E+07
Endosulfan sulfate [2C]	0.5	1.760396E+08	1	1.336E+08	2	1.1515E+08	5	1.2152E+08	20	1.04475E+08	50	8.8506E+07
Endrin	0.5	3.598738E+07	1	3.308936E+07	2	3.283987E+07	5	3.786E+07	20	3.3915E+07	50	2.8242E+07
Endrin [2C]	0.5	1.362034E+08	1	1.128E+08	2	1.1255E+08	5	1.2582E+08	20	1.12045E+08	50	9.3756E+07
Endrin aldehyde	0.5	4.185882E+07	1	3.060104E+07	2	2.582138E+07	5	2.648E+07	20	2.1805E+07	50	1.8858E+07

FORM VI

INITIAL CALIBRATION DATA

EPA 8081B

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SI50008

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: PEST7

Calibration Date: 09/05/25 17:50

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Endrin aldehyde [2C]	0.5	1.639058E+08	1	1.153E+08	2	9.34E+07	5	9.398E+07	20	7.8515E+07	50	6.7884E+07
Endrin ketone	0.5	4.62837E+07	1	3.904887E+07	2	3.65747E+07	5	3.994E+07	20	3.432E+07	50	2.7612E+07
Endrin ketone [2C]	0.5	1.629897E+08	1	1.332E+08	2	1.2565E+08	5	1.348E+08	20	1.1688E+08	50	9.4418E+07
gamma-BHC (Lindane)	0.5	3.75054E+07	1	3.44394E+07	2	3.547199E+07	5	4.168E+07	20	3.953E+07	50	3.6074E+07
gamma-BHC (Lindane) [2C]	0.5	1.417917E+08	1	1.308E+08	2	1.192E+08	5	1.3828E+08	20	1.4107E+08	50	1.34506E+08
gamma-Chlordane	0.5	4.276104E+07	1	3.796773E+07	2	3.70513E+07	5	4.166E+07	20	3.7455E+07	50	3.233E+07
gamma-Chlordane [2C]	0.5	1.502203E+08	1	1.373E+08	2	1.2255E+08	5	1.4158E+08	20	1.31415E+08	50	1.14874E+08
Heptachlor	0.5	4.16487E+07	1	3.922231E+07	2	4.035599E+07	5	4.514E+07	20	4.0455E+07	50	3.4946E+07
Heptachlor [2C]	0.5	1.390056E+08	1	1.355E+08	2	1.2435E+08	5	1.4296E+08	20	1.29405E+08	50	1.08602E+08
Heptachlor epoxide	0.5	4.060988E+07	1	3.648512E+07	2	3.602346E+07	5	4.044E+07	20	3.543E+07	50	2.9964E+07
Heptachlor epoxide [2C]	0.5	1.51321E+08	1	1.479E+08	2	1.2205E+08	5	1.3692E+08	20	1.2035E+08	50	1.0137E+08
Methoxychlor	0.5	1.865272E+07	1	1.72538E+07	2	1.695467E+07	5	1.90392E+07	20	1.611E+07	50	1.2858E+07
Methoxychlor [2C]	0.5	5.880958E+07	1	5.546027E+07	2	5.715E+07	5	6.028E+07	20	4.9E+07	50	3.922E+07
Mirex	0.5	3.785062E+07	1	3.314908E+07	2	3.092312E+07	5	3.254E+07	20	2.6475E+07	50	2.1062E+07
Mirex [2C]	0.5	1.291648E+08	1	1.138E+08	2	1.0695E+08	5	1.0796E+08	20	8.9655E+07	50	6.4166E+07
Tetrachloro-m-xylene	10	2.614E+07	20	2.427E+07	40	2.497E+07	80	2.970875E+07	120	2.795083E+07	160	2.602375E+07
Tetrachloro-m-xylene [2C]	10	1.0524E+08	20	1.0192E+08	40	1.01945E+08	80	1.19315E+08	120	1.085142E+08	160	1.053819E+08

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SF50002
Instrument: PEST7
Calibration Date: 06/02/25 13:12

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
4,4'-DDD	100	2.5495E+07	200	3.17855E+07								
4,4'-DDD [2C]	100	8.2742E+07	200	1.05716E+08								
4,4'-DDE	100	2.9531E+07	200	3.6687E+07								
4,4'-DDE [2C]	100	1.06159E+08	200	1.27136E+08								
4,4'-DDT	100	2.668E+07	200	3.32765E+07								
4,4'-DDT [2C]	100	8.3638E+07	200	1.04958E+08								
Aldrin	100	3.4509E+07	200	4.23565E+07								
Aldrin [2C]	100	1.1747E+08	200	1.404575E+08								
alpha-BHC	100	4.0281E+07	200	5.10735E+07								
alpha-BHC [2C]	100	1.55379E+08	200	1.5592E+08								
alpha-Chlordane	100	3.1025E+07	200	3.84985E+07								
alpha-Chlordane [2C]	100	1.09888E+08	200	1.366015E+08								
beta-BHC	100	1.3631E+07	200	1.74885E+07								
beta-BHC [2C]	100	4.9736E+07	200	6.43105E+07								
Chlordane, total					10	3665576	20	3485482	80	2884450	200	3018834
Chlordane, total [2C]					10	1.018628E+07	20	9608335	80	7565000	200	8761335
Decachlorobiphenyl	200	2.64745E+07	240	2.388E+07								
Decachlorobiphenyl [2C]	200	8.6808E+07	240	7.8075E+07								
delta-BHC	100	3.4013E+07	200	4.4365E+07								
delta-BHC [2C]	100	1.26818E+08	200	1.507E+08								
Dieldrin	100	3.1668E+07	200	3.86045E+07								
Dieldrin [2C]	100	1.08665E+08	200	1.27945E+08								
Endosulfan I	100	2.7783E+07	200	3.32525E+07								
Endosulfan I [2C]	100	9.135299E+07	200	1.065865E+08								
Endosulfan II	100	2.4044E+07	200	2.9117E+07								
Endosulfan II [2C]	100	8.590999E+07	200	1.008965E+08								
Endosulfan sulfate	100	2.3924E+07	200	2.97565E+07								
Endosulfan sulfate [2C]	100	8.4635E+07	200	1.041405E+08								
Endrin	100	2.7649E+07	200	3.3493E+07								

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SF50002
Instrument: PEST7
Calibration Date: 06/02/25 13:12

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Endrin [2C]	100	8.9882E+07	200	1.058655E+08								
Endrin aldehyde	100	1.6319E+07	200									
Endrin aldehyde [2C]	100	5.8931E+07	200									
Endrin ketone	100	2.7549E+07	200	3.33385E+07								
Endrin ketone [2C]	100	9.306E+07	200	1.09979E+08								
gamma-BHC (Lindane)	100	3.5283E+07	200	4.4331E+07								
gamma-BHC (Lindane) [2C]	100	1.32206E+08	200	1.455385E+08								
gamma-Chlordane	100	3.2079E+07	200	3.9673E+07								
gamma-Chlordane [2C]	100	1.13242E+08	200	1.42289E+08								
Heptachlor	100	3.317E+07	200	4.0549E+07								
Heptachlor [2C]	100	1.00533E+08	200	1.245025E+08								
Heptachlor epoxide	100	2.8761E+07	200	3.52635E+07								
Heptachlor epoxide [2C]	100	9.5511E+07	200	1.12682E+08								
Methoxychlor	100	1.2933E+07	200	1.57425E+07								
Methoxychlor [2C]	100	3.8648E+07	200	4.60455E+07								
Mirex	100	2.1393E+07	200	2.6177E+07								
Mirex [2C]	100	7.3585E+07	200	9.50675E+07								
Tetrachloro-m-xylene	200	2.4378E+07	240	2.870208E+07								
Tetrachloro-m-xylene [2C]	200	9.69465E+07	240	1.087096E+08								

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SI50008
Instrument: PEST7
Calibration Date: 09/05/25 17:50

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
4,4'-DDD	100	2.5495E+07	200	3.17855E+07								
4,4'-DDD [2C]	100	8.2742E+07	200	1.05716E+08								
4,4'-DDE	100	2.9531E+07	200	3.6687E+07								
4,4'-DDE [2C]	100	1.06159E+08	200	1.27136E+08								
4,4'-DDT	100	2.668E+07	200	3.32765E+07								
4,4'-DDT [2C]	100	8.3638E+07	200	1.04958E+08								
Aldrin	100	3.4509E+07	200	4.23565E+07								
Aldrin [2C]	100	1.1747E+08	200	1.404575E+08								
alpha-BHC	100	4.0281E+07	200	5.10735E+07								
alpha-BHC [2C]	100	1.55379E+08	200	1.5592E+08								
alpha-Chlordane	100	3.1025E+07	200	3.84985E+07								
alpha-Chlordane [2C]	100	1.09888E+08	200	1.366015E+08								
beta-BHC	100	1.3631E+07	200	1.74885E+07								
beta-BHC [2C]	100	4.9736E+07	200	6.43105E+07								
Chlordane, total					5	5284008	10	4667476	20	4458978	80	4030417
Chlordane, total [2C]					5	1.496302E+07	10	1.16051E+07	20	1.064167E+07	80	9340000
Decachlorobiphenyl	200	2.64745E+07	240	2.388E+07								
Decachlorobiphenyl [2C]	200	8.6808E+07	240	7.8075E+07								
delta-BHC	100	3.4013E+07	200	4.4365E+07								
delta-BHC [2C]	100	1.26818E+08	200	1.507E+08								
Dieldrin	100	3.1668E+07	200	3.86045E+07								
Dieldrin [2C]	100	1.08665E+08	200	1.27945E+08								
Endosulfan I	100	2.7783E+07	200	3.32525E+07								
Endosulfan I [2C]	100	9.135299E+07	200	1.065865E+08								
Endosulfan II	100	2.4044E+07	200	2.9117E+07								
Endosulfan II [2C]	100	8.590999E+07	200	1.008965E+08								
Endosulfan sulfate	100	2.3924E+07	200	2.97565E+07								
Endosulfan sulfate [2C]	100	8.4635E+07	200	1.041405E+08								
Endrin	100	2.7649E+07	200	3.3493E+07								

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SI50008
Instrument: PEST7
Calibration Date: 09/05/25 17:50

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Endrin [2C]	100	8.9882E+07	200	1.058655E+08								
Endrin aldehyde	100	1.6319E+07	200									
Endrin aldehyde [2C]	100	5.8931E+07	200									
Endrin ketone	100	2.7549E+07	200	3.33385E+07								
Endrin ketone [2C]	100	9.306E+07	200	1.09979E+08								
gamma-BHC (Lindane)	100	3.5283E+07	200	4.4331E+07								
gamma-BHC (Lindane) [2C]	100	1.32206E+08	200	1.455385E+08								
gamma-Chlordane	100	3.2079E+07	200	3.9673E+07								
gamma-Chlordane [2C]	100	1.13242E+08	200	1.42289E+08								
Heptachlor	100	3.317E+07	200	4.0549E+07								
Heptachlor [2C]	100	1.00533E+08	200	1.245025E+08								
Heptachlor epoxide	100	2.8761E+07	200	3.52635E+07								
Heptachlor epoxide [2C]	100	9.5511E+07	200	1.12682E+08								
Methoxychlor	100	1.2933E+07	200	1.57425E+07								
Methoxychlor [2C]	100	3.8648E+07	200	4.60455E+07								
Mirex	100	2.1393E+07	200	2.6177E+07								
Mirex [2C]	100	7.3585E+07	200	9.50675E+07								
Tetrachloro-m-xylene	200	2.4378E+07	240	2.870208E+07								
Tetrachloro-m-xylene [2C]	200	9.69465E+07	240	1.087096E+08								

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SF50002
Instrument: PEST7
Calibration Date: 06/02/25 13:12 >0.99%

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
4,4'-DDD	2.807556E+07	9.332755	6.371875	3.883915E-02		0.9989258	0.99	
4,4'-DDD [2C]	9.578207E+07	12.94545	7.279625	7.439557E-03		0.9989279	0.99	
4,4'-DDE	3.156469E+07	10.93908	5.51225	3.292072E-02		0.9989315	0.99	
4,4'-DDE [2C]	1.23005E+08	11.42582	6.331375	1.017386E-02		0.99886	0.99	
4,4'-DDT	2.940642E+07	9.48319	6.79875	1.973393E-02		0.9989525	0.99	
4,4'-DDT [2C]	9.415251E+07	9.682404	7.81275	6.744554E-03		0.9990553	0.99	
Aldrin	3.957725E+07	9.522455	4.3355	3.567908E-03		0.9983957	0.99	
Aldrin [2C]	1.359346E+08	8.690315	4.785375	2.395557E-02		0.9985006	0.99	
alpha-BHC	4.265601E+07	11.14627	3.2715	1.199848E-02		0.9988297	0.99	
alpha-BHC [2C]	1.574038E+08	5.824131	3.519625	3.050896E-02		0.9999051	0.99	
alpha-Chlordane	3.698443E+07	10.95412	5.384125	8.118174E-03		0.9985868	0.99	
alpha-Chlordane [2C]	1.302045E+08	11.97687	6.047125	5.883666E-03		0.9987489	0.99	
beta-BHC	1.858338E+07	22.38106	3.63675	4.347802E-02		0.997804	0.99	
beta-BHC [2C]	6.788347E+07	24.51969	3.97925	1.014057E-02		0.9978764	0.99	
Chlordane, total	3040543	13.18285	4.095143	6.677424E-02		0.9991175	0.99	
Chlordane, total [2C]	8469017	13.48612	4.450857	2.483484E-02		0.9985169	0.99	
Decachlorobiphenyl	2.363864E+07	7.504315	10.345	1.115079E-02			20	
Decachlorobiphenyl [2C]	7.82711E+07	7.3655	11.88762	6.792543E-03			20	
delta-BHC	3.994302E+07	13.08007	3.80925	3.608112E-02		0.9983022	0.99	
delta-BHC [2C]	1.462668E+08	13.96258	4.31475	1.845641E-02		0.9990682	0.99	
Dieldrin	3.65038E+07	9.518001	5.89375	4.881265E-03		0.9985782	0.99	
Dieldrin [2C]	1.287595E+08	10.31081	6.550125	1.901682E-02		0.9985194	0.99	
Endosulfan I	3.460571E+07	12.87778	5.562	1.790197E-02		0.9982033	0.99	
Endosulfan I [2C]	1.157973E+08	14.98885	6.12575	9.588076E-03		0.998281	0.99	
Endosulfan II	3.195343E+07	18.64447	6.557125	1.875338E-02		0.997876	0.99	
Endosulfan II [2C]	1.163766E+08	21.43235	7.396	1.352436E-02		0.9980186	0.99	
Endosulfan sulfate	3.28734E+07	23.51021	7.9445	1.034913E-02		0.9979215	0.99	
Endosulfan sulfate [2C]	1.160083E+08	25.15032	8.479	5.201769E-03		0.9981163	0.99	
Endrin	3.288445E+07	10.58564	6.22225	2.357634E-02		0.9984843	0.99	
Endrin [2C]	1.111152E+08	13.73807	7.03425	1.317579E-02		0.998404	0.99	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SF50002
Instrument: PEST7
Calibration Date: 06/02/25 13:12

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Endrin aldehyde	2.596332E+07	32.80461	7.222714	1.834823E-02		0.9993942	0.99	
Endrin aldehyde [2C]	9.598798E+07	36.74674	7.983714	5.617341E-03		0.9993853	0.99	
Endrin ketone	3.558335E+07	17.81193	8.403	9.79319E-03		0.9984232	0.99	
Endrin ketone [2C]	1.213721E+08	19.06634	9.433375	1.688446E-02		0.9984466	0.99	
gamma-BHC (Lindane)	3.803935E+07	9.233524	3.55475	1.089035E-02		0.9987972	0.99	
gamma-BHC (Lindane) [2C]	1.35424E+08	6.106313	3.888	0.0238714		0.9996951	0.99	
gamma-Chlordane	3.762213E+07	10.34943	5.21025	7.125098E-03		0.9987486	0.99	
gamma-Chlordane [2C]	1.316838E+08	10.31578	5.830375	2.323634E-02		0.9986638	0.99	
Heptachlor	3.943588E+07	9.585415	4.016	6.85105E-03		0.9982395	0.99	
Heptachlor [2C]	1.256073E+08	11.70698	4.38675	2.464299E-02		0.9975187	0.99	
Heptachlor epoxide	3.537212E+07	12.07733	5.053	4.755751E-03		0.9982217	0.99	
Heptachlor epoxide [2C]	1.23513E+08	16.62531	5.555375	1.372888E-02		0.9981657	0.99	
Methoxychlor	1.619299E+07	14.35366	7.639	3.225758E-02		0.9984156	0.99	
Methoxychlor [2C]	5.057667E+07	17.09492	9.114875	2.046892E-02		0.9982496	0.99	
Mirex	2.869623E+07	20.66931	7.718875	4.987706E-03		0.9984146	0.99	
Mirex [2C]	9.754354E+07	21.97952	9.31425	5.517579E-03		0.9984081	0.99	
Tetrachloro-m-xylene	2.651793E+07	7.731038	2.817625	2.673159E-02			20	
Tetrachloro-m-xylene [2C]	1.059965E+08	6.247484	2.963625	2.046644E-02			20	
Toxaphene	2.436121E+07	14.46275	7.829125	4.324832E-03		0.9997117	0.99	
Toxaphene [2C]	8.745071E+07	19.13895	7.924375	7.968925		0.9996612	0.99	



calibration equations not included

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SI50008
Instrument: PEST7
Calibration Date: 09/05/25 17:50

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
4,4'-DDD	2.807556E+07	9.332755	6.371875	3.883915E-02		0.9989258	0.99	
4,4'-DDD [2C]	9.578207E+07	12.94545	7.279625	7.439557E-03		0.9989279	0.99	
4,4'-DDE	3.156469E+07	10.93908	5.51225	3.292072E-02		0.9989315	0.99	
4,4'-DDE [2C]	1.23005E+08	11.42582	6.331375	1.017386E-02		0.99886	0.99	
4,4'-DDT	2.940642E+07	9.48319	6.79875	1.973393E-02		0.9989525	0.99	
4,4'-DDT [2C]	9.415251E+07	9.682404	7.81275	6.744554E-03		0.9990553	0.99	
Aldrin	3.957725E+07	9.522455	4.3355	3.567908E-03		0.9983957	0.99	
Aldrin [2C]	1.359346E+08	8.690315	4.785375	2.395557E-02		0.9985006	0.99	
alpha-BHC	4.265601E+07	11.14627	3.2715	1.199848E-02		0.9988297	0.99	
alpha-BHC [2C]	1.574038E+08	5.824131	3.519625	3.050896E-02		0.9999051	0.99	
alpha-Chlordane	3.698443E+07	10.95412	5.384125	8.118174E-03		0.9985868	0.99	
alpha-Chlordane [2C]	1.302045E+08	11.97687	6.047125	5.883666E-03		0.9987489	0.99	
beta-BHC	1.858338E+07	22.38106	3.63675	4.347802E-02		0.997804	0.99	
beta-BHC [2C]	6.788347E+07	24.51969	3.97925	1.014057E-02		0.9978764	0.99	
Chlordane, total	4159067	16.65518	4.003286	1.655241E-02		0.9999887	0.99	
Chlordane, total [2C]	1.01247E+07	25.68653	4.376	1.830309E-02		0.9999948	0.99	
Decachlorobiphenyl	2.363864E+07	7.504315	10.345	1.115079E-02			20	
Decachlorobiphenyl [2C]	7.82711E+07	7.3655	11.88762	6.792543E-03			20	
delta-BHC	3.994302E+07	13.08007	3.80925	3.608112E-02		0.9983022	0.99	
delta-BHC [2C]	1.462668E+08	13.96258	4.31475	1.845641E-02		0.9990682	0.99	
Dieldrin	3.65038E+07	9.518001	5.89375	4.881265E-03		0.9985782	0.99	
Dieldrin [2C]	1.287595E+08	10.31081	6.550125	1.901682E-02		0.9985194	0.99	
Endosulfan I	3.460571E+07	12.87778	5.562	1.790197E-02		0.9982033	0.99	
Endosulfan I [2C]	1.157973E+08	14.98885	6.12575	9.588076E-03		0.998281	0.99	
Endosulfan II	3.195343E+07	18.64447	6.557125	1.875338E-02		0.997876	0.99	
Endosulfan II [2C]	1.163766E+08	21.43235	7.396	1.352436E-02		0.9980186	0.99	
Endosulfan sulfate	3.28734E+07	23.51021	7.9445	1.034913E-02		0.9979215	0.99	
Endosulfan sulfate [2C]	1.160083E+08	25.15032	8.479	5.201769E-03		0.9981163	0.99	
Endrin	3.288445E+07	10.58564	6.22225	2.357634E-02		0.9984843	0.99	
Endrin [2C]	1.111152E+08	13.73807	7.03425	1.317579E-02		0.998404	0.99	



FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SI50008
Instrument: PEST7
Calibration Date: 09/05/25 17:50

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Endrin aldehyde	2.596332E+07	32.80461	7.222714	1.834823E-02		0.9993942	0.99	
Endrin aldehyde [2C]	9.598798E+07	36.74674	7.983714	5.617341E-03		0.9993853	0.99	
Endrin ketone	3.558335E+07	17.81193	8.403	9.79319E-03		0.9984232	0.99	
Endrin ketone [2C]	1.213721E+08	19.06634	9.433375	1.688446E-02		0.9984466	0.99	
gamma-BHC (Lindane)	3.803935E+07	9.233524	3.55475	1.089035E-02		0.9987972	0.99	
gamma-BHC (Lindane) [2C]	1.35424E+08	6.106313	3.888	0.0238714		0.9996951	0.99	
gamma-Chlordane	3.762213E+07	10.34943	5.21025	7.125098E-03		0.9987486	0.99	
gamma-Chlordane [2C]	1.316838E+08	10.31578	5.830375	2.323634E-02		0.9986638	0.99	
Heptachlor	3.943588E+07	9.585415	4.016	6.85105E-03		0.9982395	0.99	
Heptachlor [2C]	1.256073E+08	11.70698	4.38675	2.464299E-02		0.9975187	0.99	
Heptachlor epoxide	3.537212E+07	12.07733	5.053	4.755751E-03		0.9982217	0.99	
Heptachlor epoxide [2C]	1.23513E+08	16.62531	5.555375	1.372888E-02		0.9981657	0.99	
Methoxychlor	1.619299E+07	14.35366	7.639	3.225758E-02		0.9984156	0.99	
Methoxychlor [2C]	5.057667E+07	17.09492	9.114875	2.046892E-02		0.9982496	0.99	
Mirex	2.869623E+07	20.66931	7.718875	4.987706E-03		0.9984146	0.99	
Mirex [2C]	9.754354E+07	21.97952	9.31425	5.517579E-03		0.9984081	0.99	
Tetrachloro-m-xylene	2.651793E+07	7.731038	2.817625	2.673159E-02			20	
Tetrachloro-m-xylene [2C]	1.059965E+08	6.247484	2.963625	2.046644E-02			20	
Toxaphene	2.436121E+07	14.46275	7.829125	4.324832E-03		0.9997117	0.99	
Toxaphene [2C]	8.745071E+07	19.13895	7.924375	7.968925		0.9996612	0.99	

calibration equations not included

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SI50008
Laboratory ID: S5C1715-SCV1
Sequence: S5C1715
Standard ID: S24L054

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DIFF	QC LIMIT
4,4'-DDD	50.0	52.7	5.5	20.00
4,4'-DDD [2C]	50.0	47.1	-5.8	20.00
4,4'-DDE	50.0	53.2	6.5	20.00
4,4'-DDE [2C]	50.0	53.4	6.8	20.00
4,4'-DDT	50.0	52.7	5.3	20.00
4,4'-DDT [2C]	50.0	53.6	7.2	20.00
Aldrin	50.0	54.2	8.5	20.00
Aldrin [2C]	50.0	54.1	8.2	20.00
alpha-BHC	50.0	53.8	7.7	20.00
alpha-BHC [2C]	50.0	52.2	4.4	20.00
alpha-Chlordane	50.0	53.3	6.6	20.00
alpha-Chlordane [2C]	50.0	53.4	6.8	20.00
beta-BHC	50.0	55.0	10.0	20.00
beta-BHC [2C]	50.0	55.7	11.4	20.00
delta-BHC	50.0	54.4	8.8	20.00
delta-BHC [2C]	50.0	55.1	10.1	20.00
Dieldrin	50.0	53.2	6.4	20.00
Dieldrin [2C]	50.0	54.1	8.2	20.00
Endosulfan I	50.0	53.5	7.0	20.00
Endosulfan I [2C]	50.0	54.0	7.9	20.00
Endosulfan II	50.0	52.9	5.9	20.00
Endosulfan II [2C]	50.0	53.3	6.7	20.00
Endosulfan sulfate	50.0	54.8	9.7	20.00
Endosulfan sulfate [2C]	50.0	54.8	9.6	20.00
Endrin	50.0	51.6	3.2	20.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SI50008
Laboratory ID: S5C1715-SCV1
Sequence: S5C1715
Standard ID: S24L054

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DIFF	QC LIMIT
Endrin aldehyde	50.0	58.8	17.7	20.00
Endrin [2C]	50.0	51.6	3.1	20.00
Endrin aldehyde [2C]	50.0	58.6	17.1	20.00
Endrin ketone	50.0	53.7	7.5	20.00
Endrin ketone [2C]	50.0	53.6	7.2	20.00
gamma-BHC (Lindane)	50.0	53.7	7.4	20.00
gamma-BHC (Lindane) [2C]	50.0	53.6	7.2	20.00
gamma-Chlordane	50.0	53.4	6.9	20.00
gamma-Chlordane [2C]	50.0	53.9	7.8	20.00
Heptachlor	50.0	53.3	6.7	20.00
Heptachlor [2C]	50.0	51.9	3.8	20.00
Heptachlor epoxide	50.0	53.9	7.9	20.00
Heptachlor epoxide [2C]	50.0	53.2	6.4	20.00
Methoxychlor	50.0	52.8	5.5	20.00
Methoxychlor [2C]	50.0	53.5	7.0	20.00
Mirex [2C]	50.0	44.8	-10.5	20.00
Mirex	50.0	54.0	8.0	20.00
Decachlorobiphenyl	160	138	-13.9	20.00
Decachlorobiphenyl [2C]	160	141	-12.0	20.00
Tetrachloro-m-xylene	160	139	-13.3	20.00
Tetrachloro-m-xylene [2C]	160	142	-11.1	20.00

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SI50008
Laboratory ID: S5F0208-SCV1
Sequence: S5F0208
Standard ID: S24L054

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DIFF	QC LIMIT
4,4'-DDD	50.0	52.5	5.1	20.00
4,4'-DDD [2C]	50.0	51.5	3.0	20.00
4,4'-DDE	50.0	52.3	4.7	20.00
4,4'-DDE [2C]	50.0	52.4	4.9	20.00
4,4'-DDT	50.0	51.9	3.9	20.00
4,4'-DDT [2C]	50.0	52.3	4.7	20.00
Aldrin	50.0	53.5	7.1	20.00
Aldrin [2C]	50.0	53.5	7.0	20.00
alpha-BHC	50.0	53.5	7.0	20.00
alpha-BHC [2C]	50.0	49.8	-0.3	20.00
alpha-Chlordane	50.0	53.1	6.2	20.00
alpha-Chlordane [2C]	50.0	53.2	6.5	20.00
beta-BHC	50.0	54.3	8.6	20.00
beta-BHC [2C]	50.0	54.6	9.2	20.00
delta-BHC	50.0	55.0	10.0	20.00
delta-BHC [2C]	50.0	53.5	7.0	20.00
Dieldrin	50.0	53.0	5.9	20.00
Dieldrin [2C]	50.0	52.8	5.5	20.00
Endosulfan I	50.0	53.1	6.3	20.00
Endosulfan I [2C]	50.0	53.2	6.4	20.00
Endosulfan II	50.0	52.6	5.1	20.00
Endosulfan II [2C]	50.0	52.5	5.0	20.00
Endosulfan sulfate	50.0	54.1	8.2	20.00
Endosulfan sulfate [2C]	50.0	54.3	8.7	20.00
Endrin	50.0	51.9	3.9	20.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SI50008
Laboratory ID: S5F0208-SCV1
Sequence: S5F0208
Standard ID: S24L054

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DIFF	QC LIMIT
Endrin aldehyde	50.0	50.2	0.4	20.00
Endrin [2C]	50.0	52.2	4.5	20.00
Endrin aldehyde [2C]	50.0	50.5	1.0	20.00
Endrin ketone	50.0	52.6	5.3	20.00
Endrin ketone [2C]	50.0	52.9	5.8	20.00
gamma-BHC (Lindane)	50.0	53.5	7.0	20.00
gamma-BHC (Lindane) [2C]	50.0	51.7	3.5	20.00
gamma-Chlordane	50.0	52.9	5.9	20.00
gamma-Chlordane [2C]	50.0	53.5	7.0	20.00
Heptachlor	50.0	53.6	7.2	20.00
Heptachlor [2C]	50.0	54.4	8.7	20.00
Heptachlor epoxide	50.0	53.6	7.1	20.00
Heptachlor epoxide [2C]	50.0	53.6	7.2	20.00
Methoxychlor	50.0	51.5	2.9	20.00
Methoxychlor [2C]	50.0	52.1	4.2	20.00
Mirex [2C]	50.0	49.3	-1.3	20.00
Mirex	50.0	52.3	4.5	20.00
Decachlorobiphenyl	160	143	-10.5	20.00
Decachlorobiphenyl [2C]	160	143	-10.7	20.00
Tetrachloro-m-xylene	160	157	-2.1	20.00
Tetrachloro-m-xylene [2C]	160	158	-1.1	20.00

* Values outside of QC limits

Breakdown Report

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Sequence:	S5B0502	Laboratory ID:	S5B0502-PEM1
Analyzed:	02/05/2025 08:03	Instrument ID:	PEST7
		File ID:	P7035859.D

Column Number: 1

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	1.62	15
Endrin	3.19	15

Column Number: 2

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	2.31	15
Endrin	4.85	15

Breakdown Report

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	
Sequence:	S5C1715	Laboratory ID:	S5C1715-PEM1
Analyzed:	03/14/2025 09:44	Instrument ID:	PEST7
		File ID:	P7037214.D

Column Number: 1

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	1.67	15
Endrin	2.62	15

Column Number: 2

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	2.99	15
Endrin	3.47	15

Breakdown Report

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	
Sequence:	S5F0208	Laboratory ID:	S5F0208-PEM1
Analyzed:	06/02/2025 08:24	Instrument ID:	PEST7
		File ID:	P7040589.D

Column Number: 1

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	0.90	15
Endrin	2.28	15

Column Number: 2

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	2.82	15
Endrin	7.32	15

Breakdown Report

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Sequence:	S5H2541	Laboratory ID:	S5H2541-PEM1
Analyzed:	08/25/2025 08:16	Instrument ID:	PEST7
		File ID:	P7043740.D

Column Number: 1

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	1.33	15
Endrin	3.01	15

Column Number: 2

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	1.73	15
Endrin	6.40	15

Breakdown Report

EPA 8081B

Laboratory: ALS Environmental - Stratford
Sequence: S5H2541
Analyzed: 08/25/2025 21:15

SDG: 25H1532
Laboratory ID: S5H2541-PEM2
Instrument ID: PEST7
File ID: P7043779.D

Column Number: 1

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	8.39	15
Endrin	5.11	15

Column Number: 2

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	8.28	15
Endrin	7.82	15

Breakdown Report

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Sequence:	S5H2541	Laboratory ID:	S5H2541-PEM3
Analyzed:	08/26/2025 07:52	Instrument ID:	PEST7
		File ID:	P7043810.D

Column Number: 1

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	1.63	15
Endrin	3.62	15

Column Number: 2

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	1.94	15
Endrin	4.87	15

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043742.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/25/25
Lab Sample ID:	S5H2541-CCV1	Injection Time:	08:50

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
4,4'-DDD	A	50.0	53.1	2.807556E+07	2.5556E+07		6.2	20	
4,4'-DDD [2C]	A	50.0	50.2	9.578207E+07	7.5846E+07		0.3	20	
4,4'-DDE	A	50.0	52.0	3.156469E+07	2.8936E+07		3.9	20	
4,4'-DDE [2C]	A	50.0	52.9	1.23005E+08	1.08382E+08		5.9	20	
4,4'-DDT	A	50.0	55.0	2.940642E+07	2.7712E+07		10.0	20	
4,4'-DDT [2C]	A	50.0	58.1	9.415251E+07	9.1984E+07		16.2	20	
Aldrin	A	50.0	55.2	3.957725E+07	3.718E+07		10.5	20	
Aldrin [2C]	A	50.0	56.8	1.359346E+08	1.31894E+08		13.7	20	
alpha-BHC	A	50.0	56.4	4.265601E+07	4.3262E+07		12.7	20	
alpha-BHC [2C]	A	50.0	51.6	1.574038E+08	1.61318E+08		3.3	20	
alpha-Chlordane	A	50.0	53.3	3.698443E+07	3.1678E+07		6.6	20	
alpha-Chlordane [2C]	A	50.0	53.9	1.302045E+08	1.13186E+08		7.8	20	
beta-BHC	A	50.0	53.6	1.858338E+07	1.409E+07		7.2	20	
beta-BHC [2C]	A	50.0	52.6	6.788347E+07	5.0156E+07		5.2	20	
delta-BHC	A	50.0	50.4	3.994302E+07	3.2256E+07		0.7	20	
delta-BHC [2C]	A	50.0	51.5	1.462668E+08	1.26754E+08		3.0	20	
Dieldrin	A	50.0	54.5	3.65038E+07	3.3436E+07		9.0	20	
Dieldrin [2C]	A	50.0	56.1	1.287595E+08	1.20686E+08		12.1	20	
Endosulfan I	A	50.0	55.7	3.460571E+07	3.0512E+07		11.4	20	
Endosulfan I [2C]	A	50.0	55.8	1.157973E+08	1.01736E+08		11.7	20	
Endosulfan II	A	50.0	53.2	3.195343E+07	2.4964E+07		6.4	20	
Endosulfan II [2C]	A	50.0	54.1	1.163766E+08	9.189E+07		8.2	20	
Endosulfan sulfate	A	50.0	54.1	3.28734E+07	2.5238E+07		8.2	20	
Endosulfan sulfate [2C]	A	50.0	55.8	1.160083E+08	9.2514E+07		11.6	20	
Endrin	A	50.0	55.4	3.288445E+07	2.983E+07		10.8	20	
Endrin [2C]	A	50.0	56.2	1.111152E+08	1.00204E+08		12.5	20	
Endrin aldehyde	A	50.0	48.3	2.596332E+07	1.8648E+07		-3.3	20	
Endrin aldehyde [2C]	A	50.0	50.6	9.598798E+07	6.984E+07		1.3	20	
Endrin ketone	A	50.0	53.9	3.558335E+07	2.8754E+07		7.9	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043742.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/25/25
Lab Sample ID:	S5H2541-CCV1	Injection Time:	08:50

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Endrin ketone [2C]	A	50.0	56.2	1.213721E+08	1.02792E+08		12.5	20	
gamma-BHC (Lindane)	A	50.0	56.1	3.803935E+07	3.789E+07		12.1	20	
gamma-BHC (Lindane) [2C]	A	50.0	53.0	1.35424E+08	1.38096E+08		6.1	20	
gamma-Chlordane	A	50.0	54.2	3.762213E+07	3.3328E+07		8.5	20	
gamma-Chlordane [2C]	A	50.0	54.2	1.316838E+08	1.17058E+08		8.3	20	
Heptachlor	A	50.0	56.7	3.943588E+07	3.6978E+07		13.3	20	
Heptachlor [2C]	A	50.0	49.9	1.256073E+08	9.8422E+07		-0.3	20	
Heptachlor epoxide	A	50.0	52.7	3.537212E+07	2.9524E+07		5.5	20	
Heptachlor epoxide [2C]	A	50.0	55.2	1.23513E+08	1.05062E+08		10.4	20	
Methoxychlor	A	50.0	55.4	1.619299E+07	1.3852E+07		10.9	20	
Methoxychlor [2C]	A	50.0	59.1	5.057667E+07	4.5026E+07		18.2	20	
Mirex	A	50.0	55.0	2.869623E+07	2.2612E+07		10.1	20	
Mirex [2C]	A	50.0	53.0	9.754354E+07	7.0232E+07		5.9	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043743.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/25/25
Lab Sample ID:	S5H2541-CCV2	Injection Time:	09:07

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Chlordane, total sample ND so no qual	A	1000	1400	3040543	3900667		39.9	20 *	CC VH
Chlordane, total [2C]	A	1000	1110	8469017	9343166		11.0	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043744.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/25/25
Lab Sample ID:	S5H2541-CCV3	Injection Time:	09:24

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Toxaphene	A	2000	2250	2.436121E+07	2.363975E+07		12.5	20	
Toxaphene [2C]	A	2000	2310	8.745071E+07	8.375395E+07		15.7	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043766.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/25/25
Lab Sample ID:	S5H2541-CCV4	Injection Time:	16:31

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
4,4'-DDD	A	50.0	51.5	2.807556E+07	2.4674E+07		3.0	20	
4,4'-DDD [2C]	A	50.0	47.7	9.578207E+07	7.1716E+07		-4.5	20	
4,4'-DDE	A	50.0	51.2	3.156469E+07	2.849E+07		2.5	20	
4,4'-DDE [2C]	A	50.0	49.9	1.23005E+08	1.01696E+08		-0.2	20	
4,4'-DDT	A	50.0	52.7	2.940642E+07	2.644E+07		5.4	20	
4,4'-DDT [2C]	A	50.0	55.7	9.415251E+07	8.7734E+07		11.4	20	
Aldrin	A	50.0	53.7	3.957725E+07	3.6052E+07		7.4	20	
Aldrin [2C]	A	50.0	54.1	1.359346E+08	1.2498E+08		8.2	20	
alpha-BHC	A	50.0	55.7	4.265601E+07	4.271E+07		11.5	20	
alpha-BHC [2C]	A	50.0	49.8	1.574038E+08	1.5555E+08		-0.4	20	
alpha-Chlordane	A	50.0	51.2	3.698443E+07	3.0344E+07		2.5	20	
alpha-Chlordane [2C]	A	50.0	50.2	1.302045E+08	1.04588E+08		0.4	20	
beta-BHC	A	50.0	51.7	1.858338E+07	1.3536E+07		3.4	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043766.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/25/25
Lab Sample ID:	S5H2541-CCV4	Injection Time:	16:31

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
beta-BHC [2C]	A	50.0	49.6	6.788347E+07	4.6946E+07		-0.8	20	
delta-BHC	A	50.0	48.0	3.994302E+07	3.0552E+07		-4.0	20	
delta-BHC [2C]	A	50.0	47.7	1.462668E+08	1.16872E+08		-4.5	20	
Dieldrin	A	50.0	52.6	3.65038E+07	3.216E+07		5.2	20	
Dieldrin [2C]	A	50.0	53.2	1.287595E+08	1.14208E+08		6.5	20	
Endosulfan I	A	50.0	52.3	3.460571E+07	2.8522E+07		4.6	20	
Endosulfan I [2C]	A	50.0	53.5	1.157973E+08	9.7154E+07		6.9	20	
Endosulfan II	A	50.0	50.7	3.195343E+07	2.3704E+07		1.5	20	
Endosulfan II [2C]	A	50.0	50.4	1.163766E+08	8.5334E+07		0.9	20	
Endosulfan sulfate	A	50.0	51.5	3.28734E+07	2.392E+07		3.1	20	
Endosulfan sulfate [2C]	A	50.0	52.2	1.160083E+08	8.591E+07		4.3	20	
Endrin	A	50.0	53.8	3.288445E+07	2.8906E+07		7.6	20	
Endrin [2C]	A	50.0	53.0	1.111152E+08	9.4018E+07		6.0	20	
Endrin aldehyde	A	50.0	44.7	2.596332E+07	1.7432E+07		-10.6	20	
Endrin aldehyde [2C]	A	50.0	46.0	9.598798E+07	6.4282E+07		-8.1	20	
Endrin ketone	A	50.0	51.2	3.558335E+07	2.7184E+07		2.5	20	
Endrin ketone [2C]	A	50.0	52.6	1.213721E+08	9.5736E+07		5.3	20	
gamma-BHC (Lindane)	A	50.0	55.2	3.803935E+07	3.7234E+07		10.4	20	
gamma-BHC (Lindane) [2C]	A	50.0	51.3	1.35424E+08	1.33336E+08		2.5	20	
gamma-Chlordane	A	50.0	52.1	3.762213E+07	3.19E+07		4.3	20	
gamma-Chlordane [2C]	A	50.0	51.4	1.316838E+08	1.10408E+08		2.8	20	
Heptachlor	A	50.0	55.8	3.943588E+07	3.6382E+07		11.7	20	
Heptachlor [2C]	A	50.0	48.3	1.256073E+08	9.5188E+07		-3.3	20	
Heptachlor epoxide	A	50.0	51.3	3.537212E+07	2.868E+07		2.7	20	
Heptachlor epoxide [2C]	A	50.0	52.1	1.23513E+08	9.8808E+07		4.2	20	
Methoxychlor	A	50.0	55.4	1.619299E+07	1.383E+07		10.7	20	
Methoxychlor [2C]	A	50.0	57.7	5.057667E+07	4.3832E+07		15.3	20	
Mirex	A	50.0	51.3	2.869623E+07	2.0942E+07		2.6	20	
Mirex [2C]	A	50.0	47.6	9.754354E+07	6.2128E+07		-4.8	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043777.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/25/25
Lab Sample ID:	S5H2541-CCV5	Injection Time:	20:41

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
4,4'-DDD	A	50.0	56.5	2.807556E+07	2.739E+07		13.0	20	
4,4'-DDD [2C]	A	50.0	51.6	9.578207E+07	7.8394E+07		3.3	20	
4,4'-DDE	A	50.0	52.9	3.156469E+07	2.9528E+07		5.8	20	
4,4'-DDE [2C]	A	50.0	52.5	1.23005E+08	1.0729E+08		4.9	20	
4,4'-DDT	A	50.0	48.1	2.940642E+07	2.387E+07		-3.8	20	
4,4'-DDT [2C]	A	50.0	49.6	9.415251E+07	7.6992E+07		-0.8	20	
Aldrin	A	50.0	55.4	3.957725E+07	3.7284E+07		10.8	20	
Aldrin [2C]	A	50.0	56.2	1.359346E+08	1.30366E+08		12.5	20	
alpha-BHC	A	50.0	56.2	4.265601E+07	4.3102E+07		12.4	20	
alpha-BHC [2C]	A	50.0	51.1	1.574038E+08	1.5953E+08		2.1	20	
alpha-Chlordane	A	50.0	53.5	3.698443E+07	3.1838E+07		7.1	20	
alpha-Chlordane [2C]	A	50.0	53.8	1.302045E+08	1.12864E+08		7.5	20	
beta-BHC	A	50.0	53.9	1.858338E+07	1.4174E+07		7.8	20	
beta-BHC [2C]	A	50.0	52.7	6.788347E+07	5.0262E+07		5.4	20	
delta-BHC	A	50.0	52.2	3.994302E+07	3.3548E+07		4.3	20	
delta-BHC [2C]	A	50.0	52.1	1.462668E+08	1.28448E+08		4.3	20	
Dieldrin	A	50.0	54.7	3.65038E+07	3.3542E+07		9.3	20	
Dieldrin [2C]	A	50.0	55.7	1.287595E+08	1.19762E+08		11.3	20	
Endosulfan I	A	50.0	54.5	3.460571E+07	2.9804E+07		9.0	20	
Endosulfan I [2C]	A	50.0	55.8	1.157973E+08	1.01618E+08		11.5	20	
Endosulfan II	A	50.0	54.0	3.195343E+07	2.5384E+07		8.1	20	
Endosulfan II [2C]	A	50.0	54.4	1.163766E+08	9.2528E+07		8.9	20	
Endosulfan sulfate	A	50.0	54.9	3.28734E+07	2.5624E+07		9.8	20	
Endosulfan sulfate [2C]	A	50.0	55.5	1.160083E+08	9.2026E+07		11.1	20	
Endrin	A	50.0	54.7	3.288445E+07	2.9414E+07		9.3	20	
Endrin [2C]	A	50.0	55.5	1.111152E+08	9.8726E+07		10.9	20	
Endrin aldehyde	A	50.0	50.3	2.596332E+07	1.929E+07		0.6	20	
Endrin aldehyde [2C]	A	50.0	51.4	9.598798E+07	7.0756E+07		2.8	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043777.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/25/25
Lab Sample ID:	S5H2541-CCV5	Injection Time:	20:41

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Endrin ketone	A	50.0	53.7	3.558335E+07	2.8626E+07		7.4	20	
Endrin ketone [2C]	A	50.0	54.2	1.213721E+08	9.8862E+07		8.5	20	
gamma-BHC (Lindane)	A	50.0	55.5	3.803935E+07	3.7476E+07		11.0	20	
gamma-BHC (Lindane) [2C]	A	50.0	52.3	1.35424E+08	1.3608E+08		4.6	20	
gamma-Chlordane	A	50.0	54.5	3.762213E+07	3.3474E+07		8.9	20	
gamma-Chlordane [2C]	A	50.0	54.1	1.316838E+08	1.16868E+08		8.2	20	
Heptachlor	A	50.0	55.1	3.943588E+07	3.5886E+07		10.3	20	
Heptachlor [2C]	A	50.0	48.4	1.256073E+08	9.5406E+07		-3.1	20	
Heptachlor epoxide	A	50.0	52.6	3.537212E+07	2.9468E+07		5.3	20	
Heptachlor epoxide [2C]	A	50.0	55.1	1.23513E+08	1.04974E+08		10.3	20	
Methoxychlor	A	50.0	49.5	1.619299E+07	1.224E+07		-1.0	20	
Methoxychlor [2C]	A	50.0	52.1	5.057667E+07	3.9274E+07		4.2	20	
Mirex	A	50.0	54.6	2.869623E+07	2.24E+07		9.1	20	
Mirex [2C]	A	50.0	49.2	9.754354E+07	6.4482E+07		-1.7	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043811.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/26/25
Lab Sample ID:	S5H2541-CCV6	Injection Time:	08:10

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
4,4'-DDD	A	50.0	49.9	2.807556E+07	2.383E+07		-0.2	20	
4,4'-DDD [2C]	A	50.0	46.2	9.578207E+07	6.9102E+07		-7.6	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043811.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/26/25
Lab Sample ID:	S5H2541-CCV6	Injection Time:	08:10

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
4,4'-DDE	A	50.0	49.5	3.156469E+07	2.7442E+07		-0.9	20	
4,4'-DDE [2C]	A	50.0	49.3	1.23005E+08	1.00246E+08		-1.5	20	
4,4'-DDT	A	50.0	50.4	2.940642E+07	2.5174E+07		0.9	20	
4,4'-DDT [2C]	A	50.0	52.7	9.415251E+07	8.2416E+07		5.4	20	
Aldrin	A	50.0	53.4	3.957725E+07	3.5798E+07		6.7	20	
Aldrin [2C]	A	50.0	53.1	1.359346E+08	1.22586E+08		6.2	20	
alpha-BHC	A	50.0	54.5	4.265601E+07	4.1688E+07		9.1	20	
alpha-BHC [2C]	A	50.0	48.5	1.574038E+08	1.51612E+08		-3.0	20	
alpha-Chlordane	A	50.0	51.1	3.698443E+07	3.0254E+07		2.2	20	
alpha-Chlordane [2C]	A	50.0	51.0	1.302045E+08	1.0655E+08		2.1	20	
beta-BHC	A	50.0	50.8	1.858338E+07	1.3284E+07		1.7	20	
beta-BHC [2C]	A	50.0	48.1	6.788347E+07	4.5388E+07		-3.8	20	
delta-BHC	A	50.0	47.8	3.994302E+07	3.0426E+07		-4.4	20	
delta-BHC [2C]	A	50.0	46.8	1.462668E+08	1.14468E+08		-6.4	20	
Dieldrin	A	50.0	52.2	3.65038E+07	3.1874E+07		4.3	20	
Dieldrin [2C]	A	50.0	52.8	1.287595E+08	1.13122E+08		5.5	20	
Endosulfan I	A	50.0	53.3	3.460571E+07	2.9122E+07		6.7	20	
Endosulfan I [2C]	A	50.0	52.8	1.157973E+08	9.5874E+07		5.6	20	
Endosulfan II	A	50.0	50.7	3.195343E+07	2.367E+07		1.3	20	
Endosulfan II [2C]	A	50.0	50.6	1.163766E+08	8.5566E+07		1.2	20	
Endosulfan sulfate	A	50.0	50.9	3.28734E+07	2.3584E+07		1.8	20	
Endosulfan sulfate [2C]	A	50.0	51.5	1.160083E+08	8.4674E+07		2.9	20	
Endrin	A	50.0	53.2	3.288445E+07	2.8554E+07		6.4	20	
Endrin [2C]	A	50.0	53.4	1.111152E+08	9.4792E+07		6.8	20	
Endrin aldehyde	A	50.0	44.0	2.596332E+07	1.7194E+07		-12.0	20	
Endrin aldehyde [2C]	A	50.0	45.3	9.598798E+07	6.3516E+07		-9.3	20	
Endrin ketone	A	50.0	50.9	3.558335E+07	2.699E+07		1.8	20	
Endrin ketone [2C]	A	50.0	51.9	1.213721E+08	9.4286E+07		3.8	20	
gamma-BHC (Lindane)	A	50.0	53.9	3.803935E+07	3.6264E+07		7.8	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043811.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/26/25
Lab Sample ID:	S5H2541-CCV6	Injection Time:	08:10

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
gamma-BHC (Lindane) [2C]	A	50.0	49.9	1.35424E+08	1.29636E+08		-0.2	20	
gamma-Chlordane	A	50.0	51.9	3.762213E+07	3.177E+07		3.9	20	
gamma-Chlordane [2C]	A	50.0	51.3	1.316838E+08	1.10136E+08		2.6	20	
Heptachlor	A	50.0	54.3	3.943588E+07	3.5292E+07		8.6	20	
Heptachlor [2C]	A	50.0	47.3	1.256073E+08	9.2982E+07		-5.4	20	
Heptachlor epoxide	A	50.0	50.8	3.537212E+07	2.8336E+07		1.6	20	
Heptachlor epoxide [2C]	A	50.0	52.2	1.23513E+08	9.8902E+07		4.3	20	
Methoxychlor	A	50.0	50.3	1.619299E+07	1.2462E+07		0.7	20	
Methoxychlor [2C]	A	50.0	53.5	5.057667E+07	4.0434E+07		7.0	20	
Mirex	A	50.0	52.5	2.869623E+07	2.145E+07		4.9	20	
Mirex [2C]	A	50.0	47.7	9.754354E+07	6.2232E+07		-4.7	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

BENCHSHEETS

SDG: 25H1532

CLASS: PEST

METHOD: EPA 8081B

PREPARATION BENCH SHEET : BH51816

Preparation Date: 08/23/2025 11:52

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1532-01 F	PEST, 8081 MASTER	30.3	10										
BH51816-BLK1	PEST, 8081 MASTER	30.1	10										
BH51816-BS1	PEST, 8081 MASTER	30.1	10	S25H289	100								

Reagent

Standard/Reagent ID	Description	LotNum
S25E087	ACETONE	25A1862002
S25G028	Baked Sodium Sulfate	436102
S25H252	HEXANE	EK623-US

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25H289	Pesticide Spike @ 10ug/mL	080725	100

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25H293	EXT Pest/PCB Surrogate Mix @ 20 ug/ml	08142025	100

Preparations Performed by Fraiser.Anchundia **Date:** **08/21/2025 14:02**

METHOD DETECTION AND REPORTING LIMITS

EPA 1633A

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: Soil **Instrument:** QQQ4

Analyte	LOD	LOQ	Units
11CL-PF3OUdS	0.220	0.756	ug/kg
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	0.160	0.768	ug/kg
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	0.220	0.750	ug/kg
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	0.180	0.760	ug/kg
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	0.940	5.00	ug/kg
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	0.730	5.00	ug/kg
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	0.320	1.00	ug/kg
9CL-PF3ONS	0.270	0.748	ug/kg
ADONA	0.260	0.756	ug/kg
HFPO-DA (Gen-X)	0.230	0.800	ug/kg
N-EtFOSA	0.0900	0.200	ug/kg
N-EtFOSAA	0.0900	0.200	ug/kg
N-EtFOSE	0.460	2.00	ug/kg
N-MeFOSA	0.130	0.200	ug/kg
N-MeFOSAA	0.0800	0.200	ug/kg
N-MeFOSE	0.730	2.00	ug/kg
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.0600	0.356	ug/kg
Perfluoro-1-decanesulfonic acid (PFDS)	0.0600	0.193	ug/kg
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.0700	0.200	ug/kg
Perfluoro-1-nonanesulfonic acid (PFNS)	0.140	0.192	ug/kg
Perfluoro-1-octanesulfonamide (FOSA)	0.0300	0.200	ug/kg
Perfluoro-1-pentanesulfonate (PFPeS)	0.0700	0.188	ug/kg
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	0.390	0.400	ug/kg
Perfluoro-4-oxapentanoic acid (PFMPA)	0.0400	0.400	ug/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 1633A

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: Soil **Instrument:** QQQ4

Analyte	LOD	LOQ	Units
Perfluoro-5-oxahexanoic acid (PFMBA)	0.120	0.400	ug/kg
Perfluorobutanesulfonic acid (PFBS)	0.0700	0.177	ug/kg
Perfluorodecanoic acid (PFDA)	0.0800	0.200	ug/kg
Perfluorododecanesulfonic acid (PFDoS)	0.150	0.194	ug/kg
Perfluorododecanoic acid (PFDoA)	0.0800	0.200	ug/kg
Perfluoroheptanoic acid (PFHpA)	0.110	0.200	ug/kg
Perfluorohexanesulfonic acid (PFHxS)	0.0700	0.183	ug/kg
Perfluorohexanoic acid (PFHxA)	0.0500	0.200	ug/kg
Perfluoro-n-butanoic acid (PFBA)	0.160	0.800	ug/kg
Perfluorononanoic acid (PFNA)	0.140	0.200	ug/kg
Perfluorooctanesulfonic acid (PFOS)	0.0700	0.186	ug/kg
Perfluorooctanoic acid (PFOA)	0.0700	0.200	ug/kg
Perfluoropentanoic acid (PFPeA)	0.0800	0.400	ug/kg
Perfluorotetradecanoic acid (PFTA)	0.130	0.200	ug/kg
Perfluorotridecanoic acid (PFTrDA)	0.110	0.200	ug/kg
Perfluoroundecanoic acid (PFUnA)	0.110	0.200	ug/kg

Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID: 25H1532-01RE1**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

extracted within 90-days
HT for solids - no qual

Sample Prepared by Method: EPA 1633 Prep

Results Reported to MDL

% Solids: 88.51

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.847	0.247	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.861	0.179	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.841	0.247	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.852	0.202	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	5.60	1.05	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	5.60	0.818	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	1.12	0.359	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.838	0.303	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
919005-14-4	ADONA	ND		ug/kg dry	0.847	0.291	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CCV-L	ug/kg dry	0.897	0.258	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.224	0.101	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.560	0.560	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	2.24	1.12	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.224	0.146	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.224	0.0897	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	2.24	0.818	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.399	0.0672	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.216	0.0672	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.224	0.0785	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.215	0.157	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.224	0.0336	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.211	0.0785	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.448	0.437	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.448	0.0448	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.448	0.134	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.198	0.0785	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.224	0.0897	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.217	0.168	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.224	0.0897	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.224	0.123	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.205	0.0785	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM

Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID: 25H1532-01RE1**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

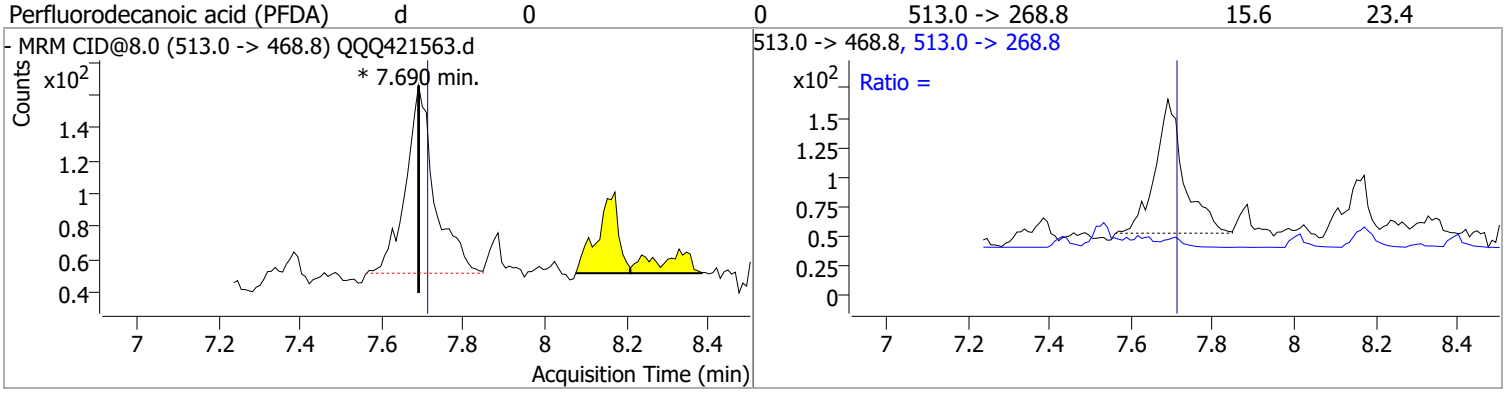
PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep | Results Reported to MDL | % Solids: 88.51

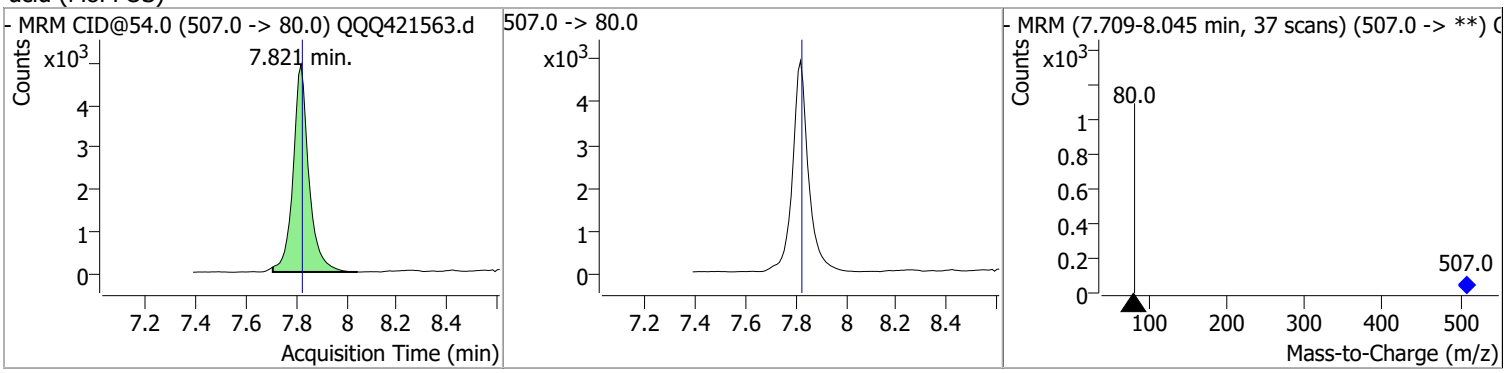
CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.224	0.0560	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.897	0.179	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND	UJ:IS	ug/kg dry	0.224	0.157	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	0.376		ug/kg dry	0.208	0.0785	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.224	0.0785	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.448	0.0897	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.224	0.146	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.224	0.123	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.224	0.123	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:23	AM
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*112 %*			*40-135*						
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*108 %*			*40-150*						
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*68.4 %*			*20-130*						
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*80.0 %*			*15-130*						
936109-40-9	*Surrogate: d-N-EtFOSA*	*64.7 %*			*10-130*						
936109-37-4	*Surrogate: d-N-MeFOSA*	*69.5 %*			*10-130*						
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*42.5 %*			*40-165*						
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*57.7 %*			*40-215*						
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*60.8 %*			*40-275*						
13C2PFTEDA	*Surrogate: M2PFTeDA*	*87.5 %*			*20-130*						
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*108 %*			*40-130*						
M3PFBS	*Surrogate: M3PFBS*	*131 %*			*40-135*						
13C3PFHXS	*Surrogate: M3PFHxS*	*122 %*			*40-130*						
13C4PFHPA	*Surrogate: M4PFHpA*	*108 %*			*40-130*						
2328025-54-8	*Surrogate: M5PFHxA*	*97.5 %*			*40-130*						
13C6PFDA	*Surrogate: M6PFDA*	*113 %*			*40-130*						
13C7PFUNA	*Surrogate: M7PFUdA*	*105 %*			*40-130*						
13C9PFNA	*Surrogate: M9PFNA*	*138 %*	PFSu-H		*40-130*						
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*93.3 %*			*40-130*						
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*115 %*			*40-130*						
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*94.5 %*			*40-130*						
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*110 %*			*8-130*						
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*94.2 %*			*35-130*						
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*120 %*			*40-130*						

EIS high - qual UJ,IS for PFNA

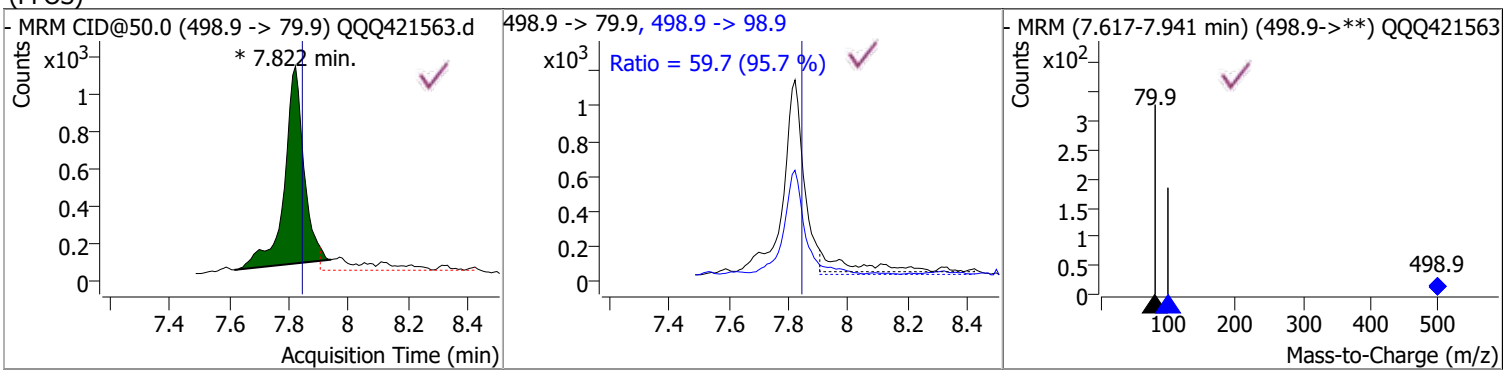
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorodecanoic acid (PFDA)	d	0		0	513.0 -> 268.8		15.6	23.4



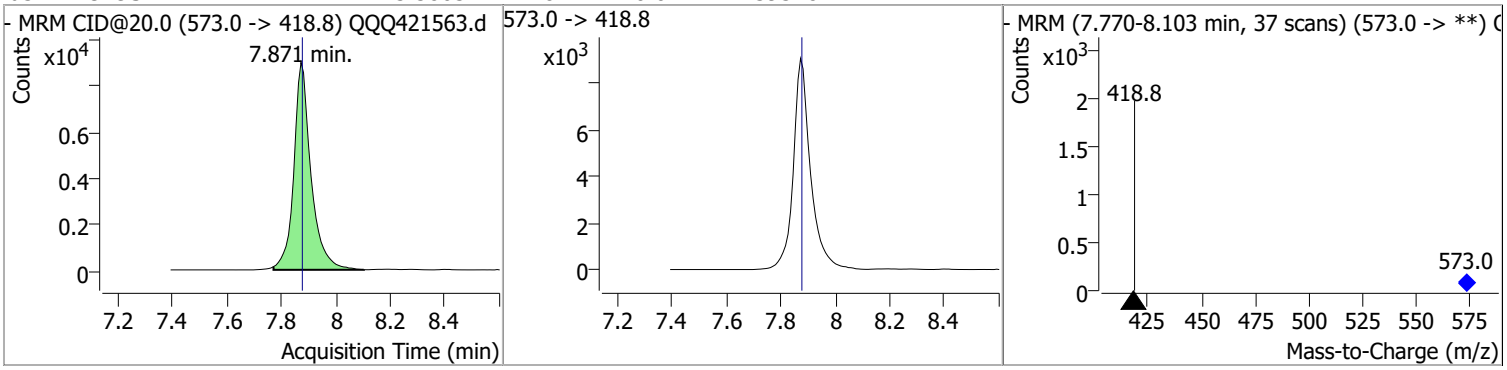
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.7580	7.82	-0.02	21285				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorooctanesulfonic acid (PFOS)	0.3359	7.82	-0.02	4820 (m)	498.9 -> 98.9	59.7	49.9	74.8



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
d3-N-MeFOSAA	5.5803	7.87	-0.02	39348				



Batch Supplementary Data

Batch Data Path File Name	D:\MassHunter\Data\PFAS\QuantResults\2025-09-07A-1633Final.batch.bin		
Analysis Time Stamp	9/8/2025 3:59:37 PM	**Analyst Name**	CORP\NARCM.UserPFAS
Report Generation Time	9/8/2025 4:13:03 PM	**Report Generator Name**	CORP\NARCM.UserPFAS
Calibration Last Updated Time Stamp	8/28/2025 4:05:26 PM	**Batch State**	Processed
Analyze Quant Version	11.1	**Report Quant Version**	11.1
Acq. Date-Time	9/7/2025 10:23:19 PM	**Data File**	QQQ421563.d
Sample Type	Sample	**Sampe Name**	25H1532-01RE1
Dil.	1	**Acq. Method File**	ACQ_QQQ4_EPA1633Final_revA_2025-08-26.m

S/N >3:1 or 10:1 for one quant ion

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.064	107813	7993	0.777			0.75			1186.44
Perfluoro-n-butanoic acid (PFBA)	3.098	0	0	0.000			1.00			0.00
PFMPA	4.077	0	0	0.000			1.00			0.00
3:3FTCA	4.757	0	0	0.000			1.00			0.00
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)	4.920	89191	18462	0.361			0.97			13152.47
Perfluoro-n-pentanoic acid (PFPeA)	4.894	0	0	0.000			1.00			0.00
PFMBA	5.348	0	0	0.000			1.00			0.00
M2-4-2FTS	5.570	8624	1906	0.344			1.06			1906.13
1H,1H,2H,2H-perfluoro-1-hexanesulfonate (4 2FTS)	5.561	25	9	0.163			1.58			192.66
NFDHA	5.687	0	0	0.000			1.00			0.00
Perfluorobutanesulfonic acid (PFBS)	5.760	0	0	0.000			1.00			0.00
M3PFBS	5.749	26225	5432	0.343			1.29			5431.73
M5PFHxA	5.792	96466	21937	0.343			1.22			14569.17
Perfluorohexanoic acid (PFHxA)	5.776	0	0	0.000			1.00			0.00
M3-HFPO-DA	6.047	32077	7182	0.332			1.45			1585.25
HFPO-DA	6.075	0	0	0.000			1.00			0.00
PFEESA	6.468	0	0	0.000			1.00			0.00
5-3FTCA	6.198	0	0	0.000			1.00			0.00
M4PFHpA	6.400	36518	8733	0.270			1.28			32555.77
Perfluoroheptanoic acid (PFHpA)	6.373	0	0	0.000			1.00			0.00
fluoro-1-pentanesulfonate PFPeS)	6.430	0	0	0.000			1.00			0.00
ONA	6.586	0	0	0.000			1.00			0.00
-6-2FTS	6.683	14428	3439	0.314			1.54			410.63

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Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
1H,1H,2H,2H-perfluoro-1-octanesulfonate (6 2FTS)	6.656	4	2	0.101			1.35			25.49
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	6.879	150098	35301	0.335			1.38			87581.07
Perfluorooctanoic acid (PFOA)	6.889	303	101	0.111			1.01			3.83
M3PFHxS	6.974	24855	5597	0.334			1.29			1704.23
Perfluorohexanesulfonic acid (PFHxS)	6.983	171	53	0.148			0.86			2.68
TDCA	7.061	0	0	0.000			1.00			0.00
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)	7.302	61375	14198	0.334			1.21			32485.07
Perfluorononanoic acid (PFNA)	7.358	0	0	0.000			1.00			0.00
Perfluoro-1-heptanesulfonate (L-PFHpS)	7.517	21	11	0.065			1.35			2.10
1H,1H,2H,2H-perfluoro-1-decanesulfonate (8 2FTS)	7.476	7	3	0.114			1.40			11.47
M2-8-2FTS	7.503	13700	3134	0.279			1.15			3133.58
7-3FTCA	7.517	0	0	0.000			1.00			0.00
M6PFDA	7.689	50744	11470	0.324			1.27			11470.13
Perfluorodecanoic acid (PFDA)	7.690	0	0	0.000			1.00			0.00
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	7.821	21285	4918	0.335			1.14			351.93
Perfluorooctanesulfonic acid (PFOS)	7.822	4820	1054	0.324			1.05			1054.04
d3-N-MeFOSAA	7.871	39348	8977	0.332			1.43			21710.60
N-MeFOSAA	7.881	355	63	0.379			0.52			62.58
d5-N-EtFOSAA	8.046	29675	6650	0.286			1.67			159.56
N-EtFOSAA	8.047	808	118	0.434			2.03			118.27
M7PFUdA	8.066	61668	14232	0.296			1.05			37452.28
Perfluoroundecanoic acid (PFUnA)	8.067	1354	286	0.215			0.70			28.59
9-Cl-PF3ONS	8.189	0	0	0.000			1.00			0.00
Perfluorononanesulfonate (L-PFNS)	8.207	0	0	0.000			1.00			0.00
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.432	59469	13244	0.295			1.02			479368.21
Perfluorododecanoic acid DoA)	8.423	0	0	0.000			1.00			0.00
fluoro-1-decanesulfonate PFDS)	8.573	0	0	0.000			1.00			0.00
fluorotridecanoic acid TrDA)	8.792	0	0	0.000			1.00			0.00

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
11-Cl-PF3OUdS	8.885	0	0	0.000			1.00			0.00
M2PFTeDA	9.122	57158	12600	0.340			1.26			25335.87
Perfluorotetradecanoic acid (PFTA)	9.122	0	0	0.000			1.00			0.00
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	9.239	39525	9582	0.330			1.43			36554.43
Perfluoro-1-octanesulfonamide (FOSA)	9.240	182	44	0.196			1.06			43.91
Perfluorododecanesulfonic acid (PFDoS)	9.243	0	0	0.000			1.00			0.00
d7-NMeFOSE	10.363	74015	17665	0.321			1.48			17665.16
NMeFOSE	10.392	0	0	0.000			1.00			0.00
d3-NMeFOSA	10.515	2679	642	0.266			1.29			237.25
NMeFOSA	10.507	0	0	0.000			1.00			0.00
d9-NEtFOSE	10.664	68193	17016	0.321			1.43			3395.24
NEtFOSE	10.683	1959	276	0.523			0.35			37.93
d5-NEtFOSA	10.796	2116	573	0.259			1.61			211.95
NEtFOSA	10.742	0	0	0.000			1.00			0.00

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5I0837	Instrument:	QQQ4
Batch:	BI50372	Calibration:	SH50063

Surrogate Compound	Spike Level ug/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI50372-BS1)			Lab File ID: QQQ421541.d		Analyzed: 09/07/25 16:46			
M3PFBS	2.33	121	40 - 135	5.767867	5.879787	-0.1119	+/-0.50	
M5PFHxA	2.50	103	40 - 130	5.801383	5.899858	-0.0985	+/-0.50	
M4PFHpA	2.50	120	40 - 130	6.409	6.507434	-0.0984	+/-0.50	
M3PFHxS	2.37	112	40 - 130	6.9828	7.100925	-0.1181	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	121	40 - 130	6.8881	6.992727	-0.1046	+/-0.50	
M6PFDA	1.25	116	40 - 130	7.708367	7.815094	-0.1067	+/-0.50	
M7PFUdA	1.25	115	40 - 130	8.075216	8.195725	-0.1205	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	114	40 - 130	8.441816	8.570442	-0.1286	+/-0.50	
M2PFTeDA	1.25	104	20 - 130	9.14	9.267546	-0.1275	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	117	8 - 130	3.09175	3.330342	-0.2386	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	121	40 - 130	7.839283	7.958965	-0.1197	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	99.2	35 - 130	4.9195	5.02504	-0.1055	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	97.8	40 - 130	9.24795	9.312296	-0.0643	+/-0.50	
d3-N-MeFOSAA	5.00	112	40 - 135	7.889767	7.972625	-0.0829	+/-0.50	
d5-N-EtFOSAA	5.00	106	40 - 150	8.064783	8.150069	-0.0853	+/-0.50	
M2-6:2 FTS	4.76	40.8	40 - 215	6.692483	6.792652	-0.1002	+/-0.50	
M2-8:2 FTS	4.80	47.6	40 - 275	7.51225	7.614275	-0.1020	+/-0.50	
M9PFNA	1.25	142	40 - 130	7.311333	7.416027	-0.1047	+/-0.50	*
M2-4:2 FTS	4.69	36.9	40 - 165	5.569967	5.669971	-0.1000	+/-0.50	*
d-N-MeFOSA	2.50	96.3	10 - 130	10.51457	10.55139	-0.0368	+/-0.50	
d-N-EtFOSA	2.50	99.0	10 - 130	10.79642	10.83668	-0.0403	+/-0.50	
M3HFPO-DA	10.0	122	40 - 130	6.06565	6.163456	-0.0978	+/-0.50	
d9-N-EtFOSE	25.0	114	15 - 130	10.66422	10.70103	-0.0368	+/-0.50	
d7-N-MeFOSE	25.0	105	20 - 130	10.37227	10.4045	-0.0322	+/-0.50	

no qual for QC samples

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5I0837	Instrument:	QQQ4
Batch:	BI50372	Calibration:	SH50063

Surrogate Compound	Spike Level ug/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (BI50372-BLK1)			Lab File ID: QQQ421542.d		Analyzed: 09/07/25 17:01			
M3PFBS	2.33	116	40 - 135	5.758733	5.879787	-0.1211	+/-0.50	
M5PFHxA	2.50	102	40 - 130	5.801434	5.899858	-0.0984	+/-0.50	
M4PFHpA	2.50	116	40 - 130	6.40905	6.507434	-0.0984	+/-0.50	
M3PFHxS	2.37	110	40 - 130	6.98285	7.100925	-0.1181	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	122	40 - 130	6.88815	6.992727	-0.1046	+/-0.50	
M6PFDA	1.25	109	40 - 130	7.6987	7.815094	-0.1164	+/-0.50	
M7PFUdA	1.25	110	40 - 130	8.075267	8.195725	-0.1205	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	108	40 - 130	8.441867	8.570442	-0.1286	+/-0.50	
M2PFTeDA	1.25	97.8	20 - 130	9.140034	9.267546	-0.1275	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	114	8 - 130	3.07345	3.330342	-0.2569	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	112	40 - 130	7.830117	7.958965	-0.1288	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	96.7	35 - 130	4.91955	5.02504	-0.1055	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	96.4	40 - 130	9.2388	9.312296	-0.0735	+/-0.50	
d3-N-MeFOSAA	5.00	102	40 - 135	7.8806	7.972625	-0.0920	+/-0.50	
d5-N-EtFOSAA	5.00	102	40 - 150	8.055634	8.150069	-0.0944	+/-0.50	
M2-6:2 FTS	4.76	44.3	40 - 215	6.692533	6.792652	-0.1001	+/-0.50	
M2-8:2 FTS	4.80	50.5	40 - 275	7.512283	7.614275	-0.1020	+/-0.50	
M9PFNA	1.25	140	40 - 130	7.311383	7.416027	-0.1046	+/-0.50	*
M2-4:2 FTS	4.69	38.1	40 - 165	5.570017	5.669971	-0.1000	+/-0.50	*
d-N-MeFOSA	2.50	90.5	10 - 130	10.5146	10.55139	-0.0368	+/-0.50	
d-N-EtFOSA	2.50	92.1	10 - 130	10.79645	10.83668	-0.0402	+/-0.50	
M3HFPO-DA	10.0	116	40 - 130	6.0565	6.163456	-0.1070	+/-0.50	
d9-N-EtFOSE	25.0	109	15 - 130	10.66425	10.70103	-0.0368	+/-0.50	
d7-N-MeFOSE	25.0	99.7	20 - 130	10.36313	10.4045	-0.0414	+/-0.50	

no qual for QC samples

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5I0837	Instrument:	QQQ4
Batch:	BI50372	Calibration:	SH50063

Surrogate Compound	Spike Level ug/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI50372-BS2)			Lab File ID: QQQ421543.d		Analyzed: 09/07/25 17:17			
M3PFBS	2.33	117	40 - 135	5.758683	5.879787	-0.1211	+/-0.50	
M5PFHxA	2.50	92.5	40 - 130	5.801383	5.899858	-0.0985	+/-0.50	
M4PFHpA	2.50	111	40 - 130	6.409	6.507434	-0.0984	+/-0.50	
M3PFHxS	2.37	105	40 - 130	6.9828	7.100925	-0.1181	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	109	40 - 130	6.8881	6.992727	-0.1046	+/-0.50	
M6PFDA	1.25	106	40 - 130	7.698633	7.815094	-0.1165	+/-0.50	
M7PFUdA	1.25	103	40 - 130	8.075216	8.195725	-0.1205	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	93.0	40 - 130	8.441816	8.570442	-0.1286	+/-0.50	
M2PFTeDA	1.25	86.6	20 - 130	9.14	9.267546	-0.1275	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	107	8 - 130	3.082583	3.330342	-0.2478	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	99.6	40 - 130	7.830067	7.958965	-0.1289	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	89.7	35 - 130	4.9195	5.02504	-0.1055	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	85.9	40 - 130	9.24795	9.312296	-0.0643	+/-0.50	
d3-N-MeFOSAA	5.00	95.9	40 - 135	7.88975	7.972625	-0.0829	+/-0.50	
d5-N-EtFOSAA	5.00	95.9	40 - 150	8.064783	8.150069	-0.0853	+/-0.50	
M2-6:2 FTS	4.76	44.3	40 - 215	6.692483	6.792652	-0.1002	+/-0.50	
M2-8:2 FTS	4.80	46.9	40 - 275	7.512233	7.614275	-0.1020	+/-0.50	
M9PFNA	1.25	127	40 - 130	7.311316	7.416027	-0.1047	+/-0.50	
M2-4:2 FTS	4.69	35.9	40 - 165	5.569967	5.669971	-0.1000	+/-0.50	*
d-N-MeFOSA	2.50	80.5	10 - 130	10.51457	10.55139	-0.0368	+/-0.50	
d-N-EtFOSA	2.50	88.0	10 - 130	10.79642	10.83668	-0.0403	+/-0.50	
M3HFPO-DA	10.0	110	40 - 130	6.05645	6.163456	-0.1070	+/-0.50	
d9-N-EtFOSE	25.0	97.3	15 - 130	10.66422	10.70103	-0.0368	+/-0.50	
d7-N-MeFOSE	25.0	87.4	20 - 130	10.37227	10.4045	-0.0322	+/-0.50	

no qual for QC samples

EIS RECOVERIES EVALUATED
WITH SAMPLE RESULTS

FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5I0837	Instrument:	QQQ4
Batch:	BI50372	Calibration:	SH50063

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
HVAC - Spoils (25H1532-01RE1)				Lab File ID: QQQ421563.d	Analyzed: 09/07/25 22:23			
M3PFBS	2.61	131	40 - 135	5.749483	5.879787	-0.1303	+/-0.50	
M5PFHxA	2.80	97.5	40 - 130	5.792183	5.899858	-0.1077	+/-0.50	
M4PFHpA	2.80	108	40 - 130	6.3998	6.507434	-0.1076	+/-0.50	
M3PFHxS	2.66	122	40 - 130	6.973617	7.100925	-0.1273	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.80	120	40 - 130	6.878917	6.992727	-0.1138	+/-0.50	
M6PFDA	1.40	113	40 - 130	7.689433	7.815094	-0.1257	+/-0.50	
M7PFUdA	1.40	105	40 - 130	8.066016	8.195725	-0.1297	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.40	94.5	40 - 130	8.43225	8.570442	-0.1382	+/-0.50	
M2PFTeDA	1.40	87.5	20 - 130	9.121616	9.267546	-0.1459	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.2	110	8 - 130	3.064233	3.330342	-0.2661	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.68	115	40 - 130	7.820867	7.958965	-0.1381	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.60	94.2	35 - 130	4.9195	5.02504	-0.1055	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.80	93.3	40 - 130	9.238767	9.312296	-0.0735	+/-0.50	
d3-N-MeFOSAA	5.60	112	40 - 135	7.87135	7.972625	-0.1013	+/-0.50	
d5-N-EtFOSAA	5.60	108	40 - 150	8.046233	8.150069	-0.1038	+/-0.50	
M2-6:2 FTS	5.33	57.7	40 - 215	6.6833	6.792652	-0.1094	+/-0.50	
M2-8:2 FTS	5.38	60.8	40 - 275	7.503033	7.614275	-0.1112	+/-0.50	
M9PFNA	1.40	138	40 - 130	7.302134	7.416027	-0.1139	+/-0.50	*
M2-4:2 FTS	5.26	42.5	40 - 165	5.569967	5.669971	-0.1000	+/-0.50	
d-N-MeFOSA	2.80	69.5	10 - 130	10.51457	10.55139	-0.0368	+/-0.50	
d-N-EtFOSA	2.80	64.7	10 - 130	10.79642	10.83668	-0.0403	+/-0.50	
M3HFPO-DA	11.2	108	40 - 130	6.047266	6.163456	-0.1162	+/-0.50	
d9-N-EtFOSE	28.0	80.0	15 - 130	10.66422	10.70103	-0.0368	+/-0.50	
d7-N-MeFOSE	28.0	68.4	20 - 130	10.36308	10.4045	-0.0414	+/-0.50	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BI50372	Laboratory ID:	BI50372-BS1
Preparation:	EPA 1633 Prep	Initial/Final:	5 g / 5 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
11CL-PF3OUdS	7.56	5.90	78.1	45 - 160	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	15.4	12.2	79.3	70 - 150	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	15.0	13.1	87.2	60 - 150	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	15.2	14.0	91.9	55 - 200	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	80.0	56.4	70.5	60 - 150	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	80.0	55.6	69.5	60 - 130	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	16.0	12.2	76.1	45 - 130	
9CL-PF3ONS	7.48	6.36	85.1	70 - 150	
ADONA	7.56	6.09	80.5	70 - 160	
HFPO-DA (Gen-X)	8.00	3.90	48.7 *	70 - 145	
N-EtFOSA	4.00	3.44	85.9	70 - 140	
N-EtFOSAA	4.00	3.18	79.6	65 - 165	
N-EtFOSE	40.0	32.4	81.1	70 - 135	
N-MeFOSA	4.00	3.58	89.6	70 - 155	
N-MeFOSAA	4.00	3.29	82.2	65 - 155	
N-MeFOSE	40.0	34.5	86.2	70 - 140	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	7.12	6.55	92.0	70 - 140	
Perfluoro-1-decanesulfonic acid (PFDS)	3.86	3.32	85.9	40 - 155	
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.82	3.37	88.3	65 - 155	
Perfluoro-1-nonanesulfonic acid (PFNS)	3.84	3.51	91.4	55 - 140	
Perfluoro-1-octanesulfonamide (FOSA)	4.00	3.73	93.2	70 - 140	
Perfluoro-1-pentanesulfonate (PFPeS)	3.76	3.29	87.4	55 - 160	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	8.00	9.32	117	60 - 155	
Perfluoro-4-oxapentanoic acid (PFMPA)	8.00	6.80	85.0	30 - 140	
Perfluoro-5-oxahexanoic acid (PFMBA)	8.00	7.03	87.9	60 - 150	
Perfluorobutanesulfonic acid (PFBS)	3.54	2.93	82.9	65 - 145	

LCS %rec low - qual UJ,LC-

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BI50372	Laboratory ID:	BI50372-BS1
Preparation:	EPA 1633 Prep	Initial/Final:	5 g / 5 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
Perfluorodecanoic acid (PFDA)	4.00	3.50	87.5	70 - 155	
Perfluorododecanesulfonic acid (PFDoS)	3.88	2.98	76.9	25 - 160	
Perfluorododecanoic acid (PFDoA)	4.00	3.47	86.7	70 - 150	
Perfluoroheptanoic acid (PFHpA)	4.00	3.21	80.3	65 - 145	
Perfluorohexanesulfonic acid (PFHxS)	3.66	3.22	87.8	60 - 150	
Perfluorohexanoic acid (PFHxA)	4.00	3.54	88.4	65 - 140	
Perfluoro-n-butanoic acid (PFBA)	16.0	13.4	83.4	70 - 140	
Perfluorononanoic acid (PFNA)	4.00	3.03	75.8	70 - 155	
Perfluorooctanesulfonic acid (PFOS)	3.72	3.11	83.5	65 - 160	
Perfluorooctanoic acid (PFOA)	4.00	3.62	90.6	70 - 150	
Perfluoropentanoic acid (PFPeA)	8.00	6.75	84.3	60 - 150	
Perfluorotetradecanoic acid (PFTA)	4.00	3.23	80.9	65 - 150	
Perfluorotridecanoic acid (PFTrDA)	4.00	3.98	99.5	65 - 150	
Perfluoroundecanoic acid (PFUnA)	4.00	3.03	75.8	70 - 155	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 1633A

LLCS

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BI50372	Laboratory ID:	BI50372-BS2
Preparation:	EPA 1633 Prep	Initial/Final:	5 g / 5 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
11CL-PF3OUdS	0.756	0.734	97.1	45 - 160	J
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1.54	1.09	70.7	70 - 150	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1.50	1.09	72.9	60 - 150	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1.52	1.13	74.4	55 - 200	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	8.00	5.65	70.7	60 - 150	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	8.00	5.60	70.0	60 - 130	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	1.60	1.35	84.1	45 - 130	
9CL-PF3ONS	0.748	0.582	77.8	70 - 150	J
ADONA	0.756	0.664	87.9	70 - 160	J
HFPO-DA (Gen-X)	0.800	0.543	67.9 *	70 - 145	J
N-EtFOSA	0.400	0.328	82.0	70 - 140	
N-EtFOSAA	0.400	0.289	72.3	65 - 165	J
N-EtFOSE	4.00	3.19	79.7	70 - 135	
N-MeFOSA	0.400	0.370	92.5	70 - 155	
N-MeFOSAA	0.400	0.249	62.3 *	65 - 155	
N-MeFOSE	4.00	3.35	83.7	70 - 140	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.712	0.615	86.4	70 - 140	
Perfluoro-1-decanesulfonic acid (PFDS)	0.386	0.287	74.4	40 - 155	
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.382	0.319	83.6	65 - 155	
Perfluoro-1-nonanesulfonic acid (PFNS)	0.384	0.179	46.6 *	55 - 140	J
Perfluoro-1-octanesulfonamide (FOSA)	0.400	0.312	78.1	70 - 140	
Perfluoro-1-pentanesulfonate (PFPeS)	0.376	0.305	81.0	55 - 160	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	0.800	0.854	107	60 - 155	
Perfluoro-4-oxapentanoic acid (PFMPA)	0.800	0.650	81.3	30 - 140	
Perfluoro-5-oxahexanoic acid (PFMBA)	0.800	0.667	83.4	60 - 150	
Perfluorobutanesulfonic acid (PFBS)	0.354	0.282	79.6	65 - 145	

LCS %rec low - qual UJ,LC-

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 1633A

LLCS

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BI50372	Laboratory ID:	BI50372-BS2
Preparation:	EPA 1633 Prep	Initial/Final:	5 g / 5 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
Perfluorodecanoic acid (PFDA)	0.400	0.293	73.2	70 - 155	
Perfluorododecanesulfonic acid (PFDoS)	0.388	0.280	72.0	25 - 160	
Perfluorododecanoic acid (PFDoA)	0.400	0.344	85.9	70 - 150	
Perfluoroheptanoic acid (PFHpA)	0.400	0.291	72.6	65 - 145	
Perfluorohexanesulfonic acid (PFHxS)	0.366	0.288	78.7	60 - 150	
Perfluorohexanoic acid (PFHxA)	0.400	0.304	76.0	65 - 140	
Perfluoro-n-butanoic acid (PFBA)	1.60	1.21	75.4	70 - 140	
Perfluorononanoic acid (PFNA)	0.400	0.297	74.1	70 - 155	
Perfluorooctanesulfonic acid (PFOS)	0.372	0.317	85.3	65 - 160	
Perfluorooctanoic acid (PFOA)	0.400	0.337	84.3	70 - 150	
Perfluoropentanoic acid (PFPeA)	0.800	0.604	75.5	60 - 150	
Perfluorotetradecanoic acid (PFTA)	0.400	0.298	74.4	65 - 150	
Perfluorotridecanoic acid (PFTrDA)	0.400	0.365	91.1	65 - 150	
Perfluoroundecanoic acid (PFUnA)	0.400	0.327	81.7	70 - 155	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Batch:	BI50372	Batch Matrix:	Soil	Preparation:	EPA 1633 Prep

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC - Spoils	25H1532-01RE1	QQQ421563.d	09/06/25 10:13	From BH52275 by MPR on 09/06/2025
Blank	BI50372-BLK1	QQQ421542.d	09/06/25 10:13	
LCS	BI50372-BS1	QQQ421541.d	09/06/25 10:13	
LCS	BI50372-BS2	QQQ421543.d	09/06/25 10:13	

FORM I

METHOD BLANK DATA SHEET

EPA 1633A

CLEAN BLANK ✓

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Laboratory ID:	BI50372-BLK1
Project:	JA257006 Task 10.2			Calibration:	SH50063
Preparation:	EPA 1633 Prep	Prepared:	09/06/25 10:13	File ID:	QQQ421542.d
Instrument:	QQQ4	Analyzed:	09/07/25 17:01	Initial/Final:	5 g / 5 mL
Batch:	BI50372	Sequence:	S5I0837	Matrix:	Soil

Analyzed by: ALS Environmental - Stratford

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
763051-92-9	11CL-PF3OUdS	ND		ug/kg wet	0.756	0.220	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg wet	0.768	0.160	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg wet	0.750	0.220	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg wet	0.760	0.180	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg wet	5.00	0.940	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg wet	5.00	0.730	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg wet	1.00	0.320	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
756426-58-1	9CL-PF3ONS	ND		ug/kg wet	0.748	0.270	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
919005-14-4	ADONA	ND		ug/kg wet	0.756	0.260	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
13252-13-6	HFPO-DA (Gen-X)	ND		ug/kg wet	0.800	0.230	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
4151-50-2	N-EtFOSA	ND		ug/kg wet	0.200	0.0900	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
2991-50-6	N-EtFOSAA	ND		ug/kg wet	0.500	0.500	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
1691-99-2	N-EtFOSE	ND		ug/kg wet	2.00	0.460	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
31506-32-8	N-MeFOSA	ND		ug/kg wet	0.200	0.130	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
2355-31-9	N-MeFOSAA	ND		ug/kg wet	0.200	0.0800	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
24448-09-7	N-MeFOSE	ND		ug/kg wet	2.00	0.730	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg wet	0.356	0.0600	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg wet	0.193	0.0600	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg wet	0.200	0.0700	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg wet	0.192	0.140	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg wet	0.200	0.0300	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg wet	0.188	0.0700	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg wet	0.400	0.390	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg wet	0.400	0.0400	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg wet	0.400	0.120	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg wet	0.177	0.0700	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg wet	0.200	0.0800	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg wet	0.194	0.150	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg wet	0.200	0.0800	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	

FORM I

METHOD BLANK DATA SHEET

EPA 1633A

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Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Laboratory ID:	BI50372-BLK1
Project:	JA257006 Task 10.2			Calibration:	SH50063
Preparation:	EPA 1633 Prep	Prepared:	09/06/25 10:13	File ID:	QQQ421542.d
Instrument:	QQQ4	Analyzed:	09/07/25 17:01	Initial/Final:	5 g / 5 mL
Batch:	BI50372	Sequence:	S5I0837	Matrix:	Soil

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg wet	0.200	0.110	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg wet	0.183	0.0700	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg wet	0.200	0.0500	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg wet	0.800	0.160	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg wet	0.200	0.140	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg wet	0.186	0.0700	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg wet	0.200	0.0700	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg wet	0.400	0.0800	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg wet	0.200	0.130	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg wet	0.200	0.110	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg wet	0.200	0.110	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	

Surrogate Recoveries		Result	Acceptance Range
D3-NMEFOSAA	d3-N-MeFOSAA	*102 %*	*40-135*
D5-NETFOSAA	d5-N-EtFOSAA	*102 %*	*40-150*
D7-NMEPFOSA	d7-N-MeFOSE	*99.7 %*	*20-130*
D9-NETPFOSA	d9-N-EtFOSE	*109 %*	*15-130*
936109-40-9	d-N-EtFOSA	*92.1 %*	*10-130*
936109-37-4	d-N-MeFOSA	*90.5 %*	*10-130*
M2-4:2FTS	M2-4:2 FTS	*38.1 %*	*40-165*
M2-6:2FTS	M2-6:2 FTS	*44.3 %*	*40-215*
M2-8:2FTS	M2-8:2 FTS	*50.5 %*	*40-275*
13C2PFTEDA	M2PFTeDA	*97.8 %*	*20-130*
M3HFPO-DA	M3HFPO-DA	*116 %*	*40-130*
M3PFBS	M3PFBS	*116 %*	*40-135*
13C3PFHXS	M3PFHxS	*110 %*	*40-130*
13C4PFHPA	M4PFHpA	*116 %*	*40-130*
2328025-54-8	M5PFHxA	*102 %*	*40-130*
13C6PFDA	M6PFDA	*109 %*	*40-130*
13C7PFUNA	M7PFUdA	*110 %*	*40-130*
13C9PFNA	M9PFNA	*140 %*	*40-130*
13C8FOSA	Perfluoro-1-[13C8]octanesulfonamide (M	*96.4 %*	*40-130*
13C8PFOS	Perfluoro-1-[13C8]octanesulfonic acid (	*112 %*	*40-130*
960315-52-0	Perfluoro-n-[1,2-13C2]dodecanoic acid (	*108 %*	*40-130*

FORM I

METHOD BLANK DATA SHEET

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Laboratory ID:	BI50372-BLK1
Project:	JA257006 Task 10.2			Calibration:	SH50063
Preparation:	EPA 1633 Prep	Prepared:	09/06/25 10:13	File ID:	QQQ421542.d
Instrument:	QQQ4	Analyzed:	09/07/25 17:01	Initial/Final:	5 g / 5 mL
Batch:	BI50372	Sequence:	S5I0837	Matrix:	Soil

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst

	Surrogate Recoveries	Result	Acceptance Range
13C4PFBA	Perfluoro-n-[13C4]butanoic acid (MPFE	*114 %*	*8-130*
13C5PFPEA	Perfluoro-n-[13C5]pentanoic acid (M5P	*96.7 %*	*35-130*
13C8PFOA	Perfluoro-n-[13C8]octanoic acid (M8PF	*122 %*	*40-130*

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	S5H2836-CCB2	File ID:	QQQ421175.d
Prepared:	08/27/25 08:00	Preparation:	BG51450	Initial/Final:	
Analyzed:	08/27/25 15:07	Instrument:	QQQ4		
Batch:	S5H2836	Sequence:	S5H2836	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ng/mL)	Q
763051-92-9	11CL-PF3OUdS		U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)		U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)		U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)		U
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)		U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		U
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)		U
756426-58-1	9CL-PF3ONS		U
919005-14-4	ADONA		U
13252-13-6	HFPO-DA (Gen-X)		U
4151-50-2	N-EtFOSA		U
2991-50-6	N-EtFOSAA		U
1691-99-2	N-EtFOSE		U
31506-32-8	N-MeFOSA		U
2355-31-9	N-MeFOSAA		U
24448-09-7	N-MeFOSE		U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)		U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)		U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)		U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)		U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)		U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)		U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)		U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)		U
375-73-5	Perfluorobutanesulfonic acid (PFBS)		U
335-76-2	Perfluorodecanoic acid (PFDA)		U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		U
307-55-1	Perfluorododecanoic acid (PFDoA)		U
375-85-9	Perfluoroheptanoic acid (PFHpA)		U

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EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	S5H2836-CCB2	File ID:	QQQ421175.d
Prepared:	08/27/25 08:00	Preparation:	BG51450	Initial/Final:	
Analyzed:	08/27/25 15:07	Instrument:	QQQ4		
Batch:	S5H2836	Sequence:	S5H2836	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ng/mL)	Q
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		U
307-24-4	Perfluorohexanoic acid (PFHxA)		U
375-22-4	Perfluoro-n-butanoic acid (PFBA)		U
375-95-1	Perfluorononanoic acid (PFNA)		U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		U
335-67-1	Perfluorooctanoic acid (PFOA)		U
2706-90-3	Perfluoropentanoic acid (PFPeA)		U
376-06-7	Perfluorotetradecanoic acid (PFTA)		U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		U
2058-94-8	Perfluoroundecanoic acid (PFUnA)		U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
d3-N-MeFOSAA	5.00	5.22	104	40 - 135	
d5-N-EtFOSAA	5.00	5.24	105	40 - 150	
d7-N-MeFOSE	25.0	25.4	101	20 - 130	
d9-N-EtFOSE	25.0	25.7	103	15 - 130	
d-N-EtFOSA	2.50	2.62	105	10 - 130	
d-N-MeFOSA	2.50	2.24	89.8	10 - 130	
M2-4:2 FTS	4.69	5.44	116	40 - 165	
M2-6:2 FTS	4.76	5.08	107	40 - 215	
M2-8:2 FTS	4.80	5.26	109	40 - 275	
M2PFTeDA	1.25	1.35	108	20 - 130	
M3HFPO-DA	10.0	10.5	105	40 - 130	
M3PFBS	2.33	2.58	111	40 - 135	
M3PFHxS	2.37	2.58	109	40 - 130	
M4PFHpA	2.50	2.43	97.3	40 - 130	
M5PFHxA	2.50	2.53	101	40 - 130	
M6PFDA	1.25	1.38	110	40 - 130	
M7PFUdA	1.25	1.29	103	40 - 130	
M9PFNA	1.25	1.24	99.1	40 - 130	

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CALIBRATION BLANK DATA SHEET

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	S5H2836-CCB2	File ID:	QQQ421175.d
Prepared:	08/27/25 08:00	Preparation:	BG51450	Initial/Final:	
Analyzed:	08/27/25 15:07	Instrument:	QQQ4		
Batch:	S5H2836	Sequence:	S5H2836	Calibration:	SH50063

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	2.50	99.9	40 - 130	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	2.52	105	40 - 130	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	1.30	104	40 - 130	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	10.0	100	8 - 130	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	5.24	105	35 - 130	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	2.47	99.0	40 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	48054.57	3.316567	43119.85	3.32575	
MPFDA	53667.88	7.810783	51473.97	7.819983	
MPFHxA	86796.31	5.895566	80747.38	5.895566	
MPFHxS	21567.74	7.102917	20714.7	7.1029	
MPFNA	80643.31	7.413917	73945.98	7.413917	
MPFOA	204674.7	6.99075	188562.8	6.990733	
MPFOS	29423.06	7.95005	26653.52	7.95925	

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

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Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	BI50372-BLK1	File ID:	QQQ421542.d
Prepared:	09/06/25 10:13	Preparation:	EPA 1633 Prep	Initial/Final:	5 ng/mL / 5 mL
Analyzed:	09/07/25 17:01	Instrument:	QQQ4		
Batch:	BI50372	Sequence:	S5I0837	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
763051-92-9	11CL-PF3OUdS	0.756	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	0.768	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	0.750	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	0.760	U
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	5.00	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	5.00	U
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	1.00	U
756426-58-1	9CL-PF3ONS	0.748	U
919005-14-4	ADONA	0.756	U
13252-13-6	HFPO-DA (Gen-X)	0.800	U
4151-50-2	N-EtFOSA	0.200	U
2991-50-6	N-EtFOSAA	0.500	U
1691-99-2	N-EtFOSE	2.00	U
31506-32-8	N-MeFOSA	0.200	U
2355-31-9	N-MeFOSAA	0.200	U
24448-09-7	N-MeFOSE	2.00	U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.356	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	0.193	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	0.200	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	0.192	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	0.200	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	0.188	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	0.400	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	0.400	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	0.400	U
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.177	U
335-76-2	Perfluorodecanoic acid (PFDA)	0.200	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	0.194	U
307-55-1	Perfluorododecanoic acid (PFDoA)	0.200	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.200	U

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Clean Blank

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	BI50372-BLK1	File ID:	QQQ421542.d
Prepared:	09/06/25 10:13	Preparation:	EPA 1633 Prep	Initial/Final:	5 ng/mL / 5 mL
Analyzed:	09/07/25 17:01	Instrument:	QQQ4		
Batch:	BI50372	Sequence:	S5I0837	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.183	U
307-24-4	Perfluorohexanoic acid (PFHxA)	0.200	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	0.800	U
375-95-1	Perfluorononanoic acid (PFNA)	0.200	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.186	U
335-67-1	Perfluorooctanoic acid (PFOA)	0.200	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.400	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	0.200	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	0.200	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.200	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
d3-N-MeFOSAA	5.00	5.12	102	40 - 135	
d5-N-EtFOSAA	5.00	5.12	102	40 - 150	
d7-N-MeFOSE	25.0	24.9	99.7	20 - 130	
d9-N-EtFOSE	25.0	27.2	109	15 - 130	
d-N-EtFOSA	2.50	2.30	92.1	10 - 130	
d-N-MeFOSA	2.50	2.26	90.5	10 - 130	
M2-4:2 FTS	4.69	1.79	38.1	40 - 165	*
M2-6:2 FTS	4.76	2.10	44.3	40 - 215	
M2-8:2 FTS	4.80	2.43	50.5	40 - 275	
M2PFTeDA	1.25	1.22	97.8	20 - 130	
M3HFPO-DA	10.0	11.6	116	40 - 130	
M3PFBS	2.33	2.71	116	40 - 135	
M3PFHxS	2.37	2.61	110	40 - 130	
M4PFHpA	2.50	2.89	116	40 - 130	
M5PFHxA	2.50	2.54	102	40 - 130	
M6PFDA	1.25	1.37	109	40 - 130	
M7PFUdA	1.25	1.37	110	40 - 130	
M9PFNA	1.25	1.76	140	40 - 130	*

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Clean Blank

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	BI50372-BLK1	File ID:	QQQ421542.d
Prepared:	09/06/25 10:13	Preparation:	EPA 1633 Prep	Initial/Final:	5 ng/mL / 5 mL
Analyzed:	09/07/25 17:01	Instrument:	QQQ4		
Batch:	BI50372	Sequence:	S5I0837	Calibration:	SH50063

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	2.41	96.4	40 - 130	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	2.69	112	40 - 130	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	1.35	108	40 - 130	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	11.4	114	8 - 130	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	4.83	96.7	35 - 130	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	3.05	122	40 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	33532.28	3.0765	40790.03	3.14985	
MPFDA	60755.16	7.69895	63152.32	7.708633	
MPFHxA	91929.27	5.80305	98226.8	5.812183	
MPFHxS	22897.67	6.982533	24261.02	6.991683	
MPFNA	77321.5	7.3117	83956.48	7.32065	
MPFOA	190314.5	6.8885	209491.8	6.89765	
MPFOS	28429.58	7.830417	34114.02	7.839583	

FORM I **CALIBRATION BLANK DATA SHEET**

EPA 1633A

Not bracketing sample - no eval

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB1	File ID:	QQQ421536.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/07/25 15:29	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ng/mL)	Q
763051-92-9	11CL-PF3OUdS		U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)		U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)		U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)		U
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)		U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		U
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)		U
756426-58-1	9CL-PF3ONS		U
919005-14-4	ADONA		U
13252-13-6	HFPO-DA (Gen-X)		U
4151-50-2	N-EtFOSA		U
2991-50-6	N-EtFOSAA		U
1691-99-2	N-EtFOSE		U
31506-32-8	N-MeFOSA		U
2355-31-9	N-MeFOSAA		U
24448-09-7	N-MeFOSE		U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)		U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)		U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)		U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)		U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)		U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)		U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)		U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)		U
375-73-5	Perfluorobutanesulfonic acid (PFBS)		U
335-76-2	Perfluorodecanoic acid (PFDA)		U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		U
307-55-1	Perfluorododecanoic acid (PFDoA)		U
375-85-9	Perfluoroheptanoic acid (PFHpA)		U

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Clean Blank

Not bracketing sample - no eval

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB1	File ID:	QQQ421536.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/07/25 15:29	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ng/mL)	Q
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		U
307-24-4	Perfluorohexanoic acid (PFHxA)		U
375-22-4	Perfluoro-n-butanoic acid (PFBA)		U
375-95-1	Perfluorononanoic acid (PFNA)		U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		U
335-67-1	Perfluorooctanoic acid (PFOA)		U
2706-90-3	Perfluoropentanoic acid (PFPeA)		U
376-06-7	Perfluorotetradecanoic acid (PFTA)		U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		U
2058-94-8	Perfluoroundecanoic acid (PFUnA)		U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
d3-N-MeFOSAA	5.00	3.94	78.8	40 - 135	
d5-N-EtFOSAA	5.00	3.95	78.9	40 - 150	
d7-N-MeFOSE	25.0	23.0	91.8	20 - 130	
d9-N-EtFOSE	25.0	26.5	106	15 - 130	
d-N-EtFOSA	2.50	2.19	87.6	10 - 130	
d-N-MeFOSA	2.50	2.11	84.5	10 - 130	
M2-4:2 FTS	4.69	1.57	33.5	40 - 165	*
M2-6:2 FTS	4.76	1.65	34.7	40 - 215	*
M2-8:2 FTS	4.80	1.82	38.0	40 - 275	*
M2PFTeDA	1.25	1.30	104	20 - 130	
M3HFPO-DA	10.0	10.2	102	40 - 130	
M3PFBS	2.33	2.61	112	40 - 135	
M3PFHxS	2.37	2.44	103	40 - 130	
M4PFHpA	2.50	2.56	102	40 - 130	
M5PFHxA	2.50	2.25	90.1	40 - 130	
M6PFDA	1.25	1.17	93.7	40 - 130	
M7PFUdA	1.25	1.22	97.9	40 - 130	
M9PFNA	1.25	1.49	119	40 - 130	

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

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Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB1	File ID:	QQQ421536.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/07/25 15:29	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	1.80	72.1	40 - 130	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	2.25	93.6	40 - 130	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	1.20	95.6	40 - 130	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	9.60	96.0	8 - 130	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	4.23	84.7	35 - 130	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	2.53	101	40 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	46910.8	3.177383	40790.03	3.14985	
MPFDA	72402.82	7.708633	63152.32	7.708633	
MPFHxA	110673.2	5.803	98226.8	5.812183	
MPFHxS	26081.76	6.991683	24261.02	6.991683	
MPFNA	95068.2	7.31165	83956.48	7.32065	
MPFOA	236892.5	6.89765	209491.8	6.89765	
MPFOS	36034.11	7.839583	34114.02	7.839583	

FORM I

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CALIBRATION BLANK DATA SHEET

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB2	File ID:	QQQ421559.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/07/25 21:22	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ng/mL)	Q
763051-92-9	11CL-PF3OUdS		U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)		U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)		U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)		U
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)		U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		U
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)		U
756426-58-1	9CL-PF3ONS		U
919005-14-4	ADONA		U
13252-13-6	HFPO-DA (Gen-X)		U
4151-50-2	N-EtFOSA		U
2991-50-6	N-EtFOSAA		U
1691-99-2	N-EtFOSE		U
31506-32-8	N-MeFOSA		U
2355-31-9	N-MeFOSAA		U
24448-09-7	N-MeFOSE		U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)		U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)		U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)		U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)		U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)		U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)		U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)		U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)		U
375-73-5	Perfluorobutanesulfonic acid (PFBS)		U
335-76-2	Perfluorodecanoic acid (PFDA)		U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		U
307-55-1	Perfluorododecanoic acid (PFDoA)		U
375-85-9	Perfluoroheptanoic acid (PFHpA)		U

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

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Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB2	File ID:	QQQ421559.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/07/25 21:22	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ng/mL)	Q
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		U
307-24-4	Perfluorohexanoic acid (PFHxA)		U
375-22-4	Perfluoro-n-butanoic acid (PFBA)		U
375-95-1	Perfluorononanoic acid (PFNA)		U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		U
335-67-1	Perfluorooctanoic acid (PFOA)		U
2706-90-3	Perfluoropentanoic acid (PFPeA)		U
376-06-7	Perfluorotetradecanoic acid (PFTA)		U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		U
2058-94-8	Perfluoroundecanoic acid (PFUnA)		U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
d3-N-MeFOSAA	5.00	4.53	90.6	40 - 135	
d5-N-EtFOSAA	5.00	4.43	88.7	40 - 150	
d7-N-MeFOSE	25.0	24.9	99.8	20 - 130	
d9-N-EtFOSE	25.0	29.0	116	15 - 130	
d-N-EtFOSA	2.50	2.55	102	10 - 130	
d-N-MeFOSA	2.50	2.43	97.1	10 - 130	
M2-4:2 FTS	4.69	1.63	34.8	40 - 165	*
M2-6:2 FTS	4.76	2.00	42.1	40 - 215	
M2-8:2 FTS	4.80	2.16	45.0	40 - 275	
M2PFTeDA	1.25	1.27	102	20 - 130	
M3HFPO-DA	10.0	10.5	105	40 - 130	
M3PFBS	2.33	2.69	115	40 - 135	
M3PFHxS	2.37	2.45	104	40 - 130	
M4PFHpA	2.50	2.53	101	40 - 130	
M5PFHxA	2.50	2.17	86.7	40 - 130	
M6PFDA	1.25	1.21	96.9	40 - 130	
M7PFUdA	1.25	1.24	99.0	40 - 130	
M9PFNA	1.25	1.44	115	40 - 130	

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Clean Blank

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB2	File ID:	QQQ421559.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/07/25 21:22	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	1.74	69.4	40 - 130	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	2.41	100	40 - 130	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	1.23	98.6	40 - 130	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	9.58	95.8	8 - 130	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	4.17	83.3	35 - 130	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	2.58	103	40 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	47481.5	3.16825	41321.09	3.140683	
MPFDA	73121.8	7.68975	69077.34	7.6897	
MPFHxA	118624.9	5.79385	110167.7	5.793817	
MPFHxS	26812.1	6.973333	23667.32	6.9733	
MPFNA	98898.05	7.302484	88386.7	7.30245	
MPFOA	243146.6	6.8793	218479.1	6.879267	
MPFOS	36030.2	7.821217	32087.26	7.821183	

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB3	File ID:	QQQ421571.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/08/25 00:25	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ng/mL)	Q	
763051-92-9	11CL-PF3OUdS		U	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	0.0068		sample ND - no qual
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	0.0011		sample ND - no qual
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	0.0015		sample ND - no qual
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)		U	
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		U	
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)		U	
756426-58-1	9CL-PF3ONS		U	
919005-14-4	ADONA		U	
13252-13-6	HFPO-DA (Gen-X)		U	
4151-50-2	N-EtFOSA		U	
2991-50-6	N-EtFOSAA		U	
1691-99-2	N-EtFOSE		U	
31506-32-8	N-MeFOSA		U	
2355-31-9	N-MeFOSAA		U	
24448-09-7	N-MeFOSE		U	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		U	
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)		U	
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)		U	
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)		U	
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)		U	
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)		U	
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)		U	
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)		U	
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)		U	
375-73-5	Perfluorobutanesulfonic acid (PFBS)		U	
335-76-2	Perfluorodecanoic acid (PFDA)		U	
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	0.0040		sample ND - no qual
307-55-1	Perfluorododecanoic acid (PFDoA)		U	
375-85-9	Perfluoroheptanoic acid (PFHpA)		U	

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB3	File ID:	QQQ421571.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/08/25 00:25	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ng/mL)	Q
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		U
307-24-4	Perfluorohexanoic acid (PFHxA)		U
375-22-4	Perfluoro-n-butanoic acid (PFBA)		U
375-95-1	Perfluorononanoic acid (PFNA)		U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		U
335-67-1	Perfluorooctanoic acid (PFOA)		U
2706-90-3	Perfluoropentanoic acid (PFPeA)		U
376-06-7	Perfluorotetradecanoic acid (PFTA)		U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		U
2058-94-8	Perfluoroundecanoic acid (PFUnA)		U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
d3-N-MeFOSAA	5.00	4.40	88.0	40 - 135	
d5-N-EtFOSAA	5.00	4.23	84.6	40 - 150	
d7-N-MeFOSE	25.0	24.4	97.8	20 - 130	
d9-N-EtFOSE	25.0	29.0	116	15 - 130	
d-N-EtFOSA	2.50	2.59	104	10 - 130	
d-N-MeFOSA	2.50	2.29	91.6	10 - 130	
M2-4:2 FTS	4.69	1.72	36.7	40 - 165	*
M2-6:2 FTS	4.76	2.29	48.1	40 - 215	
M2-8:2 FTS	4.80	2.24	46.6	40 - 275	
M2PFTeDA	1.25	1.29	103	20 - 130	
M3HFPO-DA	10.0	9.47	94.7	40 - 130	
M3PFBS	2.33	2.84	122	40 - 135	
M3PFHxS	2.37	2.56	108	40 - 130	
M4PFHpA	2.50	2.48	99.4	40 - 130	
M5PFHxA	2.50	2.18	87.0	40 - 130	
M6PFDA	1.25	1.25	99.9	40 - 130	
M7PFUdA	1.25	1.26	101	40 - 130	
M9PFNA	1.25	1.44	115	40 - 130	

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB3	File ID:	QQQ421571.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/08/25 00:25	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	1.83	73.0	40 - 130	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	2.49	104	40 - 130	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	1.26	101	40 - 130	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	9.73	97.3	8 - 130	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	4.20	84.1	35 - 130	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	2.60	104	40 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	50167.96	3.159033	44535.38	3.13155	
MPFDA	73595.36	7.689717	69544.36	7.680567	
MPFHxA	123077.4	5.793817	111058.9	5.784667	
MPFHxS	27060.9	6.9733	26012.08	6.97335	
MPFNA	101589	7.29325	88561.38	7.293317	
MPFOA	248183	6.879267	225839.1	6.879317	
MPFOS	37227.7	7.811967	34284.13	7.812033	

LOW-CONCENTRATION CALIBRATION VERIFICATION

Instrument Sensitivity Check (ISC) **EPA 1633A**

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50063
Laboratory ID: S5I0837-LCV1
Sequence: S5I0837
Standard ID: S25H323

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Perfluorobutanesulfonic acid (PFBS)	0.177	0.183	3.6	30.00
Perfluorohexanoic acid (PFHxA)	0.200	0.179 ✓	-10.4 ✓	30.00
Perfluoroheptanoic acid (PFHpA)	0.200	0.195	-2.5	30.00
Perfluorohexanesulfonic acid (PFHxS)	0.183	0.153	-16.3	30.00
Perfluorooctanoic acid (PFOA)	0.200	0.192	-4.2	30.00
Perfluorooctanesulfonic acid (PFOS)	0.186	0.190 ✓	2.4 ✓	30.00
Perfluorononanoic acid (PFNA)	0.200	0.183	-8.4	30.00
Perfluorodecanoic acid (PFDA)	0.200	0.178	-11.1	30.00
Perfluoroundecanoic acid (PFUnA)	0.200	0.223	11.4	30.00
Perfluorododecanoic acid (PFDoA)	0.200	0.212	5.8	30.00
Perfluorotridecanoic acid (PFTrDA)	0.200	0.213	6.4	30.00
Perfluorotetradecanoic acid (PFTA)	0.200	0.181	-9.4	30.00
N-MeFOSAA	0.200	0.150	-25.1	30.00
N-EtFOSAA	0.200	0.190	-5.2	30.00
Perfluoropentanoic acid (PFPeA)	0.400	0.347	-13.3	30.00
Perfluoro-1-octanesulfonamide (FOSA)	0.200	0.187	-6.6	30.00
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.191	0.159	-16.9	30.00
Perfluoro-1-decanesulfonic acid (PFDS)	0.193	0.151	-21.7	30.00
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	0.760	0.621	-18.3	30.00
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	0.768	0.609	-20.7	30.00
Perfluoro-n-butanoic acid (PFBA)	0.800	0.725	-9.3	30.00
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.356	0.386	8.4	30.00
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	0.400	0.658 ↑	64.5 *	30.00
Perfluoro-4-oxapentanoic acid (PFMPA)	0.400	0.425	6.1	30.00
Perfluoro-5-oxahexanoic acid (PFMBA)	0.400	0.395	-1.3	30.00

%Drift high - sample ND - no qual ✓

LOW-CONCENTRATION CALIBRATION VERIFICATION

Instrument Sensitivity Check (ISC) **EPA 1633A**

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50063
Laboratory ID: S5I0837-LCV1
Sequence: S5I0837
Standard ID: S25H323

Perfluoro-1-pentanesulfonate (PFPeS)	0.188	0.175	-6.9	30.00
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	0.750	0.604 ✓	-19.5 ✓	30.00
HFPO-DA (Gen-X)	0.800	0.466 ↓	-41.8 *	30.00
11CL-PF3OUdS	0.756	0.810	7.2	30.00
9CL-PF3ONS	0.748	0.633	-15.4	30.00
ADONA	0.756	0.680	-10.1	30.00
Perfluorododecanesulfonic acid (PFDoS)	0.194	0.157	-18.8	30.00
Perfluoro-1-nonanesulfonic acid (PFNS)	0.192	0.0430 ↓	-77.6 *	30.00
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	1.00	1.14	14.4	30.00
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	5.00	4.28	-14.4	30.00
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	5.00	4.25	-15.0	30.00
N-MeFOSE	2.00	2.25	12.7	30.00
N-MeFOSA	0.200	0.193	-3.5	30.00
N-EtFOSE	2.00	2.26	13.2	30.00
N-EtFOSA	0.200	0.264 ↑	31.9 *	30.00
M3PFBS	2.33	2.45	5.3	
M5PFHxA	2.50	2.30	-7.8	
M4PFHpA	2.50	2.52	0.7	
M3PFHxS	2.37	2.43	2.4	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	2.71 ✓	8.2 ✓	
M6PFDA	1.25	1.31	4.9	
M7PFUdA	1.25	1.29	3.4	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	1.36	8.9	
M2PFTeDA	1.25	1.40	12.3	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	10.2	1.7	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	2.55	6.2	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	4.46	-10.7	

%Drift high, sens incr - sample ND - no qual

%drift v. high, recovery <30% - qual UR,CV-

%Drift high, sens. decr - qual UJ,CV-

LOW-CONCENTRATION CALIBRATION VERIFICATION

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50063
Laboratory ID: S5I0837-LCV1
Sequence: S5I0837
Standard ID: S25H323

Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	2.20	-11.8	
d3-N-MeFOSAA	5.00	3.96	-20.9	
d5-N-EtFOSAA	5.00	4.17	-16.5	
M2-6:2 FTS	4.76	1.56	-67.2	
M2-8:2 FTS	4.80	1.63	-66.1	
M9PFNA	1.25	1.46	16.6	
M2-4:2 FTS	4.69	1.44	-69.2	
d-N-MeFOSA	2.50	2.17	-13.1	
d-N-EtFOSA	2.50	1.75	-29.8	
M3HFPO-DA	10.0	11.2	11.6	
d9-N-EtFOSE	25.0	21.8	-12.9	
d7-N-MeFOSE	25.0	20.7	-17.2	

* Values outside of QC limits



Batch Supplementary Data

Batch Data Path File Name	D:\MassHunter\Data\PFAS\QuantResults\2025-09-07A-1633Final.batch.bin		
Analysis Time Stamp	9/8/2025 3:59:37 PM	**Analyst Name**	CORP\NARCM.UserPFAS
Report Generation Time	9/8/2025 4:13:03 PM	**Report Generator Name**	CORP\NARCM.UserPFAS
Calibration Last Updated Time Stamp	8/28/2025 4:05:26 PM	**Batch State**	Processed
Analyze Quant Version	11.1	**Report Quant Version**	11.1
Acq. Date-Time	9/7/2025 2:28:41 PM	**Data File**	QQQ421532.d
Sample Type	CC	**Sampe Name**	SEQ-LCV1
Dil.	1	**Acq. Method File**	ACQ_QQQ4_EPA1633Final_revA_2025-08-26.m

S/N >3:1 or 10:1 for one quant ion

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.110	99835	8340	0.819			0.70			1569.27
Perfluoro-n-butanoic acid (PFBA)	3.125	8261	715	0.568			0.56			118.82
PFMPA	4.067	4789	734	0.407			0.85			766.72
3:3FTCA	4.555	220	45	0.277			0.93			29.38
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)	4.929	71865	15067	0.361			1.03			6361.61
Perfluoro-n-pentanoic acid (PFPeA)	4.930	5199	1101	0.280			0.97			84.12
PFMBA	5.243	5823	1216	0.353			1.20			979.39
M2-4-2FTS	5.579	6461	1458	0.340			1.17			3219.90
1H,1H,2H,2H-perfluoro-1-hexanesulfonate (4 2FTS)	5.589	2709	585	0.331			1.00			6808.29
NFDHA	5.724	207	45	0.203			1.11			1043.51
Perfluorobutanesulfonic acid (PFBS)	5.769	2007	395	0.304			1.31			6363.55
M3PFBS	5.768	21869	4639	0.351			1.18			58083.91
M5PFHxA	5.811	77595	17801	0.296			1.09			17801.45
Perfluorohexanoic acid (PFHxA)	5.804	7058	1568	0.277			1.33			297.33
M3-HFPO-DA	6.066	28209	6442	0.331			1.27			1110.63
HFPO-DA	6.066	765	203	0.178			1.29			270.22
PFEESA	6.126	15522	3414	0.341			1.26			1061.59
5-3FTCA	6.374	9307	2171	0.324			1.88			2506.80
M4PFHpA	6.418	28849	6674	0.297			1.08			16313.34
Perfluoroheptanoic acid (PFHpA)	6.419	7109	1602	0.296			1.09			132.59
fluoro-1-pentanesulfonate PFPeS)	6.467	2395	489	0.343			1.22			75.63
ONA	6.613	39396	9459	0.325			1.29			27335.61
-6-2FTS	6.702	8509	1975	0.330			1.28			1975.29

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
1H,1H,2H,2H-perfluoro-1-octanesulfonate (6 2FTS)	6.702	3133	732	0.333			1.15			22472.91
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	6.897	126689	29835	0.334			1.29			93595.23
Perfluorooctanoic acid (PFOA)	6.898	9371	2170	0.268			1.40			69.38
M3PFHxS	6.992	21627	4801	0.334			1.17			44188.06
Perfluorohexanesulfonic acid (PFHxS)	6.993	2072	400	0.371			0.57			400.20
TDCA	7.033	0	0	0.000			1.00			0.00
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)	7.320	50016	12012	0.288			1.20			118989.86
Perfluorononanoic acid (PFNA)	7.321	7924	1773	0.334			1.12			731.12
Perfluoro-1-heptanesulfonate (L-PFHpS)	7.434	1718	419	0.241			1.16			419.49
1H,1H,2H,2H-perfluoro-1-decanesulfonate (8 2FTS)	7.513	2117	489	0.259			1.08			1770.35
M2-8-2FTS	7.512	7910	1903	0.269			1.31			12549.70
7-3FTCA	7.545	14319	2917	0.371			1.87			199.49
M6PFDA	7.708	40103	9191	0.333			1.29			54484.35
Perfluorodecanoic acid (PFDA)	7.709	7311	1614	0.306			1.43			148.21
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	7.839	18873	4393	0.300			1.22			395.99
Perfluorooctanesulfonic acid (PFOS)	7.849	2612	428	0.398			1.12			428.13
d3-N-MeFOSAA	7.890	26763	6278	0.305			1.44			15002.78
N-MeFOSAA	7.900	992	210	0.369			1.38			210.30
d5-N-EtFOSAA	8.074	22091	4827	0.324			1.22			169.45
N-EtFOSAA	8.084	973	181	0.435			1.10			180.54
M7PFUdA	8.084	52102	11869	0.334			1.28			48556.20
Perfluoroundecanoic acid (PFUnA)	8.085	8554	2012	0.277			1.17			135.39
9-Cl-PF3ONS	8.161	31784	7277	0.297			1.09			8597.86
Perfluorononanesulfonate (L-PFNS)	8.225	1939	445	0.287			1.13			99.80
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.460	58518	12911	0.295			1.03			69334.66
Perfluorododecanoic acid (PFDoA)	8.461	6198	1329	0.352			1.11			489.90
Perfluoro-1-decanesulfonate (PFDS)	8.591	1253	248	0.352			0.96			1721.51
Perfluorotridecanoic acid (PFTrDA)	8.810	7551	1651	0.277			1.05			353.72

Batch Supplementary Data

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
11-Cl-PF3OUdS	8.894	18588	4160	0.333			1.18			4160.00
M2PFTeDA	9.149	62627	14588	0.340			1.14			45106.87
Perfluorotetradecanoic acid (PFTA)	9.150	9860	2308	0.331			1.16			254.62
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	9.248	35815	8622	0.321			1.57			13570.94
Perfluoro-1-octanesulfonamide (FOSA)	9.249	3414	794	0.321			1.28			470.40
Perfluorododecanesulfonic acid (PFDoS)	9.271	599	134	0.237			1.17			60.69
d7-NMeFOSE	10.372	85974	20961	0.285			1.27			3715.23
NMeFOSE	10.392	7630	1847	0.340			1.26			652.75
d3-NMeFOSA	10.515	3211	791	0.303			1.50			925.37
NMeFOSA	10.516	259	64	0.266			1.87			41.06
d9-NEtFOSE	10.673	71223	17965	0.285			1.19			2838.76
NEtFOSE	10.693	8698	2128	0.285			1.19			2128.45
d5-NEtFOSA	10.806	2200	555	0.229			1.24			401.06
NEtFOSA	10.807	299	77	0.312			1.44			1259.97

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H2836	Instrument:	QQQ4
		Calibration:	SH50063

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	S5H2836-CAL1	QQQ421166.d	08/27/25 12:50
Cal Standard	S5H2836-CAL2	QQQ421167.d	08/27/25 13:05
Cal Standard	S5H2836-CAL3	QQQ421168.d	08/27/25 13:21
Cal Standard	S5H2836-CAL4	QQQ421169.d	08/27/25 13:36
Cal Standard	S5H2836-CAL5	QQQ421170.d	08/27/25 13:51
Cal Standard	S5H2836-CAL6	QQQ421171.d	08/27/25 14:06
Cal Standard	S5H2836-CAL7	QQQ421172.d	08/27/25 14:22
Cal Standard	S5H2836-CAL8	QQQ421173.d	08/27/25 14:37
Calibration Blank	S5H2836-CCB2	QQQ421175.d	08/27/25 15:07
Secondary Cal Check	S5H2836-SCV1	QQQ421176.d	08/27/25 15:23
Performance Mix	S5H2836-PEM1	QQQ421178.d	08/27/25 15:53

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5I0837	Instrument:	QQQ4
		Calibration:	SH50063

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Low Cal Check	S5I0837-LCV1	QQQ421532.d	09/07/25 14:28
Calibration Check	S5I0837-CCV1	QQQ421534.d	09/07/25 14:59
Calibration Blank	S5I0837-CCB1	QQQ421536.d	09/07/25 15:29
LCS	BI50372-BS1	QQQ421541.d	09/07/25 16:46
Blank	BI50372-BLK1	QQQ421542.d	09/07/25 17:01
LCS	BI50372-BS2	QQQ421543.d	09/07/25 17:17
Performance Mix	S5I0837-PEM1	QQQ421547.d	09/07/25 18:18
Calibration Check	S5I0837-CCV2	QQQ421558.d	09/07/25 21:06
Calibration Blank	S5I0837-CCB2	QQQ421559.d	09/07/25 21:22
HVAC - Spoils	25H1532-01RE1	QQQ421563.d	09/07/25 22:23
Calibration Check	S5I0837-CCV3	QQQ421570.d	09/08/25 00:10
Calibration Blank	S5I0837-CCB3	QQQ421571.d	09/08/25 00:25
Calibration Check	S5I0837-CCV4	QQQ421584.d	09/08/25 03:44
Calibration Blank	S5I0837-CCB4	QQQ421585.d	09/08/25 04:00
Calibration Check	S5I0837-CCV5	QQQ421593.d	09/08/25 06:03
Calibration Blank	S5I0837-CCB5	QQQ421594.d	09/08/25 06:18

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2836

SDG: 25H1532
Project: JA257006 Task 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H2836-CAL1)			Lab File ID: QQQ421166.d			Analyzed: 08/27/25 12:50			
M3PFBA	45671.46	3.325767	43119.85	3.32575	106	50 - 200	0.0000	+/-0.50	
MPFDA	50768.47	7.82	51473.97	7.819983	99	50 - 200	0.0000	+/-0.50	
MPFHxA	85845.88	5.895583	80747.38	5.895566	106	50 - 200	0.0000	+/-0.50	
MPFHxS	20708.02	7.102933	20714.7	7.1029	100	50 - 200	0.0000	+/-0.50	
MPFNA	72511.28	7.413917	73945.98	7.413917	98	50 - 200	0.0000	+/-0.50	
MPFOA	192735.3	6.99075	188562.8	6.990733	102	50 - 200	0.0000	+/-0.50	
MPFOS	27062	7.959267	26653.52	7.95925	102	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H2836-CAL2)			Lab File ID: QQQ421167.d			Analyzed: 08/27/25 13:05			
M3PFBA	42316.34	3.325767	43119.85	3.32575	98	50 - 200	0.0000	+/-0.50	
MPFDA	46801.02	7.820017	51473.97	7.819983	91	50 - 200	0.0000	+/-0.50	
MPFHxA	77524.79	5.895583	80747.38	5.895566	96	50 - 200	0.0000	+/-0.50	
MPFHxS	18496.71	7.10295	20714.7	7.1029	89	50 - 200	0.0000	+/-0.50	
MPFNA	69868.87	7.41395	73945.98	7.413917	94	50 - 200	0.0000	+/-0.50	
MPFOA	183842.4	6.990783	188562.8	6.990733	97	50 - 200	0.0001	+/-0.50	
MPFOS	24448.78	7.959283	26653.52	7.95925	92	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H2836-CAL3)			Lab File ID: QQQ421168.d			Analyzed: 08/27/25 13:21			
M3PFBA	44037.66	3.32575	43119.85	3.32575	102	50 - 200	0.0000	+/-0.50	
MPFDA	50865.05	7.810783	51473.97	7.819983	99	50 - 200	-0.0092	+/-0.50	
MPFHxA	79561.7	5.895566	80747.38	5.895566	99	50 - 200	0.0000	+/-0.50	
MPFHxS	20202.45	7.1029	20714.7	7.1029	98	50 - 200	0.0000	+/-0.50	
MPFNA	74667.99	7.4139	73945.98	7.413917	101	50 - 200	0.0000	+/-0.50	
MPFOA	187757.4	6.990733	188562.8	6.990733	100	50 - 200	0.0000	+/-0.50	
MPFOS	27946.56	7.95005	26653.52	7.95925	105	50 - 200	-0.0092	+/-0.50	
Cal Standard (S5H2836-CAL4)			Lab File ID: QQQ421169.d			Analyzed: 08/27/25 13:36			
M3PFBA	43119.85	3.32575	43119.85	3.32575	100	50 - 200	0.0000	+/-0.50	
MPFDA	51473.97	7.819983	51473.97	7.819983	100	50 - 200	0.0000	+/-0.50	
MPFHxA	80747.38	5.895566	80747.38	5.895566	100	50 - 200	0.0000	+/-0.50	
MPFHxS	20714.7	7.1029	20714.7	7.1029	100	50 - 200	0.0000	+/-0.50	
MPFNA	73945.98	7.413917	73945.98	7.413917	100	50 - 200	0.0000	+/-0.50	
MPFOA	188562.8	6.990733	188562.8	6.990733	100	50 - 200	0.0000	+/-0.50	
MPFOS	26653.52	7.95925	26653.52	7.95925	100	50 - 200	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2836

SDG: 25H1532
Project: JA257006 Task 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H2836-CAL5)			Lab File ID: QQQ421170.d			Analyzed: 08/27/25 13:51			
M3PFBA	43786.91	3.334917	43119.85	3.32575	102	50 - 200	0.0092	+/-0.50	
MPFDA	52540.77	7.819983	51473.97	7.819983	102	50 - 200	0.0000	+/-0.50	
MPFHxA	81813.86	5.90475	80747.38	5.895566	101	50 - 200	0.0092	+/-0.50	
MPFHxS	20523.77	7.1029	20714.7	7.1029	99	50 - 200	0.0000	+/-0.50	
MPFNA	74216.21	7.423567	73945.98	7.413917	100	50 - 200	0.0097	+/-0.50	
MPFOA	192312.5	6.999933	188562.8	6.990733	102	50 - 200	0.0092	+/-0.50	
MPFOS	26225.34	7.95925	26653.52	7.95925	98	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H2836-CAL6)			Lab File ID: QQQ421171.d			Analyzed: 08/27/25 14:06			
M3PFBA	42688.92	3.353267	43119.85	3.32575	99	50 - 200	0.0275	+/-0.50	
MPFDA	52319.71	7.819983	51473.97	7.819983	102	50 - 200	0.0000	+/-0.50	
MPFHxA	81635.06	5.90475	80747.38	5.895566	101	50 - 200	0.0092	+/-0.50	
MPFHxS	20850.17	7.102917	20714.7	7.1029	101	50 - 200	0.0000	+/-0.50	
MPFNA	70779.16	7.423567	73945.98	7.413917	96	50 - 200	0.0097	+/-0.50	
MPFOA	191872.6	6.990733	188562.8	6.990733	102	50 - 200	0.0000	+/-0.50	
MPFOS	27053.84	7.95925	26653.52	7.95925	102	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H2836-CAL7)			Lab File ID: QQQ421172.d			Analyzed: 08/27/25 14:22			
M3PFBA	40879.17	3.334917	43119.85	3.32575	95	50 - 200	0.0092	+/-0.50	
MPFDA	55067.18	7.819983	51473.97	7.819983	107	50 - 200	0.0000	+/-0.50	
MPFHxA	81836.38	5.895566	80747.38	5.895566	101	50 - 200	0.0000	+/-0.50	
MPFHxS	21619.51	7.0937	20714.7	7.1029	104	50 - 200	-0.0092	+/-0.50	
MPFNA	74712.54	7.413917	73945.98	7.413917	101	50 - 200	0.0000	+/-0.50	
MPFOA	194485.2	6.990733	188562.8	6.990733	103	50 - 200	0.0000	+/-0.50	
MPFOS	28042.4	7.959267	26653.52	7.95925	105	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H2836-CAL8)			Lab File ID: QQQ421173.d			Analyzed: 08/27/25 14:37			
M3PFBA	32332.41	3.32575	43119.85	3.32575	75	50 - 200	0.0000	+/-0.50	
MPFDA	51911.66	7.810783	51473.97	7.819983	101	50 - 200	-0.0092	+/-0.50	
MPFHxA	68982.52	5.90475	80747.38	5.895566	85	50 - 200	0.0092	+/-0.50	
MPFHxS	19921.78	7.102933	20714.7	7.1029	96	50 - 200	0.0000	+/-0.50	
MPFNA	68267.64	7.413917	73945.98	7.413917	92	50 - 200	0.0000	+/-0.50	
MPFOA	170793.5	6.99075	188562.8	6.990733	91	50 - 200	0.0000	+/-0.50	
MPFOS	27016.22	7.950067	26653.52	7.95925	101	50 - 200	-0.0092	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2836

SDG: 25H1532
Project: JA257006 Task 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Blank (S5H2836-CCB2)			Lab File ID: QQQ421175.d			Analyzed: 08/27/25 15:07			
M3PFBA	48054.57	3.316567	43119.85	3.32575	111	50 - 200	-0.0092	+/-0.50	
MPFDA	53667.88	7.810783	51473.97	7.819983	104	50 - 200	-0.0092	+/-0.50	
MPFHxA	86796.31	5.895566	80747.38	5.895566	107	50 - 200	0.0000	+/-0.50	
MPFHxS	21567.74	7.102917	20714.7	7.1029	104	50 - 200	0.0000	+/-0.50	
MPFNA	80643.31	7.413917	73945.98	7.413917	109	50 - 200	0.0000	+/-0.50	
MPFOA	204674.7	6.99075	188562.8	6.990733	109	50 - 200	0.0000	+/-0.50	
MPFOS	29423.06	7.95005	26653.52	7.95925	110	50 - 200	-0.0092	+/-0.50	
Secondary Cal Check (S5H2836-SCV1)			Lab File ID: QQQ421176.d			Analyzed: 08/27/25 15:23			
M3PFBA	43277.65	3.316617	43119.85	3.32575	100	50 - 200	-0.0091	+/-0.50	
MPFDA	50196.15	7.810817	51473.97	7.819983	98	50 - 200	-0.0092	+/-0.50	
MPFHxA	79633.55	5.8956	80747.38	5.895566	99	50 - 200	0.0000	+/-0.50	
MPFHxS	19674.76	7.09375	20714.7	7.1029	95	50 - 200	-0.0091	+/-0.50	
MPFNA	69775.16	7.41395	73945.98	7.413917	94	50 - 200	0.0000	+/-0.50	
MPFOA	184313.3	6.990783	188562.8	6.990733	98	50 - 200	0.0001	+/-0.50	
MPFOS	26095.39	7.950083	26653.52	7.95925	98	50 - 200	-0.0092	+/-0.50	
Performance Mix (S5H2836-PEM1)			Lab File ID: QQQ421178.d			Analyzed: 08/27/25 15:53			
M3PFBA	45397.05	3.32575	43119.85	3.32575	105	50 - 200	0.0000	+/-0.50	
MPFDA	54080.79	7.810783	51473.97	7.819983	105	50 - 200	-0.0092	+/-0.50	
MPFHxA	85417.52	5.895566	80747.38	5.895566	106	50 - 200	0.0000	+/-0.50	
MPFHxS	21427.64	7.1029	20714.7	7.1029	103	50 - 200	0.0000	+/-0.50	
MPFNA	75874.7	7.4139	73945.98	7.413917	103	50 - 200	0.0000	+/-0.50	
MPFOA	193310.5	6.990733	188562.8	6.990733	103	50 - 200	0.0000	+/-0.50	
MPFOS	28270.38	7.95005	26653.52	7.95925	106	50 - 200	-0.0092	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837
SDG: 25H1532
Project: JA257006 Task 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Low Cal Check (S5I0837-LCV1)			Lab File ID: QQQ421532.d			Analyzed: 09/07/25 14:28			
M3PFBA	36259.64	3.11315	43119.85	3.32575	84	50 - 200	-0.2126	+/-0.50	
MPFDA	53774.68	7.70865	51473.97	7.819983	104	50 - 200	-0.1113	+/-0.50	
MPFHxA	86469.16	5.812183	80747.38	5.895566	107	50 - 200	-0.0834	+/-0.50	
MPFHxS	22809.72	6.9917	20714.7	7.1029	110	50 - 200	-0.1112	+/-0.50	
MPFNA	77740.29	7.320667	73945.98	7.413917	105	50 - 200	-0.0932	+/-0.50	
MPFOA	187411	6.89765	188562.8	6.990733	99	50 - 200	-0.0931	+/-0.50	
MPFOS	28505.61	7.839583	26653.52	7.95925	107	50 - 200	-0.1197	+/-0.50	
Calibration Check (S5I0837-CCV1)			Lab File ID: QQQ421534.d			Analyzed: 09/07/25 14:59			
M3PFBA	40790.03	3.14985	43119.85	3.32575	95	50 - 200	-0.1759	+/-0.50	
MPFDA	63152.32	7.708633	51473.97	7.819983	123	50 - 200	-0.1114	+/-0.50	
MPFHxA	98226.8	5.812183	80747.38	5.895566	122	50 - 200	-0.0834	+/-0.50	
MPFHxS	24261.02	6.991683	20714.7	7.1029	117	50 - 200	-0.1112	+/-0.50	
MPFNA	83956.48	7.32065	73945.98	7.413917	114	50 - 200	-0.0933	+/-0.50	
MPFOA	209491.8	6.89765	188562.8	6.990733	111	50 - 200	-0.0931	+/-0.50	
MPFOS	34114.02	7.839583	26653.52	7.95925	128	50 - 200	-0.1197	+/-0.50	
Calibration Blank (S5I0837-CCB1)			Lab File ID: QQQ421536.d			Analyzed: 09/07/25 15:29			
M3PFBA	46910.8	3.177383	40790.03	3.14985	115	50 - 200	0.0275	+/-0.50	
MPFDA	72402.82	7.708633	63152.32	7.708633	115	50 - 200	0.0000	+/-0.50	
MPFHxA	110673.2	5.803	98226.8	5.812183	113	50 - 200	-0.0092	+/-0.50	
MPFHxS	26081.76	6.991683	24261.02	6.991683	108	50 - 200	0.0000	+/-0.50	
MPFNA	95068.2	7.31165	83956.48	7.32065	113	50 - 200	-0.0090	+/-0.50	
MPFOA	236892.5	6.89765	209491.8	6.89765	113	50 - 200	0.0000	+/-0.50	
MPFOS	36034.11	7.839583	34114.02	7.839583	106	50 - 200	0.0000	+/-0.50	
LCS (BI50372-BS1)			Lab File ID: QQQ421541.d			Analyzed: 09/07/25 16:46			
M3PFBA	33310.73	3.094817	40790.03	3.14985	82	50 - 200	-0.0550	+/-0.50	
MPFDA	56341.2	7.70865	63152.32	7.708633	89	50 - 200	0.0000	+/-0.50	
MPFHxA	88714.39	5.803	98226.8	5.812183	90	50 - 200	-0.0092	+/-0.50	
MPFHxS	21672.33	6.982483	24261.02	6.991683	89	50 - 200	-0.0092	+/-0.50	
MPFNA	73462.52	7.31165	83956.48	7.32065	88	50 - 200	-0.0090	+/-0.50	
MPFOA	188573.3	6.88845	209491.8	6.89765	90	50 - 200	-0.0092	+/-0.50	
MPFOS	26591.38	7.830383	34114.02	7.839583	78	50 - 200	-0.0092	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1532
Project: JA257006 Task 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Blank (BI50372-BLK1)			Lab File ID: QQQ421542.d			Analyzed: 09/07/25 17:01			
M3PFBA	33532.28	3.0765	40790.03	3.14985	82	50 - 200	-0.0734	+/-0.50	
MPFDA	60755.16	7.69895	63152.32	7.708633	96	50 - 200	-0.0097	+/-0.50	
MPFHxA	91929.27	5.80305	98226.8	5.812183	94	50 - 200	-0.0091	+/-0.50	
MPFHxS	22897.67	6.982533	24261.02	6.991683	94	50 - 200	-0.0091	+/-0.50	
MPFNA	77321.5	7.3117	83956.48	7.32065	92	50 - 200	-0.0089	+/-0.50	
MPFOA	190314.5	6.8885	209491.8	6.89765	91	50 - 200	-0.0091	+/-0.50	
MPFOS	28429.58	7.830417	34114.02	7.839583	83	50 - 200	-0.0092	+/-0.50	
LCS (BI50372-BS2)			Lab File ID: QQQ421543.d			Analyzed: 09/07/25 17:17			
M3PFBA	36112.64	3.085633	40790.03	3.14985	89	50 - 200	-0.0642	+/-0.50	
MPFDA	65090.07	7.6989	63152.32	7.708633	103	50 - 200	-0.0097	+/-0.50	
MPFHxA	99423.28	5.803	98226.8	5.812183	101	50 - 200	-0.0092	+/-0.50	
MPFHxS	23659.89	6.982483	24261.02	6.991683	98	50 - 200	-0.0092	+/-0.50	
MPFNA	86319.06	7.311633	83956.48	7.32065	103	50 - 200	-0.0090	+/-0.50	
MPFOA	212011.3	6.88845	209491.8	6.89765	101	50 - 200	-0.0092	+/-0.50	
MPFOS	31809.17	7.830367	34114.02	7.839583	93	50 - 200	-0.0092	+/-0.50	
Performance Mix (S5I0837-PEM1)			Lab File ID: QQQ421547.d			Analyzed: 09/07/25 18:18			
M3PFBA	34719.59	3.1315	40790.03	3.14985	85	50 - 200	-0.0183	+/-0.50	
MPFDA	57515.03	7.698916	63152.32	7.708633	91	50 - 200	-0.0097	+/-0.50	
MPFHxA	90284.92	5.803	98226.8	5.812183	92	50 - 200	-0.0092	+/-0.50	
MPFHxS	20315.23	6.9825	24261.02	6.991683	84	50 - 200	-0.0092	+/-0.50	
MPFNA	76730.45	7.31165	83956.48	7.32065	91	50 - 200	-0.0090	+/-0.50	
MPFOA	186446.8	6.88845	209491.8	6.89765	89	50 - 200	-0.0092	+/-0.50	
MPFOS	29153.4	7.830367	34114.02	7.839583	85	50 - 200	-0.0092	+/-0.50	
Calibration Check (S5I0837-CCV2)			Lab File ID: QQQ421558.d			Analyzed: 09/07/25 21:06			
M3PFBA	41321.09	3.140683	40790.03	3.14985	101	50 - 200	-0.0092	+/-0.50	
MPFDA	69077.34	7.6897	63152.32	7.708633	109	50 - 200	-0.0189	+/-0.50	
MPFHxA	110167.7	5.793817	98226.8	5.812183	112	50 - 200	-0.0184	+/-0.50	
MPFHxS	23667.32	6.9733	24261.02	6.991683	98	50 - 200	-0.0184	+/-0.50	
MPFNA	88386.7	7.30245	83956.48	7.32065	105	50 - 200	-0.0182	+/-0.50	
MPFOA	218479.1	6.879267	209491.8	6.89765	104	50 - 200	-0.0184	+/-0.50	
MPFOS	32087.26	7.821183	34114.02	7.839583	94	50 - 200	-0.0184	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837
SDG: 25H1532
Project: JA257006 Task 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Blank (S5I0837-CCB2)			Lab File ID: QQQ421559.d			Analyzed: 09/07/25 21:22			
M3PFBA	47481.5	3.16825	41321.09	3.140683	115	50 - 200	0.0276	+/-0.50	
MPFDA	73121.8	7.68975	69077.34	7.6897	106	50 - 200	0.0000	+/-0.50	
MPFHxA	118624.9	5.79385	110167.7	5.793817	108	50 - 200	0.0000	+/-0.50	
MPFHxS	26812.1	6.973333	23667.32	6.9733	113	50 - 200	0.0000	+/-0.50	
MPFNA	98898.05	7.302484	88386.7	7.30245	112	50 - 200	0.0000	+/-0.50	
MPFOA	243146.6	6.8793	218479.1	6.879267	111	50 - 200	0.0000	+/-0.50	
MPFOS	36030.2	7.821217	32087.26	7.821183	112	50 - 200	0.0000	+/-0.50	
HVAC - Spoils (25H1532-01RE1)			Lab File ID: QQQ421563.d			Analyzed: 09/07/25 22:23			
M3PFBA	36045.49	3.058117	41321.09	3.140683	87	50 - 200	-0.0826	+/-0.50	
MPFDA	62941.5	7.6897	69077.34	7.6897	91	50 - 200	0.0000	+/-0.50	
MPFHxA	101667	5.793817	110167.7	5.793817	92	50 - 200	0.0000	+/-0.50	
MPFHxA	101667	5.793817	110167.7	5.793817	92	50 - 200	0.0000	+/-0.50	
MPFHxS	22035.62	6.9733	23667.32	6.9733	93	50 - 200	0.0000	+/-0.50	
MPFNA	80728.17	7.30245	88386.7	7.30245	91	50 - 200	0.0000	+/-0.50	
MPFOA	200046.7	6.87925	218479.1	6.879267	92	50 - 200	0.0000	+/-0.50	
MPFOS	29716.67	7.821167	32087.26	7.821183	93	50 - 200	0.0000	+/-0.50	
Calibration Check (S5I0837-CCV3)			Lab File ID: QQQ421570.d			Analyzed: 09/08/25 00:10			
M3PFBA	44535.38	3.13155	41321.09	3.140683	108	50 - 200	-0.0091	+/-0.50	
MPFDA	69544.36	7.680567	69077.34	7.6897	101	50 - 200	-0.0091	+/-0.50	
MPFHxA	111058.9	5.784667	110167.7	5.793817	101	50 - 200	-0.0091	+/-0.50	
MPFHxS	26012.08	6.97335	23667.32	6.9733	110	50 - 200	0.0000	+/-0.50	
MPFNA	88561.38	7.293317	88386.7	7.30245	100	50 - 200	-0.0091	+/-0.50	
MPFOA	225839.1	6.879317	218479.1	6.879267	103	50 - 200	0.0001	+/-0.50	
MPFOS	34284.13	7.812033	32087.26	7.821183	107	50 - 200	-0.0092	+/-0.50	
Calibration Blank (S5I0837-CCB3)			Lab File ID: QQQ421571.d			Analyzed: 09/08/25 00:25			
M3PFBA	50167.96	3.159033	44535.38	3.13155	113	50 - 200	0.0275	+/-0.50	
MPFDA	73595.36	7.689717	69544.36	7.680567	106	50 - 200	0.0091	+/-0.50	
MPFHxA	123077.4	5.793817	111058.9	5.784667	111	50 - 200	0.0091	+/-0.50	
MPFHxS	27060.9	6.9733	26012.08	6.97335	104	50 - 200	0.0000	+/-0.50	
MPFNA	101589	7.29325	88561.38	7.293317	115	50 - 200	-0.0001	+/-0.50	
MPFOA	248183	6.879267	225839.1	6.879317	110	50 - 200	-0.0001	+/-0.50	
MPFOS	37227.7	7.811967	34284.13	7.812033	109	50 - 200	-0.0001	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1532
Project: JA257006 Task 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5I0837-CCV4)			Lab File ID: QQQ421584.d			Analyzed: 09/08/25 03:44			
M3PFBA	43499.07	3.13155	44535.38	3.13155	98	50 - 200	0.0000	+/-0.50	
MPFDA	66413.43	7.69895	69544.36	7.680567	95	50 - 200	0.0184	+/-0.50	
MPFHxA	110298.2	5.79385	111058.9	5.784667	99	50 - 200	0.0092	+/-0.50	
MPFHxS	24817.62	6.982533	26012.08	6.97335	95	50 - 200	0.0092	+/-0.50	
MPFNA	90690.04	7.302484	88561.38	7.293317	102	50 - 200	0.0092	+/-0.50	
MPFOA	221303.4	6.888484	225839.1	6.879317	98	50 - 200	0.0092	+/-0.50	
MPFOS	32497.55	7.8212	34284.13	7.812033	95	50 - 200	0.0092	+/-0.50	
Calibration Blank (S5I0837-CCB4)			Lab File ID: QQQ421585.d			Analyzed: 09/08/25 04:00			
M3PFBA	49063.95	3.14985	43499.07	3.13155	113	50 - 200	0.0183	+/-0.50	
MPFDA	70335.34	7.698916	66413.43	7.69895	106	50 - 200	0.0000	+/-0.50	
MPFHxA	122717.6	5.793817	110298.2	5.79385	111	50 - 200	0.0000	+/-0.50	
MPFHxS	28710.39	6.9825	24817.62	6.982533	116	50 - 200	0.0000	+/-0.50	
MPFNA	98179.59	7.31165	90690.04	7.302484	108	50 - 200	0.0092	+/-0.50	
MPFOA	242565.2	6.88845	221303.4	6.888484	110	50 - 200	0.0000	+/-0.50	
MPFOS	36953.88	7.821167	32497.55	7.8212	114	50 - 200	0.0000	+/-0.50	
Calibration Check (S5I0837-CCV5)			Lab File ID: QQQ421593.d			Analyzed: 09/08/25 06:03			
M3PFBA	45363.92	3.122333	43499.07	3.13155	104	50 - 200	-0.0092	+/-0.50	
MPFDA	66196.98	7.689717	66413.43	7.69895	100	50 - 200	-0.0092	+/-0.50	
MPFHxA	109439.4	5.793817	110298.2	5.79385	99	50 - 200	0.0000	+/-0.50	
MPFHxS	24810.76	6.9733	24817.62	6.982533	100	50 - 200	-0.0092	+/-0.50	
MPFNA	89115.74	7.30245	90690.04	7.302484	98	50 - 200	0.0000	+/-0.50	
MPFOA	227287.5	6.87925	221303.4	6.888484	103	50 - 200	-0.0092	+/-0.50	
MPFOS	34686.43	7.821183	32497.55	7.8212	107	50 - 200	0.0000	+/-0.50	
Calibration Blank (S5I0837-CCB5)			Lab File ID: QQQ421594.d			Analyzed: 09/08/25 06:18			
M3PFBA	50433.4	3.14985	45363.92	3.122333	111	50 - 200	0.0275	+/-0.50	
MPFDA	74655	7.689717	66196.98	7.689717	113	50 - 200	0.0000	+/-0.50	
MPFHxA	122171.5	5.784616	109439.4	5.793817	112	50 - 200	-0.0092	+/-0.50	
MPFHxS	28578.69	6.973283	24810.76	6.9733	115	50 - 200	0.0000	+/-0.50	
MPFNA	97666.38	7.30245	89115.74	7.30245	110	50 - 200	0.0000	+/-0.50	
MPFOA	241657.8	6.87925	227287.5	6.87925	106	50 - 200	0.0000	+/-0.50	
MPFOS	36315.66	7.811967	34686.43	7.821183	105	50 - 200	-0.0092	+/-0.50	

FORM VI

INITIAL CALIBRATION DATA

EPA 1633A

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50063

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: QQQ4

Calibration Date: 08/27/25 08:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
M5PFHxA	2.5	0.9486151	2.5	1.029759	2.5	0.9791754	2.5	1.010663	2.5	0.9125212	2.5	0.9353228
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	0.4	9.176125E-03	1	1.082545E-02	2.5	1.086719E-02	5	1.184515E-02	10	1.373813E-02	25	1.353732E-02
11CL-PF3OUdS	0.756	2.703845	1.89	2.492676	4.72	2.599817	9.45	2.78284	18.9	3.298891	47.2	3.077304
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	0.768	2.313507	1.92	2.214563	4.8	2.061054	9.6	2.057445	19.2	2.343972	48	2.189708
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	0.75	3.683263	1.88	3.218636	4.69	3.316236	9.38	3.240658	18.8	3.723252	46.9	3.628268
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	0.76	3.371523	1.9	2.806561	4.75	2.706387	9.5	2.696363	19	3.014264	47.5	3.194555
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	5	0.1284023	12.5	0.1261657	31.2	0.1307076	62.6	0.1339899	125	0.1544293	312	0.163333
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	5	8.480291E-02	12.5	0.0794635	31.2	8.141833E-02	62.6	8.461317E-02	125	9.670511E-02	312	0.103434
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	1	1.534373E-02	2.5	1.647852E-02	6.24	1.665075E-02	12.5	0.0176881	25	1.957011E-02	62.4	2.289652E-02
9CL-PF3ONS	0.748	4.887556	1.87	4.320338	4.68	4.425499	9.35	4.790825	18.7	5.527555	46.8	5.179183
ADONA	0.756	6.974329	1.89	5.933621	4.72	6.187961	9.45	6.682083	18.9	7.632203	47.2	7.072924
d3-N-MeFOSAA	5	0.5575936	5	0.6024319	5	0.5491734	5	0.5948005	5	0.5515171	5	0.5357846
d5-N-EtFOSAA	5	0.449474	5	0.4826062	5	0.4392574	5	0.4546899	5	0.4225633	5	0.4264955
d7-N-MeFOSE	25	0.3438707	25	0.3605167	25	0.3358856	25	0.3513773	25	0.3445466	25	0.3370092
d9-N-EtFOSE	25	0.2666451	25	0.2805675	25	0.2583049	25	0.2788488	25	0.2726595	25	0.2711071
d-N-EtFOSA	2.5	0.1033431	2.5	0.113303	2.5	0.1012656	2.5	0.1029119	2.5	9.527691E-02	2.5	0.1035502
d-N-MeFOSA	2.5	0.1096726	2.5	0.1298519	2.5	0.1168384	2.5	0.1261785	2.5	0.1164229	2.5	0.1187177
HFPO-DA (Gen-X)	0.8	0.2772791	2	0.2510748	5	0.2511725	10	0.2445857	20	0.3066753	50	0.2844384
M2-4:2 FTS	4.69	0.5170245	4.69	0.5851836	4.69	0.5131569	4.69	0.5098367	4.69	0.4519681	4.69	0.400068
M2-6:2 FTS	4.76	0.6307685	4.76	0.6762512	4.76	0.6382382	4.76	0.6132229	4.76	0.546188	4.76	0.4622561
M2-8:2 FTS	4.8	0.5579305	4.8	0.6043715	4.8	0.5406142	4.8	0.5303455	4.8	0.4809507	4.8	0.4411536
M2PFTeDA	1.25	1.022865	1.25	1.058226	1.25	1.03934	1.25	1.002049	1.25	0.9576559	1.25	1.0215
M3HFPO-DA	10	7.061192E-02	10	7.986791E-02	10	8.065938E-02	10	0.077162	10	7.099827E-02	10	7.171955E-02
M3PFBS	2.33	1.023877	2.33	1.091812	2.33	1.019168	2.33	1.042722	2.33	0.9665334	2.33	0.90947
M3PFHxS	2.37	0.94921	2.37	1.07028	2.37	0.9913026	2.37	0.9199844	2.37	0.9315867	2.37	0.9205431
M4PFHpA	2.5	0.3236275	2.5	0.3486246	2.5	0.3373421	2.5	0.3183948	2.5	0.3120261	2.5	0.3247254

FORM VI

INITIAL CALIBRATION DATA

EPA 1633A

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50063

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: QQQ4

Calibration Date: 08/27/25 08:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
M5PFHxA	2.5	0.9486151	2.5	1.029759	2.5	0.9791754	2.5	1.010663	2.5	0.9125212	2.5	0.9353228
M6PFDA	1.25	0.735423	1.25	0.7600439	1.25	0.726767	1.25	0.6872545	1.25	0.6746961	1.25	0.7203459
M7PFUdA	1.25	1.016508	1.25	0.9690608	1.25	0.9804844	1.25	0.9790296	1.25	0.8863734	1.25	0.8617895
M9PFNA	1.25	0.5729471	1.25	0.5764373	1.25	0.5349314	1.25	0.5274102	1.25	0.5471388	1.25	0.5255391
N-EtFOSA	0.2	1.294872	0.5	1.372103	1.25	1.254558	2.5	1.301088	5	1.593225	12.5	1.429675
N-EtFOSAA	0.2	1.357465	0.5	1.366162	1.25	1.213293	2.5	1.232461	5	1.466561	12.5	1.513798
N-EtFOSE	2	1.537386	5	1.561709	12.5	1.567637	25	1.556288	50	1.729996	125	1.700503
N-MeFOSA	0.2	1.273068	0.5	1.31722	1.25	1.228055	2.5	1.155807	5	1.37562	12.5	1.386684
N-MeFOSAA	0.2	1.284571	0.5	1.22461	1.25	1.106508	2.5	1.092958	5	1.337562	12.5	1.331342
N-MeFOSE	2	1.095491	5	1.157023	12.5	1.083719	25	1.099243	50	1.224849	125	1.230991
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.356	1.340655	0.89	1.470572	2.22	1.47068	4.45	1.430947	8.9	1.648447	22.2	1.630143
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.5	1.349833	2.5	1.463452	2.5	1.315883	2.5	1.375079	2.5	1.349131	2.5	1.275832
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.4	0.6400693	2.4	0.7076488	2.4	0.5800337	2.4	0.6298432	2.4	0.610357	2.4	0.6258908
Perfluoro-1-decanesulfonic acid (PFDS)	0.193	1.178852	0.482	0.7957915	1.21	0.8664282	2.41	0.85589	4.82	0.9488001	12.1	0.9205171
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.191	1.604986	0.476	1.34789	1.19	1.564228	2.38	1.49908	4.76	1.677679	11.9	1.620392
Perfluoro-1-nonanesulfonic acid (PFNS)	0.192	2.12322	0.481	1.501753	1.2	1.268302	2.4	1.298466	4.81	1.391984	12	1.315992
Perfluoro-1-octanesulfonamide (FOSA)	0.2	1.436388	0.5	1.27161	1.25	1.209681	2.5	1.260276	5	1.448785	12.5	1.460081
Perfluoro-1-pentanesulfonate (PFPeS)	0.188	1.965118	0.47	1.466065	1.18	1.399295	2.35	1.616493	4.7	1.672692	11.8	1.806012
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	0.4	9.176125E-03	1	1.082545E-02	2.5	1.086719E-02	5	1.184515E-02	10	1.373813E-02	25	1.353732E-02
Perfluoro-4-oxapentanoic acid (PFMPA)	0.4	0.906028	1	0.9298853	2.5	0.8824036	5	0.9216493	10	1.006321	25	1.063532
Perfluoro-5-oxahexanoic acid (PFMBA)	0.4	1.193249	1	1.208238	2.5	1.129869	5	1.161183	10	1.31161	25	1.344775
Perfluorobutanesulfonic acid (PFBS)	0.177	1.517223	0.444	1.40354	1.11	1.368663	2.22	1.319209	4.44	1.559584	11.1	1.736957

FORM VI

INITIAL CALIBRATION DATA

EPA 1633A

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50063

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: QQQ4

Calibration Date: 08/27/25 08:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Perfluorodecanoic acid (PFDA)	0.2	1.38882	0.5	1.352024	1.25	1.255135	2.5	1.415542	5	1.507704	12.5	1.448629
Perfluorododecanesulfonic acid (PFDoS)	0.194	0.5388697	0.485	0.4972597	1.21	0.4719835	2.42	0.4971313	4.85	0.5663299	12.1	0.5516165
Perfluorododecanoic acid (PFDoA)	0.2	0.8037686	0.5	0.7341568	1.25	0.7343139	2.5	0.748572	5	0.8880341	12.5	0.9326149
Perfluoroheptanoic acid (PFHpA)	0.2	4.088272	0.5	3.479137	1.25	3.248273	2.5	3.678542	5	4.052135	12.5	4.113496
Perfluorohexanesulfonic acid (PFHxS)	0.183	1.722681	0.457	1.504543	1.14	1.481914	2.28	1.49941	4.57	1.684345	11.4	1.759084
Perfluorohexanoic acid (PFHxA)	0.2	1.402997	0.5	1.227619	1.25	1.253372	2.5	1.239863	5	1.43535	12.5	1.460843
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	1.027387	1.25	1.02048	1.25	0.9965807	1.25	1.015054	1.25	0.9348451	1.25	0.9297056
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10	1.338789	10	1.380734	10	1.347567	10	1.400592	10	1.279198	10	1.271338
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5	0.4571363	5	0.4870676	5	0.4828201	5	0.4791774	5	0.4525214	5	0.4423185
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.5	0.6259756	2.5	0.6249141	2.5	0.609054	2.5	0.6549792	2.5	0.5879748	2.5	0.5875242
Perfluoro-n-butanoic acid (PFBA)	0.8	1.344222	2	1.282395	5	1.205824	10	1.247161	20	1.461123	50	1.528201
Perfluorononanoic acid (PFNA)	0.2	1.362421	0.5	1.2162	1.25	1.215039	2.5	1.302784	5	1.365	12.5	1.539666
Perfluorooctanesulfonic acid (PFOS)	0.186	2.030324	0.464	1.49712	1.16	1.45191	2.32	1.454352	4.64	1.643277	11.6	1.633419
Perfluorooctanoic acid (PFOA)	0.2	1.067807	0.5	1.031121	1.25	0.9849923	2.5	1.000358	5	1.151832	12.5	1.190726
Perfluoropentanoic acid (PFPeA)	0.4	1.223218	1	1.115041	2.5	1.075112	5	1.102895	10	1.246405	25	1.319045
Perfluorotetradecanoic acid (PFTA)	0.2	1.404105	0.5	1.188977	1.25	1.216687	2.5	1.258404	5	1.415508	12.5	1.412114
Perfluorotridecanoic acid (PFTrDA)	0.2	0.8331362	0.5	0.7656829	1.25	0.7429661	2.5	0.8193108	5	0.9429276	12.5	0.910344
Perfluoroundecanoic acid (PFUnA)	0.2	1.194461	0.5	1.164515	1.25	1.095214	2.5	1.160962	5	1.378774	12.5	1.473867

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50063
Instrument: QQQ4
Calibration Date: 08/27/25 08:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
M5PFHxA	2.5	1.013127	2.5	0.9594543								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	50	1.334626E-02	125	1.592872E-02								
11CL-PF3OUdS	94.5	3.703661	236	4.114602								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	96	1.785845	240	1.475004								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	93.8	3.4354	234	3.200493								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	95	2.71516	238	2.591738								
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	624	0.1475778	1560	0.1734518								
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	624	9.025091E-02	1560	0.1028041								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	125	2.233912E-02	312	2.879087E-02								
9CL-PF3ONS	93.5	6.178925	234	6.663019								
ADONA	94.5	8.10687	236	8.611229								
d3-N-MeFOSAA	5	0.5870615	5	0.4825559								
d5-N-EtFOSAA	5	0.4300509	5	0.3853203								
d7-N-MeFOSE	25	0.3521333	25	0.3132356								
d9-N-EtFOSE	25	0.2778009	25	0.2524311								
d-N-EtFOSA	2.5	0.110489	2.5	9.701333E-02								
d-N-MeFOSA	2.5	0.1259759	2.5	0.131154								
HFPO-DA (Gen-X)	100	0.3155548	250	0.3145584								
M2-4:2 FTS	4.69	0.3434741	4.69	0.3095431								
M2-6:2 FTS	4.76	0.4351724	4.76	0.3725195								
M2-8:2 FTS	4.8	0.4573976	4.8	0.459028								
M2PFTeDA	1.25	1.073443	1.25	1.124771								
M3HFPO-DA	10	7.064645E-02	10	6.273386E-02								
M3PFBS	2.33	0.9836288	2.33	0.9095401								
M3PFHxS	2.37	1.023339	2.37	1.010163								
M4PFHpA	2.5	0.3271539	2.5	0.3577112								

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50063
Instrument: QQQ4
Calibration Date: 08/27/25 08:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
M5PFHxA	2.5	1.013127	2.5	0.9594543								
M6PFDA	1.25	0.7202421	1.25	0.6609824								
M7PFUdA	1.25	0.9052163	1.25	0.8975467								
M9PFNA	1.25	0.5710336	1.25	0.560438								
N-EtFOSA	25	1.570811	62.5	1.866713								
N-EtFOSAA	25	1.446756	62.5	1.57659								
N-EtFOSE	250	1.809245	625	1.776977								
N-MeFOSA	25	1.473125	62.5	1.498585								
N-MeFOSAA	25	1.209145	62.5	1.411499								
N-MeFOSE	250	1.282715	625	1.31471								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	44.5	1.69646	111	1.925921								
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.5	1.361328	2.5	1.227543								
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.4	0.6670638	2.4	0.6251574								
Perfluoro-1-decanesulfonic acid (PFDS)	24.1	0.8698718	60.3	0.9594723								
Perfluoro-1-heptanesulfonic acid (PFHpS)	23.8	1.52838	59.6	1.564874								
Perfluoro-1-nonanesulfonic acid (PFNS)	24	1.222356	60.1	1.301804								
Perfluoro-1-octanesulfonamide (FOSA)	25	1.352324	62.5	1.503803								
Perfluoro-1-pentanesulfonate (PFPeS)	23.5	1.61177	58.8	1.710445								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	50	1.334626E-02	125	1.592872E-02								
Perfluoro-4-oxapentanoic acid (PFMPA)	50	1.096031	125	1.212345								
Perfluoro-5-oxahexanoic acid (PFMBA)	50	1.373584	125	1.496013								
Perfluorobutanesulfonic acid (PFBS)	22.2	1.541683	55.4	1.701674								

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50063
Instrument: QQQ4
Calibration Date: 08/27/25 08:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Perfluorodecanoic acid (PFDA)	25	1.457299	62.5	1.562814								
Perfluorododecanesulfonic acid (PFDoS)	24.2	0.5230243	60.6	0.5874954								
Perfluorododecanoic acid (PFDoA)	25	0.8465035	62.5	0.8544461								
Perfluoroheptanoic acid (PFHpA)	25	4.107479	62.5	4.264622								
Perfluorohexanesulfonic acid (PFHxS)	22.8	1.556032	57.1	1.729682								
Perfluorohexanoic acid (PFHxA)	25	1.332643	62.5	1.51238								
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	1.024774	1.25	1.047239								
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10	1.394058	10	1.415197								
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5	0.4681988	5	0.4554373								
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.5	0.6585185	2.5	0.6484228								
Perfluoro-n-butanoic acid (PFBA)	100	1.366526	250	1.505511								
Perfluorononanoic acid (PFNA)	25	1.385462	62.5	1.481603								
Perfluorooctanesulfonic acid (PFOS)	23.2	1.519887	58	1.689991								
Perfluorooctanoic acid (PFOA)	25	1.06997	62.5	1.17426								
Perfluoropentanoic acid (PFPeA)	50	1.193635	125	1.308624								
Perfluorotetradecanoic acid (PFTA)	25	1.365618	62.5	1.321272								
Perfluorotridecanoic acid (PFTrDA)	25	0.8357609	62.5	0.8273824								
Perfluoroundecanoic acid (PFUnA)	25	1.357013	62.5	1.38104								

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50063
Instrument: QQQ4
Calibration Date: 08/27/25 08:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
M5PFHxA	0.9735797	4.277693	5.899858	8.257495E-02			20	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1.240804E-02	17.22092	5.824023	5.344589E-02		0.9997355	0.995	
11CL-PF3OUdS	3.096705	18.55203	9.022029	4.720698E-02		0.9994154	0.995	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	2.055137	14.2792	7.617036	6.045298E-02			20	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	3.430776	6.382333	5.670508	6.062795E-02			20	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	2.887069	9.599756	6.79305	4.608026E-02			20	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	0.1447572	12.23676	7.570387	5.603188E-02		0.9991984	0.995	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	0.0904365	10.47843	6.422461	6.891234E-02		0.9988797	0.995	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	1.996972E-02	22.55098	4.640568	0.1022338		0.9996773	0.995	
9CL-PF3ONS	5.246612	15.82869	8.281477	0.0106813		0.9993355	0.995	
ADONA	7.150153	12.88786	6.707483	6.323268E-02		0.9995853	0.995	
d3-N-MeFOSAA	0.5576148	6.938114	7.972625	1.109751E-02			20	
d5-N-EtFOSAA	0.4363072	6.475441	8.150069	5.642766E-02			20	
d7-N-MeFOSE	0.3423219	4.17867	10.4045	4.847441E-02			20	
d9-N-EtFOSE	0.2697956	3.747264	10.70103	2.624614E-03			20	
d-N-EtFOSA	0.1033941	5.893489	10.83668	4.129917E-02			20	
d-N-MeFOSA	0.1218515	6.196111	10.55139	1.488611E-02			20	
HFPO-DA (Gen-X)	0.2806674	10.53105	6.163823	7.528718E-02		0.9994987	0.995	
M2-4:2 FTS	0.4537819	21.03759	5.669971	6.208428E-02	not target analyte - no qual		20	*
M2-6:2 FTS	0.5468271	20.33616	6.792652	4.730522E-02	not target analyte - no qual		20	*
M2-8:2 FTS	0.508974	11.38262	7.614275	1.280717E-02			20	
M2PFTeDA	1.037481	4.811544	9.267546	3.356389E-02			20	
M3HFPO-DA	7.304992E-02	8.105594	6.163456	7.886655E-02			20	
M3PFBS	0.9933439	6.435288	5.879787	5.662868E-02			20	
M3PFHxS	0.9770511	5.662387	7.100925	5.917509E-02			20	
M4PFHpA	0.3312007	4.693388	6.507434	8.459792E-02			20	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50063
Instrument: QQQ4
Calibration Date: 08/27/25 08:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
M5PFHxA	0.9735797	4.277693	5.899858	8.257495E-02			20	
M6PFDA	0.7107194	4.6986	7.815094	6.244623E-02			20	
M7PFUdA	0.9370011	5.954874	8.195725	1.721953E-02			20	
M9PFNA	0.5519844	3.805821	7.416027	6.093201E-02			20	
N-EtFOSA	1.460381	14.1477	10.84333	1.389271E-02			20	
N-EtFOSAA	1.396636	9.238694	8.156729	4.000031E-02		0.9997942	0.995	
N-EtFOSE	1.654968	6.708261	10.72375	4.485079E-02		0.9997565	0.995	
N-MeFOSA	1.33852	8.828878	10.55437	2.776889E-02			20	
N-MeFOSAA	1.249774	9.028636	7.976966	5.952086E-02		0.9991766	0.995	
N-MeFOSE	1.186093	7.572748	10.42608	3.782531E-02		0.9999111	0.995	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.576728	11.83534	6.237315	1.270117E-02		0.9999788	0.995	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.33976	5.236308	9.312296	2.511272E-03			20	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	0.635758	5.993076	7.958965	5.517192E-03			20	
Perfluoro-1-decanesulfonic acid (PFDS)	0.9244529	12.54543	8.719525	3.527905E-02		0.9996419	0.995	
Perfluoro-1-heptanesulfonic acid (PFHpS)	1.550939	6.383194	7.548221	6.286442E-02		0.9997538	0.995	
Perfluoro-1-nonanesulfonic acid (PFNS)	1.427985	20.55539	8.345508	6.455705E-03		0.9995607	0.995	
Perfluoro-1-octanesulfonamide (FOSA)	1.367868	8.024145	9.30925	5.253103E-02		0.9995239	0.995	
Perfluoro-1-pentanesulfonate (PFPeS)	1.655986	10.86942	6.577141	4.941257E-02		0.9993641	0.995	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1.240804E-02	17.22092	5.824023	5.344589E-02		0.9997355	0.995	
Perfluoro-4-oxapentanoic acid (PFMPA)	1.002274	11.44206	4.189088	0.100069		0.9999683	0.995	
Perfluoro-5-oxahexanoic acid (PFMBA)	1.277315	9.80913	5.339673	5.934685E-02		0.9999718	0.995	
Perfluorobutanesulfonic acid (PFBS)	1.518567	9.921126	5.879606	1.790531E-02		0.9992219	0.995	
Perfluorodecanoic acid (PFDA)	1.423496	6.664149	7.815687	6.416579E-02		0.9999481	0.995	
Perfluorododecanesulfonic acid (PFDoS)	0.5292138	7.399278	9.395433	5.097128E-02		0.9996181	0.995	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50063
Instrument: QQQ4
Calibration Date: 08/27/25 08:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Perfluorododecanoic acid (PFDoA)	0.8178012	9.154921	8.569758	3.925105E-02		0.9995804	0.995	
Perfluoroheptanoic acid (PFHpA)	3.878994	9.384303	6.509048	8.271878E-02		0.9999602	0.995	
Perfluorohexanesulfonic acid (PFHxS)	1.617211	7.280018	7.101538	6.051283E-02		0.9991018	0.995	
Perfluorohexanoic acid (PFHxA)	1.358133	8.111915	5.899498	8.045585E-02		0.9993404	0.995	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.9995082	4.383516	8.570442	6.505216E-03			20	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	1.353434	4.04051	3.330342	0.2849037			20	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	0.4655847	3.478931	5.02504	9.729219E-02			20	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	0.6246704	4.5281	6.992727	0.0609454			20	
Perfluoro-n-butanoic acid (PFBA)	1.36762	8.828307	3.332631	0.3293149		0.9992534	0.995	
Perfluorononanoic acid (PFNA)	1.358522	8.470551	7.417844	6.810822E-02		0.9994389	0.995	
Perfluorooctanesulfonic acid (PFOS)	1.615035	11.80869	7.957556	5.412411E-02		0.9995585	0.995	
Perfluorooctanoic acid (PFOA)	1.083883	7.330633	6.993362	5.957304E-02		0.9992967	0.995	
Perfluoropentanoic acid (PFPeA)	1.197997	7.786849	5.026571	9.731613E-02		0.9994095	0.995	
Perfluorotetradecanoic acid (PFTA)	1.322836	6.900863	9.268315	3.314172E-02		0.9999459	0.995	
Perfluorotridecanoic acid (PFTrDA)	0.8346889	7.960855	8.929132	4.885386E-02		0.9996231	0.995	
Perfluoroundecanoic acid (PFUnA)	1.275731	10.77654	8.196712	1.530265E-02		0.9996611	0.995	

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50063
Laboratory ID: S5H2836-SCV1
Sequence: S5H2836
Standard ID: S25H332

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DIFF	QC LIMIT
Perfluorobutanesulfonic acid (PFBS)	10.0	9.55	-4.5	30.00
Perfluorohexanoic acid (PFHxA)	10.0	9.58	-4.2	30.00
Perfluoroheptanoic acid (PFHpA)	10.0	8.43	-15.7	30.00
Perfluorohexanesulfonic acid (PFHxS)	10.0	11.0	9.7	30.00
Perfluorooctanoic acid (PFOA)	10.0	8.79	-12.1	30.00
Perfluorooctanesulfonic acid (PFOS)	10.0	9.15	-8.5	30.00
Perfluorononanoic acid (PFNA)	10.0	9.72	-2.8	30.00
Perfluorodecanoic acid (PFDA)	10.0	9.56	-4.4	30.00
Perfluoroundecanoic acid (PFUnA)	10.0	8.42	-15.8	30.00
Perfluorododecanoic acid (PFDoA)	10.0	7.88	-21.2	30.00
Perfluorotridecanoic acid (PFTrDA)	10.0	8.68	-13.2	30.00
Perfluorotetradecanoic acid (PFTA)	10.0	9.67	-3.3	30.00
N-MeFOSAA	10.0	8.95	-10.5	30.00
N-EtFOSAA	10.0	9.58	-4.2	30.00
Perfluoropentanoic acid (PFPeA)	10.0	9.44	-5.6	30.00
Perfluoro-1-octanesulfonamide (FOSA)	10.0	8.92	-10.8	30.00
Perfluoro-1-heptanesulfonic acid (PFHpS)	10.0	9.10	-9.0	30.00
Perfluoro-1-decanesulfonic acid (PFDS)	10.0	9.76	-2.4	30.00
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	10.0	9.49	-5.1	30.00
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	10.0	9.24	-7.6	30.00
Perfluoro-n-butanoic acid (PFBA)	10.0	9.11	-8.9	30.00
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	10.0	8.88	-11.2	30.00
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	10.0	10.1	1.5	30.00
Perfluoro-4-oxapentanoic acid (PFMPA)	10.0	9.65	-3.5	30.00
Perfluoro-5-oxahexanoic acid (PFMBA)	10.0	9.36	-6.4	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50063
Laboratory ID: S5H2836-SCV1
Sequence: S5H2836
Standard ID: S25H332

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DIFF	QC LIMIT
Perfluoro-1-pentanesulfonate (PFPeS)	10.0	10.1	0.9	30.00
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	10.0	9.35	-6.5	30.00
HFPO-DA (Gen-X)	10.0	9.28	-7.2	30.00
11CL-PF3OUdS	10.0	9.17	-8.3	30.00
9CL-PF3ONS	10.0	9.75	-2.5	30.00
ADONA	10.0	9.11	-8.9	30.00
Perfluorododecanesulfonic acid (PFDoS)	10.0	9.51	-4.9	30.00
Perfluoro-1-nonanesulfonic acid (PFNS)	10.0	10.5	5.5	30.00
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	10.0	10.7	6.5	30.00
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	10.0	10.2	1.8	30.00
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	10.0	10.3	2.7	30.00
N-MeFOSE	10.0	10.0	0.01	30.00
N-MeFOSA	10.0	9.68	-3.2	30.00
N-EtFOSE	10.0	9.86	-1.4	30.00
N-EtFOSA	10.0	10.4	3.9	30.00
M3PFBS	2.33	2.74	17.5	
M5PFHxA	2.50	2.60	4.0	
M4PFHpA	2.50	2.58	3.1	
M3PFHxS	2.37	2.50	5.7	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	2.52	1.0	
M6PFDA	1.25	1.33	6.3	
M7PFUdA	1.25	1.30	4.3	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	1.32	5.3	
M2PFTeDA	1.25	1.31	4.7	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	10.3	2.8	

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50063
Laboratory ID: S5H2836-SCV1
Sequence: S5H2836
Standard ID: S25H332

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DIFF	QC LIMIT
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	2.59	7.8	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	5.26	5.1	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	2.61	4.4	
d3-N-MeFOSAA	5.00	5.33	6.6	
d5-N-EtFOSAA	5.00	5.51	10.2	
M2-6:2 FTS	4.76	4.95	3.9	
M2-8:2 FTS	4.80	5.46	13.7	
M9PFNA	1.25	1.34	7.5	
M2-4:2 FTS	4.69	5.24	11.8	
d-N-MeFOSA	2.50	2.47	-1.3	
d-N-EtFOSA	2.50	2.41	-3.7	
M3HFPO-DA	10.0	11.1	10.6	
d9-N-EtFOSE	25.0	26.9	7.5	
d7-N-MeFOSE	25.0	26.1	4.5	

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	QQQ4	Calibration:	SH50063
Lab File ID:	QQQ421558.d	Calibration Date:	08/27/25 08:00
Sequence:	S5I0837	Injection Date:	09/07/25
Lab Sample ID:	S5I0837-CCV2	Injection Time:	21:06

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
11CL-PF3OUdS	A	9.45	7.76	3.096705	2.500623		-17.8	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	A	9.60	8.98	2.055137	2.055265		0.006	30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	A	9.38	10.2	3.430776	3.769363		9.9	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	A	9.50	11.5	2.887069	3.573805		23.8	30	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	A	62.6	45.4	0.1447572	0.1036439		-27.4	30	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	A	62.6	47.4	0.0904365	6.856302E-02		-24.3	30	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	A	12.5	10.7	1.996972E-02	1.637566E-02		-14.1	30	
9CL-PF3ONS	A	9.35	8.31	5.246612	4.290466		-11.1	30	
ADONA	A	9.45	7.65	7.150153	5.75296		-19.0	30	
HFPO-DA (Gen-X)	A	10.0	4.83	0.2806674	0.1354213		-51.7	30 *	
N-EtFOSA	A	2.50	2.31	1.460381	1.28295		-12.1	30	
N-EtFOSAA	A	2.50	2.45	1.396636	1.369198		-2.1	30	
N-EtFOSE	A	25.0	21.8	1.654968	1.481938		-12.8	30	
N-MeFOSA	A	2.50	2.22	1.33852	1.204522		-10.0	30	
N-MeFOSAA	A	2.50	2.51	1.249774	1.213598		0.3	30	
N-MeFOSE	A	25.0	24.5	1.186093	1.182101		-1.8	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	A	4.45	4.70	1.576728	1.638		5.7	30	
Perfluoro-1-decanesulfonic acid (PFDS)	A	2.41	2.54	0.9244529	0.9332858		5.6	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	A	2.38	2.50	1.550939	1.647443		4.9	30	
Perfluoro-1-nonanesulfonic acid (PFNS)	A	2.40	2.71	1.427985	1.379409		12.8	30	
Perfluoro-1-octanesulfonamide (FOSA)	A	2.50	2.77	1.367868	1.49698		10.7	30	
Perfluoro-1-pentanesulfonate (PFPeS)	A	2.35	2.73	1.655986	1.931221		16.4	30	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	A	5.00	6.66	1.240804E-02	1.658072E-02		33.3	30 *	

%drift high - sample ND - no qual

%Drift high, %R <50% - qual UR,CV-

FORM VII

CONTINUING CALIBRATION CHECK

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	QQQ4	Calibration:	SH50063
Lab File ID:	QQQ421558.d	Calibration Date:	08/27/25 08:00
Sequence:	S5I0837	Injection Date:	09/07/25
Lab Sample ID:	S5I0837-CCV2	Injection Time:	21:06

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Perfluoro-4-oxapentanoic acid (PFMPA)	A	5.00	4.64	1.002274	0.9225311		-7.3	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	A	5.00	4.99	1.277315	1.269992		-0.3	30	
Perfluorobutanesulfonic acid (PFBS)	A	2.22	2.21	1.518567	1.528487		-0.5	30	
Perfluorodecanoic acid (PFDA)	A	2.50	2.62	1.423496	1.484751		4.9	30	
Perfluorododecanesulfonic acid (PFDoS)	A	2.42	2.35	0.5292138	0.5023661		-2.9	30	
Perfluorododecanoic acid (PFDoA)	A	2.50	2.73	0.8178012	0.9406101		9.3	30	
Perfluoroheptanoic acid (PFHpA)	A	2.50	2.40	3.878994	3.78346		-3.8	30	
Perfluorohexanesulfonic acid (PFHxS)	A	2.28	2.57	1.617211	1.802671		12.9	30	
Perfluorohexanoic acid (PFHxA)	A	2.50	2.66 ✓	1.358133	1.421809		6.5 ✓	30	
Perfluoro-n-butanoic acid (PFBA)	A	10.0	10.2	1.36762	1.40296		1.7	30	
Perfluorononanoic acid (PFNA)	A	2.50	2.45	1.358522	1.357845		-1.9	30	
Perfluorooctanesulfonic acid (PFOS)	A	2.32	2.45 ✓	1.615035	1.625534		5.4 ✓	30	
Perfluorooctanoic acid (PFOA)	A	2.50	2.78	1.083883	1.209905		11.2	30	
Perfluoropentanoic acid (PFPeA)	A	5.00	5.12	1.197997	1.22782		2.3	30	
Perfluorotetradecanoic acid (PFTA)	A	2.50	2.45	1.322836	1.344517		-2.2	30	
Perfluorotridecanoic acid (PFTrDA)	A	2.50	2.88	0.8346889	1.004951		15.0	30	
Perfluoroundecanoic acid (PFUnA)	A	2.50	2.28	1.275731	1.221379		-9.0	30	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	QQQ4	Calibration:	SH50063
Lab File ID:	QQQ421570.d	Calibration Date:	08/27/25 08:00
Sequence:	S5I0837	Injection Date:	09/08/25
Lab Sample ID:	S5I0837-CCV3	Injection Time:	00:10

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
11CL-PF3OUdS	A	9.45	7.44	3.096705	2.391843		-21.3	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	A	9.60	9.20	2.055137	2.104479		2.4	30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	A	9.38	10.3 ✓	3.430776	3.796864		10.7 ✓	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	A	9.50	10.6	2.887069	3.299969		14.3	30	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	A	62.6	45.8	0.1447572	0.1046264		-26.8	30	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	A	62.6	49.1	0.0904365	7.105437E-02		-21.6	30	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	A	12.5	10.2	1.996972E-02	1.558406E-02		-18.1	30	
9CL-PF3ONS	A	9.35	8.09	5.246612	4.174146		-13.5	30	
ADONA	A	9.45	7.50	7.150153	5.637849		-20.6	30	
HFPO-DA (Gen-X)	A	10.0	4.75	0.2806674	0.1331081	✓	-52.5 ✓	30 *	
N-EtFOSA	A	2.50	2.30	1.460381	1.277932		-12.5	30	
N-EtFOSAA	A	2.50	2.28	1.396636	1.275208		-8.7	30	
N-EtFOSE	A	25.0	21.3	1.654968	1.44674		-14.9	30	
N-MeFOSA	A	2.50	2.14	1.33852	1.157241		-13.5	30	
N-MeFOSAA	A	2.50	2.37	1.249774	1.147956		-5.1	30	
N-MeFOSE	A	25.0	23.6	1.186093	1.136441		-5.5	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	A	4.45	4.83	1.576728	1.682269		8.5	30	
Perfluoro-1-decanesulfonic acid (PFDS)	A	2.41	2.76	0.9244529	1.011658		14.5	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	A	2.38	2.50	1.550939	1.649144		5.0	30	
Perfluoro-1-nonanesulfonic acid (PFNS)	A	2.40	2.74	1.427985	1.396234		14.3	30	
Perfluoro-1-octanesulfonamide (FOSA)	A	2.50	2.73	1.367868	1.473494		9.0	30	
Perfluoro-1-pentanesulfonate (PFPeS)	A	2.35	2.55	1.655986	1.802615		8.6	30	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	A	5.00	5.82	1.240804E-02	1.440173E-02		16.3	30	

%Drift v. high, %R<50% - qual UR,CV- ✓

FORM VII

CONTINUING CALIBRATION CHECK

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	QQQ4	Calibration:	SH50063
Lab File ID:	QQQ421570.d	Calibration Date:	08/27/25 08:00
Sequence:	S5I0837	Injection Date:	09/08/25
Lab Sample ID:	S5I0837-CCV3	Injection Time:	00:10

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Perfluoro-4-oxapentanoic acid (PFMPA)	A	5.00	4.59	1.002274	0.9126267		-8.2	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	A	5.00	4.96	1.277315	1.262672		-0.8	30	
Perfluorobutanesulfonic acid (PFBS)	A	2.22	2.21	1.518567	1.528988		-0.4	30	
Perfluorodecanoic acid (PFDA)	A	2.50	2.62	1.423496	1.484005		4.9	30	
Perfluorododecanesulfonic acid (PFDoS)	A	2.42	2.54	0.5292138	0.5426888		4.9	30	
Perfluorododecanoic acid (PFDoA)	A	2.50	2.60	0.8178012	0.8948808		4.1	30	
Perfluoroheptanoic acid (PFHpA)	A	2.50	2.34	3.878994	3.675537		-6.5	30	
Perfluorohexanesulfonic acid (PFHxS)	A	2.28	2.37	1.617211	1.662571		4.2	30	
Perfluorohexanoic acid (PFHxA)	A	2.50	2.80 ✓	1.358133	1.496333		12.0 ✓	30	
Perfluoro-n-butanoic acid (PFBA)	A	10.0	10.3	1.36762	1.418997		2.9	30	
Perfluorononanoic acid (PFNA)	A	2.50	2.34	1.358522	1.296168		-6.3	30	
Perfluorooctanesulfonic acid (PFOS)	A	2.32	2.58 ✓	1.615035	1.710959		11.0 ✓	30	
Perfluorooctanoic acid (PFOA)	A	2.50	2.72	1.083883	1.185128		8.9	30	
Perfluoropentanoic acid (PFPeA)	A	5.00	5.10	1.197997	1.223574		2.0	30	
Perfluorotetradecanoic acid (PFTA)	A	2.50	2.53	1.322836	1.389043		1.0	30	
Perfluorotridecanoic acid (PFTrDA)	A	2.50	2.88	0.8346889	1.005287		15.1	30	
Perfluoroundecanoic acid (PFUnA)	A	2.50	2.30	1.275731	1.232817		-8.2	30	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Surrogate Failures and Associated Analytes

Work Order No: 25H1532

Surrogate	Recovery	Limits	Flag	Target Analyte	Specific Method	Data File	Analyzed
25H1532-01 - HVAC - Spoils							
* M9PFNA	138 %	40-130	PFSu-H	Perfluorononanoic acid (PFNA)	EPA 1633A	QQQ421563.d	07/09/25 22:23



PREPARATION BENCH SHEET : BI50372

Preparation Date: 09/06/2025 10:13

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	Final	Basic	Decanted If applicable Y/N	Comments
25H1532-01RE1 A	Q_P_PFAS, EPA 1633a Target List	5.04	5						P3	6.0	PC-7		From BH52275 by MPR on 09/0
25H1532-01RE1 A	Q_P_PFAS, EPA 1633a NFDHA	5.04	5						P3	6.0	PC-7		From BH52275 by MPR on 09/0
BI50372-BLK1	Q_P_PFAS, EPA 1633a Target List	5	5						P4	5.0	PC-7		
BI50372-BLK1	Q_P_PFAS, EPA 1633a NFDHA	5	5						P4	5.0	PC-7		
BI50372-BS1	Q_P_PFAS, EPA 1633a Target List	5	5	S25I001	100				P5	5.0	PC-7		
BI50372-BS1	Q_P_PFAS, EPA 1633a NFDHA	5	5	S25I001	100				P5	5.0	PC-7		
BI50372-BS2	Q_P_PFAS, EPA 1633a Target List	5	5	S25I001	10				P6	5.0	PC-7		
BI50372-BS2	Q_P_PFAS, EPA 1633a NFDHA	5	5	S25I001	10				P6	5.0	PC-7		

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25I001	EPA 1633 OPR BS Mix	BS20250902	100
S25I001	EPA 1633 OPR BS Mix	BS20250902	10
S25I001	EPA 1633 OPR BS Mix	BS20250902	100
S25I001	EPA 1633 OPR BS Mix	BS20250902	10

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25H298	EPA 1633 EIS Isotopic Surrogates	MPFACHIFES0825	25
S25H298	EPA 1633 EIS Isotopic Surrogates	MPFACHIFES0825	25

Preparations Performed by ** Vendor ** **Date:** **08/11/2025 17:14**

METHOD DETECTION AND REPORTING LIMITS

EPA 170.1

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: Soil **Instrument:**

Analyte	LOD	LOQ	Units
Temperature	1.00	1.00	°C



Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID:** **25H1532-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Wet Chemistry Parameters

Sample Prepared by Method: Analysis Preparation Results Reported to RL % Solids: 88.51

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
TEMP	* **Temperature**	21.6	Z-01	°C	1.00	1.00	1	EPA 170.1	08/27/2025 06:18	08/27/2025 13:30	SMM

METHOD DETECTION AND REPORTING LIMITS

EPA 9045D

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: Soil **Instrument:**

Analyte	LOD	LOQ	Units
pH	0.500	0.500	pH units



Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID:** **25H1532-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Wet Chemistry Parameters

Sample Prepared by Method: Analysis Preparation

Results Reported to RL

% Solids: 88.51

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
pH	**pH**	8.40	HT-pH	pH units	0.500	0.500	1	EPA 9045D	08/27/2025 06:18	08/27/2025 13:30	SMM

METHOD DETECTION AND REPORTING LIMITS

EPA 170.1

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: Soil **Instrument:**

Analyte	LOD	LOQ	Units
Temperature	1.00	1.00	°C



Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID:** **25H1532-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Wet Chemistry Parameters

Sample Prepared by Method: Analysis Preparation Results Reported to RL % Solids: 88.51

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
TEMP	* **Temperature**	21.6	Z-01	°C	1.00	1.00	1	EPA 170.1	08/27/2025 06:18	08/27/2025 13:30	SMM

PREPARATION BENCH SHEET : BH52000

Preparation Date: 08/27/2025 06:18

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	Initial	Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1532-01 F	Temperature	20	20										
25H1532-01 F	Corrosivity (pH) by SM 4500/EPA 9045D	20	20										

Reagent

Standard/Reagent ID	Description	LotNum	Volume
S25D048	Buffer Solution pH 4.00	4407H70	
S25D048	Buffer Solution pH 4.00	4407H70	
S25D145	Buffer Soln. pH 2.0	44120120	
S25D145	Buffer Soln. pH 2.0	44120120	
S25D146	Buffer Soln. pH 12.0	1404D66	
S25D146	Buffer Soln. pH 12.0	1404D66	
S25F344	Buffer Soln. pH 7.0	U23K514	
S25F344	Buffer Soln. pH 7.0	U23K514	
S25G223	Buffer Soln. pH 10.0	CC808510	
S25G223	Buffer Soln. pH 10.0	CC808510	
S25G242	Buffer Solution pH 7.00	4409G06	
S25G242	Buffer Solution pH 7.00	4409G06	

Preparations Performed by Sienna M Matregrano **Date:** **07/14/2025 09:32**

Instrument: Orion Dual Star

Batch: BH52000 Analyzed Date:

Analyst: SMM

SAMP	QC Source	pH
CCV		6.97
25H1531-01		8.68
BH52000-DUP1	Duplicate 25H1531-01	8.7
25H1532-01		8.4
25H1692-02		8.49
25H1692-04		7.73
25H1760-01		7.69
25H1764-01		5.01
25H1764-03		4.93
25H1764-05		5.21
25H1764-07		5.62
25H1768-03		8.74
CCV		7.04
25H1699-01		7.8
CCV		7.04

Analysis: pH, Corrosivity, Temperature SM 9045D SW 846-9040C/4500 H+B **Batch:** BH52000

Calibration Slope: 98.1 c/o

Second Source Buffer pH: 6.97 Acceptable Range: 6.95 to 7.05

pH 2 buffer: 2.04 Acceptable Range: 1.95 to 2.05

ph 12 buffer: — Acceptable Range: 11.95 to 12.05

Analyst: JM

Analyzed Date: 8/27/25

SAMP	QC Source	pH	Temperature	Time
CCV		6.97	22.1	13:24
25H1531-01		8.68	21.4	13:25
BH52000-DUP1	Duplicate 25H1531-01	8.70	21.7	13:26
25H1532-01		8.46	21.6	13:30
25H1692-02		8.49	22.0	13:37
25H1692-04		7.73	21.4	13:40
25H1760-01		7.69	22.2	13:50
25H1764-01		5.01	22.0	13:52
25H1764-03		4.93	21.8	13:55
25H1764-05		5.21	21.8	13:58
25H1764-07		5.62	22.1	14:03
25H1768-03		8.74	22.0	14:06
CCV		7.04	21.8	14:09
25H1699-01		7.80	21.8	14:11
CCV		7.04	21.8	14:13

By initalling, I confirm that:
-The data recorded on this sheet matches what has been entered into the import document.
-No reagents used in this batch are past expiration.
-Any necessary comments and/or qualifiers have been applied appropriately.

Analyst: JM
Date: 8/27/25
Reviewer: [illegible]
Date: 8.27.25

CCV+/- 0.1 pH units

Analysis: pH, Corrosivity, Temperature SM 9045D SW 846-9040C/4500 H+B **Batch:** BH52000

Calibration Slope: 98.1 %

Second Source Buffer pH: 6.97 Acceptable Range: 6.95 to 7.05

pH 2 buffer: 2.04 Acceptable Range: 1.95 to 2.05

ph 12 buffer: — Acceptable Range: 11.95 to 12.05

Analyst: JJL

Analyzed Date: 8/27/25

SAMP	QC Source	pH	Temperature	Time
CCV		6.97	22.1	13:24
25H1531-01		8.68	21.4	13:25
BH52000-DUP1	Duplicate 25H1531-01	8.70	21.7	13:26
25H1532-01		8.46	21.6	13:30
25H1692-02		8.49	22.0	13:37
25H1692-04		7.73	21.4	13:40
25H1760-01		7.69	22.2	13:50
25H1764-01		5.01	22.0	13:52
25H1764-03		4.93	21.8	13:55
25H1764-05		5.21	21.8	13:58
25H1764-07		5.62	22.1	14:03
25H1768-03		8.74	22.0	14:06
CCV		7.04	21.8	14:09
25H1699-01		7.80	21.8	14:11
CCV		7.04	21.8	14:13

By initalling, I confirm that:
-The data recorded on this sheet matches what has been entered into the import document.
-No reagents used in this batch are past expiration.
-Any necessary comments and/or qualifiers have been applied appropriately.

Analyst: JJL
Date: 8/27/25
Reviewer: MT
Date: 8.27.25

METHOD DETECTION AND REPORTING LIMITS

EPA SW-846 Ch.7.3.3

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: Soil **Instrument:**

Analyte	LOD	LOQ	Units
Reactivity - Cyanide	0.250	0.250	mg/kg



Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID:** **25H1532-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Wet Chemistry Parameters

Sample Prepared by Method: Analysis Preparation

Results Reported to RL

% Solids: 88.51

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
CREAC	* Reactivity - Cyanide	ND		mg/kg	0.250	0.250	1	EPA SW-846 Ch.7.3.3	08/27/2025 09:21	08/27/2025 13:21	LJM

FORM IV **PREPARATION BATCH SUMMARY**

EPA SW-846 Ch.7.3.3

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Batch:	BH52030	Batch Matrix:	Soil	Preparation:	Analysis Preparation

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC - Spoils	25H1532-01	SPECA_BH52030_2508	08/27/25 09:21	
Blank	BH52030-BLK1	SPECA_BH52030_2508	08/27/25 09:21	



FORM I

METHOD BLANK DATA SHEET

CLEAN BLANK

EPA SW-846 Ch.7.3.3

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	BH52030-BLK1	File ID:	ReactiveCN_SPECA_BH52030_2
Prepared:	08/27/25 09:21	Preparation:	Analysis Preparation	Initial/Final:	10 g / 50 mL
Analyzed:	08/27/25 13:21	Instrument:	SPEC A		
Batch:	BH52030	Sequence:		Calibration:	

CAS NO.	COMPOUND	CONC. (mg/kg)	Q
CREAC	Reactivity - Cyanide	0.250	U

BENCHSHEETS

SDG: 25H1532

CLASS: WET

METHOD: EPA SW-846 Ch.7.3.3

PREPARATION BENCH SHEET : BH52030

Preparation Date: 08/27/2025 09:21

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	Final	Basic	Decanted If applicable Y/N	Comments
25H1532-01 F	Reactivity-Cyanide	10	50										
BH52030-BLK1	Reactivity-Cyanide	10	50										

Reagent

Standard/Reagent ID	Description	LotNum
S25A382	CN Chloramine T	10247685
S25F432	CN Pyridine/Barb Soln.	.
S25G344	1.0 N Sulfuric Acid	.
S25G450	0.25N NaOH Scrubber Soln.	.
S25G565	CN Sodium Phosphate Buffer	.

Preparations Performed by L James Macisco **Date:** **07/31/2025 17:10**

Reactive Cyanide

Instrument: SPEC A
Batch: BH52030
Analyst: LJM
Analyzed Date: 8/27/2025
Analyzed Time: 13:21

SAMP	QC Source	ABS	DIL	PPM RAW	PPM FINAL
BH52030-BLK1		0	1	0.003896909	0.003896909
CCV		0.184	1	0.057020798	0.057020798
25H1509-03		0	1	0.003896909	0.003896909
25H1509-06		0	1	0.003896909	0.003896909
25H1532-01		0	1	0.003896909	0.003896909
25H1547-01		0	1	0.003896909	0.003896909
25H1557-06		0	1	0.003896909	0.003896909
25H1692-02		0	1	0.003896909	0.003896909
25H1692-04		0	1	0.003896909	0.003896909
25H1699-01		0	1	0.003896909	0.003896909
25H1760-01		0	1	0.003896909	0.003896909
25H1764-01		0	1	0.003896909	0.003896909
25H1764-03		0	1	0.003896909	0.003896909
25H1764-05		0	1	0.003896909	0.003896909
25H1764-07		0	1	0.003896909	0.003896909
25H1768-03		0	1	0.003896909	0.003896909
25H1780-03		0	1	0.003896909	0.003896909
25H1780-06		0	1	0.003896909	0.003896909
25H1780-09		0	1	0.003896909	0.003896909
25H1780-12		0	1	0.003896909	0.003896909
BH52030-DUP1	Duplicate 25H1780-12	0	1	0.003896909	0.003896909
			1		
			1		
			1		
			1		
			1		
CCV		0.184	1	0.057020798	0.057020798

Total/Amenable/Reactive Cyanide Calibration DATA

Instrument: **SPEC A**

WaveLenght 578 nm
Light Path: 1 cm
Filter: No
Method: Distill / colormetric

Analyst: Stacey Lecza

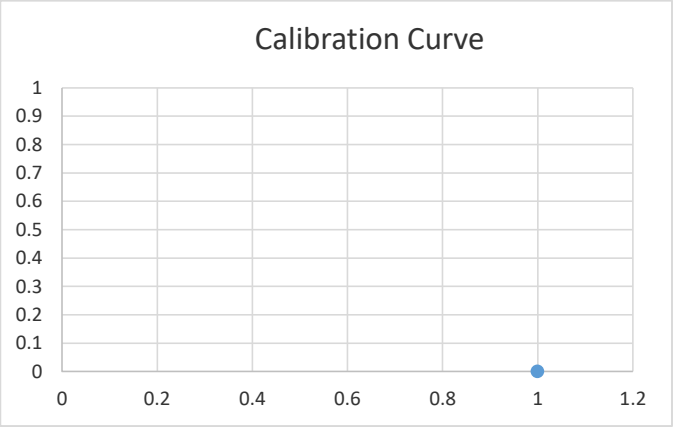
Calibration Curve

STD PPM	Absorbance	
0.01	0.019	
0.025	0.07	
0.05	0.164	
0.1	0.336	
0.2	0.677	

ICV Data	
ICV Concentration (ppm)	0.1
ICV Absorbance	0.351
ICV Calculated Conc. (ppm)	0.1052365
ICV Percent Recovery	105.236502

Calibration Data

Date:	12/30/2024
Slope:	0.288716788
Intercept:	0.003896909
Corr:	0.99991593



Reactive Cyanide

Instrument: SPEC A
Batch: BH52030
Analyst: LJM
Analyzed Date: 8/27/2025
Analyzed Time: 13:21

CCV 85-115%
do not know CCV concentration to calculate %R - provided by email 4/16, page appended

SAMP	QC Source	ABS	DIL	PPM RAW	PPM FINAL
BH52030-BLK1		0	1	0.003896909	0.003896909
CCV		0.184	1	0.057020798	0.057020798
25H1509-03		0	1	0.003896909	0.003896909
25H1509-06		0	1	0.003896909	0.003896909
25H1532-01		0	1	0.003896909	0.003896909
25H1547-01		0	1	0.003896909	0.003896909
25H1557-06		0	1	0.003896909	0.003896909
25H1692-02		0	1	0.003896909	0.003896909
25H1692-04		0	1	0.003896909	0.003896909
25H1699-01		0	1	0.003896909	0.003896909
25H1760-01		0	1	0.003896909	0.003896909
25H1764-01		0	1	0.003896909	0.003896909
25H1764-03		0	1	0.003896909	0.003896909
25H1764-05		0	1	0.003896909	0.003896909
25H1764-07		0	1	0.003896909	0.003896909
25H1768-03		0	1	0.003896909	0.003896909
25H1780-03		0	1	0.003896909	0.003896909
25H1780-06		0	1	0.003896909	0.003896909
25H1780-09		0	1	0.003896909	0.003896909
25H1780-12		0	1	0.003896909	0.003896909
BH52030-DUP1	Duplicate 25H1780-12	0	1	0.003896909	0.003896909
			1		
			1		
			1		
			1		
			1		
CCV		0.184	1	0.057020798	0.057020798

reviewer added page from 4/16 email from Giovanna Deloca

Reactive Cyanide

Instrument: SPEC A
Batch: BH52030
Analyst: LJM
Analyzed Date: 8/27/2025
Analyzed Time: 13:21

CCV True Value
0.05

SAMP	QC Source	ABS	DIL	PPM RAW	PPM FINAL	Recovery
BH52030-BLK1		0	1	0.003896909	0.003896909	
CCV		0.184	1	0.057020798	0.057020798	114
25H1509-03		0	1	0.003896909	0.003896909	
25H1509-06		0	1	0.003896909	0.003896909	
25H1532-01		0	1	0.003896909	0.003896909	
25H1547-01		0	1	0.003896909	0.003896909	
25H1557-06		0	1	0.003896909	0.003896909	
25H1692-02		0	1	0.003896909	0.003896909	
25H1692-04		0	1	0.003896909	0.003896909	
25H1699-01		0	1	0.003896909	0.003896909	
25H1760-01		0	1	0.003896909	0.003896909	
25H1764-01		0	1	0.003896909	0.003896909	
25H1764-03		0	1	0.003896909	0.003896909	
25H1764-05		0	1	0.003896909	0.003896909	
25H1764-07		0	1	0.003896909	0.003896909	
25H1768-03		0	1	0.003896909	0.003896909	
25H1780-03		0	1	0.003896909	0.003896909	
25H1780-06		0	1	0.003896909	0.003896909	
25H1780-09		0	1	0.003896909	0.003896909	
25H1780-12		0	1	0.003896909	0.003896909	
BH52030-DUP1	Duplicate 25H1780-12	0	1	0.003896909	0.003896909	
			1			
			1			
			1			
			1			
			1			
CCV		0.184	1	0.057020798	0.057020798	114

BH52030

Total/Amenable/Reactive Cyanide Calibration DATA

Instrument: **SPEC A**

WaveLenght 578 nm
Light Path: 1 cm
Filter: No
Method: Distill / colormetric

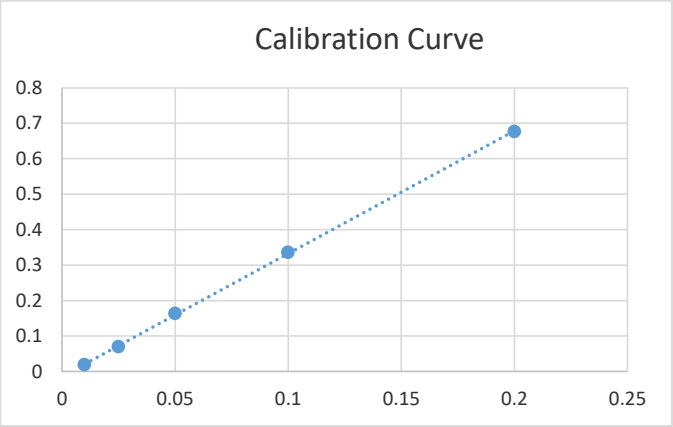
Analyst: Stacey Lecza

Calibration Curve

STD PPM	Absorbance	
0.01	0.019	
0.025	0.07	
0.05	0.164	
0.1	0.336	
0.2	0.677	

Calibration Data

Date:	12/30/2024
Slope:	0.288716788
Intercept:	0.003896909
Corr:	0.99991593



ICV Data	
ICV Concentration (ppm)	0.1
ICV Absorbance	0.351
ICV Calculated Conc. (ppm)	0.1052365
ICV Percent Recovery	105.236502

R2>0.995
ICV %R 85-115%

METHOD DETECTION AND REPORTING LIMITS

EPA SW-846 Ch.7.3.4

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: Soil **Instrument:**

Analyte	LOD	LOQ	Units
Reactivity - Sulfide	15.0	15.0	mg/kg



Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID:** **25H1532-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Wet Chemistry Parameters

Sample Prepared by Method: Analysis Preparation

Results Reported to RL

% Solids: 88.51

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
SREAC	* **Reactivity - Sulfide**	24.0		mg/kg	15.0	15.0	1	EPA SW-846 Ch.7.3.4	08/27/2025 09:25	08/27/2025 13:36	LJM

FORM IV **PREPARATION BATCH SUMMARY**

EPA SW-846 Ch.7.3.4

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Batch:	BH52031	Batch Matrix:	Soil	Preparation:	Analysis Preparation

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC - Spoils	25H1532-01	lfide_BH52031_250827(	08/27/25 09:25	
Blank	BH52031-BLK1	lfide_BH52031_250827(	08/27/25 09:25	

FORM I

METHOD BLANK DATA SHEET

EPA SW-846 Ch.7.3.4

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Project:	JA257006 Task 10.2
Matrix:	Soil	Laboratory ID:	BH52031-BLK1	File ID:	ReactiveSulfide_BH52031_25082
Prepared:	08/27/25 09:25	Preparation:	Analysis Preparation	Initial/Final:	10 g / 50 mL
Analyzed:	08/27/25 13:36	Instrument:	NA		
Batch:	BH52031	Sequence:		Calibration:	

CAS NO.	COMPOUND	CONC. (mg/kg)	Q
SREAC	Reactivity - Sulfide	15.0	U



BENCHSHEETS

SDG: 25H1532

CLASS: WET

METHOD: EPA SW-846 Ch.7.3.4

PREPARATION BENCH SHEET : BH52031

Preparation Date: 08/27/2025 09:25

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1532-01 F	Reactivity-Sulfide	10	50										
BH52031-BLK1	Reactivity-Sulfide	10	50										

Preparations Performed by LJM **Date:** 08/27/2025 09:25

	Instrument		**NA**
Batch: BH52031	Analyzed Date:	8/27/2025	
Analyst: LJM	Analyzed Time:	13:36	

Titrate Normality	**0.025**
Iodine Normality	**0.05**

SAMP	QC Source	Iodine Vol	Titrate Vol	Rsulfid(mg/L)
BH52031-BLK1		2.5	5	0
25H1509-03		2.5	5	0
25H1509-06		2.5	4.8	3.2
25H1532-01		2.5	4.7	4.8
25H1547-01		2.5	4.7	4.8
25H1557-06		2.5	4.7	4.8
25H1692-02		2.5	4.7	4.8
25H1692-04		2.5	4.7	4.8
25H1699-01		2.5	4.5	8
25H1760-01		2.5	4.4	9.6
25H1764-01		2.5	4.6	6.4
25H1764-03		2.5	4.6	6.4
25H1764-05		2.5	4.6	6.4
25H1764-07		2.5	4.5	8
25H1768-03		2.5	4.4	9.6
25H1780-03		2.5	4.4	9.6
25H1780-06		2.5	4.7	4.8
25H1780-09		2.5	4.7	4.8
25H1780-12		2.5	4.3	11.2
BH52031-DUP1		2.5	4.3	11.2

[redacted]

Analysis: Reactive Sulfide

Batch: BH52031

Matrix: Soil
Total Scrubber Vol: 50
Iodine Normality: 0.05
Na2S2O3 Normality: 0.025
Instrument: NA

Analyst: LJM
Analyzed Date: 8/27/25
Analyzed Time: 13:36

Standard/Reagent	Prep Date	Exp Date	Traceability
0.25N NaOH Scrubber Solution			
1.0 N Sulfuric Acid			
Iodine Solution			
6N Hydrochloric Acid			
Sodium Thiosulfate Titrant			
Starch Indicator			

SAMP	QC Source	Inital Sample	Iodine Vol	Titrant Vol
BH52031-BLK1		10g	2.5mL	5mL
25H1509-03				.5mL
25H1509-06				4.8mL
25H1532-01				4.7mL
25H1547-01				4.7mL
25H1557-06				4.7mL
25H1692-02				4.7mL
25H1692-04				4.7mL
25H1699-01				4.5mL
25H1760-01				4.4mL
25H1764-01				4.6mL
25H1764-03				4.6mL
25H1764-05				4.6mL
25H1764-07				4.5mL
25H1768-03				4.4mL
25H1780-03				4.4mL
25H1780-06				4.7mL
25H1780-09				~~4.3mL~~ 4.7mL LSM
25H1780-12				~~4.3~~ 4.3 mL 8/27/25
BH52031-DUP1				4.3 mL

Analysis: Reactive Sulfide

Batch: BH52031

Matrix: Soil
Total Scrubber Vol: 50
Iodine Normality: 0.05
Na2S2O3 Normality: 0.025
Instrument: NA

Analyst: WM
Analyzed Date: 8/27/25
Analyzed Time: 13:36

Standard/Reagent	Prep Date	Exp Date	Traceability
0.25N NaOH Scrubber Solution			
1.0 N Sulfuric Acid			
Iodine Solution			
6N Hydrochloric Acid			
Sodium Thiosulfate Titrant			
Starch Indicator			

SAMP	QC Source	Inital Sample	Iodine Vol	Titrant Vol
BH52031-BLK1		10g	2.5mL	5mL
25H1509-03				5mL
25H1509-06				4.8mL
25H1532-01				4.7mL
25H1547-01				4.7mL
25H1557-06				4.7mL
25H1692-02				4.7mL
25H1692-04				4.7mL
25H1699-01				4.5mL
25H1760-01				4.4mL
25H1764-01				4.6mL
25H1764-03				4.6mL
25H1764-05				4.6mL
25H1764-07				4.5mL
25H1768-03				4.4mL
25H1780-03				4.4mL
25H1780-06				4.7mL
25H1780-09				~~4.3mL~~ 4.7mL LSM
25H1780-12				~~4.3~~ 4.3 mL 8/27/25
BH52031-DUP1				4.3 mL

METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: SOIL **Instrument:** BNA #4

Analyte	LOD	LOQ	Units
1,1-Biphenyl	0.0209	0.0417	mg/kg
1,2,4,5-Tetrachlorobenzene	0.0417	0.0833	mg/kg
1,2,4-Trichlorobenzene	0.0209	0.0417	mg/kg
1,2-Dichlorobenzene	0.0209	0.0417	mg/kg
1,2-Diphenylhydrazine (as Azobenzene)	0.0209	0.0417	mg/kg
1,3-Dichlorobenzene	0.0209	0.0417	mg/kg
1,4-Dichlorobenzene	0.0209	0.0417	mg/kg
2,3,4,6-Tetrachlorophenol	0.0417	0.0833	mg/kg
2,4,5-Trichlorophenol	0.0209	0.0417	mg/kg
2,4,6-Trichlorophenol	0.0209	0.0417	mg/kg
2,4-Dichlorophenol	0.0209	0.0417	mg/kg
2,4-Dimethylphenol	0.0209	0.0417	mg/kg
2,4-Dinitrophenol	0.0417	0.0833	mg/kg
2,4-Dinitrotoluene	0.0209	0.0417	mg/kg
2,6-Dinitrotoluene	0.0209	0.0417	mg/kg
2-Chloronaphthalene	0.0209	0.0417	mg/kg
2-Chlorophenol	0.0209	0.0417	mg/kg
2-Methylnaphthalene	0.0209	0.0417	mg/kg
2-Methylphenol	0.0209	0.0417	mg/kg
2-Nitroaniline	0.0417	0.0833	mg/kg
2-Nitrophenol	0.0209	0.0417	mg/kg
3- & 4-Methylphenols	0.0209	0.0417	mg/kg
3,3-Dichlorobenzidine	0.0209	0.0417	mg/kg
3-Nitroaniline	0.0417	0.0833	mg/kg
4,6-Dinitro-2-methylphenol	0.0417	0.0833	mg/kg
4-Bromophenyl phenyl ether	0.0209	0.0417	mg/kg
4-Chloro-3-methylphenol	0.0209	0.0417	mg/kg
4-Chloroaniline	0.0209	0.0417	mg/kg
4-Chlorophenyl phenyl ether	0.0209	0.0417	mg/kg
4-Nitroaniline	0.0417	0.0833	mg/kg
4-Nitrophenol	0.0417	0.0833	mg/kg
Acenaphthene	0.0209	0.0417	mg/kg
Acenaphthylene	0.0209	0.0417	mg/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: SOIL **Instrument:** BNA #4

Analyte	LOD	LOQ	Units
Acetophenone	0.0209	0.0417	mg/kg
Aniline	0.0835	0.167	mg/kg
Anthracene	0.0209	0.0417	mg/kg
Atrazine	0.0209	0.0417	mg/kg
Benzaldehyde	0.0209	0.0417	mg/kg
Benzidine	0.0835	0.167	mg/kg
Benzo(a)anthracene	0.0209	0.0417	mg/kg
Benzo(a)pyrene	0.0209	0.0417	mg/kg
Benzo(b)fluoranthene	0.0209	0.0417	mg/kg
Benzo(g,h,i)perylene	0.0209	0.0417	mg/kg
Benzo(k)fluoranthene	0.0209	0.0417	mg/kg
Benzoic acid	0.0209	0.0417	mg/kg
Benzyl alcohol	0.0209	0.0417	mg/kg
Benzyl butyl phthalate	0.0209	0.0417	mg/kg
Bis(2-chloroethoxy)methane	0.0209	0.0417	mg/kg
Bis(2-chloroethyl)ether	0.0209	0.0417	mg/kg
Bis(2-chloroisopropyl)ether	0.0209	0.0417	mg/kg
Bis(2-ethylhexyl)phthalate	0.0209	0.0417	mg/kg
Caprolactam	0.0417	0.0833	mg/kg
Carbazole	0.0209	0.0417	mg/kg
Chrysene	0.0209	0.0417	mg/kg
Dibenzo(a,h)anthracene	0.0209	0.0417	mg/kg
Dibenzofuran	0.0209	0.0417	mg/kg
Diethyl phthalate	0.0209	0.0417	mg/kg
Dimethyl phthalate	0.0209	0.0417	mg/kg
Di-n-butyl phthalate	0.0209	0.0417	mg/kg
Di-n-octyl phthalate	0.0209	0.0417	mg/kg
Diphenylamine	0.0417	0.0833	mg/kg
Fluoranthene	0.0209	0.0417	mg/kg
Fluorene	0.0209	0.0417	mg/kg
Hexachlorobenzene	0.0209	0.0417	mg/kg
Hexachlorobutadiene	0.0209	0.0417	mg/kg
Hexachlorocyclopentadiene	0.0209	0.0417	mg/kg
Hexachloroethane	0.0209	0.0417	mg/kg

METHOD DETECTION AND REPORTING LIMITS

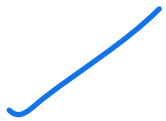
EPA 8270E

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: SOIL **Instrument:** BNA #4

Analyte	LOD	LOQ	Units
Indeno(1,2,3-cd)pyrene	0.0209	0.0417	mg/kg
Isophorone	0.0209	0.0417	mg/kg
Naphthalene	0.0209	0.0417	mg/kg
Nitrobenzene	0.0209	0.0417	mg/kg
N-Nitrosodimethylamine	0.0209	0.0417	mg/kg
N-nitroso-di-n-propylamine	0.0209	0.0417	mg/kg
N-Nitrosodiphenylamine	0.0209	0.0417	mg/kg
Pentachlorophenol	0.0209	0.0417	mg/kg
Phenanthrene	0.0209	0.0417	mg/kg
Phenol	0.0209	0.0417	mg/kg
Pyrene	0.0209	0.0417	mg/kg



METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: SOIL **Instrument:** BNA#2

Analyte	LOD	LOQ	Units
1,1-Biphenyl	0.0209	0.0417	mg/kg
1,2,4,5-Tetrachlorobenzene	0.0417	0.0833	mg/kg
1,2,4-Trichlorobenzene	0.0209	0.0417	mg/kg
1,2-Dichlorobenzene	0.0209	0.0417	mg/kg
1,2-Diphenylhydrazine (as Azobenzene)	0.0209	0.0417	mg/kg
1,3-Dichlorobenzene	0.0209	0.0417	mg/kg
1,4-Dichlorobenzene	0.0209	0.0417	mg/kg
2,3,4,6-Tetrachlorophenol	0.0417	0.0833	mg/kg
2,4,5-Trichlorophenol	0.0209	0.0417	mg/kg
2,4,6-Trichlorophenol	0.0209	0.0417	mg/kg
2,4-Dichlorophenol	0.0209	0.0417	mg/kg
2,4-Dimethylphenol	0.0209	0.0417	mg/kg
2,4-Dinitrophenol	0.0417	0.0833	mg/kg
2,4-Dinitrotoluene	0.0209	0.0417	mg/kg
2,6-Dinitrotoluene	0.0209	0.0417	mg/kg
2-Chloronaphthalene	0.0209	0.0417	mg/kg
2-Chlorophenol	0.0209	0.0417	mg/kg
2-Methylnaphthalene	0.0209	0.0417	mg/kg
2-Methylphenol	0.0209	0.0417	mg/kg
2-Nitroaniline	0.0417	0.0833	mg/kg
2-Nitrophenol	0.0209	0.0417	mg/kg
3- & 4-Methylphenols	0.0209	0.0417	mg/kg
3,3-Dichlorobenzidine	0.0209	0.0417	mg/kg
3-Nitroaniline	0.0417	0.0833	mg/kg
4,6-Dinitro-2-methylphenol	0.0417	0.0833	mg/kg
4-Bromophenyl phenyl ether	0.0209	0.0417	mg/kg
4-Chloro-3-methylphenol	0.0209	0.0417	mg/kg
4-Chloroaniline	0.0209	0.0417	mg/kg
4-Chlorophenyl phenyl ether	0.0209	0.0417	mg/kg
4-Nitroaniline	0.0417	0.0833	mg/kg
4-Nitrophenol	0.0417	0.0833	mg/kg
Acenaphthene	0.0209	0.0417	mg/kg
Acenaphthylene	0.0209	0.0417	mg/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: SOIL **Instrument:** BNA#2

Analyte	LOD	LOQ	Units
Acetophenone	0.0209	0.0417	mg/kg
Aniline	0.0835	0.167	mg/kg
Anthracene	0.0209	0.0417	mg/kg
Atrazine	0.0209	0.0417	mg/kg
Benzaldehyde	0.0209	0.0417	mg/kg
Benzidine	0.0835	0.167	mg/kg
Benzo(a)anthracene	0.0209	0.0417	mg/kg
Benzo(a)pyrene	0.0209	0.0417	mg/kg
Benzo(b)fluoranthene	0.0209	0.0417	mg/kg
Benzo(g,h,i)perylene	0.0209	0.0417	mg/kg
Benzo(k)fluoranthene	0.0209	0.0417	mg/kg
Benzoic acid	0.0209	0.0417	mg/kg
Benzyl alcohol	0.0209	0.0417	mg/kg
Benzyl butyl phthalate	0.0209	0.0417	mg/kg
Bis(2-chloroethoxy)methane	0.0209	0.0417	mg/kg
Bis(2-chloroethyl)ether	0.0209	0.0417	mg/kg
Bis(2-chloroisopropyl)ether	0.0209	0.0417	mg/kg
Bis(2-ethylhexyl)phthalate	0.0209	0.0417	mg/kg
Caprolactam	0.0417	0.0833	mg/kg
Carbazole	0.0209	0.0417	mg/kg
Chrysene	0.0209	0.0417	mg/kg
Dibenzo(a,h)anthracene	0.0209	0.0417	mg/kg
Dibenzofuran	0.0209	0.0417	mg/kg
Diethyl phthalate	0.0209	0.0417	mg/kg
Dimethyl phthalate	0.0209	0.0417	mg/kg
Di-n-butyl phthalate	0.0209	0.0417	mg/kg
Di-n-octyl phthalate	0.0209	0.0417	mg/kg
Diphenylamine	0.0417	0.0833	mg/kg
Fluoranthene	0.0209	0.0417	mg/kg
Fluorene	0.0209	0.0417	mg/kg
Hexachlorobenzene	0.0209	0.0417	mg/kg
Hexachlorobutadiene	0.0209	0.0417	mg/kg
Hexachlorocyclopentadiene	0.0209	0.0417	mg/kg
Hexachloroethane	0.0209	0.0417	mg/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: SOIL **Instrument:** BNA#2

Analyte	LOD	LOQ	Units
Indeno(1,2,3-cd)pyrene	0.0209	0.0417	mg/kg
Isophorone	0.0209	0.0417	mg/kg
Naphthalene	0.0209	0.0417	mg/kg
Nitrobenzene	0.0209	0.0417	mg/kg
N-Nitrosodimethylamine	0.0209	0.0417	mg/kg
N-nitroso-di-n-propylamine	0.0209	0.0417	mg/kg
N-Nitrosodiphenylamine	0.0209	0.0417	mg/kg
Pentachlorophenol	0.0209	0.0417	mg/kg
Phenanthrene	0.0209	0.0417	mg/kg
Phenol	0.0209	0.0417	mg/kg
Pyrene	0.0209	0.0417	mg/kg



Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID: 25H1532-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C Results Reported to MDL % Solids: 88.51

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.186	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.186	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.186	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
91-57-6	**2-Methylnaphthalene**	0.166		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.186	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
65794-96-9	* 3- & 4-Methylphenols	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.186	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.186	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.186	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.186	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
83-32-9	Acenaphthene	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
208-96-8	**Acenaphthylene**	0.0929	J	mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
98-86-2	Acetophenone	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
62-53-3	Aniline	ND		mg/kg dry	0.372	0.186	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
120-12-7	**Anthracene**	0.124		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS

Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID: 25H1532-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

extract 14 days

analyze 40 days ✓

Sample Prepared by Method: EPA 3550C

Results Reported to MDL

% Solids: 88.51

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
92-87-5	Benzidine	ND		mg/kg dry	0.372	0.186	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
56-55-3	**Benzo(a)anthracene**	0.316		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
50-32-8	**Benzo(a)pyrene**	0.259		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
205-99-2	**Benzo(b)fluoranthene**	0.177		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
191-24-2	**Benzo(g,h,i)perylene**	0.200		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
207-08-9	**Benzo(k)fluoranthene**	0.187		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
65-85-0	Benzoic acid	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
117-81-7	**Bis(2-ethylhexyl)phthalate**	0.0780	J	mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
105-60-2	Caprolactam	ND		mg/kg dry	0.186	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
86-74-8	Carbazole	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
218-01-9	**Chrysene**	0.343		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
53-70-3	**Dibenzo(a,h)anthracene**	0.0468	J	mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
122-39-4	Diphenylamine	ND		mg/kg dry	0.186	0.0930	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
206-44-0	**Fluoranthene**	0.418		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
86-73-7	**Fluorene**	0.0587	J	mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
193-39-5	**Indeno(1,2,3-cd)pyrene**	0.111		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
78-59-1	Isophorone	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
91-20-3	**Naphthalene**	0.227		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS

Sample Information

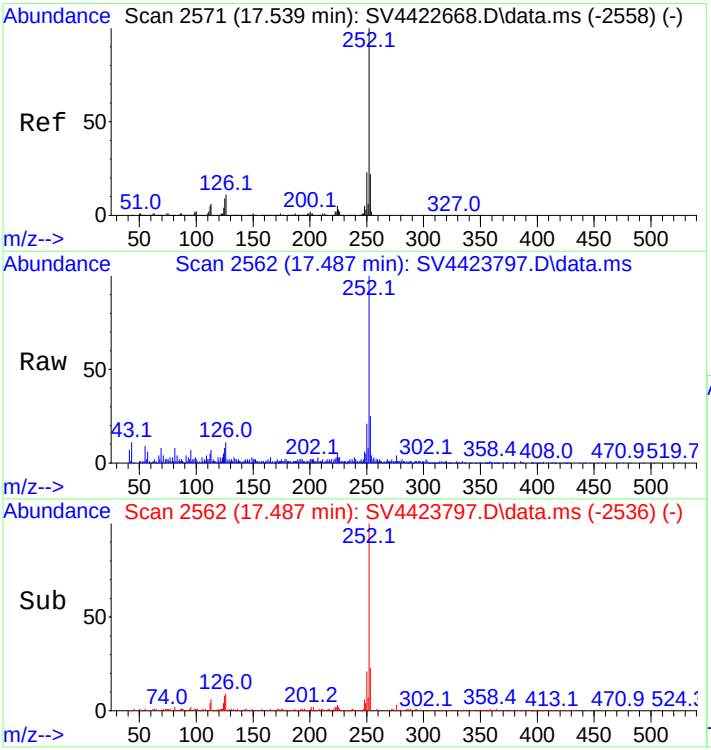
Client Sample ID: **HVAC - Spoils** **Sample ID: 25H1532-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C Results Reported to MDL % Solids: 88.51

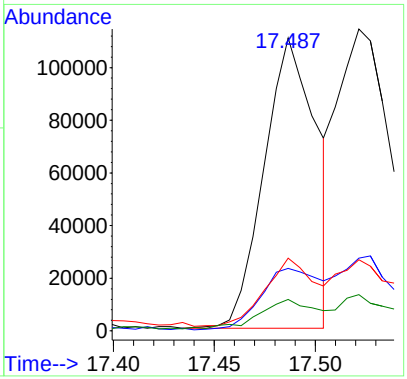
CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
86-30-6	**N-Nitrosodiphenylamine**	0.0491	J	mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
85-01-8	**Phenanthrene**	0.315		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
108-95-2	Phenol	ND		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
129-00-0	**Pyrene**	0.823		mg/kg dry	0.0930	0.0466	2	EPA 8270E	08/26/2025 09:04	08/28/2025 01:13	SS
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*54.0 %*			*19-110*						
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*45.9 %*			*21-113*						
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*57.1 %*			*20-108*						
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*42.6 %*			*22-108*						
13127-88-3	*Surrogate: SURR: Phenol-d6*	*46.3 %*			*23-114*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*52.4 %*			*24-116*						

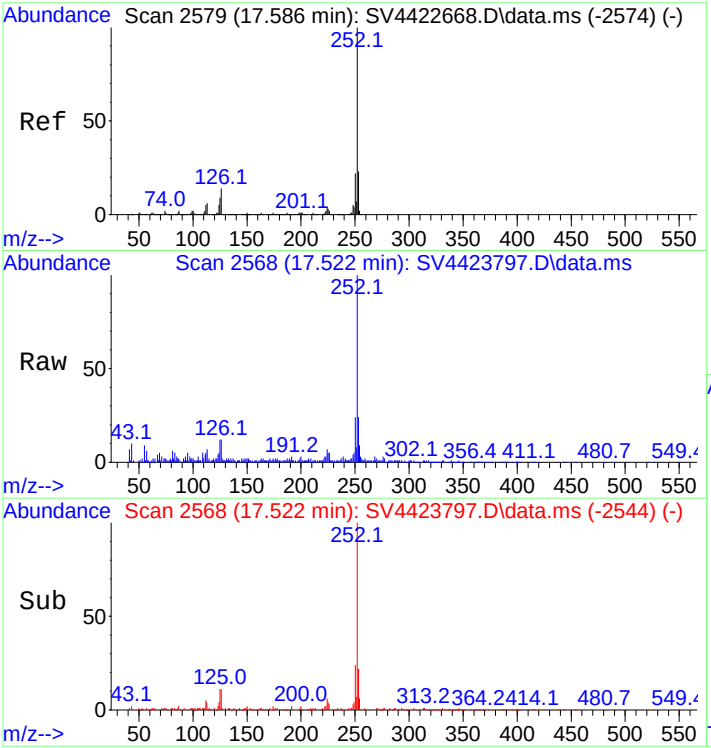


#90
Benzo(b)fluoranthene
Concen: 2.38 ug/mL
RT: 17.487 min Scan# 2562
Delta R.T. -0.000 min
Lab File: SV4423797.D
Acq: 28 Aug 2025 1:13 am

Tgt Ion:252 Resp: 197995

Ion	Ratio	Lower	Upper
252	100		
250	23.8	19.2	28.8
253	22.1	19.0	28.4
126	10.6	8.7	13.1

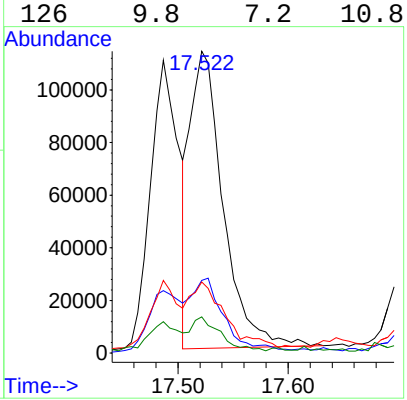




#91
Benzo(k)fluoranthene
Concen: 2.52 ug/mL
RT: 17.522 min Scan# 2568
Delta R.T. -0.011 min
Lab File: SV4423797.D
Acq: 28 Aug 2025 1:13 am

Tgt Ion:252 Resp: 238323

Ion	Ratio	Lower	Upper
252	100		
250	23.9	15.8	23.8#
253	22.6	15.6	23.4
126	9.8	7.2	10.8



isomers not well resolved, qualify both J:IN

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H2722	Instrument:	BNA#2
Batch:	BH51930	Calibration:	SH50050

Surrogate Compound	Spike Level mg/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (BH51930-BLK1)			Lab File ID: E20027360.D		Analyzed: 08/27/25 13:31			
SURR: 2-Fluorophenol	1.67	50.1	20 - 108	4.614	4.601714	0.0123	+/-0.50	
SURR: Phenol-d6	1.67	45.3	23 - 114	5.264	5.251143	0.0129	+/-0.50	
SURR: Nitrobenzene-d5	0.833	48.2	22 - 108	5.933	5.928	0.0050	+/-0.50	
SURR: 2-Fluorobiphenyl	0.833	43.1	21 - 113	7.385	7.375	0.0100	+/-0.50	
SURR: 2,4,6-Tribromophenol	1.67	59.3	19 - 110	9.231	9.208428	0.0226	+/-0.50	
SURR: Terphenyl-d14	0.833	50.5	24 - 116	13.544	13.51186	0.0321	+/-0.50	
LCS (BH51930-BS1)			Lab File ID: E20027361.D		Analyzed: 08/27/25 14:02			
SURR: 2-Fluorophenol	1.67	77.7	20 - 108	4.614	4.601714	0.0123	+/-0.50	
SURR: Phenol-d6	1.67	75.7	23 - 114	5.264	5.251143	0.0129	+/-0.50	
SURR: Nitrobenzene-d5	0.833	73.4	22 - 108	5.933	5.928	0.0050	+/-0.50	
SURR: 2-Fluorobiphenyl	0.833	76.4	21 - 113	7.385	7.375	0.0100	+/-0.50	
SURR: 2,4,6-Tribromophenol	1.67	96.6	19 - 110	9.231	9.208428	0.0226	+/-0.50	
SURR: Terphenyl-d14	0.833	92.7	24 - 116	13.544	13.51186	0.0321	+/-0.50	
HVAC - Spoils (25H1532-01)			Lab File ID: SV4423797.D		Analyzed: 08/28/25 01:13			
SURR: 2-Fluorophenol	1.86	57.1	20 - 108	4.408	4.409	-0.0010	+/-0.50	
SURR: Phenol-d6	1.86	46.3	23 - 114	5.205	5.2	0.0050	+/-0.50	
SURR: Nitrobenzene-d5	0.929	42.6	22 - 108	5.961	5.950667	0.0103	+/-0.50	
SURR: 2-Fluorobiphenyl	0.929	45.9	21 - 113	7.602	7.596	0.0060	+/-0.50	
SURR: 2,4,6-Tribromophenol	1.86	54.0	19 - 110	9.516	9.51	0.0060	+/-0.50	
SURR: Terphenyl-d14	0.929	52.4	24 - 116	12.978	12.974	0.0040	+/-0.50	





FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BH51930	Laboratory ID:	BH51930-BS1
Preparation:	EPA 3550C	Initial/Final:	30 g / 1 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
1,1-Biphenyl	0.833	0.699	83.9	18 - 111	
1,2,4,5-Tetrachlorobenzene	0.833	0.772	92.6	21 - 131	
1,2,4-Trichlorobenzene	0.833	0.705	84.6	10 - 140	
1,2-Dichlorobenzene	0.833	0.650	78.0	34 - 108	
1,2-Diphenylhydrazine (as Azobenzene)	0.833	0.679	81.5	17 - 137	
1,3-Dichlorobenzene	0.833	0.629	75.5	33 - 110	
1,4-Dichlorobenzene	0.833	0.640	76.8	32 - 104	
2,3,4,6-Tetrachlorophenol	0.833	0.897	108	30 - 130	
2,4,5-Trichlorophenol	0.833	0.781	93.7	27 - 118	
2,4,6-Trichlorophenol	0.833	0.770	92.4	31 - 120	
2,4-Dichlorophenol	0.833	0.768	92.1	20 - 127	
2,4-Dimethylphenol	0.833	0.688	82.6	14 - 132	
2,4-Dinitrophenol	0.833	0.148	17.8	10 - 171	
2,4-Dinitrotoluene	0.833	0.832	99.9	34 - 131	
2,6-Dinitrotoluene	0.833	0.868	104	31 - 128	
2-Chloronaphthalene	0.833	0.691	82.9	31 - 117	
2-Chlorophenol	0.833	0.672	80.6	33 - 113	
2-Methylnaphthalene	0.833	0.663	79.6	12 - 138	
2-Methylphenol	0.833	0.629	75.5	10 - 136	
2-Nitroaniline	0.833	0.816	98.0	27 - 132	
2-Nitrophenol	0.833	0.758	91.0	17 - 129	
3- & 4-Methylphenols	0.833	0.629	75.5	29 - 103	
3,3-Dichlorobenzidine	0.833	0.762	91.4	22 - 149	
3-Nitroaniline	0.833	0.742	89.1	20 - 133	
4,6-Dinitro-2-methylphenol	0.833	0.329	39.5	10 - 143	
4-Bromophenyl phenyl ether	0.833	0.733	87.9	29 - 120	
4-Chloro-3-methylphenol	0.833	0.799	95.9	24 - 129	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BH51930	Laboratory ID:	BH51930-BS1
Preparation:	EPA 3550C	Initial/Final:	30 g / 1 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
4-Chloroaniline	0.833	0.594	71.3	10 - 132	
4-Chlorophenyl phenyl ether	0.833	0.741	88.9	27 - 124	
4-Nitroaniline	0.833	0.723	86.7	16 - 128	
4-Nitrophenol	0.833	0.670	80.4	10 - 141	
Acenaphthene	0.833	0.672	80.7	30 - 121	
Acenaphthylene	0.833	0.737	88.4	30 - 115	
Acetophenone	0.833	0.706	84.7	20 - 112	
Aniline	0.833	0.549	65.8	10 - 119	
Anthracene	0.833	0.674	80.9	34 - 118	
Atrazine	0.833	0.799	95.8	26 - 112	
Benzaldehyde	0.833	0.529	63.5	21 - 100	
Benzo(a)anthracene	0.833	0.786	94.3	32 - 122	
Benzo(a)pyrene	0.833	0.652	78.3	29 - 133	
Benzo(b)fluoranthene	0.833	0.701	84.1	25 - 133	
Benzo(g,h,i)perylene	0.833	0.793	95.2	10 - 143	
Benzo(k)fluoranthene	0.833	0.664	79.7	25 - 128	
Benzoic acid qualify UJ:LC-	0.833	0.0587	7.04 *	10 - 140	
Benzyl alcohol	0.833	0.654	78.4	30 - 115	
Benzyl butyl phthalate	0.833	0.825	99.0	26 - 126	
Bis(2-chloroethoxy)methane	0.833	0.663	79.5	19 - 132	
Bis(2-chloroethyl)ether	0.833	0.552	66.3	19 - 125	
Bis(2-chloroisopropyl)ether	0.833	0.618	74.2	20 - 135	
Bis(2-ethylhexyl)phthalate	0.833	0.685	82.2	10 - 155	
Caprolactam	0.833	0.789	94.7	10 - 127	
Carbazole	0.833	0.663	79.6	35 - 123	
Chrysene	0.833	0.735	88.2	32 - 123	
Dibenzo(a,h)anthracene	0.833	0.806	96.7	10 - 136	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BH51930	Laboratory ID:	BH51930-BS1
Preparation:	EPA 3550C	Initial/Final:	30 g / 1 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
Dibenzofuran	0.833	0.730	87.6	29 - 121	
Diethyl phthalate	0.833	0.761	91.3	34 - 116	
Dimethyl phthalate	0.833	0.755	90.6	35 - 124	
Di-n-butyl phthalate	0.833	0.703	84.4	31 - 116	
Di-n-octyl phthalate	0.833	0.649	77.9	26 - 136	
Diphenylamine	0.833	0.796	95.5	40 - 140	
Fluoranthene	0.833	0.674	80.9	33 - 122	
Fluorene	0.833	0.719	86.2	29 - 123	
Hexachlorobenzene	0.833	0.741	89.0	21 - 124	
Hexachlorobutadiene	0.833	0.755	90.6	10 - 149	
Hexachlorocyclopentadiene	0.833	0.246	29.5	10 - 129	
Hexachloroethane	0.833	0.642	77.0	28 - 108	
Indeno(1,2,3-cd)pyrene	0.833	0.754	90.4	10 - 135	
Isophorone	0.833	0.689	82.7	20 - 132	
Naphthalene	0.833	0.710	85.2	23 - 124	
Nitrobenzene	0.833	0.684	82.1	13 - 132	
N-Nitrosodimethylamine	0.833	0.492	59.0	11 - 129	
N-nitroso-di-n-propylamine	0.833	0.642	77.1	24 - 119	
N-Nitrosodiphenylamine	0.833	0.763	91.5	22 - 152	
Pentachlorophenol	0.833	0.632	75.8	10 - 139	
Phenanthrene	0.833	0.705	84.6	33 - 123	
Phenol	0.833	0.694	83.3	23 - 115	
Pyrene	0.833	0.877	105	24 - 130	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Batch:	BH51930 Batch Matrix: Soil	Preparation:	EPA 3550C

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC - Spoils	25H1532-01	SV4423797.D	08/26/25 09:04	rocky
Blank	BH51930-BLK1	E20027360.D	08/26/25 09:04	
LCS	BH51930-BS1	E20027361.D	08/26/25 09:04	

FORM I

METHOD BLANK DATA SHEET

EPA 8270E

CLEAN BLANK

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51930-BLK1
Project:	JA257006 Task 10.2			Calibration:	SH50050
Preparation:	EPA 3550C	Prepared:	08/26/25 09:04	File ID:	E20027360.D
Instrument:	BNA#2	Analyzed:	08/27/25 13:31	Initial/Final:	30 g / 1 mL
Batch:	BH51930	Sequence:	S5H2722	Matrix:	Soil

Analyzed by: ALS Environmental - Stratford

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg wet	0.0833	0.0417	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
95-50-1	1,2-Dichlorobenzene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
541-73-1	1,3-Dichlorobenzene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
106-46-7	1,4-Dichlorobenzene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg wet	0.0833	0.0417	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
120-83-2	2,4-Dichlorophenol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
105-67-9	2,4-Dimethylphenol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
51-28-5	2,4-Dinitrophenol	ND		mg/kg wet	0.0833	0.0417	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
121-14-2	2,4-Dinitrotoluene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
606-20-2	2,6-Dinitrotoluene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
91-58-7	2-Chloronaphthalene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
95-57-8	2-Chlorophenol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
91-57-6	2-Methylnaphthalene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
95-48-7	2-Methylphenol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
88-74-4	2-Nitroaniline	ND		mg/kg wet	0.0833	0.0417	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
88-75-5	2-Nitrophenol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
65794-96-9	3- & 4-Methylphenols	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
99-09-2	3-Nitroaniline	ND		mg/kg wet	0.0833	0.0417	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg wet	0.0833	0.0417	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
106-47-8	4-Chloroaniline	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
100-01-6	4-Nitroaniline	ND		mg/kg wet	0.0833	0.0417	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
100-02-7	4-Nitrophenol	ND		mg/kg wet	0.0833	0.0417	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
83-32-9	Acenaphthene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
208-96-8	Acenaphthylene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
98-86-2	Acetophenone	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
62-53-3	Aniline	ND		mg/kg wet	0.167	0.0835	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
120-12-7	Anthracene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
1912-24-9	Atrazine	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
100-52-7	Benzaldehyde	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
92-87-5	Benzidine	ND		mg/kg wet	0.167	0.0835	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
56-55-3	Benzo(a)anthracene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
50-32-8	Benzo(a)pyrene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
205-99-2	Benzo(b)fluoranthene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	

FORM I

METHOD BLANK DATA SHEET
EPA 8270E

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51930-BLK1
Project:	JA257006 Task 10.2			Calibration:	SH50050
Preparation:	EPA 3550C	Prepared:	08/26/25 09:04	File ID:	E20027360.D
Instrument:	BNA#2	Analyzed:	08/27/25 13:31	Initial/Final:	30 g / 1 mL
Batch:	BH51930	Sequence:	S5H2722	Matrix:	Soil

Semivolatile Organic Compounds by GC/MS
Sample Prepared by Method: EPA 3550C

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
65-85-0	Benzoic acid	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
100-51-6	Benzyl alcohol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
85-68-7	Benzyl butyl phthalate	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
105-60-2	Caprolactam	ND		mg/kg wet	0.0833	0.0417	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
86-74-8	Carbazole	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
218-01-9	Chrysene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
132-64-9	Dibenzofuran	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
84-66-2	Diethyl phthalate	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
131-11-3	Dimethyl phthalate	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
84-74-2	Di-n-butyl phthalate	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
117-84-0	Di-n-octyl phthalate	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
122-39-4	Diphenylamine	ND		mg/kg wet	0.0833	0.0417	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
206-44-0	Fluoranthene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
86-73-7	Fluorene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
118-74-1	Hexachlorobenzene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
87-68-3	Hexachlorobutadiene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
67-72-1	Hexachloroethane	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
78-59-1	Isophorone	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
91-20-3	Naphthalene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
98-95-3	Nitrobenzene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
62-75-9	N-Nitrosodimethylamine	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
87-86-5	Pentachlorophenol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
85-01-8	Phenanthrene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
108-95-2	Phenol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
129-00-0	Pyrene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	

	Surrogate Recoveries	Result	Acceptance Range
118-79-6	SURR: 2,4,6-Tribromophenol	*59.3 %*	*19-110*
321-60-8	SURR: 2-Fluorobiphenyl	*43.1 %*	*21-113*
367-12-4	SURR: 2-Fluorophenol	*50.1 %*	*20-108*
4165-60-0	SURR: Nitrobenzene-d5	*48.2 %*	*22-108*
13127-88-3	SURR: Phenol-d6	*45.3 %*	*23-114*
1718-51-0	SURR: Terphenyl-d14	*50.5 %*	*24-116*

FORM I

METHOD BLANK DATA SHEET

EPA 8270E

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51930-BLK1
Project:	JA257006 Task 10.2			Calibration:	SH50050
Preparation:	EPA 3550C	Prepared:	08/26/25 09:04	File ID:	E20027360.D
Instrument:	BNA#2	Analyzed:	08/27/25 13:31	Initial/Final:	30 g / 1 mL
Batch:	BH51930	Sequence:	S5H2722	Matrix:	Soil

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Lab File ID:	E20027269.D	Injection Date:	08/24/25
Instrument ID:	BNA#2	Injection Time:	17:37
Sequence:	S5H2508	Lab Sample ID:	S5H2508-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10 - 80% of 198	42.4	PASS
68	Less than 2% of 69	0	PASS
69	Less than 100% of 198	57.4	PASS
70	Less than 2% of 69	0.994	PASS
127	10 - 80% of 198	60.4	PASS
197	Less than 2% of 198	0.584	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.98	PASS
275	10 - 60% of 198	28.4	PASS
365	1 - 100% of 198	3.53	PASS
441	0.01 - 24% of 442	17.3	PASS
442	50 - 100% of 198	87.5	PASS
443	15 - 24% of 442	19.5	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Lab File ID:	SV4423728.D	Injection Date:	08/26/25
Instrument ID:	BNA #4	Injection Time:	08:45
Sequence:	S5H2714	Lab Sample ID:	S5H2714-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10 - 80% of 198	42.7	PASS
68	Less than 2% of 69	0	PASS
69	Less than 100% of 198	52.7	PASS
70	Less than 2% of 69	0.616	PASS
127	10 - 80% of 198	50.9	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.12	PASS
275	10 - 60% of 198	31.1	PASS
365	1 - 100% of 198	3.9	PASS
441	0.01 - 24% of 442	15.2	PASS
442	50 - 100% of 198	82.1	PASS
443	15 - 24% of 442	19	PASS



FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Lab File ID:	E20027350.D	Injection Date:	08/27/25
Instrument ID:	BNA#2	Injection Time:	08:21
Sequence:	S5H2722	Lab Sample ID:	S5H2722-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10 - 80% of 198	56.8	PASS
68	Less than 2% of 69	1.07	PASS
69	Less than 100% of 198	68.2	PASS
70	Less than 2% of 69	1.33	PASS
127	10 - 80% of 198	66.6	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.74	PASS
275	10 - 60% of 198	31.2	PASS
365	1 - 100% of 198	4.1	PASS
441	0.01 - 24% of 442	18.5	PASS
442	50 - 100% of 198	79.8	PASS
443	15 - 24% of 442	19.9	PASS

FORM V **MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK**

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Lab File ID:	SV4423779a.D	Injection Date:	08/27/25
Instrument ID:	BNA #4	Injection Time:	15:39
Sequence:	S5H2832	Lab Sample ID:	S5H2832-TUN1

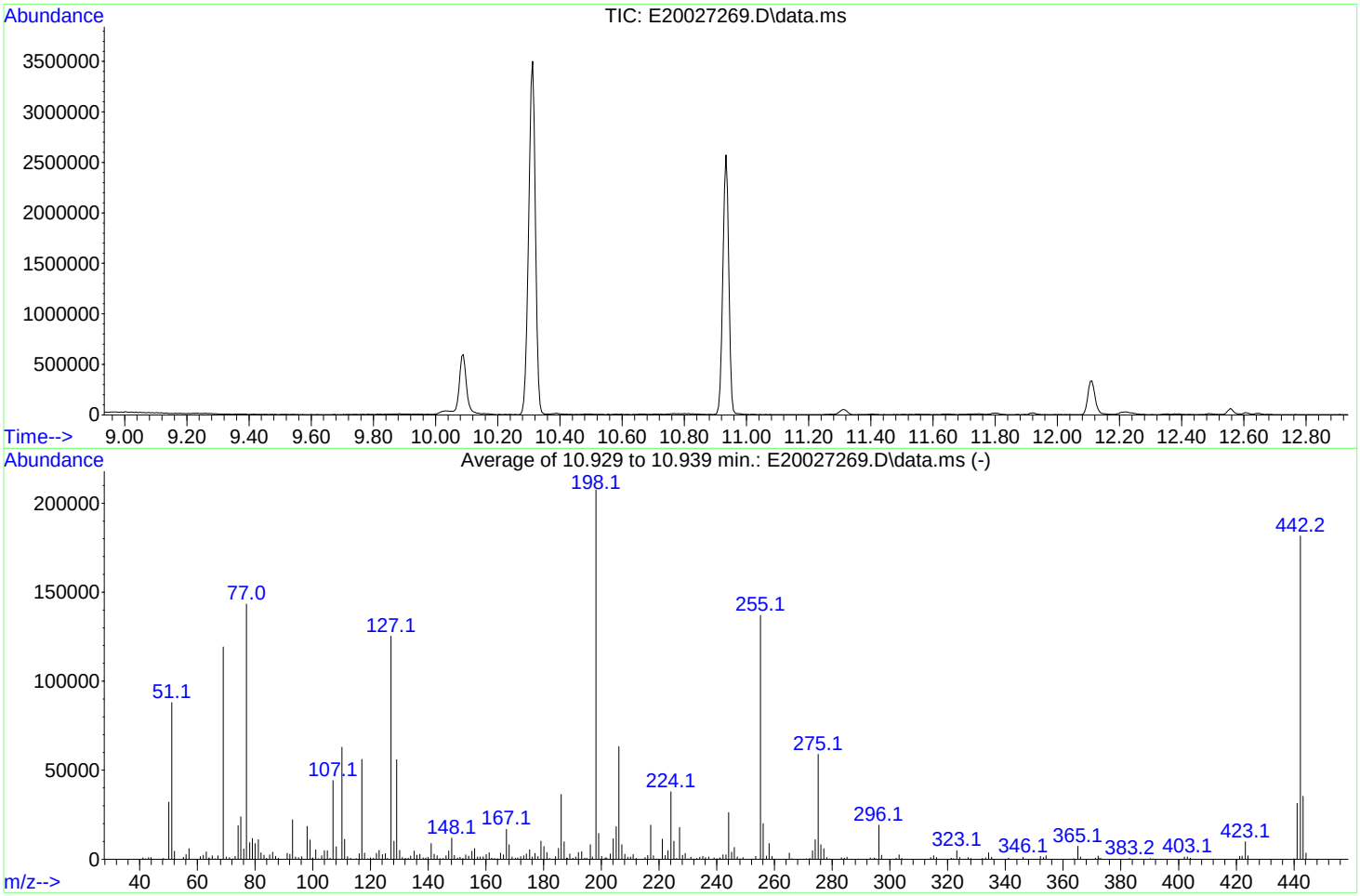
m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10 - 80% of 198	41.5	PASS
68	Less than 2% of 69	0.648	PASS
69	Less than 100% of 198	51.7	PASS
70	Less than 2% of 69	0.6	PASS
127	10 - 80% of 198	50.1	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.05	PASS
275	10 - 60% of 198	32	PASS
365	1 - 100% of 198	4	PASS
441	0.01 - 24% of 442	15.3	PASS
442	50 - 100% of 198	75.8	PASS
443	15 - 24% of 442	19.2	PASS



Data Path : C:\msdchem\1\data\082425\
Data File : E20027269.D
Acq On : 24 Aug 2025 5:37 pm
Operator : SS
Sample : SEQ-TUN1
Misc :
ALS Vial : 42 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\BNA2-082425.M
Title : GC MS BNA 2 8270D
Last Update : Mon Aug 25 12:16:01 2025
InstName : BNA#2



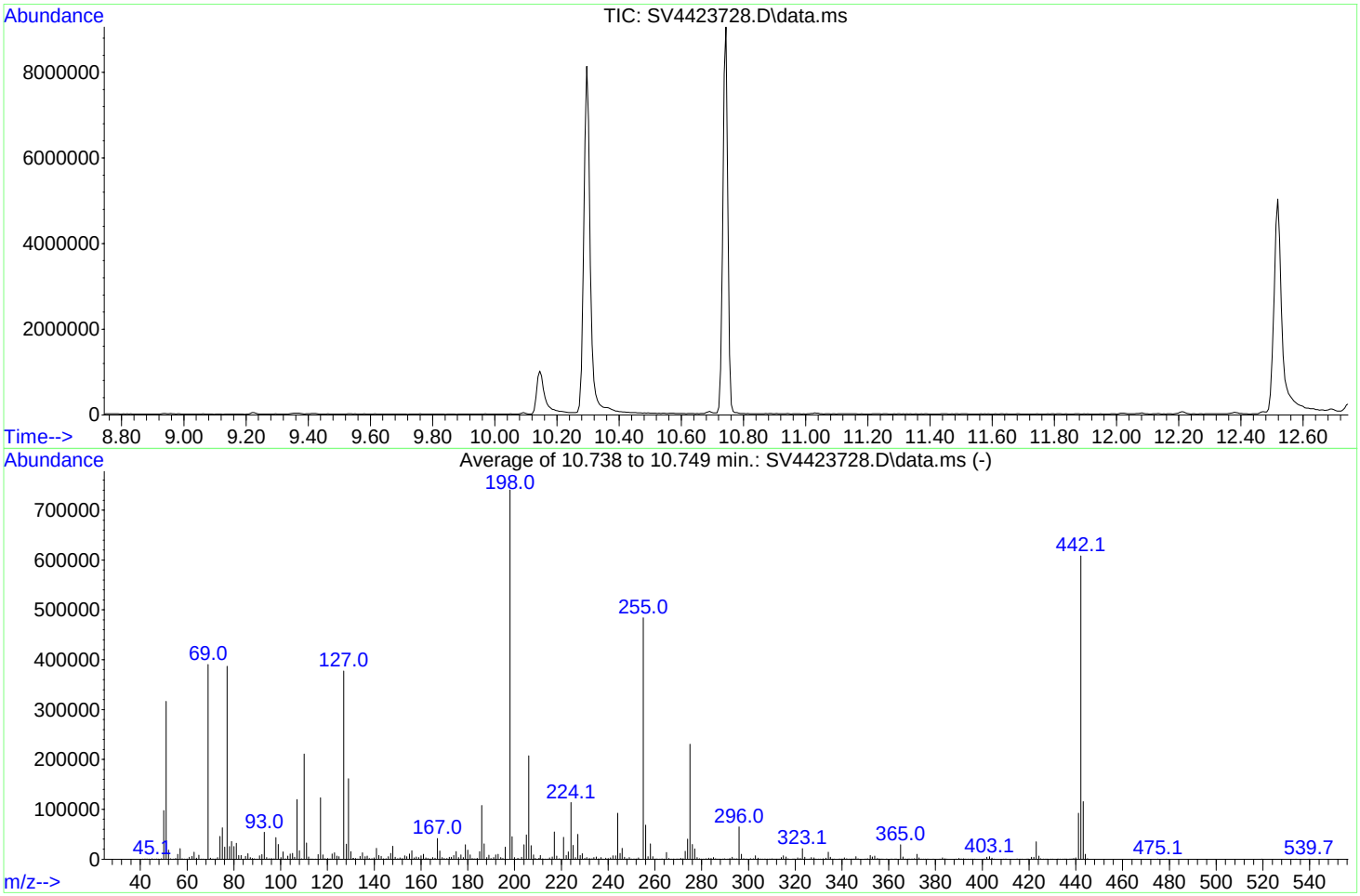
Spectrum Information: Average of 10.929 to 10.939 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.4	88069	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	57.4	119203	PASS
70	69	0.00	2	1.0	1185	PASS
127	198	10	80	60.4	125341	PASS
197	198	0.00	2	0.6	1212	PASS
198	198	100	100	100.0	207552	PASS
199	198	5	9	7.0	14486	PASS
275	198	10	60	28.4	58912	PASS
365	198	1	100	3.5	7336	PASS
441	442	0.01	24	17.3	31328	PASS
442	198	50	100	87.5	181589	PASS
443	442	15	24	19.5	35421	PASS

Data Path : C:\msdchem\1\data\082625\
Data File : SV4423728.D
InstName : BNA #4
Acq On   : 26 Aug 2025   8:45 am
Operator : SS
Sample   : SEQ-TUN1
Misc   : TUN1
ALS Vial : 1   Sample Multiplier: 1

Integration File: rteint.p

Method   : C:\msdchem\1\methods\BNA4SCAN082625.M
Title   : 8270E Semi Volatiles Calibration
Last Update : Tue Aug 26 20:42:59 2025



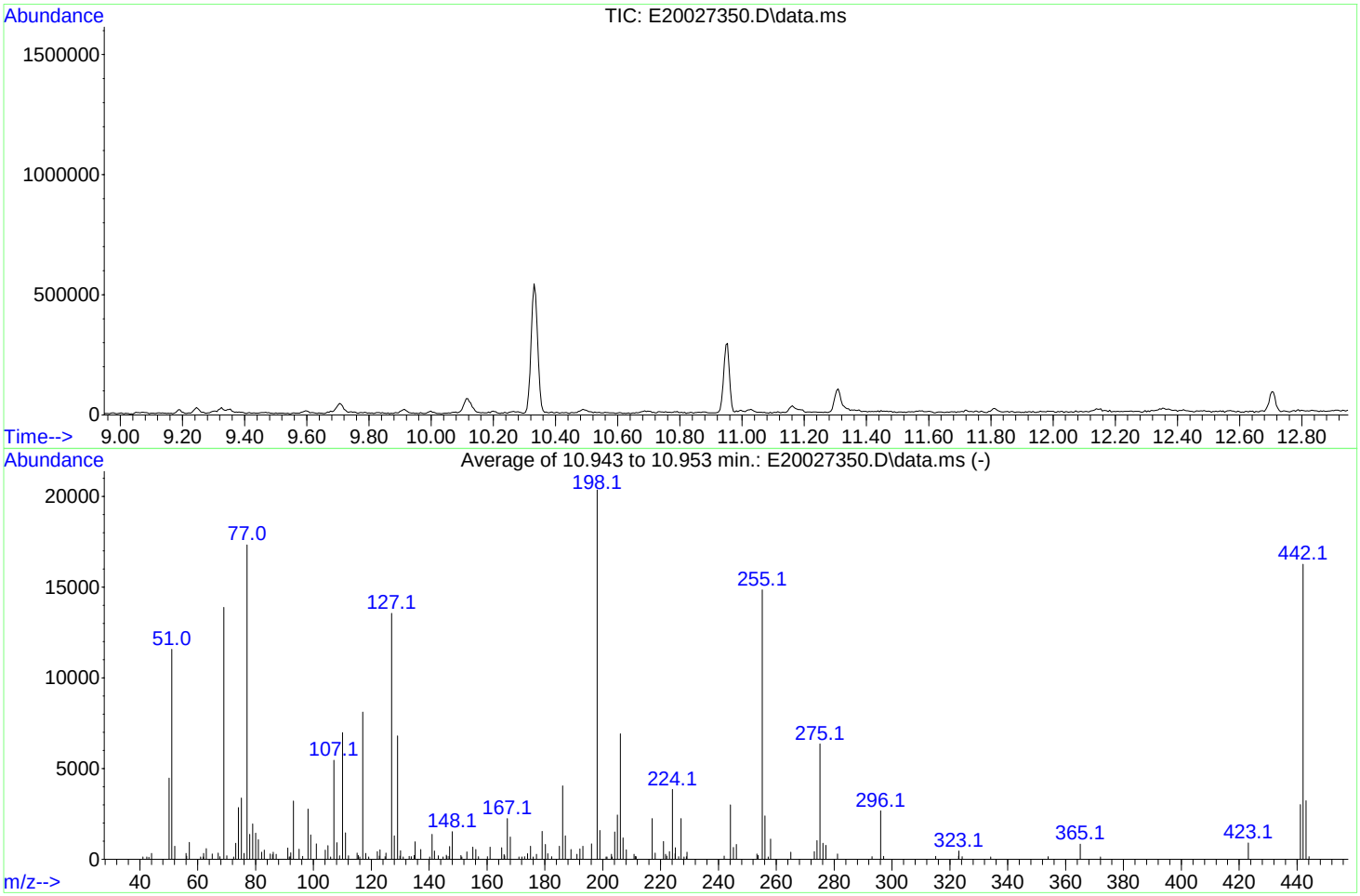
Spectrum Information: Average of 10.738 to 10.749 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.7	316545	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	52.7	390624	PASS
70	69	0.00	2	0.6	2405	PASS
127	198	10	80	50.9	377086	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	740821	PASS
199	198	5	9	6.1	45327	PASS
275	198	10	60	31.1	230464	PASS
365	198	1	100	3.9	28917	PASS
441	442	0.01	24	15.2	92416	PASS
442	198	50	100	82.1	608235	PASS
443	442	15	24	19.0	115541	PASS

Data Path : C:\msdchem\1\data\082725\
Data File : E20027350.D
Acq On : 27 Aug 2025 8:21 am
Operator : SS
Sample : SEQ-TUN1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\BNA2-082425.M
Title : GC MS BNA 2 8270D
Last Update : Mon Aug 25 13:46:18 2025
InstName : BNA#2



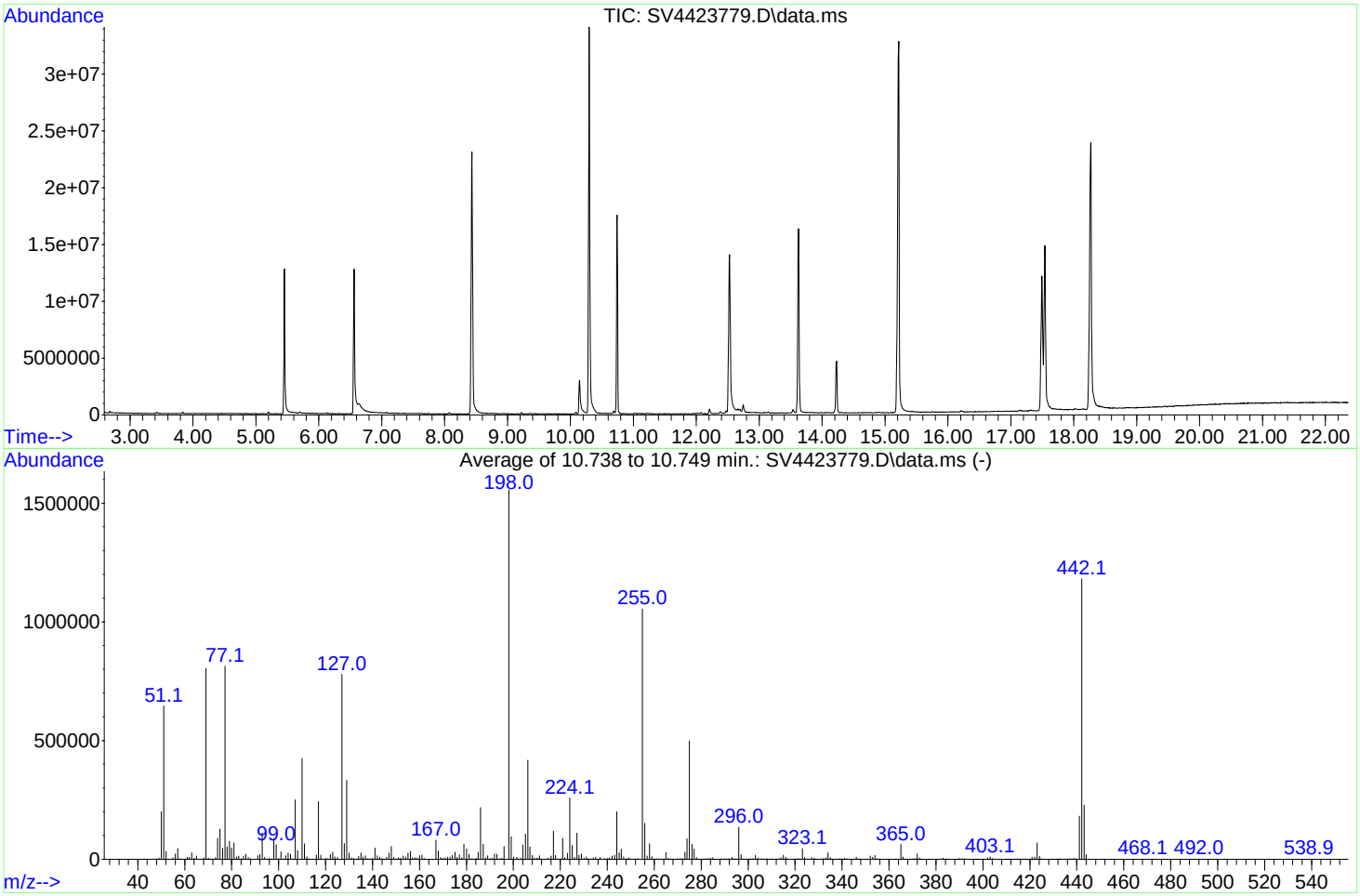
Spectrum Information: Average of 10.943 to 10.953 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	56.8	11564	PASS
68	69	0.00	2	1.1	148	PASS
69	198	0.00	100	68.2	13884	PASS
70	69	0.00	2	1.3	184	PASS
127	198	10	80	66.6	13559	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	20368	PASS
199	198	5	9	7.7	1577	PASS
275	198	10	60	31.2	6362	PASS
365	198	1	100	4.1	835	PASS
441	442	0.01	24	18.5	3010	PASS
442	198	50	100	79.8	16263	PASS
443	442	15	24	19.9	3231	PASS

Data Path : C:\msdchem\1\data\082725\
Data File : SV4423779.D
InstName : BNA #4
Acq On   : 27 Aug 2025   3:39 pm
Operator : SS
Sample   : SEQ-TUN1
Misc   :
ALS Vial : 1   Sample Multiplier: 1

Integration File: rteint.p

Method   : C:\msdchem\1\methods\BNA4SCAN082625.M
Title   : 8270E Semi Volatiles Calibration
Last Update : Tue Aug 26 20:42:59 2025



Spectrum Information: Average of 10.738 to 10.749 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.5	646381	PASS
68	69	0.00	2	0.6	5209	PASS
69	198	0.00	100	51.7	804250	PASS
70	69	0.00	2	0.6	4823	PASS
127	198	10	80	50.1	779382	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1556308	PASS
199	198	5	9	6.0	94147	PASS
275	198	10	60	32.0	497984	PASS
365	198	1	100	4.0	62200	PASS
441	442	0.01	24	15.3	180587	PASS
442	198	50	100	75.8	1179989	PASS
443	442	15	24	19.2	226880	PASS

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

assoc QC samples only

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2508

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: BNA#2

Calibration: SH50050

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H2508-TUN1	E20027269.D	08/24/25 17:37
Cal Standard	S5H2508-CAL2	E20027271.D	08/24/25 18:39
Cal Standard	S5H2508-CAL3	E20027272.D	08/24/25 19:10
Cal Standard	S5H2508-CAL4	E20027273.D	08/24/25 19:41
Cal Standard	S5H2508-CAL5	E20027274.D	08/24/25 20:12
Cal Standard	S5H2508-CAL6	E20027275.D	08/24/25 20:43
Cal Standard	S5H2508-CAL7	E20027276.D	08/24/25 21:14
Cal Standard	S5H2508-CAL8	E20027277.D	08/24/25 21:46
Secondary Cal Check	S5H2508-SCV1	E20027278.D	08/24/25 22:17
Secondary Cal Check	S5H2508-SCV2	E20027279.D	08/24/25 22:48



FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H2714	Instrument:	BNA #4
		Calibration:	SH50055

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H2714-TUN1	SV4423728.D	08/26/25 08:45
Cal Standard	S5H2714-CAL3	SV4423733.D	08/26/25 16:12
Cal Standard	S5H2714-CAL4	SV4423734.D	08/26/25 16:42
Cal Standard	S5H2714-CAL5	SV4423735.D	08/26/25 17:12
Cal Standard	S5H2714-CAL6	SV4423736.D	08/26/25 17:42
Cal Standard	S5H2714-CAL7	SV4423737.D	08/26/25 18:12
Cal Standard	S5H2714-CAL8	SV4423738.D	08/26/25 18:41
Secondary Cal Check	S5H2714-SCV1	SV4423739.D	08/26/25 19:11
Secondary Cal Check	S5H2714-SCV2	SV4423740.D	08/26/25 19:40



FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H2722	Instrument:	BNA#2
		Calibration:	SH50050

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H2722-TUN1	E20027350.D	08/27/25 08:21
Calibration Check	S5H2722-CCV1	E20027351.D	08/27/25 08:52
Blank	BH51930-BLK1	E20027360.D	08/27/25 13:31
LCS	BH51930-BS1	E20027361.D	08/27/25 14:02



FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H2832	Instrument:	BNA #4
		Calibration:	SH50055

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H2832-TUN1	SV4423779a.D	08/27/25 15:39
Calibration Check	S5H2832-CCV1	SV4423784a.D	08/27/25 18:39
HVAC - Spoils	25H1532-01	SV4423797.D	08/28/25 01:13

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2508

SDG: 25H1532
Project: JA257006 Task 10.2
Instrument: BNA#2
Calibration: SH50050

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H2508-CAL2)			Lab File ID: E20027271.D			Analyzed: 08/24/25 18:39			
ISTD: 1,4-Dichlorobenzene-d4	194042	5.506	170500	5.506	114	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	781423	6.45	723004	6.45	108	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	514381	8.144	437549	8.139	118	50 - 200	0.0050	+/-0.50	
ISTD: Phenanthrene-d10	1002165	10.303	872843	10.303	115	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	1220380	15.878	1138866	15.878	107	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	1386709	19.015	1325556	19.01	105	50 - 200	0.0050	+/-0.50	
Cal Standard (S5H2508-CAL3)			Lab File ID: E20027272.D			Analyzed: 08/24/25 19:10			
ISTD: 1,4-Dichlorobenzene-d4	223614	5.506	170500	5.506	131	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	883201	6.45	723004	6.45	122	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	599047	8.144	437549	8.139	137	50 - 200	0.0050	+/-0.50	
ISTD: Phenanthrene-d10	1171540	10.303	872843	10.303	134	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	1418120	15.878	1138866	15.878	125	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	1573834	19.015	1325556	19.01	119	50 - 200	0.0050	+/-0.50	
Cal Standard (S5H2508-CAL4)			Lab File ID: E20027273.D			Analyzed: 08/24/25 19:41			
ISTD: 1,4-Dichlorobenzene-d4	213289	5.506	170500	5.506	125	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	870698	6.45	723004	6.45	120	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	558597	8.144	437549	8.139	128	50 - 200	0.0050	+/-0.50	
ISTD: Phenanthrene-d10	1107322	10.303	872843	10.303	127	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	1310337	15.878	1138866	15.878	115	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	1429316	19.01	1325556	19.01	108	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H2508-CAL5)			Lab File ID: E20027274.D			Analyzed: 08/24/25 20:12			
ISTD: 1,4-Dichlorobenzene-d4	183055	5.506	170500	5.506	107	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	751699	6.45	723004	6.45	104	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	471173	8.139	437549	8.139	108	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	981559	10.303	872843	10.303	112	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	1153231	15.874	1138866	15.878	101	50 - 200	-0.0040	+/-0.50	
ISTD: Perylene-d12	1280139	19.01	1325556	19.01	97	50 - 200	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2508

SDG: 25H1532
Project: JA257006 Task 10.2
Instrument: BNA#2
Calibration: SH50050

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H2508-CAL6)			Lab File ID: E20027275.D			Analyzed: 08/24/25 20:43			
ISTD: 1,4-Dichlorobenzene-d4	177917	5.506	170500	5.506	104	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	753862	6.45	723004	6.45	104	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	529729	8.139	437549	8.139	121	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	959269	10.303	872843	10.303	110	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	1149246	15.878	1138866	15.878	101	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	1383394	19.01	1325556	19.01	104	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H2508-CAL7)			Lab File ID: E20027276.D			Analyzed: 08/24/25 21:14			
ISTD: 1,4-Dichlorobenzene-d4	170500	5.506	170500	5.506	100	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	723004	6.45	723004	6.45	100	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	437549	8.139	437549	8.139	100	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	872843	10.303	872843	10.303	100	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	1138866	15.878	1138866	15.878	100	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	1325556	19.01	1325556	19.01	100	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H2508-CAL8)			Lab File ID: E20027277.D			Analyzed: 08/24/25 21:46			
ISTD: 1,4-Dichlorobenzene-d4	152183	5.506	170500	5.506	89	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	676063	6.45	723004	6.45	94	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	461634	8.139	437549	8.139	106	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	915861	10.303	872843	10.303	105	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	1019369	15.878	1138866	15.878	90	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	1076084	19.01	1325556	19.01	81	50 - 200	0.0000	+/-0.50	
Secondary Cal Check (S5H2508-SCV1)			Lab File ID: E20027278.D			Analyzed: 08/24/25 22:17			
ISTD: 1,4-Dichlorobenzene-d4	164572	5.506	170500	5.506	97	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	623982	6.45	723004	6.45	86	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	414084	8.144	437549	8.139	95	50 - 200	0.0050	+/-0.50	
ISTD: Phenanthrene-d10	916027	10.303	872843	10.303	105	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	965044	15.878	1138866	15.878	85	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	1064821	19.01	1325556	19.01	80	50 - 200	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2508

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: BNA#2

Calibration: SH50050

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Secondary Cal Check (S5H2508-SCV2)			Lab File ID: E20027279.D			Analyzed: 08/24/25 22:48			
ISTD: 1,4-Dichlorobenzene-d4	154784	5.506	170500	5.506	91	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	618586	6.45	723004	6.45	86	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	421676	8.139	437549	8.139	96	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	841934	10.303	872843	10.303	96	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	1073001	15.873	1138866	15.878	94	50 - 200	-0.0050	+/-0.50	
ISTD: Perylene-d12	1170333	19.01	1325556	19.01	88	50 - 200	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2714

SDG: 25H1532
Project: JA257006 Task 10.2
Instrument: BNA #4
Calibration: SH50055

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H2714-CAL3)			Lab File ID: SV4423733.D			Analyzed: 08/26/25 16:12			
ISTD: 1,4-Dichlorobenzene-d4	661770	5.449	690027	5.449	96	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	2780829	6.555	3121364	6.561	89	50 - 200	-0.0060	+/-0.50	
ISTD: Acenaphthene-d10	2034306	8.428	1926954	8.428	106	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	4269019	10.296	3969209	10.296	108	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	4605081	15.2	4853569	15.2	95	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	4191305	18.249	4147005	18.249	101	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H2714-CAL4)			Lab File ID: SV4423734.D			Analyzed: 08/26/25 16:42			
ISTD: 1,4-Dichlorobenzene-d4	655695	5.449	690027	5.449	95	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	2799882	6.555	3121364	6.561	90	50 - 200	-0.0060	+/-0.50	
ISTD: Acenaphthene-d10	2109879	8.428	1926954	8.428	109	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	4481925	10.29	3969209	10.296	113	50 - 200	-0.0060	+/-0.50	
ISTD: Chrysene-d12	4823821	15.2	4853569	15.2	99	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	4149113	18.249	4147005	18.249	100	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H2714-CAL5)			Lab File ID: SV4423735.D			Analyzed: 08/26/25 17:12			
ISTD: 1,4-Dichlorobenzene-d4	636997	5.449	690027	5.449	92	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	2752057	6.555	3121364	6.561	88	50 - 200	-0.0060	+/-0.50	
ISTD: Acenaphthene-d10	1911376	8.428	1926954	8.428	99	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	3774453	10.296	3969209	10.296	95	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	4463714	15.2	4853569	15.2	92	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	3999814	18.249	4147005	18.249	96	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H2714-CAL6)			Lab File ID: SV4423736.D			Analyzed: 08/26/25 17:42			
ISTD: 1,4-Dichlorobenzene-d4	633273	5.449	690027	5.449	92	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	2749903	6.554	3121364	6.561	88	50 - 200	-0.0070	+/-0.50	
ISTD: Acenaphthene-d10	1843500	8.428	1926954	8.428	96	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	3868478	10.295	3969209	10.296	97	50 - 200	-0.0010	+/-0.50	
ISTD: Chrysene-d12	4669926	15.2	4853569	15.2	96	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	4215331	18.249	4147005	18.249	102	50 - 200	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2714

SDG: 25H1532
Project: JA257006 Task 10.2
Instrument: BNA #4
Calibration: SH50055

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H2714-CAL7)			Lab File ID: SV4423737.D			Analyzed: 08/26/25 18:12			
ISTD: 1,4-Dichlorobenzene-d4	690027	5.449	690027	5.449	100	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	3121364	6.561	3121364	6.561	100	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	1926954	8.428	1926954	8.428	100	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	3969209	10.296	3969209	10.296	100	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	4853569	15.2	4853569	15.2	100	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	4147005	18.249	4147005	18.249	100	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H2714-CAL8)			Lab File ID: SV4423738.D			Analyzed: 08/26/25 18:41			
ISTD: 1,4-Dichlorobenzene-d4	819561	5.449	690027	5.449	119	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	3880412	6.561	3121364	6.561	124	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	2510796	8.428	1926954	8.428	130	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	5114459	10.296	3969209	10.296	129	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	5935960	15.206	4853569	15.2	122	50 - 200	0.0060	+/-0.50	
ISTD: Perylene-d12	5080727	18.255	4147005	18.249	123	50 - 200	0.0060	+/-0.50	
Secondary Cal Check (S5H2714-SCV1)			Lab File ID: SV4423739.D			Analyzed: 08/26/25 19:11			
ISTD: 1,4-Dichlorobenzene-d4	666024	5.449	690027	5.449	97	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	2870448	6.561	3121364	6.561	92	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	2210924	8.428	1926954	8.428	115	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	4601256	10.296	3969209	10.296	116	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	5261590	15.2	4853569	15.2	108	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	4680674	18.249	4147005	18.249	113	50 - 200	0.0000	+/-0.50	
Secondary Cal Check (S5H2714-SCV2)			Lab File ID: SV4423740.D			Analyzed: 08/26/25 19:40			
ISTD: 1,4-Dichlorobenzene-d4	593478	5.449	690027	5.449	86	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	2425283	6.555	3121364	6.561	78	50 - 200	-0.0060	+/-0.50	
ISTD: Acenaphthene-d10	1862109	8.428	1926954	8.428	97	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	3980600	10.296	3969209	10.296	100	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	4721923	15.194	4853569	15.2	97	50 - 200	-0.0060	+/-0.50	
ISTD: Perylene-d12	4027723	18.243	4147005	18.249	97	50 - 200	-0.0060	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2722

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: BNA#2

Calibration: SH50050

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5H2722-CCV1)			Lab File ID: E20027351.D			Analyzed: 08/27/25 08:52			
ISTD: 1,4-Dichlorobenzene-d4	150626	5.515	170500	5.506	88	50 - 200	0.0090	+/-0.50	
ISTD: Naphthalene-d8	653195	6.464	723004	6.45	90	50 - 200	0.0140	+/-0.50	
ISTD: Acenaphthene-d10	448010	8.158	437549	8.139	102	50 - 200	0.0190	+/-0.50	
ISTD: Phenanthrene-d10	927889	10.331	872843	10.303	106	50 - 200	0.0280	+/-0.50	
ISTD: Chrysene-d12	794827	15.935	1138866	15.878	70	50 - 200	0.0570	+/-0.50	
ISTD: Perylene-d12	670326	19.076	1325556	19.01	51	50 - 200	0.0660	+/-0.50	
Blank (BH51930-BLK1)			Lab File ID: E20027360.D			Analyzed: 08/27/25 13:31			
ISTD: 1,4-Dichlorobenzene-d4	137657	5.515	150626	5.515	91	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	534137	6.46	653195	6.464	82	50 - 200	-0.0040	+/-0.50	
ISTD: Acenaphthene-d10	373500	8.154	448010	8.158	83	50 - 200	-0.0040	+/-0.50	
ISTD: Phenanthrene-d10	785816	10.322	927889	10.331	85	50 - 200	-0.0090	+/-0.50	
ISTD: Chrysene-d12	930622	15.916	794827	15.935	117	50 - 200	-0.0190	+/-0.50	
ISTD: Perylene-d12	873241	19.067	670326	19.076	130	50 - 200	-0.0090	+/-0.50	
LCS (BH51930-BS1)			Lab File ID: E20027361.D			Analyzed: 08/27/25 14:02			
ISTD: 1,4-Dichlorobenzene-d4	161862	5.515	150626	5.515	107	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	635345	6.46	653195	6.464	97	50 - 200	-0.0040	+/-0.50	
ISTD: Acenaphthene-d10	434735	8.158	448010	8.158	97	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	862413	10.327	927889	10.331	93	50 - 200	-0.0040	+/-0.50	
ISTD: Chrysene-d12	809181	15.921	794827	15.935	102	50 - 200	-0.0140	+/-0.50	
ISTD: Perylene-d12	734647	19.067	670326	19.076	110	50 - 200	-0.0090	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2832

SDG: 25H1532
Project: JA257006 Task 10.2
Instrument: BNA #4
Calibration: SH50055

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5H2832-CCV1)			Lab File ID: SV4423784a.D			Analyzed: 08/27/25 18:39			
ISTD: 1,4-Dichlorobenzene-d4	450052	5.455	690027	5.449	65	50 - 200	0.0060	+/-0.50	
ISTD: Naphthalene-d8	2128075	6.561	3121364	6.561	68	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	1420247	8.434	1926954	8.428	74	50 - 200	0.0060	+/-0.50	
ISTD: Phenanthrene-d10	3085582	10.296	3969209	10.296	78	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	3441812	15.212	4853569	15.2	71	50 - 200	0.0120	+/-0.50	
ISTD: Perylene-d12	3031726	18.261	4147005	18.249	73	50 - 200	0.0120	+/-0.50	
HVAC - Spoils (25H1532-01)			Lab File ID: SV4423797.D			Analyzed: 08/28/25 01:13			
ISTD: 1,4-Dichlorobenzene-d4	468742	5.455	450052	5.455	104	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	1762750	6.56	2128075	6.561	83	50 - 200	-0.0010	+/-0.50	
ISTD: Acenaphthene-d10	1576068	8.434	1420247	8.434	111	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	3114159	10.296	3085582	10.296	101	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	3183590	15.212	3441812	15.212	92	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	2722981	18.26	3031726	18.261	90	50 - 200	-0.0010	+/-0.50	

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E

assoc QC samples only

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50050

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: BNA#2

Calibration Date: 08/24/25 00:17

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
1,1-Biphenyl	2.5	0.7733101	5	0.8655748	10	0.7893705	15	0.7196451	20	0.7160643	30	0.7209158
1,2,4,5-Tetrachlorobenzene	2.5	0.640428	5	0.6851015	10	0.6153703	15	0.6414176	20	0.5791603	30	0.5951242
1,2,4-Trichlorobenzene	2.5	0.3991692	5	0.4406698	10	0.3827045	15	0.3400155	20	0.3454505	30	0.3359981
1,2-Dichlorobenzene	2.5	1.699096	5	1.759389	10	1.658463	15	1.39904	20	1.478768	30	1.455163
1,2-Diphenylhydrazine (as Azobenzene)	2.5	0.9485703	5	1.025413	10	0.922998	15	0.8171762	20	0.8947667	30	0.8460766
1,3-Dichlorobenzene	2.5	1.825419	5	1.919558	10	1.718626	15	1.486431	20	1.564347	30	1.510796
1,4-Dichlorobenzene	2.5	1.843642	5	1.935192	10	1.759584	15	1.506156	20	1.558862	30	1.528688
1-Methylnaphthalene	2.5	0.8661736	5	0.9571366	10	0.8470951	15	0.7583603	20	0.8406685	30	0.7202745
2,3,4,6-Tetrachlorophenol	2.5	0.121062	5	0.1622043	10	0.1683647	15	0.1434547	20	0.1714499	30	0.1784242
2,4,5-Trichlorophenol	2.5	0.3501529	5	0.4795751	10	0.4392147	15	0.4215861	20	0.4199506	30	0.4220632
2,4,6-Trichlorophenol	2.5	0.3586447	5	0.3994344	10	0.3981976	15	0.378222	20	0.3785067	30	0.3800321
2,4-Dichlorophenol	2.5	0.3131313	5	0.353034	10	0.322532	15	0.2821023	20	0.2986807	30	0.2847969
2,4-Dimethylphenol	2.5	0.324229	5	0.3528891	10	0.3200788	15	0.2950543	20	0.2942369	30	0.2770957
2,4-Dinitrophenol	2.5	2.074727E-02	5	5.563503E-02	10	8.023674E-02	15	7.025304E-02	20	9.655881E-02	30	0.1157082
2,4-Dinitrotoluene	2.5	0.2507402	5	0.3321008	10	0.3535286	15	0.3089538	20	0.3552307	30	0.4038771
2,6-Dinitrotoluene	2.5	0.2045799	5	0.2525211	10	0.2825078	15	0.2700155	20	0.2800451	30	0.291917
2-Chloronaphthalene	2.5	1.242472	5	1.344723	10	1.264733	15	1.159857	20	1.156497	30	1.136412
2-Chlorophenol	2.5	1.491306	5	1.601868	10	1.476326	15	1.305954	20	1.357093	30	1.313095
2-Methylnaphthalene	2.5	0.872951	5	0.9709953	10	0.8332947	15	0.7697088	20	0.7798854	30	0.7276788
2-Methylphenol	2.5	1.750549	5	1.950039	10	1.788784	15	1.632573	20	1.687495	30	1.611363
2-Nitroaniline	2.5	0.2758111	5	0.3532945	10	0.3552114	15	0.3423682	20	0.3424808	30	0.3662432
2-Nitrophenol	2.5	0.1450277	5	0.1803712	10	0.1717059	15	0.160958	20	0.1650886	30	0.1673149
3- & 4-Methylphenols	2.5	1.750549	5	1.950039	10	1.788784	15	1.632573	20	1.687495	30	1.611363
3,3-Dichlorobenzidine	2.5	0.4066406	5	0.5154261	10	0.4020218	15	0.5225481	20	0.503732	30	0.4950129
3-Nitroaniline	2.5	0.2606939	5	0.3062731	10	0.3199444	15	0.2863435	20	0.3141002	30	0.3221978
4,6-Dinitro-2-methylphenol	2.5	0.0501155	5	7.196681E-02	10	7.767208E-02	15	7.821028E-02	20	9.321056E-02	30	0.1055768
4-Bromophenyl phenyl ether	2.5	0.2586241	5	0.2734111	10	0.2588154	15	0.2214138	20	0.2611176	30	0.2378755
4-Chloro-3-methylphenol	2.5	0.3271775	5	0.3898818	10	0.3414318	15	0.3162684	20	0.331111	30	0.3103072

FORM VI INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50050
Instrument: BNA#2
Calibration Date: 08/24/25 00:17

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
4-Chloroaniline	2.5	0.4670249	5	0.5335773	10	0.4750533	15	0.4047826	20	0.428792	30	0.4058548
4-Chlorophenyl phenyl ether	2.5	0.8527531	5	0.903248	10	0.8292347	15	0.7743115	20	0.7665882	30	0.7807705
4-Nitroaniline	2.5	0.268688	5	0.3356665	10	0.3335929	15	0.321603	20	0.3197597	30	0.3417431
4-Nitrophenol	2.5	0.2186706	5	0.2864149	10	0.2851644	15	0.2439302	20	0.2934293	30	0.3227189
Acenaphthene	2.5	1.305367	5	1.387898	10	1.283086	15	1.075432	20	1.157143	30	1.17219
Acenaphthylene	2.5	2.075224	5	2.179288	10	2.097276	15	1.927083	20	1.892247	30	1.867872
Acetophenone	2.5	2.109811	5	2.197465	10	1.949955	15	2.019968	20	1.845692	30	1.836301
Alpha Terpineol	2.5	0.2273186	5	0.2510414	10	0.2278953	15	0.2015275	20	0.2004876	30	0.1853563
Aniline	2.5	1.829295	5	1.925854	10	1.771099	15	1.610372	20	1.582761	30	1.557677
Anthracene	2.5	1.284946	5	1.380672	10	1.253489	15	1.115507	20	1.186207	30	1.148509
Atrazine	2.5	0.2587518	5	0.2816737	10	0.2507852	15	0.2526484	20	0.257027	30	0.2483898
Benzaldehyde	2.5	1.127014	5	1.149302	10	1.022763	15	1.029782	20	0.9357847	30	0.8997537
Benzidine	2.5	0.5122031	5	0.6431125	10	0.4628861	15	0.6741901	20	0.6133087	30	0.6523693
Benzo(a)anthracene	2.5	1.536793	5	1.571749	10	1.448623	15	1.33308	20	1.355323	30	1.329537
Benzo(a)pyrene	2.5	1.461342	5	1.57163	10	1.423844	15	1.314577	20	1.465399	30	1.42969
Benzo(b)fluoranthene	2.5	1.494682	5	1.608355	10	1.463501	15	1.33774	20	1.56209	30	1.478131
Benzo(g,h,i)perylene	2.5	1.263884	5	1.311305	10	1.227174	15	1.119233	20	1.12875	30	1.124006
Benzo(k)fluoranthene	2.5	1.525689	5	1.593168	10	1.451764	15	1.347636	20	1.490723	30	1.473303
Benzoic acid	2.5	6.808092E-02	5	0.1186683	10	0.1365755	15	0.140386	20	0.1651973	30	0.1819501
Benzyl alcohol	2.5	0.8662867	5	0.9592959	10	0.872225	15	0.7798021	20	0.8204949	30	0.7801916
Benzyl butyl phthalate	2.5	0.5686622	5	0.644724	10	0.5896346	15	0.5480116	20	0.5535316	30	0.5518097
Bis(2-chloroethoxy)methane	2.5	0.3947465	5	0.4454615	10	0.3799434	15	0.3502359	20	0.3396325	30	0.3175934
Bis(2-chloroethyl)ether	2.5	1.290525	5	1.380343	10	1.240083	15	1.08728	20	1.093915	30	1.072031
Bis(2-chloroisopropyl)ether	2.5	0.6211439	5	0.6424642	10	0.6028065	15	0.5656296	20	0.5572036	30	0.523652
Bis(2-ethylhexyl)phthalate	2.5	0.7825366	5	0.8803881	10	0.8164373	15	0.7426671	20	0.7606117	30	0.7535168
Caprolactam	2.5	0.1257194	5	0.1385143	10	0.1141797	15	0.1207043	20	0.1098212	30	0.1093512
Carbazole	2.5	1.234032	5	1.308848	10	1.181694	15	1.066801	20	1.202618	30	1.095287
Chrysene	2.5	1.391134	5	1.496364	10	1.362465	15	1.201519	20	1.246255	30	1.211779

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50050

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: BNA#2

Calibration Date: 08/24/25 00:17

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Dibenzo(a,h)anthracene	2.5	1.337348	5	1.383241	10	1.293738	15	1.190731	20	1.211259	30	1.203854
Dibenzofuran	2.5	1.913321	5	2.01878	10	1.885502	15	1.546982	20	1.629354	30	1.695457
Diethyl phthalate	2.5	1.58572	5	1.772722	10	1.619894	15	1.387284	20	1.499129	30	1.520726
Dimethyl phthalate	2.5	1.581925	5	1.759822	10	1.610843	15	1.486407	20	1.461925	30	1.4683
Di-n-butyl phthalate	2.5	1.384315	5	1.536583	10	1.403873	15	1.259683	20	1.4032	30	1.367114
Di-n-octyl phthalate	2.5	1.446369	5	1.604598	10	1.471692	15	1.36093	20	1.416745	30	1.535492
Diphenylamine	2.5	0.6473026	5	0.7007255	10	0.6352804	15	0.5672038	20	0.5995878	30	0.5802433
Fluoranthene	2.5	1.583021	5	1.756191	10	1.620544	15	1.441606	20	1.459582	30	1.554396
Fluorene	2.5	1.595113	5	1.715471	10	1.596149	15	1.488569	20	1.468139	30	1.461868
Hexachlorobenzene	2.5	0.11915	5	0.1337931	10	0.1231223	15	0.1127105	20	0.1234961	30	0.1173957
Hexachlorobutadiene	2.5	0.2398701	5	0.2688584	10	0.2375657	15	0.2138516	20	0.2231602	30	0.2094465
Hexachlorocyclopentadiene	2.5	0.3080985	5	0.3729791	10	0.3657521	15	0.3559287	20	0.3724621	30	0.3967129
Hexachloroethane	2.5	0.7084652	5	0.771043	10	0.7061968	15	0.6355394	20	0.6526526	30	0.6156246
Indeno(1,2,3-cd)pyrene	2.5	1.658649	5	1.734516	10	1.626445	15	1.490438	20	1.52616	30	1.530837
Isophorone	2.5	0.7606226	5	0.8927073	10	0.7690657	15	0.6915676	20	0.6939546	30	0.6490697
Naphthalene	2.5	1.20494	5	1.328957	10	1.154968	15	1.004565	20	1.029647	30	0.9710228
Nitrobenzene	2.5	0.4240674	5	0.4739216	10	0.4239174	15	0.3955732	20	0.3962343	30	0.3772298
N-Nitrosodimethylamine	2.5	0.8021356	5	0.856297	10	0.7852257	15	0.6930376	20	0.6867472	30	0.7232923
N-nitroso-di-n-propylamine	2.5	1.266777	5	1.439981	10	1.297338	15	1.184518	20	1.18625	30	1.154901
N-Nitrosodiphenylamine	2.5	0.2633658	5	0.2963416	10	0.2653501	15	0.2411891	20	0.2496568	30	0.2461886
Parathion	2.5	6.681534E-02	5	9.799751E-02	10	0.1035652	15	9.955591E-02	20	0.1161197	30	0.1357083
Pentachloronitrobenzene	2.5	8.365888E-02	5	0.1052222	10	0.1093882	15	9.961568E-02	20	0.1172872	30	0.115778
Pentachlorophenol	2.5	6.389367E-02	5	0.1023269	10	0.1050282	15	0.1095889	20	0.1334329	30	0.1353737
Phenanthrene	2.5	1.305254	5	1.380159	10	1.249992	15	1.10213	20	1.127492	30	1.141378
Phenol	2.5	1.601715	5	1.666228	10	1.554173	15	1.411131	20	1.405037	30	1.353681
Pyrene	2.5	1.339766	5	1.510975	10	1.386236	15	1.259774	20	1.23671	30	1.22547
Pyridine	2.5	1.188031	5	1.170374	10	1.211783	15	1.090965	20	1.098849	30	1.199828
SURR: 2,4,6-Tribromophenol	2.5	8.185478E-02	5	0.106267	10	9.675596E-02	15	8.672462E-02	20	9.970717E-02	30	9.094572E-02
SURR: 2-Fluorobiphenyl	2.5	1.570851	5	1.679868	10	1.529281	15	1.42204	20	1.410144	30	1.384909

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50050
Instrument: BNA#2
Calibration Date: 08/24/25 00:17

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
SURR: 2-Fluorophenol	2.5	1.249461	5	1.37952	10	1.225548	15	1.117187	20	1.131292	30	1.100684
SURR: Nitrobenzene-d5	2.5	0.3986573	5	0.4459868	10	0.4033132	15	0.3664658	20	0.3792233	30	0.3726692
SURR: Phenol-d6	2.5	1.563043	5	1.632313	10	1.558355	15	1.389906	20	1.395808	30	1.357975
SURR: Terphenyl-d14	2.5	1.05204	5	1.164037	10	1.076624	15	0.9669922	20	0.9732781	30	0.9660335

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8270E

assoc QC samples only

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50050
Instrument: BNA#2
Calibration Date: 08/24/25 00:17

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
1,1-Biphenyl	40	0.6148984										
1,2,4,5-Tetrachlorobenzene	40	0.5397891										
1,2,4-Trichlorobenzene	40	0.3160445										
1,2-Dichlorobenzene	40	1.422426										
1,2-Diphenylhydrazine (as Azobenzene)	40	0.7838176										
1,3-Dichlorobenzene	40	1.470263										
1,4-Dichlorobenzene	40	1.508572										
1-Methylnaphthalene	40	0.6879581										
2,3,4,6-Tetrachlorophenol	40	0.1732823										
2,4,5-Trichlorophenol	40	0.3618668										
2,4,6-Trichlorophenol	40	0.331139										
2,4-Dichlorophenol	40	0.2713505										
2,4-Dimethylphenol	40	0.2630361										
2,4-Dinitrophenol	40	0.1257273										
2,4-Dinitrotoluene	40	0.399938										
2,6-Dinitrotoluene	40	0.2607304										
2-Chloronaphthalene	40	0.9741267										
2-Chlorophenol	40	1.272218										
2-Methylnaphthalene	40	0.6841167										
2-Methylphenol	40	1.600113										
2-Nitroaniline	40	0.3136489										
2-Nitrophenol	40	0.1655023										
3- & 4-Methylphenols	40	1.600113										
3,3-Dichlorobenzidine	40	0.4814792										
3-Nitroaniline	40	0.2943912										
4,6-Dinitro-2-methylphenol	40	0.105147										
4-Bromophenyl phenyl ether	40	0.2299214										
4-Chloro-3-methylphenol	40	0.3041299										

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8270E

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Calibration: SH50050
SDG: 25H1532
Project: JA257006 Task 10.2
Instrument: BNA#2
Calibration Date: 08/24/25 00:17

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
4-Chloroaniline	40	0.3873722										
4-Chlorophenyl phenyl ether	40	0.7499599										
4-Nitroaniline	40	0.3219455										
4-Nitrophenol	40	0.2968217										
Acenaphthene	40	1.143703										
Acenaphthylene	40	1.614615										
Acetophenone	40	1.905482										
Alpha Terpineol	40	0.1806696										
Aniline	40	1.507363										
Anthracene	40	1.11282										
Atrazine	40	0.2398082										
Benzaldehyde	40	0.9117838										
Benzidine	40	0.6138115										
Benzo(a)anthracene	40	1.320349										
Benzo(a)pyrene	40	1.28103										
Benzo(b)fluoranthene	40	1.312091										
Benzo(g,h,i)perylene	40	1.105825										
Benzo(k)fluoranthene	40	1.286766										
Benzoic acid	40	0.1751849										
Benzyl alcohol	40	0.8047745										
Benzyl butyl phthalate	40	0.5492535										
Bis(2-chloroethoxy)methane	40	0.2984293										
Bis(2-chloroethyl)ether	40	1.027408										
Bis(2-chloroisopropyl)ether	40	0.5108915										
Bis(2-ethylhexyl)phthalate	40	0.7393574										
Caprolactam	40	0.1074249										
Carbazole	40	1.024662										
Chrysene	40	1.190367										

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50050
Instrument: BNA#2
Calibration Date: 08/24/25 00:17

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Dibenzo(a,h)anthracene	40	1.20679										
Dibenzofuran	40	1.644634										
Diethyl phthalate	40	1.456656										
Dimethyl phthalate	40	1.271512										
Di-n-butyl phthalate	40	1.301094										
Di-n-octyl phthalate	40	1.363275										
Diphenylamine	40	0.5440749										
Fluoranthene	40	1.460124										
Fluorene	40	1.405349										
Hexachlorobenzene	40	0.1113892										
Hexachlorobutadiene	40	0.1998719										
Hexachlorocyclopentadiene	40	0.348395										
Hexachloroethane	40	0.6221588										
Indeno(1,2,3-cd)pyrene	40	1.528915										
Isophorone	40	0.6165653										
Naphthalene	40	0.9096016										
Nitrobenzene	40	0.3647545										
N-Nitrosodimethylamine	40	0.6235585										
N-nitroso-di-n-propylamine	40	1.125566										
N-Nitrosodiphenylamine	40	0.2320843										
Parathion	40	0.1337637										
Pentachloronitrobenzene	40	0.1098016										
Pentachlorophenol	40	0.1283437										
Phenanthrene	40	1.101418										
Phenol	40	1.313038										
Pyrene	40	1.196784										
Pyridine	40	1.023997										
SURR: 2,4,6-Tribromophenol	40	0.0866911										

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50050
Instrument: BNA#2
Calibration Date: 08/24/25 00:17

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
SURR: 2-Fluorobiphenyl	40	1.203185										
SURR: 2-Fluorophenol	40	1.052673										
SURR: Nitrobenzene-d5	40	0.3552361										
SURR: Phenol-d6	40	1.338192										
SURR: Terphenyl-d14	40	0.9410792										

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

assoc QC samples only

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50050

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: BNA#2

Calibration Date: 08/24/25 00:17

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1-Biphenyl	0.7428256	10.46559	7.470714	1.940041E-02			SPCC (0.01)	
1,2,4,5-Tetrachlorobenzene	0.6137701	7.752464	7.228	1.928745E-02			SPCC (0.01)	
1,2,4-Trichlorobenzene	0.3657217	11.94339	6.412	9.877773E-03			20	
1,2-Dichlorobenzene	1.553192	9.509679	5.658	0.0239379			20	
1,2-Diphenylhydrazine (as Azobenzene)	0.8912598	9.317278	9.017	2.041471E-02			20	
1,3-Dichlorobenzene	1.642206	10.93524	5.482	9.49234E-03			20	
1,4-Dichlorobenzene	1.662957	10.79569	5.52	5.070149E-03			20	
1-Methylnaphthalene	0.8110952	11.55735	7.138	2.045127E-02			20	
2,3,4,6-Tetrachlorophenol	0.1597489	12.80658	8.576572	2.859877E-02			SPCC (0.01)	
2,4,5-Trichlorophenol	0.4134871	10.7643	7.360286	0.028181			SPCC (0.2)	
2,4,6-Trichlorophenol	0.3748823	6.325948	7.317714	2.693623E-02			SPCC (0.2)	
2,4-Dichlorophenol	0.3036611	9.288083	6.341	1.148707E-02			SPCC (0.2)	
2,4-Dimethylphenol	0.3038028	10.08726	6.166429	4.107477E-02			SPCC (0.2)	
2,4-Dinitrophenol	0.0806952	44.78544	8.228	0.0347573			SPCC (0.01)	*
2,4-Dinitrotoluene	0.3434813	15.49537	8.405	8.433595E-03			SPCC (0.2)	
2,6-Dinitrotoluene	0.2631881	11.06027	7.926	1.874437E-02			SPCC (0.2)	
2-Chloronaphthalene	1.182689	9.969097	7.504571	0.0336482			SPCC (0.8)	
2-Chlorophenol	1.402551	8.704766	5.382571	1.223687E-02			SPCC (0.8)	
2-Methylnaphthalene	0.8055187	11.93308	7.034	1.606828E-02			SPCC (0.4)	
2-Methylphenol	1.717274	7.265576	5.782429	4.707425E-02			SPCC (0.7)	
2-Nitroaniline	0.3355797	9.254097	7.641	1.788503E-02			SPCC (0.01)	
2-Nitrophenol	0.1651384	6.549861	6.175	1.439347E-02			SPCC (0.1)	
3- & 4-Methylphenols	1.717274	7.265576	5.782429	4.707425E-02			SPCC (0.6)	
3,3-Dichlorobenzidine	0.4752658	10.5769	15.86543	1.520509E-02			SPCC (0.01)	
3-Nitroaniline	0.3005634	7.301161	8.101714	2.295135E-02			SPCC (0.01)	
4,6-Dinitro-2-methylphenol	8.312843E-02	23.85171	8.960714	4.069636E-02			SPCC (0.01)	*
4-Bromophenyl phenyl ether	0.2487398	7.663097	9.52	8.220071E-03			SPCC (0.1)	
4-Chloro-3-methylphenol	0.3314725	8.670607	6.884857	3.962004E-02			SPCC (0.2)	
4-Chloroaniline	0.4432082	11.63138	6.513857	2.907105E-02			SPCC (0.01)	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50050
Instrument: BNA#2
Calibration Date: 08/24/25 00:17

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
4-Chlorophenyl phenyl ether	0.8081237	6.868586	8.789714	0.0202186			SPCC (0.4)	
4-Nitroaniline	0.3204284	7.581543	8.908714	3.873693E-02			SPCC (0.01)	
4-Nitrophenol	0.2781643	12.62076	8.261571	3.002938E-02			SPCC (0.01)	
Acenaphthene	1.217831	9.018887	8.178429	0.0262484			SPCC (0.9)	
Acenaphthylene	1.950515	9.660436	7.968286	1.286748E-02			SPCC (0.9)	
Acetophenone	1.980668	6.863382	5.805	2.456337E-02			SPCC (0.01)	
Alpha Terpineol	0.2106138	12.15438	6.428143	4.057319E-02			20	
Aniline	1.683489	9.392562	5.301286	3.408835E-02			SPCC ()	
Anthracene	1.211736	8.20684	10.41771	3.199364E-02			SPCC (0.7)	
Atrazine	0.2555834	5.11408	9.829	1.750632E-02			SPCC (0.01)	
Benzaldehyde	1.010883	9.970735	5.207	1.175941E-02			SPCC (0.01)	
Benzidine	0.595983	13.15286	12.99186	1.972681E-02			20	
Benzo(a)anthracene	1.413636	7.478361	15.83314	2.207332E-02			SPCC (0.8)	
Benzo(a)pyrene	1.421073	6.876139	18.88243	0.0276034			SPCC (0.7)	
Benzo(b)fluoranthene	1.465227	7.403706	18.22014	1.772782E-02			SPCC (0.7)	
Benzo(g,h,i)perylene	1.182882	7.022472	21.64871	4.615694E-02			SPCC (0.5)	
Benzo(k)fluoranthene	1.452721	7.19233	18.269	3.002891E-02			SPCC (0.7)	
Benzoic acid	0.1408633	27.8991	6.229714	0.1691087			20	*
Benzyl alcohol	0.8404387	7.646874	5.606857	3.707512E-02			20	
Benzyl butyl phthalate	0.5722325	6.158723	14.70671	1.661068E-02			20	
Bis(2-chloroethoxy)methane	0.3608632	13.85703	6.237	1.243177E-02			SPCC (0.3)	
Bis(2-chloroethyl)ether	1.170226	11.37119	5.322429	4.386996E-02			SPCC (0.7)	
Bis(2-chloroisopropyl)ether	0.5748273	8.582888	5.705	1.130111E-02			SPCC (0.01)	
Bis(2-ethylhexyl)phthalate	0.7822164	6.497827	16.082	2.150588E-02			20	
Caprolactam	0.1179593	9.515021	6.790286	9.376342E-02			SPCC (0.01)	
Carbazole	1.159135	8.706434	10.71914	1.916632E-02			SPCC (0.01)	
Chrysene	1.299983	9.055915	15.933	2.383688E-02			SPCC (0.7)	
Dibenzo(a,h)anthracene	1.260994	6.096502	21.11529	3.005149E-02			SPCC (0.4)	
Dibenzofuran	1.762004	9.995648	8.367	1.004486E-02			SPCC (0.8)	
Diethyl phthalate	1.548876	8.097942	8.676572	3.281457E-02			SPCC (0.01)	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50050
Instrument: BNA#2
Calibration Date: 08/24/25 00:17

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Dimethyl phthalate	1.520105	9.995618	7.819857	2.129547E-02			SPCC (0.01)	
Di-n-butyl phthalate	1.379409	6.382756	11.44657	1.629431E-02			SPCC (0.01)	
Di-n-octyl phthalate	1.457014	6.132957	17.44471	2.034103E-02			SPCC (0.01)	
Diphenylamine	0.6106312	8.826722	8.971143	2.731494E-02			20	
Fluoranthene	1.553638	7.268337	12.66671	1.755096E-02			SPCC (0.6)	
Fluorene	1.532951	6.979146	8.826285	2.368849E-02			SPCC (0.9)	
Hexachlorobenzene	0.120151	6.328009	9.785286	1.676853E-02			SPCC (0.1)	
Hexachlorobutadiene	0.2275178	10.24388	6.583714	2.953913E-02			SPCC (0.01)	
Hexachlorocyclopentadiene	0.3600469	7.648129	7.228	1.928745E-02			SPCC (0.05)	
Hexachloroethane	0.6730972	8.505651	5.876	1.725012E-02			SPCC (0.3)	
Indeno(1,2,3-cd)pyrene	1.585137	5.641399	21.09086	3.164826E-02			SPCC (0.5)	
Isophorone	0.7247933	12.71291	6.094	1.888553E-02			SPCC (0.4)	
Naphthalene	1.086243	13.65862	6.465429	3.481401E-02			SPCC (0.7)	
Nitrobenzene	0.4079569	8.932194	5.938572	1.986861E-02			SPCC (0.2)	
N-Nitrosodimethylamine	0.7386134	10.81654	3.618429	6.568173E-02			20	
N-nitroso-di-n-propylamine	1.236476	8.748869	5.809	3.229646E-02			SPCC (0.5)	
N-Nitrosodiphenylamine	0.2563109	8.27063	8.971143	2.731494E-02			SPCC (0.01)	
Parathion	0.1076465	22.06098	11.83457	2.547507E-02			20	*
Pentachloronitrobenzene	0.1058217	10.83792	10.21657	2.204881E-02			20	
Pentachlorophenol	0.1111411	22.43344	10.08	1.110604E-02			SPCC (0.05)	*
Phenanthrene	1.201118	9.247076	10.341	1.109037E-02			SPCC (0.7)	
Phenol	1.472143	9.145533	5.260428	4.867955E-02			SPCC (0.8)	
Pyrene	1.307959	8.543201	13.14357	2.750184E-03			SPCC (0.6)	
Pyridine	1.140547	6.149329	3.638429	0.225602			20	
SURR: 2,4,6-Tribromophenol	9.270662E-02	9.259451	9.208428	0.0234999			20	
SURR: 2-Fluorobiphenyl	1.457183	10.51612	7.375	0			20	
SURR: 2-Fluorophenol	1.179481	9.51228	4.601714	5.018211E-02			20	
SURR: Nitrobenzene-d5	0.3887931	7.826414	5.928	2.401825E-02			20	
SURR: Phenol-d6	1.462227	8.10288	5.251143	3.864756E-02			20	
SURR: Terphenyl-d14	1.020012	7.915549	13.51186	2.045228E-02			20	

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E

assoc sample 1

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50055

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: BNA #4

Calibration Date: 08/26/25 08:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
1,1-Biphenyl	5	0.6581822	10	0.6144371	15	0.5428438	20	0.5852889	30	0.5900504	40	0.5186558
1,2,4,5-Tetrachlorobenzene	5	0.6021474	10	0.5552489	15	0.5574441	20	0.535808	30	0.5449976	40	0.5212012
1,2,4-Trichlorobenzene	5	0.4028007	10	0.3778088	15	0.3156902	20	0.3345987	30	0.3120422	40	0.2807748
1,2-Dichlorobenzene	5	1.912205	10	1.733202	15	1.465748	20	1.530329	30	1.499974	40	1.334585
1,2-Diphenylhydrazine (as Azobenzene)	5	0.8629917	10	0.7960454	15	0.7115359	20	0.7617068	30	0.7655722	40	0.678984
1,3-Dichlorobenzene	5	1.916122	10	1.610389	15	1.470236	20	1.509715	30	1.499331	40	1.352267
1,4-Dichlorobenzene	5	1.975526	10	1.860871	15	1.543526	20	1.618758	30	1.613048	40	1.455133
1-Methylnaphthalene	5	0.8913946	10	0.78074	15	0.6548372	20	0.6926542	30	0.6264731	40	0.5456482
2,3,4,6-Tetrachlorophenol	5	0.1744988	10	0.1589949	15	0.1367238	20	0.1526889	30	0.1556446	40	0.1320071
2,4,5-Trichlorophenol	5	0.4897434	10	0.4423495	15	0.3945318	20	0.4114727	30	0.4101464	40	0.3581482
2,4,6-Trichlorophenol	5	0.4019769	10	0.3693349	15	0.3363901	20	0.3555118	30	0.3537396	40	0.3119102
2,4-Dichlorophenol	5	0.3351173	10	0.3383128	15	0.2778857	20	0.2948846	30	0.2788627	40	0.235875
2,4-Dimethylphenol	5	0.3081268	10	0.3059057	15	0.2715041	20	0.2860283	30	0.262651	40	0.236597
2,4-Dinitrophenol	5	2.799972E-03	10	2.352742E-03	15	2.092733E-03	20	7.287225E-03	30	1.825264E-02	40	2.129564E-02
2,4-Dinitrotoluene	5	0.4208688	10	0.4428766	15	0.3913537	20	0.4174744	30	0.4468766	40	0.396127
2,6-Dinitrotoluene	5	0.3173957	10	0.3253608	15	0.2859776	20	0.3082408	30	0.3216801	40	0.2712455
2-Chloronaphthalene	5	1.257357	10	1.176109	15	1.023999	20	1.115274	30	1.130415	40	0.9493925
2-Chlorophenol	5	1.522003	10	1.362139	15	1.274928	20	1.330658	30	1.359431	40	1.168887
2-Methylnaphthalene	5	0.9339287	10	0.8444213	15	0.7050697	20	0.7400217	30	0.6930167	40	0.6149004
2-Methylphenol	5	1.131305	10	1.087969	15	1.001302	20	1.065228	30	1.105928	40	0.9735822
2-Nitroaniline	5	0.3547981	10	0.3747703	15	0.3257702	20	0.3534147	30	0.3708423	40	0.3141581
2-Nitrophenol	5	0.1554702	10	0.1719572	15	0.1490182	20	0.1646254	30	0.159247	40	0.1453369
3- & 4-Methylphenols	5	2.578926	10	2.600624	15	2.499767	20	2.676078	30	2.783646	40	2.503819
3,3-Dichlorobenzidine	5	0.4512633	10	0.3686663	15	0.4719364	20	0.4822363	30	0.4713928	40	0.5460847
3-Nitroaniline	5	0.3284304	10	0.3301497	15	0.3025911	20	0.3185495	30	0.3316772	40	0.2884201
4,6-Dinitro-2-methylphenol	5	2.94775E-03	10	6.417778E-03	15	9.628238E-03	20	1.424281E-02	30	2.524466E-02	40	3.201433E-02
4-Bromophenyl phenyl ether	5	0.2970556	10	0.2731148	15	0.243125	20	0.251882	30	0.2519851	40	0.2195431
4-Chloro-3-methylphenol	5	0.4363591	10	0.419972	15	0.3454454	20	0.3479075	30	0.3335375	40	0.2950609

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50055

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: BNA #4

Calibration Date: 08/26/25 08:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
4-Chloroaniline	5	0.3828527	10	0.4192005	15	0.3720562	20	0.3754242	30	0.3681719	40	0.3316091
4-Chlorophenyl phenyl ether	5	0.9020708	10	0.8495501	15	0.715366	20	0.756741	30	0.7755383	40	0.6478937
4-Nitroaniline	5	0.3036672	10	0.3075949	15	0.2788832	20	0.3156821	30	0.330368	40	0.3053338
4-Nitrophenol	5	0.2722934	10	0.3102889	15	0.2191287	20	0.2479685	30	0.2677981	40	0.2374235
Acenaphthene	5	1.406644	10	1.31002	15	1.129044	20	1.188146	30	1.158067	40	0.9939183
Acenaphthylene	5	2.205218	10	1.988669	15	1.739843	20	1.816906	30	1.855534	40	1.585443
Acetophenone	5	2.006135	10	1.930123	15	1.951264	20	1.842975	30	1.90489	40	1.969685
Aniline	5	1.518836	10	1.587549	15	1.519434	20	1.616478	30	1.684415	40	1.553305
Anthracene	5	1.425557	10	1.301073	15	1.187482	20	1.22035	30	1.179228	40	1.048915
Atrazine	5	0.2738072	10	0.2322234	15	0.23379	20	0.2171159	30	0.21561	40	0.2214576
Benzaldehyde	5	0.9990541	10	0.9042192	15	0.9308008	20	0.8600019	30	0.9135527	40	0.8987006
Benzidine	5	0.4857285	10	0.4392996	15	0.5832043	20	0.5960918	30	0.6240528	40	0.7144558
Benzo(a)anthracene	5	1.495576	10	1.391164	15	1.252716	20	1.307284	30	1.282286	40	1.087575
Benzo(a)pyrene	5	1.183474	10	1.065608	15	1.010991	20	1.108475	30	1.036109	40	0.8525032
Benzo(b)fluoranthene	5	1.159274	10	1.139741	15	0.9571479	20	1.07432	30	1.035937	40	0.9150249
Benzo(g,h,i)perylene	5	0.7884055	10	0.7373537	15	0.6508536	20	0.703894	30	0.7214694	40	0.5748299
Benzo(k)fluoranthene	5	1.479329	10	1.139741	15	0.9571479	20	1.297743	30	1.240813	40	1.010403
Benzoic acid	5	4.774404E-02	10	9.241532E-02	15	8.847976E-02	20	0.1145589	30	0.1368837	40	0.1317535
Benzyl alcohol	5	0.8549073	10	0.7924538	15	0.75498	20	0.8181369	30	0.8041888	40	0.7678318
Benzyl butyl phthalate	5	0.6563585	10	0.6062638	15	0.5503065	20	0.5786987	30	0.5671041	40	0.4898316
Bis(2-chloroethoxy)methane	5	0.362174	10	0.3621395	15	0.3133327	20	0.3304364	30	0.3155356	40	0.2764892
Bis(2-chloroethyl)ether	5	1.53281	10	1.265643	15	1.177479	20	1.170816	30	1.165506	40	1.050451
Bis(2-chloroisopropyl)ether	5	0.9774393	10	0.8815135	15	0.806953	20	0.8442678	30	0.8547975	40	0.7642836
Bis(2-ethylhexyl)phthalate	5	0.9424998	10	0.8784057	15	0.7417805	20	0.8004482	30	0.7698838	40	0.6570572
Caprolactam	5	0.1246707	10	0.1328199	15	0.1188066	20	0.112244	30	0.1052694	40	0.1011849
Carbazole	5	1.185142	10	1.160516	15	1.053096	20	1.108659	30	1.067269	40	0.9720185
Chrysene	5	1.501974	10	1.362664	15	1.172332	20	1.24893	30	1.202408	40	1.027833
Dibenzo(a,h)anthracene	5	0.9166978	10	0.9274435	15	0.8316113	20	0.9144255	30	0.9470449	40	0.7988034

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50055

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: BNA #4

Calibration Date: 08/26/25 08:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Dibenzofuran	5	2.024805	10	1.865502	15	1.655868	20	1.74107	30	1.742223	40	1.485673
Diethyl phthalate	5	1.728302	10	1.520013	15	1.339508	20	1.421299	30	1.416367	40	1.232293
Dimethyl phthalate	5	1.681104	10	1.470746	15	1.263405	20	1.359726	30	1.367175	40	1.146272
Di-n-butyl phthalate	5	1.480111	10	1.405056	15	1.275142	20	1.316947	30	1.391886	40	1.118532
Di-n-octyl phthalate	5	1.567352	10	1.483923	15	1.275522	20	1.417847	30	1.34549	40	1.140009
Diphenylamine	5	0.628328	10	0.6029597	15	0.5079058	20	0.5562586	30	0.5568166	40	0.4825603
Fluoranthene	5	1.638863	10	1.513004	15	1.432388	20	1.421769	30	1.511926	40	1.261726
Fluorene	5	1.776665	10	1.647761	15	1.40747	20	1.521346	30	1.494484	40	1.26676
Hexachlorobenzene	5	0.1209102	10	0.1094244	15	9.377641E-02	20	0.1038667	30	0.1002594	40	8.783842E-02
Hexachlorobutadiene	5	0.2654431	10	0.2425931	15	0.2119016	20	0.2211096	30	0.2128228	40	0.1799819
Hexachlorocyclopentadiene	5		10	1.006693E-03	15	2.594989E-03	20	4.397071E-03	30	0.0140588	40	2.077309E-02
Hexachloroethane	5	0.6269973	10	0.5737058	15	0.5548367	20	0.5447635	30	0.5647992	40	0.4917413
Indeno(1,2,3-cd)pyrene	5	1.243888	10	1.01361	15	0.9742393	20	1.06668	30	1.069755	40	0.9303541
Isophorone	5	0.7358957	10	0.7157659	15	0.6304792	20	0.6549482	30	0.6142994	40	0.5390183
Naphthalene	5	1.214052	10	1.126982	15	0.957266	20	1.006558	30	0.9608842	40	0.8369807
Nitrobenzene	5	0.4350588	10	0.4192691	15	0.3770813	20	0.39136	30	0.3810381	40	0.3256507
N-Nitrosodimethylamine	5	0.7074966	10	0.6269866	15	0.6575562	20	0.6602176	30	0.713261	40	0.6156625
N-nitroso-di-n-propylamine	5	1.166182	10	1.218249	15	1.082416	20	1.166151	30	1.140742	40	1.070668
N-Nitrosodiphenylamine	5	0.2253314	10	0.1956543	15	0.1817171	20	0.1900779	30	0.1851623	40	0.167669
Parathion	5	0.1706172	10	0.1613592	15	0.151921	20	0.1609889	30	0.1761627	40	0.1445862
Pentachloronitrobenzene	5	0.1086339	10	0.1112495	15	9.940019E-02	20	0.1054301	30	0.1064864	40	0.0948464
Pentachlorophenol	5	5.242047E-02	10	6.583867E-02	15	0.0708991	20	8.989685E-02	30	9.706921E-02	40	9.602325E-02
Phenanthrene	5	1.331817	10	1.238833	15	1.126864	20	1.141167	30	1.12883	40	0.996958
Phenol	5	1.85812	10	1.819889	15	1.599283	20	1.684083	30	1.72947	40	1.562843
Pyrene	5	1.545526	10	1.414136	15	1.213749	20	1.286118	30	1.286602	40	1.10019
Pyridine	5	1.135198	10	1.065782	15	1.080696	20	1.112708	30	1.132785	40	1.004445
SURR: 2,4,6-Tribromophenol	5	0.1226736	10	0.1249802	15	0.113384	20	0.1085915	30	0.117562	40	0.1004834
SURR: 2-Fluorobiphenyl	5	1.548754	10	1.406672	15	1.282485	20	1.329999	30	1.341907	40	1.167505
SURR: 2-Fluorophenol	5	0.9580972	10	0.9411693	15	0.9238013	20	0.9503074	30	0.9712258	40	0.9014802

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50055
Instrument: BNA #4
Calibration Date: 08/26/25 08:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
SURR: Nitrobenzene-d5	5	0.4545551	10	0.4334126	15	0.3824029	20	0.3811553	30	0.3802919	40	0.3238409
SURR: Phenol-d6	5	1.58935	10	1.567515	15	1.395594	20	1.494284	30	1.539526	40	1.38371
SURR: Terphenyl-d14	5	1.26166	10	1.191657	15	0.9986255	20	1.062138	30	1.07147	40	0.9138951

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8270E

assoc sample 1

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50055

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: BNA #4

Calibration Date: 08/26/25 08:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8270E

assoc sample 1

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50055
Instrument: BNA #4
Calibration Date: 08/26/25 08:00

>0.01 <20%

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1-Biphenyl	0.5849097	8.523121	7.7	3.294556E-02			SPCC (0.01)	
1,2,4,5-Tetrachlorobenzene	0.5528079	4.994006	7.433	1.789114E-02			SPCC (0.01)	
1,2,4-Trichlorobenzene	0.3372859	13.41646	6.514	2.024122E-02			20	
1,2-Dichlorobenzene	1.57934	13.15976	5.629833	2.922232E-03			20	
1,2-Diphenylhydrazine (as Azobenzene)	0.762806	8.456511	9.348	1.942952E-02			20	
1,3-Dichlorobenzene	1.559677	12.39216	5.421	4.155512E-02			20	
1,4-Dichlorobenzene	1.67781	11.8439	5.467	1.855059E-02			20	
1-Methylnaphthalene	0.6986246	17.46802	7.334	2.051592E-02			20	
2,3,4,6-Tetrachlorophenol	0.1517597	10.21507	8.915	0.0325652			SPCC (0.01)	
2,4,5-Trichlorophenol	0.417732	10.69336	7.606	4.111471E-02			SPCC (0.2)	
2,4,6-Trichlorophenol	0.3548106	8.564442	7.545	3.074564E-02			SPCC (0.2)	
2,4-Dichlorophenol	0.2934897	13.21461	6.455	7.102905E-02			SPCC (0.2)	
2,4-Dimethylphenol	0.2784688	9.823368	6.258	0.0607824			SPCC (0.2)	
2,4-Dinitrophenol	9.013492E-03	95.44649	8.527833	0.9735907			SPCC (0.01)	*
2,4-Dinitrotoluene	0.4192628	5.480735	8.732667	3.456344E-02			SPCC (0.2)	
2,6-Dinitrotoluene	0.3049834	7.120746	8.198	0.0360816			SPCC (0.2)	
2-Chloronaphthalene	1.108758	9.856086	7.740833	2.755629E-02			SPCC (0.8)	
2-Chlorophenol	1.336341	8.695487	5.316333	4.277368E-02			SPCC (0.8)	
2-Methylnaphthalene	0.7552264	15.23568	7.218	1.812864E-02			SPCC (0.4)	
2-Methylphenol	1.060886	5.797182	5.700333	4.057099E-02			SPCC (0.7)	
2-Nitroaniline	0.348959	6.958179	7.899667	2.555161E-02			SPCC (0.01)	
2-Nitrophenol	0.1576091	6.26028	6.243333	4.540057E-02			SPCC (0.1)	
3- & 4-Methylphenols	2.607143	4.164792	5.700333	4.057099E-02			SPCC (0.6)	
3,3-Dichlorobenzidine	0.4652633	12.32041	15.19167	2.939159E-02			SPCC (0.01)	
3-Nitroaniline	0.3166363	5.551643	8.405	4.544147E-02		>0.99	SPCC (0.01)	
4,6-Dinitro-2-methylphenol	1.508259E-02	75.17211	9.334833	8.074274E-02		0.9977016	SPCC (0.01)	
4-Bromophenyl phenyl ether	0.2561176	10.33958	9.719834	2.163097E-02			SPCC (0.1)	
4-Chloro-3-methylphenol	0.3630471	14.90827	7.085	2.831808E-02			SPCC (0.2)	
4-Chloroaniline	0.3748858	7.5008	6.644	4.273757E-02			SPCC (0.01)	

sample ND for 4,6-Dinitro-2-methylphenol and 2,4-Dinitrophenolso no qual

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50055
Instrument: BNA #4
Calibration Date: 08/26/25 08:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
4-Chlorophenyl phenyl ether	0.7745267	11.79785	9.122	3.642385E-02			SPCC (0.4)	
4-Nitroaniline	0.3069215	5.502727	9.2765	0.0488817			SPCC (0.01)	
4-Nitrophenol	0.2591502	12.2773	8.627833	0.1322882			SPCC (0.01)	
Acenaphthene	1.19764	12.05238	8.47	3.328476E-02			SPCC (0.9)	
Acenaphthylene	1.865269	11.42973	8.242	0.0101799			SPCC (0.9)	
Acetophenone	1.934179	2.917599	5.813	5.621723E-02			SPCC (0.01)	
Aniline	1.580003	4.0439	5.217667	4.048821E-02			SPCC ()	
Anthracene	1.227101	10.34118	10.381	2.821925E-02			SPCC (0.7)	
Atrazine	0.232334	9.33462	9.934	4.275136E-02			SPCC (0.01)	
Benzaldehyde	0.9177215	5.035831	5.101	4.527967E-02			SPCC (0.01)	
Benzidine	0.5738055	17.20682	12.513	6.751639E-03			20	
Benzo(a)anthracene	1.302767	10.53829	15.1585	2.342064E-02			SPCC (0.8)	
Benzo(a)pyrene	1.04286	10.66857	18.12683	3.190452E-02			SPCC (0.7)	
Benzo(b)fluoranthene	1.046907	9.316545	17.481	4.362045E-02			SPCC (0.7)	
Benzo(g,h,i)perylene	0.6961343	10.68826	20.698	1.605184E-02			SPCC (0.5)	
Benzo(k)fluoranthene	1.187529	16.27932	17.51083	0.1633875			SPCC (0.7)	
Benzoic acid	0.1019725	32.46029	6.383	0.1301725		0.9911549	0.99	
Benzyl alcohol	0.7987498	4.503753	5.593	8.648823E-02			20	
Benzyl butyl phthalate	0.5747605	9.698271	14.078	0.023834			20	
Bis(2-chloroethoxy)methane	0.3266846	10.01558	6.322	2.022078E-02			SPCC (0.3)	
Bis(2-chloroethyl)ether	1.227117	13.41886	5.246667	3.845143E-02			SPCC (0.7)	
Bis(2-chloroisopropyl)ether	0.8548758	8.491432	5.693833	2.232665E-02			SPCC (0.01)	
Bis(2-ethylhexyl)phthalate	0.7983459	12.67117	15.4	0.0232753			20	
Caprolactam	0.1158326	10.32041	6.965833	0.204756			SPCC (0.01)	
Carbazole	1.091117	7.118415	10.61583	1.844665E-02			SPCC (0.01)	
Chrysene	1.25269	13.05856	15.2535	4.660273E-02			SPCC (0.7)	
Dibenzo(a,h)anthracene	0.8893377	6.688036	20.23683	1.619199E-02			SPCC (0.4)	
Dibenzofuran	1.752524	10.44972	8.676	3.808592E-02			SPCC (0.8)	
Diethyl phthalate	1.442964	11.74524	8.992333	0.0350877			SPCC (0.01)	
Dimethyl phthalate	1.381405	13.25688	8.074	1.869791E-02			SPCC (0.01)	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50055
Instrument: BNA #4
Calibration Date: 08/26/25 08:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Di-n-butyl phthalate	1.331279	9.494661	11.15983	2.726466E-02			SPCC (0.01)	
Di-n-octyl phthalate	1.371691	11.1339	16.73017	2.850141E-02			SPCC (0.01)	
Diphenylamine	0.5558048	9.901609	9.310667	3.236386E-02			20	
Fluoranthene	1.463279	8.588519	12.228	3.040681E-02			SPCC (0.6)	
Fluorene	1.519081	11.76269	9.168	1.791929E-02			SPCC (0.9)	
Hexachlorobenzene	0.1026793	11.39629	9.9175	1.148112E-02			SPCC (0.1)	
Hexachlorobutadiene	0.2223087	13.13507	6.706	2.144321E-02			SPCC (0.01)	
Hexachlorocyclopentadiene	8.566129E-03	99.2898	7.4308	6.790027E-02		0.9959231	SPCC (0.05)	
Hexachloroethane	0.559474	7.838444	5.88	1.329984E-02			SPCC (0.3)	
Indeno(1,2,3-cd)pyrene	1.049754	10.40389	20.223	2.249402E-02			SPCC (0.5)	
Isophorone	0.6484011	11.05376	6.148166	3.871858E-02			SPCC (0.4)	
Naphthalene	1.01712	13.20219	6.576	4.672469E-02			SPCC (0.7)	
Nitrobenzene	0.388243	9.813632	5.968	3.551626E-02			SPCC (0.2)	
N-Nitrosodimethylamine	0.6635301	6.05826	3.216	0.1839248			20	
N-nitroso-di-n-propylamine	1.140735	4.898514	5.818	5.080595E-02			SPCC (0.5)	
N-Nitrosodiphenylamine	0.1909353	10.11701	9.310667	3.236386E-02			SPCC (0.01)	
Parathion	0.1609392	7.215967	11.49	1.895372E-02			20	
Pentachloronitrobenzene	0.1043411	5.853357	10.226	3.951786E-02			20	
Pentachlorophenol	7.869126E-02	23.29238	10.14333	4.166328E-02		0.9949753	SPCC (0.05)	
Phenanthrene	1.160745	9.803067	10.323	3.017539E-02			SPCC (0.7)	
Phenol	1.708948	6.872651	5.21	8.544453E-02			SPCC (0.8)	
Pyrene	1.30772	11.88042	12.653	0.0257425			SPCC (0.6)	
Pyridine	1.088602	4.569122	3.225833	0.309314			20	
SURR: 2,4,6-Tribromophenol	0.1146125	7.982944	9.51	0.0190316			20	
SURR: 2-Fluorobiphenyl	1.34622	9.452083	7.596	6.53904E-03			20	
SURR: 2-Fluorophenol	0.9410135	2.667409	4.409	0.1332468			20	
SURR: Nitrobenzene-d5	0.3926098	11.7377	5.950667	0.0310468			20	
SURR: Phenol-d6	1.494997	5.86273	5.2	4.827605E-02			20	
SURR: Terphenyl-d14	1.083241	11.67776	12.974	2.101341E-02			20	

sample not analyzed on this calibration ✓

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50050
Laboratory ID: S5H2508-SCV1
Sequence: S5H2508
Standard ID: S25D064

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
1,2,4-Trichlorobenzene	30.0	31.7	5.7	30.00
1,2-Dichlorobenzene	30.0	28.6	-4.7	30.00
1,2-Diphenylhydrazine (as Azobenzene)	30.0	26.5	-11.7	30.00
1,3-Dichlorobenzene	30.0	28.7	-4.4	30.00
1,4-Dichlorobenzene	30.0	29.2	-2.8	30.00
1-Methylnaphthalene	30.0	29.2	-2.8	30.00
2,3,4,6-Tetrachlorophenol	30.0	37.5	24.9	30.00
2,4,5-Trichlorophenol	30.0	32.9	9.7	30.00
2,4,6-Trichlorophenol	30.0	33.5	11.7	30.00
2,4-Dichlorophenol	30.0	32.9	9.6	30.00
2,4-Dimethylphenol	30.0	34.0	13.2	30.00
2,4-Dinitrophenol	30.0	31.9	6.2	30.00
2,4-Dinitrotoluene	30.0	34.2	14.0	30.00
2,6-Dinitrotoluene	30.0	35.3	17.8	30.00
2-Chloronaphthalene	30.0	30.3	1.1	30.00
2-Chlorophenol	30.0	29.8	-0.7	30.00
2-Methylnaphthalene	30.0	28.0	-6.6	30.00
2-Methylphenol	30.0	25.8	-14.1	30.00
2-Nitroaniline	30.0	33.7	12.4	30.00
2-Nitrophenol	30.0	35.1	17.1	30.00
3- & 4-Methylphenols	30.0	25.8	-14.1	30.00
3-Nitroaniline	30.0	32.9	9.6	30.00
4,6-Dinitro-2-methylphenol	30.0	31.4	4.8	30.00
4-Bromophenyl phenyl ether	30.0	26.8	-10.7	30.00
4-Chloro-3-methylphenol	30.0	32.1	7.0	30.00

✓

sample not analyzed on this calibration

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50050
Laboratory ID: S5H2508-SCV1
Sequence: S5H2508
Standard ID: S25D064

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
4-Chloroaniline	30.0	31.9	6.4	30.00
4-Chlorophenyl phenyl ether	30.0	29.5	-1.8	30.00
4-Nitroaniline	30.0	31.7	5.8	30.00
4-Nitrophenol	30.0	31.8	5.9	30.00
Acenaphthene	30.0	28.8	-3.9	30.00
Acenaphthylene	30.0	30.4	1.5	30.00
Aniline	30.0	31.6	5.5	30.00
Anthracene	30.0	29.3	-2.4	30.00
Benzo(a)anthracene	30.0	33.0	9.9	30.00
Benzo(a)pyrene	30.0	29.4	-1.9	30.00
Benzo(b)fluoranthene	30.0	30.0	-0.07	30.00
Benzo(g,h,i)perylene	30.0	37.5	25.1	30.00
Benzo(k)fluoranthene	30.0	30.4	1.5	30.00
Benzyl alcohol	30.0	29.0	-3.3	30.00
Benzyl butyl phthalate	30.0	35.2	17.2	30.00
Bis(2-chloroethoxy)methane	30.0	29.7	-0.9	30.00
Bis(2-chloroethyl)ether	30.0	27.5	-8.2	30.00
Bis(2-chloroisopropyl)ether	30.0	28.8	-3.9	30.00
Bis(2-ethylhexyl)phthalate	30.0	33.2	10.7	30.00
Carbazole	30.0	27.8	-7.3	30.00
Chrysene	30.0	30.8	2.7	30.00
Cresols, total	60.0	51.5	-14.1	30.00
Dibenzo(a,h)anthracene	30.0	32.5	8.3	30.00
Dibenzofuran	30.0	29.8	-0.5	30.00
Diethyl phthalate	30.0	30.4	1.3	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50050
Laboratory ID: S5H2508-SCV1
Sequence: S5H2508
Standard ID: S25D064

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
Dimethyl phthalate	30.0	30.1	0.4	30.00
Di-n-butyl phthalate	30.0	30.4	1.3	30.00
Di-n-octyl phthalate	30.0	31.1	3.7	30.00
Diphenylamine	30.0	30.1	0.5	30.00
Fluoranthene	30.0	28.5	-4.9	30.00
Fluorene	30.0	29.8	-0.6	30.00
Hexachlorobenzene	30.0	27.9	-7.1	30.00
Hexachlorobutadiene	30.0	32.1	7.1	30.00
Hexachlorocyclopentadiene	30.0	33.1	10.5	30.00
Hexachloroethane	30.0	29.6	-1.3	30.00
Indeno(1,2,3-cd)pyrene	30.0	33.0	9.9	30.00
Isophorone	30.0	30.8	2.6	30.00
Naphthalene	30.0	31.2	4.1	30.00
Nitrobenzene	30.0	31.3	4.3	30.00
N-Nitrosodimethylamine	30.0	27.4	-8.5	30.00
N-nitroso-di-n-propylamine	30.0	27.3	-8.9	30.00
N-Nitrosodiphenylamine	30.0	30.6	1.8	30.00
Pentachlorophenol	30.0	32.2	7.3	30.00
Phenanthrene	30.0	28.4	-5.4	30.00
Phenol	30.0	28.0	-6.7	30.00
Pyrene	30.0	34.6	15.3	30.00
Pyridine	30.0	27.8	-7.3	30.00

* Values outside of QC limits

sample not analyzed on this calibration

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50050
Laboratory ID: S5H2508-SCV2
Sequence: S5H2508
Standard ID: S24K021

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
1,2,4,5-Tetrachlorobenzene	30.0	29.8	-0.5	30.00
3,3-Dichlorobenzidine	30.0	29.9	-0.4	30.00
Acetophenone	30.0	28.5	-5.1	30.00
Atrazine	30.0	31.5	5.0	30.00
Benzaldehyde	30.0	25.3	-15.6	30.00
Benzidine	30.0	41.1	37.1 *	30.00
Benzoic acid	30.0	32.5	8.2	30.00
Caprolactam	30.0	30.2	0.7	30.00
Pentachloronitrobenzene	30.0	28.9	-3.6	30.00
Parathion	30.0	29.6	-1.3	30.00

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50055
Laboratory ID: S5H2714-SCV1
Sequence: S5H2714
Standard ID: S25D064

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
1,2,4-Trichlorobenzene	30.0	27.1	-9.7	30.00
1,2-Dichlorobenzene	30.0	26.0	-13.2	30.00
1,2-Diphenylhydrazine (as Azobenzene)	30.0	26.0	-13.4	30.00
1,3-Dichlorobenzene	30.0	26.3	-12.3	30.00
1,4-Dichlorobenzene	30.0	26.2	-12.5	30.00
1-Methylnaphthalene	30.0	26.2	-12.6	30.00
2,3,4,6-Tetrachlorophenol	30.0	29.5	-1.7	30.00
2,4,5-Trichlorophenol	30.0	24.0	-20.1	30.00
2,4,6-Trichlorophenol	30.0	25.7	-14.2	30.00
2,4-Dichlorophenol	30.0	28.6	-4.7	30.00
2,4-Dimethylphenol	30.0	30.8	2.7	30.00
2,4-Dinitrophenol	30.0	43.0	43.3 *	30.00
2,4-Dinitrotoluene	30.0	27.6	-8.0	30.00
2,6-Dinitrotoluene	30.0	26.3	-12.5	30.00
2-Chloronaphthalene	30.0	24.7	-17.8	30.00
2-Chlorophenol	30.0	27.9	-7.1	30.00
2-Methylnaphthalene	30.0	25.0	-16.7	30.00
2-Methylphenol	30.0	29.1	-2.9	30.00
2-Nitroaniline	30.0	27.2	-9.2	30.00
2-Nitrophenol	30.0	30.2	0.7	30.00
3- & 4-Methylphenols	30.0	55.3	84.2 *	30.00
3-Nitroaniline	30.0	27.8	-7.2	30.00
4,6-Dinitro-2-methylphenol	30.0	30.4	1.2	30.00
4-Bromophenyl phenyl ether	30.0	25.0	-16.7	30.00
4-Chloro-3-methylphenol	30.0	28.3	-5.5	30.00

Sample ND for 2,4-Dinitrophenol and 3- & 4-Methylphenols so no qual

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50055
Laboratory ID: S5H2714-SCV1
Sequence: S5H2714
Standard ID: S25D064

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
4-Chloroaniline	30.0	29.2	-2.8	30.00
4-Chlorophenyl phenyl ether	30.0	24.2	-19.2	30.00
4-Nitroaniline	30.0	30.0	0.1	30.00
4-Nitrophenol	30.0	25.2	-15.8	30.00
Acenaphthene	30.0	24.5	-18.2	30.00
Acenaphthylene	30.0	24.8	-17.4	30.00
Aniline	30.0	32.5	8.5	30.00
Anthracene	30.0	24.8	-17.5	30.00
Benzo(a)anthracene	30.0	26.1	-12.9	30.00
Benzo(a)pyrene	30.0	25.5	-15.1	30.00
Benzo(b)fluoranthene	30.0	27.0	-10.2	30.00
Benzo(g,h,i)perylene	30.0	27.9	-6.9	30.00
Benzo(k)fluoranthene	30.0	23.8	-20.8	30.00
Benzyl alcohol	30.0	28.4	-5.2	30.00
Benzyl butyl phthalate	30.0	25.0	-16.5	30.00
Bis(2-chloroethoxy)methane	30.0	28.1	-6.2	30.00
Bis(2-chloroethyl)ether	30.0	25.9	-13.7	30.00
Bis(2-chloroisopropyl)ether	30.0	26.9	-10.4	30.00
Bis(2-ethylhexyl)phthalate	30.0	24.9	-17.0	30.00
Carbazole	30.0	25.4	-15.4	30.00
Chrysene	30.0	24.6	-17.9	30.00
Cresols, total NTA	60.0	0.00		30.00
Dibenzo(a,h)anthracene	30.0	26.0	-13.5	30.00
Dibenzofuran	30.0	25.2	-15.9	30.00
Diethyl phthalate	30.0	24.8	-17.2	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50055
Laboratory ID: S5H2714-SCV1
Sequence: S5H2714
Standard ID: S25D064

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
Dimethyl phthalate	30.0	25.0	-16.6	30.00
Di-n-butyl phthalate	30.0	24.8	-17.5	30.00
Di-n-octyl phthalate	30.0	24.6	-18.0	30.00
Diphenylamine	30.0	29.3	-2.4	30.00
Fluoranthene	30.0	24.7	-17.7	30.00
Fluorene	30.0	25.2	-16.0	30.00
Hexachlorobenzene	30.0	24.6	-17.9	30.00
Hexachlorobutadiene	30.0	27.4	-8.6	30.00
Hexachlorocyclopentadiene	30.0	24.5	-18.3	30.00
Hexachloroethane	30.0	27.7	-7.8	30.00
Indeno(1,2,3-cd)pyrene	30.0	26.4	-12.0	30.00
Isophorone	30.0	29.1	-3.1	30.00
Naphthalene	30.0	28.5	-4.9	30.00
Nitrobenzene	30.0	26.5	-11.7	30.00
N-Nitrosodimethylamine	30.0	28.6	-4.6	30.00
N-nitroso-di-n-propylamine	30.0	28.1	-6.2	30.00
N-Nitrosodiphenylamine	30.0	29.0	-3.4	30.00
Pentachlorophenol	30.0	28.3	-5.8	30.00
Phenanthrene	30.0	24.8	-17.5	30.00
Phenol	30.0	28.6	-4.7	30.00
Pyrene	30.0	25.2	-16.0	30.00
Pyridine	30.0	27.7	-7.8	30.00

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50055
Laboratory ID: S5H2714-SCV2
Sequence: S5H2714
Standard ID: S24K021

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
1,2,4,5-Tetrachlorobenzene	30.0	29.8	-0.8	30.00
3,3-Dichlorobenzidine	30.0	27.6	-7.9	30.00
Acetophenone	30.0	26.9	-10.2	30.00
Atrazine	30.0	30.5	1.6	30.00
Benzaldehyde	30.0	29.4	-2.0	30.00
Benzidine	30.0	30.3	1.0	30.00
Benzoic acid	30.0	31.8	6.1	30.00
Caprolactam	30.0	31.7	5.6	30.00
Pentachloronitrobenzene	30.0	29.2	-2.5	30.00
Parathion	30.0	27.9	-7.0	30.00

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	BNA#2	Calibration:	SH50050
Lab File ID:	E20027351.D	Calibration Date:	08/24/25 00:17
Sequence:	S5H2722	Injection Date:	08/27/25
Lab Sample ID:	S5H2722-CCV1	Injection Time:	08:52

sample not analyzed on this calibration

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1-Biphenyl	A	30.0	26.1	0.7428256	0.6462743	0.01	-13.0	20	
1,2,4,5-Tetrachlorobenzene	A	30.0	27.5	0.6137701	0.5628773	0.01	-8.3	20	
1,2,4-Trichlorobenzene	A	30.0	27.5	0.3657217	0.3347178		-8.5	20	
1,2-Dichlorobenzene	A	30.0	27.6	1.553192	1.430652		-7.9	20	
1,2-Diphenylhydrazine (as Azobenzene)	A	30.0	26.0	0.8912598	0.7737678		-13.2	20	
1,3-Dichlorobenzene	A	30.0	27.1	1.642206	1.483754		-9.6	20	
1,4-Dichlorobenzene	A	30.0	27.8	1.662957	1.538796		-7.5	20	
1-Methylnaphthalene	A	30.0	27.1	0.8110952	0.7320856		-9.7	20	
2,3,4,6-Tetrachlorophenol	A	30.0	32.7	0.1597489	0.173892	0.01	8.9	20	
2,4,5-Trichlorophenol	A	30.0	30.3	0.4134871	0.4175115	0.2	1.0	20	
2,4,6-Trichlorophenol	A	30.0	29.0	0.3748823	0.3627836	0.2	-3.2	20	
2,4-Dichlorophenol	A	30.0	28.5	0.3036611	0.2881733	0.2	-5.1	20	
2,4-Dimethylphenol	A	30.0	27.5	0.3038028	0.2782997	0.2	-8.4	20	
2,4-Dinitrophenol	A	30.0	29.0	0.0806952	0.1050393	0.01	30.2	20 *	
2,4-Dinitrotoluene	A	30.0	34.1	0.3434813	0.390149	0.2	13.6	20	
2,6-Dinitrotoluene	A	30.0	33.3	0.2631881	0.2920887	0.2	11.0	20	
2-Chloronaphthalene	A	30.0	26.7	1.182689	1.053521	0.8	-10.9	20	
2-Chlorophenol	A	30.0	25.8	1.402551	1.207662	0.8	-13.9	20	
2-Methylnaphthalene	A	30.0	27.6	0.8055187	0.7400036	0.4	-8.1	20	
2-Methylphenol	A	30.0	27.2	1.717274	1.556641	0.7	-9.4	20	
2-Nitroaniline	A	30.0	30.9	0.3355797	0.3455399	0.01	3.0	20	
2-Nitrophenol	A	30.0	31.2	0.1651384	0.1718568	0.1	4.1	20	
3- & 4-Methylphenols	A	30.0	27.2	1.717274	1.556641	0.6	-9.4	20	
3,3-Dichlorobenzidine	A	30.0	39.0	0.4752658	0.6181588	0.01	30.1	20 *	
3-Nitroaniline	A	30.0	31.3	0.3005634	0.3138978	0.01	4.4	20	
4,6-Dinitro-2-methylphenol	A	30.0	29.5	8.312843E-02	9.701017E-02	0.01	16.7	20	
4-Bromophenyl phenyl ether	A	30.0	27.5	0.2487398	0.2282069	0.1	-8.3	20	
4-Chloro-3-methylphenol	A	30.0	30.0	0.3314725	0.3317784	0.2	0.09	20	
4-Chloroaniline	A	30.0	27.4	0.4432082	0.4041284	0.01	-8.8	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

sample not analyzed with this CCV

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	BNA#2	Calibration:	SH50050
Lab File ID:	E20027351.D	Calibration Date:	08/24/25 00:17
Sequence:	S5H2722	Injection Date:	08/27/25
Lab Sample ID:	S5H2722-CCV1	Injection Time:	08:52

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
4-Chlorophenyl phenyl ether	A	30.0	28.7	0.8081237	0.7733488	0.4	-4.3	20	
4-Nitroaniline	A	30.0	30.2	0.3204284	0.3227607	0.01	0.7	20	
4-Nitrophenol	A	30.0	26.8	0.2781643	0.2487206	0.01	-10.6	20	
Acenaphthene	A	30.0	26.6	1.217831	1.077753	0.9	-11.5	20	
Acenaphthylene	A	30.0	27.4	1.950515	1.782172	0.9	-8.6	20	
Acetophenone	A	30.0	28.7	1.980668	1.896839	0.01	-4.2	20	
Alpha Terpineol	A	30.0	27.4	0.2106138	0.1921795		-8.8	20	
Aniline	A	30.0	26.4	1.683489	1.48279		-11.9	20	
Anthracene	A	30.0	26.2	1.211736	1.056504	0.7	-12.8	20	
Atrazine	A	30.0	28.9	0.2555834	0.2460596	0.01	-3.7	20	
Benzaldehyde	A	30.0	25.3	1.010883	0.8514953	0.01	-15.8	20	
Benzidine	A	30.0	33.0	0.595983	0.6558902		10.1	20	
Benzo(a)anthracene	A	30.0	29.6	1.413636	1.392313	0.8	-1.5	20	
Benzo(a)pyrene	A	30.0	21.2	1.421073	1.004447	0.7	-29.3	20 *	
Benzo(b)fluoranthene	A	30.0	22.3	1.465227	1.088535	0.7	-25.7	20 *	
Benzo(g,h,i)perylene	A	30.0	27.4	1.182882	1.082407	0.5	-8.5	20	
Benzo(k)fluoranthene	A	30.0	21.1	1.452721	1.020571	0.7	-29.7	20 *	
Benzoic acid	A	30.0	21.0	0.1408633	0.1203275		-14.6	20	
Benzyl alcohol	A	30.0	27.8	0.8404387	0.7791926		-7.3	20	
Benzyl butyl phthalate	A	30.0	34.7	0.5722325	0.6623026		15.7	20	
Bis(2-chloroethoxy)methane	A	30.0	25.7	0.3608632	0.3095411	0.3	-14.2	20	
Bis(2-chloroethyl)ether	A	30.0	23.8	1.170226	0.9297023	0.7	-20.6	20 *	
Bis(2-chloroisopropyl)ether	A	30.0	26.9	0.5748273	0.5148115	0.01	-10.4	20	
Bis(2-ethylhexyl)phthalate	A	30.0	28.4	0.7822164	0.7414628		-5.2	20	
Caprolactam	A	30.0	28.5	0.1179593	0.1119053	0.01	-5.1	20	
Carbazole	A	30.0	26.2	1.159135	1.013881	0.01	-12.5	20	
Chrysene	A	30.0	27.2	1.299983	1.178787	0.7	-9.3	20	
Dibenzo(a,h)anthracene	A	30.0	29.2	1.260994	1.229042	0.4	-2.5	20	
Dibenzofuran	A	30.0	28.4	1.762004	1.665382	0.8	-5.5	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	BNA#2	Calibration:	SH50050
Lab File ID:	E20027351.D	Calibration Date:	08/24/25 00:17
Sequence:	S5H2722	Injection Date:	08/27/25
Lab Sample ID:	S5H2722-CCV1	Injection Time:	08:52

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Diethyl phthalate	A	30.0	30.2	1.548876	1.557215	0.01	0.5	20	
Dimethyl phthalate	A	30.0	29.1	1.520105	1.476559	0.01	-2.9	20	
Di-n-butyl phthalate	A	30.0	27.6	1.379409	1.269589	0.01	-8.0	20	
Di-n-octyl phthalate	A	30.0	26.4	1.457014	1.284649	0.01	-11.8	20	
Diphenylamine	A	30.0	26.6	0.6106312	0.5423221		-11.2	20	
Fluoranthene	A	30.0	27.2	1.553638	1.407783	0.6	-9.4	20	
Fluorene	A	30.0	27.9	1.532951	1.426075	0.9	-7.0	20	
Hexachlorobenzene	A	30.0	28.2	0.120151	0.1129474	0.1	-6.0	20	
Hexachlorobutadiene	A	30.0	28.5	0.2275178	0.216205	0.01	-5.0	20	
Hexachlorocyclopentadiene	A	30.0	18.9	0.3600469	0.2269384	0.05	-37.0	20 *	
Hexachloroethane	A	30.0	27.1	0.6730972	0.6073498	0.3	-9.8	20	
Indeno(1,2,3-cd)pyrene	A	30.0	28.8	1.585137	1.519834	0.5	-4.1	20	
Isophorone	A	30.0	27.6	0.7247933	0.6668657	0.4	-8.0	20	
Naphthalene	A	30.0	26.4	1.086243	0.957613	0.7	-11.8	20	
Nitrobenzene	A	30.0	27.5	0.4079569	0.3742486	0.2	-8.3	20	
N-Nitrosodimethylamine	A	30.0	21.8	0.7386134	0.5370122		-27.3	20 *	
N-nitroso-di-n-propylamine	A	30.0	27.8	1.236476	1.143999	0.5	-7.5	20	
N-Nitrosodiphenylamine	A	30.0	26.1	0.2563109	0.2227565	0.01	-13.1	20	
Parathion	A	30.0	31.0	0.1076465	0.1315933		22.2	20 *	
Pentachloronitrobenzene	A	30.0	32.5	0.1058217	0.1145396		8.2	20	
Pentachlorophenol	A	30.0	26.8	0.1111411	0.1129474	0.05	1.6	20	
Phenanthrene	A	30.0	27.2	1.201118	1.08889	0.7	-9.3	20	
Phenol	A	30.0	26.0	1.472143	1.278363	0.8	-13.2	20	
Pyrene	A	30.0	35.9	1.307959	1.565144	0.6	19.7	20	
Pyridine	A	30.0	23.1	1.140547	0.8765817		-23.1	20 *	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

raw data not provided. Revision required

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	BNA #4	Calibration:	SH50055
Lab File ID:	SV4423784a.D	Calibration Date:	08/26/25 08:00
Sequence:	S5H2832	Injection Date:	08/27/25
Lab Sample ID:	S5H2832-CCV1	Injection Time:	18:39

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1-Biphenyl	A	30.0	29.6	0.5849097	0.5766302	0.01	-1.4	20	
1,2,4,5-Tetrachlorobenzene	A	30.0	29.0	0.5528079	0.533587	0.01	-3.5	20	
1,2,4-Trichlorobenzene	A	30.0	28.3	0.3372859	0.3177075		-5.8	20	
1,2-Dichlorobenzene	A	30.0	28.5	1.57934	1.501367		-4.9	20	
1,2-Diphenylhydrazine (as Azobenzene)	A	30.0	30.2	0.762806	0.7666456		0.5	20	
1,3-Dichlorobenzene	A	30.0	28.4	1.559677	1.477355		-5.3	20	
1,4-Dichlorobenzene	A	30.0	28.6	1.67781	1.602111		-4.5	20	
2,3,4,6-Tetrachlorophenol	A	30.0	30.0	0.1517597	0.1515295	0.01	-0.2	20	
2,4,5-Trichlorophenol	A	30.0	28.5	0.417732	0.3969479	0.2	-5.0	20	
2,4,6-Trichlorophenol	A	30.0	29.5	0.3548106	0.349405	0.2	-1.5	20	
2,4-Dichlorophenol	A	30.0	28.2	0.2934897	0.2761832	0.2	-5.9	20	
2,4-Dimethylphenol	A	30.0	29.7	0.2784688	0.2756407	0.2	-1.0	20	
2,4-Dinitrophenol sample ND	A	30.0	90.0	9.013492E-03	2.703755E-02	0.01	200	20 *	
2,4-Dinitrotoluene	A	30.0	31.2	0.4192628	0.4366546	0.2	4.1	20	
2,6-Dinitrotoluene	A	30.0	30.7	0.3049834	0.311711	0.2	2.2	20	
2-Chloronaphthalene	A	30.0	29.3	1.108758	1.082643	0.8	-2.4	20	
2-Chlorophenol	A	30.0	29.2	1.336341	1.302664	0.8	-2.5	20	
2-Methylnaphthalene	A	30.0	28.8	0.7552264	0.725799	0.4	-3.9	20	
2-Methylphenol	A	30.0	31.2	1.060886	1.104548	0.7	4.1	20	
2-Nitroaniline	A	30.0	31.0	0.348959	0.359958	0.01	3.2	20	
2-Nitrophenol	A	30.0	30.9	0.1576091	0.1622744	0.1	3.0	20	
3- & 4-Methylphenols	A	30.0	33.6	2.607143	1.733169	0.6	-33.5	20 *	
3,3-Dichlorobenzidine	A	30.0	37.3	0.4652633	0.5778483	0.01	24.2	20 *	
3-Nitroaniline	A	30.0	31.4	0.3166363	0.3319235	0.01	4.8	20	
4,6-Dinitro-2-methylphenol	A	30.0	33.1	1.508259E-02	2.928502E-02	0.01	10.5	20	
4-Bromophenyl phenyl ether	A	30.0	28.7	0.2561176	0.2448312	0.1	-4.4	20	
4-Chloro-3-methylphenol	A	30.0	28.8	0.3630471	0.3485867	0.2	-4.0	20	
4-Chloroaniline	A	30.0	30.6	0.3748858	0.382766	0.01	2.1	20	
4-Chlorophenyl phenyl ether	A	30.0	29.8	0.7745267	0.7693019	0.4	-0.7	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	BNA #4	Calibration:	SH50055
Lab File ID:	SV4423784a.D	Calibration Date:	08/26/25 08:00
Sequence:	S5H2832	Injection Date:	08/27/25
Lab Sample ID:	S5H2832-CCV1	Injection Time:	18:39

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
4-Nitroaniline	A	30.0	33.6	0.3069215	0.3436116	0.01	12.0	20	
4-Nitrophenol	A	30.0	31.2	0.2591502	0.2699117	0.01	4.2	20	
Acenaphthene	A	30.0	29.3	1.19764	1.17007	0.9	-2.3	20	
Acenaphthylene	A	30.0	29.4	1.865269	1.828109	0.9	-2.0	20	
Acetophenone	A	30.0	31.0	1.934179	1.998042	0.01	3.3	20	
Aniline	A	30.0	31.7	1.580003	1.669493		5.7	20	
Anthracene	A	30.0	29.2	1.227101	1.196051	0.7	-2.5	20	
Atrazine	A	30.0	27.9	0.232334	0.2159869	0.01	-7.0	20	
Benzaldehyde	A	30.0	29.3	0.9177215	0.8970637	0.01	-2.3	20	
Benzidine	A	30.0	47.9	0.5738055	0.9169555		59.8	20 *	
Benzo(a)anthracene	A	30.0	29.4	1.302767	1.274718	0.8	-2.2	20	
Benzo(a)pyrene	A	30.0	29.9	1.04286	1.038446	0.7	-0.4	20	
Benzo(b)fluoranthene	A	30.0	29.9	1.046907	1.042652	0.7	-0.4	20	
Benzo(g,h,i)perylene	A	30.0	29.4	0.6961343	0.6815867	0.5	-2.1	20	
Benzo(k)fluoranthene	A	30.0	29.8	1.187529	1.179088	0.7	-0.7	20	
Benzoic acid	Q	30.0	33.7	0.1019725	0.1366405		12.5	20	
Benzyl alcohol	A	30.0	32.9	0.7987498	0.8749063		9.5	20	
Benzyl butyl phthalate	A	30.0	30.0	0.5747605	0.5757522		0.2	20	
Bis(2-chloroethoxy)methane	A	30.0	29.8	0.3266846	0.3242223	0.3	-0.8	20	
Bis(2-chloroethyl)ether	A	30.0	29.2	1.227117	1.195545	0.7	-2.6	20	
Bis(2-chloroisopropyl)ether	A	30.0	30.3	0.8548758	0.8645519	0.01	1.1	20	
Bis(2-ethylhexyl)phthalate	A	30.0	29.4	0.7983459	0.7817812		-2.1	20	
Caprolactam	A	30.0	28.2	0.1158326	0.1087242	0.01	-6.1	20	
Carbazole	A	30.0	29.8	1.091117	1.083707	0.01	-0.7	20	
Chrysene	A	30.0	28.4	1.25269	1.184255	0.7	-5.5	20	
Dibenzo(a,h)anthracene	A	30.0	29.8	0.8893377	0.8833173	0.4	-0.7	20	
Dibenzofuran	A	30.0	29.4	1.752524	1.716448	0.8	-2.1	20	
Diethyl phthalate	A	30.0	30.1	1.442964	1.448529	0.01	0.4	20	
Dimethyl phthalate	A	30.0	29.5	1.381405	1.358859	0.01	-1.6	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	BNA #4	Calibration:	SH50055
Lab File ID:	SV4423784a.D	Calibration Date:	08/26/25 08:00
Sequence:	S5H2832	Injection Date:	08/27/25
Lab Sample ID:	S5H2832-CCV1	Injection Time:	18:39

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Di-n-butyl phthalate	A	30.0	29.8	1.331279	1.321208	0.01	-0.8	20	
Di-n-octyl phthalate	A	30.0	29.7	1.371691	1.357927	0.01	-1.0	20	
Diphenylamine	A	30.0	29.5	0.5558048	0.5460761		-1.8	20	
Fluoranthene	A	30.0	29.2	1.463279	1.422072	0.6	-2.8	20	
Fluorene	A	30.0	30.2	1.519081	1.528817	0.9	0.6	20	
Hexachlorobenzene	A	30.0	27.7	0.1026793	9.486098E-02	0.1	-7.6	20	
Hexachlorobutadiene	A	30.0	27.2	0.2223087	0.2012241	0.01	-9.5	20	
Hexachlorocyclopentadiene	A	30.0	22.2	8.566129E-03	5.821523E-03	0.05	-26.0	20 *	
Hexachloroethane	A	30.0	28.6	0.559474	0.5336746	0.3	-4.6	20	
Indeno(1,2,3-cd)pyrene	A	30.0	28.9	1.049754	1.012527	0.5	-3.5	20	
Isophorone	A	30.0	29.5	0.6484011	0.6370296	0.4	-1.8	20	
Naphthalene	A	30.0	28.4	1.01712	0.9643733	0.7	-5.2	20	
Nitrobenzene	A	30.0	28.2	0.388243	0.3654075	0.2	-5.9	20	
N-Nitrosodimethylamine	A	30.0	30.7	0.6635301	0.6791482		2.4	20	
N-nitroso-di-n-propylamine	A	30.0	33.4	1.140735	1.26895	0.5	11.2	20	
N-Nitrosodiphenylamine	A	30.0	29.8	0.1909353	0.1897431	0.01	-0.6	20	
Pentachlorophenol	Q	30.0	32.5	7.869126E-02	0.1007468	0.05	8.3	20	
Phenanthrene	A	30.0	29.3	1.160745	1.135215	0.7	-2.2	20	
Phenol	A	30.0	30.3	1.708948	1.728396	0.8	1.1	20	
Pyrene	A	30.0	29.4	1.30772	1.282593	0.6	-1.9	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

page added from rev 1

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	BNA #4	Calibration:	SH50055
Lab File ID:	SV4423784a.D	Calibration Date:	08/26/25 08:00
Sequence:	S5H2832	Injection Date:	08/27/25
Lab Sample ID:	S5H2832-CCV1	Injection Time:	18:39

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
1,1-Biphenyl	A	30.0	29.6	0.5849097	0.5766302	0.01	-1.4	20	
1,2,4,5-Tetrachlorobenzene	A	30.0	29.0	0.5528079	0.533587	0.01	-3.5	20	
1,2,4-Trichlorobenzene	A	30.0	28.3	0.3372859	0.3177075		-5.8	20	
1,2-Dichlorobenzene	A	30.0	28.5	1.57934	1.501367		-4.9	20	
1,2-Diphenylhydrazine (as Azobenzene)	A	30.0	30.2	0.762806	0.7666456		0.5	20	
1,3-Dichlorobenzene	A	30.0	28.4	1.559677	1.477355		-5.3	20	
1,4-Dichlorobenzene	A	30.0	28.6	1.67781	1.602111		-4.5	20	
2,3,4,6-Tetrachlorophenol	A	30.0	30.0	0.1517597	0.1515295	0.01	-0.2	20	
2,4,5-Trichlorophenol	A	30.0	28.5	0.417732	0.3969479	0.2	-5.0	20	
2,4,6-Trichlorophenol	A	30.0	29.5	0.3548106	0.349405	0.2	-1.5	20	
2,4-Dichlorophenol	A	30.0	28.2	0.2934897	0.2761832	0.2	-5.9	20	
2,4-Dimethylphenol	A	30.0	29.7	0.2784688	0.2756407	0.2	-1.0	20	
2,4-Dinitrophenol sample ND ✓	A	30.0	90.0	9.013492E-03	2.703755E-02	0.01	200	20	*
2,4-Dinitrotoluene	A	30.0	31.2	0.4192628	0.4366546	0.2	4.1	20	
2,6-Dinitrotoluene	A	30.0	30.7	0.3049834	0.311711	0.2	2.2	20	
2-Chloronaphthalene	A	30.0	29.3	1.108758	1.082643	0.8	-2.4	20	
2-Chlorophenol	A	30.0	29.2	1.336341	1.302664	0.8	-2.5	20	
2-Methylnaphthalene	A	30.0	28.8	0.7552264	0.725799	0.4	-3.9	20	
2-Methylphenol	A	30.0	31.2	1.060886	1.104548	0.7	4.1	20	
2-Nitroaniline	A	30.0	31.0	0.348959	0.359958	0.01	3.2	20	
2-Nitrophenol	A	30.0	30.9	0.1576091	0.1622744	0.1	3.0	20	
3- & 4-Methylphenols UJ:CV- ✓	A	30.0	33.6	2.607143	1.733169	0.6	-33.5	20	*
3,3-Dichlorobenzidine sample ND	A	30.0	37.3	0.4652633	0.5778483	0.01	24.2	20	*
3-Nitroaniline	A	30.0	31.4	0.3166363	0.3319235	0.01	4.8	20	
4,6-Dinitro-2-methylphenol	A	30.0	33.1	1.508259E-02	2.928502E-02	0.01	10.5	20	
4-Bromophenyl phenyl ether	A	30.0	28.7	0.2561176	0.2448312	0.1	-4.4	20	
4-Chloro-3-methylphenol	A	30.0	28.8	0.3630471	0.3485867	0.2	-4.0	20	
4-Chloroaniline	A	30.0	30.6	0.3748858	0.382766	0.01	2.1	20	
4-Chlorophenyl phenyl ether	A	30.0	29.8	0.7745267	0.7693019	0.4	-0.7	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	BNA #4	Calibration:	SH50055
Lab File ID:	SV4423784a.D	Calibration Date:	08/26/25 08:00
Sequence:	S5H2832	Injection Date:	08/27/25
Lab Sample ID:	S5H2832-CCV1	Injection Time:	18:39

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
4-Nitroaniline	A	30.0	33.6	0.3069215	0.3436116	0.01	12.0	20	
4-Nitrophenol	A	30.0	31.2	0.2591502	0.2699117	0.01	4.2	20	
Acenaphthene	A	30.0	29.3	1.19764	1.17007	0.9	-2.3	20	
Acenaphthylene	A	30.0	29.4	1.865269	1.828109	0.9	-2.0	20	
Acetophenone	A	30.0	31.0	1.934179	1.998042	0.01	3.3	20	
Aniline	A	30.0	31.7	1.580003	1.669493		5.7	20	
Anthracene	A	30.0	29.2	1.227101	1.196051	0.7	-2.5	20	
Atrazine	A	30.0	27.9	0.232334	0.2159869	0.01	-7.0	20	
Benzaldehyde	A	30.0	29.3	0.9177215	0.8970637	0.01	-2.3	20	
Benzidine sample ND	A	30.0	47.9	0.5738055	0.9169555		59.8	20	*
Benzo(a)anthracene	A	30.0	29.4	1.302767	1.274718	0.8	-2.2	20	
Benzo(a)pyrene	A	30.0	29.9	1.04286	1.038446	0.7	-0.4	20	
Benzo(b)fluoranthene	A	30.0	29.9	1.046907	1.042652	0.7	-0.4	20	
Benzo(g,h,i)perylene	A	30.0	29.4	0.6961343	0.6815867	0.5	-2.1	20	
Benzo(k)fluoranthene	A	30.0	29.8	1.187529	1.179088	0.7	-0.7	20	
Benzoic acid	Q	30.0	33.7	0.1019725	0.1366405		12.5	20	
Benzyl alcohol	A	30.0	32.9	0.7987498	0.8749063		9.5	20	
Benzyl butyl phthalate	A	30.0	30.0	0.5747605	0.5757522		0.2	20	
Bis(2-chloroethoxy)methane	A	30.0	29.8	0.3266846	0.3242223	0.3	-0.8	20	
Bis(2-chloroethyl)ether	A	30.0	29.2	1.227117	1.195545	0.7	-2.6	20	
Bis(2-chloroisopropyl)ether	A	30.0	30.3	0.8548758	0.8645519	0.01	1.1	20	
Bis(2-ethylhexyl)phthalate	A	30.0	29.4	0.7983459	0.7817812		-2.1	20	
Caprolactam	A	30.0	28.2	0.1158326	0.1087242	0.01	-6.1	20	
Carbazole	A	30.0	29.8	1.091117	1.083707	0.01	-0.7	20	
Chrysene	A	30.0	28.4	1.25269	1.184255	0.7	-5.5	20	
Dibenzo(a,h)anthracene	A	30.0	29.8	0.8893377	0.8833173	0.4	-0.7	20	
Dibenzofuran	A	30.0	29.4	1.752524	1.716448	0.8	-2.1	20	
Diethyl phthalate	A	30.0	30.1	1.442964	1.448529	0.01	0.4	20	
Dimethyl phthalate	A	30.0	29.5	1.381405	1.358859	0.01	-1.6	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	BNA #4	Calibration:	SH50055
Lab File ID:	SV4423784a.D	Calibration Date:	08/26/25 08:00
Sequence:	S5H2832	Injection Date:	08/27/25
Lab Sample ID:	S5H2832-CCV1	Injection Time:	18:39

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Di-n-butyl phthalate	A	30.0	29.8	1.331279	1.321208	0.01	-0.8	20	
Di-n-octyl phthalate	A	30.0	29.7	1.371691	1.357927	0.01	-1.0	20	
Diphenylamine	A	30.0	29.5	0.5558048	0.5460761		-1.8	20	
Fluoranthene	A	30.0	29.2	1.463279	1.422072	0.6	-2.8	20	
Fluorene	A	30.0	30.2	1.519081	1.528817	0.9	0.6	20	
Hexachlorobenzene	A	30.0	27.7	0.1026793	9.486098E-02	0.1	-7.6	20	
Hexachlorobutadiene	A	30.0	27.2	0.2223087	0.2012241	0.01	-9.5	20	
Hexachlorocyclopentadiene	A	30.0	22.2	8.566129E-03	5.821523E-03	0.05	-26.0	20 *	
Hexachloroethane	A	30.0	28.6	0.559474	0.5336746	0.3	-4.6	20	
Indeno(1,2,3-cd)pyrene	A	30.0	28.9	1.049754	1.012527	0.5	-3.5	20	
Isophorone	A	30.0	29.5	0.6484011	0.6370296	0.4	-1.8	20	
Naphthalene	A	30.0	28.4	1.01712	0.9643733	0.7	-5.2	20	
Nitrobenzene	A	30.0	28.2	0.388243	0.3654075	0.2	-5.9	20	
N-Nitrosodimethylamine	A	30.0	30.7	0.6635301	0.6791482		2.4	20	
N-nitroso-di-n-propylamine	A	30.0	33.4	1.140735	1.26895	0.5	11.2	20	
N-Nitrosodiphenylamine	A	30.0	29.8	0.1909353	0.1897431	0.01	-0.6	20	
Pentachlorophenol	Q	30.0	32.5	7.869126E-02	0.1007468	0.05	8.3	20	
Phenanthrene	A	30.0	29.3	1.160745	1.135215	0.7	-2.2	20	
Phenol	A	30.0	30.3	1.708948	1.728396	0.8	1.1	20	
Pyrene	A	30.0	29.4	1.30772	1.282593	0.6	-1.9	20	

UJ:CV-

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

BENCHSHEETS

SDG: 25H1532

CLASS: SVOA

METHOD: EPA 8270E

PREPARATION BENCH SHEET : BH51930

Preparation Date: 08/26/2025 09:04

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	Final	Basic	Decanted If applicable Y/N	Comments
25H1532-01 F	SVOA, 8270 MASTER	30.4	1										rocky
BH51930-BLK1	SVOA, 8270 MASTER	30	1										
BH51930-BS1	SVOA, 8270 MASTER	30	1	S25E565	500								

Reagent

Standard/Reagent ID	Description	LotNum
S24B105	Methylene Chloride HW	EH655
S25G052	Sodium Sulfate, Anhydrous	502210
S25H070	Baked Sodium Sulfate	502210

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25E565	EXT BNA COMP SPIKE SOILS (50 ug/ml)	05082025	500

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25G533	EXT- BNA Surrogate	07302025	1000

Preparations Performed by Joline A Alisa **Date:** **07/30/2025 22:13**

METHOD DETECTION AND REPORTING LIMITS

EPA 8260D

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: SOIL **Instrument:** MS VOA 2

Analyte	LOD	LOQ	Units
1,1,1,2-Tetrachloroethane	0.0025	0.0050	mg/kg
1,1,1-Trichloroethane	0.0025	0.0050	mg/kg
1,1,2,2-Tetrachloroethane	0.0025	0.0050	mg/kg
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0025	0.0050	mg/kg
1,1,2-Trichloroethane	0.0025	0.0050	mg/kg
1,1-Dichloroethane	0.0025	0.0050	mg/kg
1,1-Dichloroethylene	0.0025	0.0050	mg/kg
1,2,3-Trichlorobenzene	0.0025	0.0050	mg/kg
1,2,3-Trichloropropane	0.0025	0.0050	mg/kg
1,2,4-Trichlorobenzene	0.0025	0.0050	mg/kg
1,2,4-Trimethylbenzene	0.0025	0.0050	mg/kg
1,2-Dibromo-3-chloropropane	0.0025	0.0050	mg/kg
1,2-Dibromoethane	0.0025	0.0050	mg/kg
1,2-Dichlorobenzene	0.0025	0.0050	mg/kg
1,2-Dichloroethane	0.0025	0.0050	mg/kg
1,2-Dichloropropane	0.0025	0.0050	mg/kg
1,3,5-Trimethylbenzene	0.0025	0.0050	mg/kg
1,3-Dichlorobenzene	0.0025	0.0050	mg/kg
1,4-Dichlorobenzene	0.0025	0.0050	mg/kg
2-Butanone	0.0025	0.0050	mg/kg
2-Hexanone	0.0025	0.0050	mg/kg
4-Methyl-2-pentanone	0.0025	0.0050	mg/kg
Acetone	0.0050	0.010	mg/kg
Acrolein	0.0050	0.010	mg/kg
Acrylonitrile	0.0025	0.0050	mg/kg
Benzene	0.0025	0.0050	mg/kg
Bromochloromethane	0.0025	0.0050	mg/kg
Bromodichloromethane	0.0025	0.0050	mg/kg
Bromoform	0.0025	0.0050	mg/kg
Bromomethane	0.0025	0.0050	mg/kg
Carbon disulfide	0.0025	0.0050	mg/kg
Carbon tetrachloride	0.0025	0.0050	mg/kg
Chlorobenzene	0.0025	0.0050	mg/kg

METHOD DETECTION AND REPORTING LIMITS

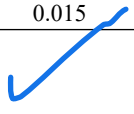
EPA 8260D

Laboratory: ALS Environmental - Stratford **SDG:** 25H1532

Client: Terracon Consultants, Inc. **Project:** JA257006 Task 10.2

Matrix: SOIL **Instrument:** MS VOA 2

Analyte	LOD	LOQ	Units
Chloroethane	0.0025	0.0050	mg/kg
Chloroform	0.0025	0.0050	mg/kg
Chloromethane	0.0025	0.0050	mg/kg
cis-1,2-Dichloroethylene	0.0025	0.0050	mg/kg
cis-1,3-Dichloropropylene	0.0025	0.0050	mg/kg
Cyclohexane	0.0025	0.0050	mg/kg
Dibromochloromethane	0.0025	0.0050	mg/kg
Dibromomethane	0.0025	0.0050	mg/kg
Dichlorodifluoromethane	0.0025	0.0050	mg/kg
Ethyl Benzene	0.0025	0.0050	mg/kg
Hexachlorobutadiene	0.0025	0.0050	mg/kg
Isopropylbenzene	0.0025	0.0050	mg/kg
Methyl acetate	0.0025	0.0050	mg/kg
Methyl tert-butyl ether (MTBE)	0.0025	0.0050	mg/kg
Methylcyclohexane	0.0025	0.0050	mg/kg
Methylene chloride	0.0050	0.010	mg/kg
n-Butylbenzene	0.0025	0.0050	mg/kg
n-Propylbenzene	0.0025	0.0050	mg/kg
o-Xylene	0.0025	0.0050	mg/kg
p- & m- Xylenes	0.0050	0.010	mg/kg
p-Isopropyltoluene	0.0025	0.0050	mg/kg
sec-Butylbenzene	0.0025	0.0050	mg/kg
Styrene	0.0025	0.0050	mg/kg
tert-Butyl alcohol (TBA)	0.012	0.025	mg/kg
tert-Butylbenzene	0.0025	0.0050	mg/kg
Tetrachloroethylene	0.0025	0.0050	mg/kg
Toluene	0.0025	0.0050	mg/kg
trans-1,2-Dichloroethylene	0.0025	0.0050	mg/kg
trans-1,3-Dichloropropylene	0.0025	0.0050	mg/kg
trans-1,4-dichloro-2-butene	0.0025	0.0050	mg/kg
Trichloroethylene	0.0025	0.0050	mg/kg
Trichlorofluoromethane	0.0025	0.0050	mg/kg
Vinyl Chloride	0.0025	0.0050	mg/kg
Xylenes, Total	0.0075	0.015	mg/kg



Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID: 25H1532-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Volatile Organic Compounds by GC/MS

14 days

Sample Prepared by Method: EPA 5035A

Results Reported to MDL % Solids: 88.51

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
75-34-3	1,1-Dichloroethane	ND	QL-02, CCVE, ICVE	mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
87-61-6	1,2,3-Trichlorobenzene	ND	QL-02	mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
120-82-1	1,2,4-Trichlorobenzene	ND	QL-02	mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
78-93-3	2-Butanone	ND	QL-02, ICVE	mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
67-64-1	**Acetone**	0.049	QL-02, CCVE	mg/kg dry	0.0082	0.0041	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
107-02-8	Acrolein	ND		mg/kg dry	0.0082	0.0041	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
107-13-1	Acrylonitrile	ND	QL-02, CCVE, ICVE	mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
71-43-2	Benzene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
75-25-2	Bromoform	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
74-83-9	Bromomethane	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
75-15-0	**Carbon disulfide**	0.0025	J	mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
75-00-3	Chloroethane	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS

Sample Information

Client Sample ID: **HVAC - Spoils** **Sample ID: 25H1532-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1532	JA257006 Task 10.2	Soil	August 20, 2025 1:07 pm	08/21/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5035A

Results Reported to MDL

% Solids: 88.51

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
67-66-3	Chloroform	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
74-87-3	Chloromethane	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
87-68-3	Hexachlorobutadiene	ND	QL-02	mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0082	0.0041	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
104-51-8	n-Butylbenzene	ND	QL-02	mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
95-47-6	o-Xylene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0082	0.0041	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
100-42-5	Styrene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.020	0.010	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
108-88-3	Toluene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.012	0.0061	1	EPA 8260D	08/22/2025 07:40	08/22/2025 17:35	PRS
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*106 %*			*77-125*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*			*76-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*108 %*			*85-120*						

recoveries reviewed on sample result pages

FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H2227	Instrument:	MS VOA 2
Batch:	BH51730	Calibration:	SH50043

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BH51730-BS1)			Lab File ID: V2-637309.D		Analyzed: 08/22/25 08:01			
SURR: 1,2-Dichloroethane-d4	10.0	510	77 - 125	5.065	5.071667	-0.0067	+/-0.50	*
SURR: Toluene-d8	10.0	517	85 - 120	6.711	6.715	-0.0040	+/-0.50	*
SURR: p-Bromofluorobenzene	10.0	558	76 - 130	9.46	9.466	-0.0060	+/-0.50	*
LCS Dup (BH51730-BSD1)			Lab File ID: V2-637310.D		Analyzed: 08/22/25 08:30			
SURR: 1,2-Dichloroethane-d4	10.0	504	77 - 125	5.071	5.071667	-0.0007	+/-0.50	*
SURR: Toluene-d8	10.0	514	85 - 120	6.711	6.715	-0.0040	+/-0.50	*
SURR: p-Bromofluorobenzene	10.0	560	76 - 130	9.46	9.466	-0.0060	+/-0.50	*
Blank (BH51730-BLK1)			Lab File ID: V2-637311.D		Analyzed: 08/22/25 08:58			
SURR: 1,2-Dichloroethane-d4	10.0	518	77 - 125	5.071	5.071667	-0.0007	+/-0.50	*
SURR: Toluene-d8	10.0	553	85 - 120	6.711	6.715	-0.0040	+/-0.50	*
SURR: p-Bromofluorobenzene	10.0	582	76 - 130	9.466	9.466	0.0000	+/-0.50	*
HVAC - Spoils (25H1532-01)			Lab File ID: V2-637329.D		Analyzed: 08/22/25 17:35			
SURR: 1,2-Dichloroethane-d4	50.0	106	77 - 125	5.071	5.071667	-0.0007	+/-0.50	
SURR: Toluene-d8	50.0	108	85 - 120	6.717	6.715	0.0020	+/-0.50	
SURR: p-Bromofluorobenzene	50.0	108	76 - 130	9.466	9.466	0.0000	+/-0.50	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BH51730	Laboratory ID:	BH51730-BS1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.	Q
1,1,1,2-Tetrachloroethane	50.0	47.0	94.1	75 - 129	
1,1,1-Trichloroethane	50.0	44.1	88.2	71 - 137	
1,1,2,2-Tetrachloroethane	50.0	55.2	110	79 - 129	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	52.5	105	58 - 146	
1,1,2-Trichloroethane	50.0	49.9	99.7	83 - 123	
1,1-Dichloroethane	50.0	23.6	47.3 *	75 - 130	
1,1-Dichloroethylene	50.0	56.2	112	64 - 137	
1,2,3-Trichlorobenzene	50.0	44.1	88.2	81 - 140	
1,2,3-Trichloropropane	50.0	51.6	103	81 - 126	
1,2,4-Trichlorobenzene	50.0	43.5	87.0	80 - 141	
1,2,4-Trimethylbenzene	50.0	50.7	101	84 - 125	
1,2-Dibromo-3-chloropropane	50.0	45.0	89.9	74 - 142	
1,2-Dibromoethane	50.0	48.6	97.2	86 - 123	
1,2-Dichlorobenzene	50.0	48.7	97.5	85 - 122	
1,2-Dichloroethane	50.0	46.3	92.6	71 - 133	
1,2-Dichloropropane	50.0	51.1	102	81 - 122	
1,3,5-Trimethylbenzene	50.0	49.8	99.6	82 - 126	
1,3-Dichlorobenzene	50.0	51.4	103	84 - 124	
1,4-Dichlorobenzene	50.0	52.6	105	84 - 124	
2-Butanone	50.0	7.51	15.0 *	58 - 147	
2-Hexanone	50.0	44.6	89.2	70 - 139	
4-Methyl-2-pentanone	50.0	44.7	89.4	72 - 132	
Acetone	50.0	89.3	179 *	36 - 155	
Acrolein	50.0	76.6	153	10 - 238	
Acrylonitrile	50.0	28.6	57.2 *	66 - 141	
Benzene	50.0	44.2	88.5	77 - 127	
Bromochloromethane	50.0	54.9	110	74 - 129	

Sample qualified UJ:LC- for 1,1-Dichloroethane, Acrylonitrile. sample qualified UR:LC- for 2-Butanone. sample qualified J+:LC+ for Acetone

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BH51730	Laboratory ID:	BH51730-BS1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.	Q
Bromodichloromethane	50.0	48.2	96.4	81 - 124	
Bromoform	50.0	48.5	97.1	80 - 136	
Bromomethane	50.0	51.9	104	32 - 177	
Carbon disulfide	50.0	56.4	113	10 - 136	
Carbon tetrachloride	50.0	44.0	88.1	66 - 143	
Chlorobenzene	50.0	47.7	95.3	86 - 120	
Chloroethane	50.0	56.1	112	51 - 142	
Chloroform	50.0	45.3	90.6	76 - 131	
Chloromethane	50.0	41.3	82.7	49 - 132	
cis-1,2-Dichloroethylene	50.0	48.9	97.7	74 - 132	
cis-1,3-Dichloropropylene	50.0	49.9	99.8	81 - 129	
Cyclohexane	50.0	43.5	87.1	70 - 130	
Dibromochloromethane	50.0	47.3	94.7	10 - 200	
Dibromomethane	50.0	46.3	92.6	83 - 124	
Dichlorodifluoromethane	50.0	36.8	73.6	28 - 158	
Ethyl Benzene	50.0	50.9	102	84 - 125	
Hexachlorobutadiene	50.0	42.4	84.7	83 - 133	
Isopropylbenzene	50.0	50.7	101	81 - 127	
Methyl acetate	50.0	95.2	190 *	41 - 143	
Methyl tert-butyl ether (MTBE)	50.0	53.1	106	74 - 131	
Methylcyclohexane	50.0	47.7	95.4	70 - 130	
Methylene chloride	50.0	61.4	123	57 - 141	
n-Butylbenzene	50.0	36.8	73.5 *	80 - 130	
n-Propylbenzene	50.0	46.8	93.6	74 - 136	
o-Xylene	50.0	48.2	96.5	83 - 123	
p- & m- Xylenes	100	107	107	82 - 128	
p-Isopropyltoluene	50.0	48.8	97.7	85 - 125	

Sample qualified UJ:LC- for n-Butylbenzene. Sample ND for Methyl acetate so no qual

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BH51730	Laboratory ID:	BH51730-BS1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.	Q
sec-Butylbenzene	50.0	52.1	104	83 - 125	
Styrene	50.0	51.1	102	86 - 126	
tert-Butyl alcohol (TBA)	250	252	101	70 - 130	
tert-Butylbenzene	50.0	41.0	81.9	80 - 127	
Tetrachloroethylene	50.0	36.2	72.4 *	80 - 129	
Toluene	50.0	49.5	98.9	85 - 121	
trans-1,2-Dichloroethylene	50.0	56.2	112	72 - 132	
trans-1,3-Dichloropropylene	50.0	48.6	97.3	78 - 132	
trans-1,4-dichloro-2-butene	50.0	49.6	99.2	75 - 135	
Trichloroethylene	50.0	46.6	93.2	84 - 123	
Trichlorofluoromethane	50.0	52.6	105	62 - 140	
Vinyl Chloride	50.0	46.4	92.8	52 - 130	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Sample qualified UJ:LC- for Tetrachloroethylene

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BH51730	Laboratory ID:	BH51730-BSD1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
1,1,1,2-Tetrachloroethane	50.0	44.8	89.7	4.75	30	75 - 129	
1,1,1-Trichloroethane	50.0	42.8	85.6	2.95	30	71 - 137	
1,1,2,2-Tetrachloroethane	50.0	53.6	107	3.01	30	79 - 129	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	51.6	103	1.63	30	58 - 146	
1,1,2-Trichloroethane	50.0	47.7	95.3	4.53	30	83 - 123	
1,1-Dichloroethane	50.0	27.5	54.9 *	15.0	30	75 - 130	
1,1-Dichloroethylene	50.0	55.5	111	1.13	30	64 - 137	
1,2,3-Trichlorobenzene	50.0	40.2	80.4 *	9.18	30	81 - 140	
1,2,3-Trichloropropane	50.0	49.8	99.5	3.57	30	81 - 126	
1,2,4-Trichlorobenzene	50.0	39.1	78.2 *	10.7	30	80 - 141	
1,2,4-Trimethylbenzene	50.0	48.2	96.4	5.08	30	84 - 125	
1,2-Dibromo-3-chloropropane	50.0	43.7	87.5	2.80	30	74 - 142	
1,2-Dibromoethane	50.0	47.0	94.0	3.33	30	86 - 123	
1,2-Dichlorobenzene	50.0	46.9	93.9	3.76	30	85 - 122	
1,2-Dichloroethane	50.0	44.3	88.5	4.55	30	71 - 133	
1,2-Dichloropropane	50.0	49.7	99.4	2.80	30	81 - 122	
1,3,5-Trimethylbenzene	50.0	47.1	94.3	5.45	30	82 - 126	
1,3-Dichlorobenzene	50.0	49.0	98.0	4.72	30	84 - 124	
1,4-Dichlorobenzene	50.0	50.4	101	4.23	30	84 - 124	
2-Butanone	50.0	7.15	14.3 *	4.91	30	58 - 147	
2-Hexanone	50.0	42.9	85.8	3.86	30	70 - 139	
4-Methyl-2-pentanone	50.0	43.0	86.1	3.76	30	72 - 132	
Acetone	50.0	85.7	171 *	4.10	30	36 - 155	
Acrolein	50.0	74.2	148	3.18	30	10 - 238	
Acrylonitrile	50.0	45.7	91.5	46.2 *	30	66 - 141	
Benzene	50.0	42.7	85.3	3.61	30	77 - 127	
Bromochloromethane	50.0	53.6	107	2.42	30	74 - 129	

Sample qualified UJ:LC- for 1,1-Dichloroethane, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene. sample qualified UR:LC- for 2-Butanone. sample qualified J+:LC+ for Acetone. Sample ND for acrylonitrile so no qual for RPD impercision

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BH51730	Laboratory ID:	BH51730-BSD1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
Bromodichloromethane	50.0	45.6	91.2	5.50	30	81 - 124	
Bromoform	50.0	45.6	91.1	6.36	30	80 - 136	
Bromomethane	50.0	53.2	106	2.36	30	32 - 177	
Carbon disulfide	50.0	55.7	111	1.16	30	10 - 136	
Carbon tetrachloride	50.0	42.2	84.4	4.34	30	66 - 143	
Chlorobenzene	50.0	45.9	91.7	3.83	30	86 - 120	
Chloroethane	50.0	56.8	114	1.33	30	51 - 142	
Chloroform	50.0	43.5	87.1	3.98	30	76 - 131	
Chloromethane	50.0	41.2	82.3	0.436	30	49 - 132	
cis-1,2-Dichloroethylene	50.0	47.5	95.0	2.86	30	74 - 132	
cis-1,3-Dichloropropylene	50.0	47.8	95.7	4.21	30	81 - 129	
Cyclohexane	50.0	42.5	84.9	2.47	30	70 - 130	
Dibromochloromethane	50.0	44.8	89.5	5.60	30	10 - 200	
Dibromomethane	50.0	43.7	87.4	5.71	30	83 - 124	
Dichlorodifluoromethane	50.0	36.4	72.9	1.04	30	28 - 158	
Ethyl Benzene	50.0	49.1	98.2	3.60	30	84 - 125	
Hexachlorobutadiene	50.0	36.0	72.1 *	16.1	30	83 - 133	
Isopropylbenzene	50.0	48.2	96.4	5.08	30	81 - 127	
Methyl acetate	50.0	91.8	184 *	3.59	30	41 - 143	
Methyl tert-butyl ether (MTBE)	50.0	51.5	103	3.06	30	74 - 131	
Methylcyclohexane	50.0	45.0	90.0	5.78	30	70 - 130	
Methylene chloride	50.0	60.7	121	1.25	30	57 - 141	
n-Butylbenzene	50.0	34.8	69.7 *	5.39	30	80 - 130	
n-Propylbenzene	50.0	44.9	89.8	4.17	30	74 - 136	
o-Xylene	50.0	46.0	92.0	4.71	30	83 - 123	
p- & m- Xylenes	100	103	103	3.74	30	82 - 128	
p-Isopropyltoluene	50.0	45.7	91.5	6.58	30	85 - 125	
sec-Butylbenzene	50.0	49.1	98.3	5.87	30	83 - 125	

sample qual UJ:LC- for Hexachlorobutadiene and n-Butylbenzene. Sample ND for methyl acetate so no qual

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Matrix:	Soil		
Batch:	BH51730	Laboratory ID:	BH51730-BSD1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
Styrene	50.0	49.3	98.5	3.69	30	86 - 126	
tert-Butyl alcohol (TBA)	250	250	99.9	0.778	30	70 - 130	
tert-Butylbenzene	50.0	38.6	77.1 *	6.01	30	80 - 127	
Tetrachloroethylene	50.0	34.4	68.8 *	5.10	30	80 - 129	
Toluene	50.0	47.7	95.3	3.69	30	85 - 121	
trans-1,2-Dichloroethylene	50.0	55.5	111	1.13	30	72 - 132	
trans-1,3-Dichloropropylene	50.0	46.5	93.1	4.45	30	78 - 132	
trans-1,4-dichloro-2-butene	50.0	45.2	90.4	9.28	30	75 - 135	
Trichloroethylene	50.0	45.3	90.5	2.94	30	84 - 123	
Trichlorofluoromethane	50.0	51.9	104	1.34	30	62 - 140	
Vinyl Chloride	50.0	48.1	96.1	3.47	30	52 - 130	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

sample qual UJ:LC- for tert-Butylbenzene and Tetrachloroethylene

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Batch:	BH51730 Batch Matrix: Soil	Preparation:	EPA 5035A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC - Spoils	25H1532-01	V2-637329.D	08/22/25 07:40	
Blank	BH51730-BLK1	V2-637311.D	08/22/25 07:40	
LCS	BH51730-BS1	V2-637309.D	08/22/25 07:40	
LCS Dup	BH51730-BSD1	V2-637310.D	08/22/25 07:40	



FORM I

CLEAN BLANK

METHOD BLANK DATA SHEET
EPA 8260D

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51730-BLK1
Project:	JA257006 Task 10.2			Calibration:	SH50043
Preparation:	EPA 5035A	Prepared:	08/22/25 07:40	File ID:	V2-637311.D
Instrument:	MS VOA 2	Analyzed:	08/22/25 08:58	Initial/Final:	5 g / 5 ml
Batch:	BH51730	Sequence:	S5H2227	Matrix:	Soil

Analyzed by: ALS Environmental - Stratford

Volatile Organic Compounds by GC/MS
Sample Prepared by Method: EPA 5035A

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
71-55-6	1,1,1-Trichloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
79-00-5	1,1,2-Trichloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
75-34-3	1,1-Dichloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
75-35-4	1,1-Dichloroethylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
96-18-4	1,2,3-Trichloropropane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
106-93-4	1,2-Dibromoethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
95-50-1	1,2-Dichlorobenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
107-06-2	1,2-Dichloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
78-87-5	1,2-Dichloropropane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
541-73-1	1,3-Dichlorobenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
106-46-7	1,4-Dichlorobenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
78-93-3	2-Butanone	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
591-78-6	2-Hexanone	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
108-10-1	4-Methyl-2-pentanone	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
67-64-1	Acetone	ND		mg/kg wet	0.010	0.0050	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
107-02-8	Acrolein	ND		mg/kg wet	0.010	0.0050	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
107-13-1	Acrylonitrile	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
71-43-2	Benzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
74-97-5	Bromochloromethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
75-27-4	Bromodichloromethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
75-25-2	Bromoform	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
74-83-9	Bromomethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
75-15-0	Carbon disulfide	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
56-23-5	Carbon tetrachloride	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
108-90-7	Chlorobenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
75-00-3	Chloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
67-66-3	Chloroform	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
74-87-3	Chloromethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
110-82-7	Cyclohexane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
124-48-1	Dibromochloromethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
74-95-3	Dibromomethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
75-71-8	Dichlorodifluoromethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
100-41-4	Ethyl Benzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	

FORM I

METHOD BLANK DATA SHEET
EPA 8260D

Laboratory:	ALS Environmental - Stratford			SDG:	25H1532
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51730-BLK1
Project:	JA257006 Task 10.2			Calibration:	SH50043
Preparation:	EPA 5035A	Prepared:	08/22/25 07:40	File ID:	V2-637311.D
Instrument:	MS VOA 2	Analyzed:	08/22/25 08:58	Initial/Final:	5 g / 5 ml
Batch:	BH51730	Sequence:	S5H2227	Matrix:	Soil

Volatile Organic Compounds by GC/MS
Sample Prepared by Method: EPA 5035A

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
98-82-8	Isopropylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
79-20-9	Methyl acetate	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
108-87-2	Methylcyclohexane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
75-09-2	Methylene chloride	ND		mg/kg wet	0.010	0.0050	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
104-51-8	n-Butylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
103-65-1	n-Propylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
95-47-6	o-Xylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
179601-23-1	p- & m- Xylenes	ND		mg/kg wet	0.010	0.0050	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
99-87-6	p-Isopropyltoluene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
135-98-8	sec-Butylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
100-42-5	Styrene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg wet	0.025	0.012	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
98-06-6	tert-Butylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
127-18-4	Tetrachloroethylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
108-88-3	Toluene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
110-57-6	trans-1,4-dichloro-2-butene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
79-01-6	Trichloroethylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
75-69-4	Trichlorofluoromethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
75-01-4	Vinyl Chloride	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	
1330-20-7	Xylenes, Total	ND		mg/kg wet	0.015	0.0075	1	EPA 8260D	08/22/25 07:40	08/22/25 08:58	

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	SURR: 1,2-Dichloroethane-d4	*518 %*	*77-125*
460-00-4	SURR: p-Bromofluorobenzene	*582 %*	*76-130*
2037-26-5	SURR: Toluene-d8	*553 %*	*85-120*

FORM V **MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK**

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Lab File ID:	V2-637078.D	Injection Date:	08/12/25
Instrument ID:	MS VOA 2	Injection Time:	13:44
Sequence:	S5H1911	Lab Sample ID:	S5H1911-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	15.7	PASS
75	30 - 60% of 95	46.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.64	PASS
173	Less than 2% of 174	0.685	PASS
174	50 - 100% of 95	85.2	PASS
175	5 - 9% of 174	7.23	PASS
176	95 - 101% of 174	97	PASS
177	5 - 10% of 176	6.83	PASS



FORM V **MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK**

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Lab File ID:	V2-637307.D	Injection Date:	08/22/25
Instrument ID:	MS VOA 2	Injection Time:	06:58
Sequence:	S5H2227	Lab Sample ID:	S5H2227-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	16.9	PASS
75	30 - 60% of 95	48.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.48	PASS
173	Less than 2% of 174	0.875	PASS
174	50 - 100% of 95	83.9	PASS
175	5 - 9% of 174	7.06	PASS
176	95 - 101% of 174	96.6	PASS
177	5 - 10% of 176	6.6	PASS



FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H1911	Instrument:	MS VOA 2
		Calibration:	SH50043

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H1911-TUN1	V2-637078.D	08/12/25 13:44
Cal Standard	S5H1911-CAL1	V2-637081.D	08/12/25 15:45
Cal Standard	S5H1911-CAL2	V2-637082.D	08/12/25 16:14
Cal Standard	S5H1911-CAL3	V2-637083.D	08/12/25 16:43
Cal Standard	S5H1911-CAL4	V2-637084.D	08/12/25 17:11
Cal Standard	S5H1911-CAL5	V2-637085.D	08/12/25 17:40
Cal Standard	S5H1911-CAL6	V2-637086.D	08/12/25 18:09
Cal Standard	S5H1911-CAL7	V2-637087.D	08/12/25 18:37
Cal Standard	S5H1911-CAL8	V2-637088.D	08/12/25 19:06
Cal Standard	S5H1911-CAL9	V2-637089.D	08/12/25 19:35
Secondary Cal Check	S5H1911-SCV1	V2-637097.D	08/13/25 11:24

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Sequence:	S5H2227	Instrument:	MS VOA 2
		Calibration:	SH50043

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H2227-TUN1	V2-637307.D	08/22/25 06:58
Calibration Check	S5H2227-CCV1	V2-637308.D	08/22/25 07:27
LCS	BH51730-BS1	V2-637309.D	08/22/25 08:01
LCS Dup	BH51730-BSD1	V2-637310.D	08/22/25 08:30
Blank	BH51730-BLK1	V2-637311.D	08/22/25 08:58
HVAC - Spoils	25H1532-01	V2-637329.D	08/22/25 17:35

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8260D

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H1911

SDG: 25H1532
Project: JA257006 Task 10.2
Instrument: MS VOA 2
Calibration: SH50043

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H1911-CAL1)			Lab File ID: V2-637081.D			Analyzed: 08/12/25 15:45			
ISTD: Fluorobenzene	119818	5.309	146825	5.308	82	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	482417	8.204	630927	8.21	76	50 - 200	-0.0060	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	228245	11.161	263951	11.161	86	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1911-CAL2)			Lab File ID: V2-637082.D			Analyzed: 08/12/25 16:14			
ISTD: Fluorobenzene	117168	5.309	146825	5.308	80	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	497512	8.204	630927	8.21	79	50 - 200	-0.0060	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	237601	11.161	263951	11.161	90	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1911-CAL3)			Lab File ID: V2-637083.D			Analyzed: 08/12/25 16:43			
ISTD: Fluorobenzene	122551	5.309	146825	5.308	83	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	543301	8.204	630927	8.21	86	50 - 200	-0.0060	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	252520	11.161	263951	11.161	96	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1911-CAL4)			Lab File ID: V2-637084.D			Analyzed: 08/12/25 17:11			
ISTD: Fluorobenzene	124066	5.309	146825	5.308	84	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	566934	8.204	630927	8.21	90	50 - 200	-0.0060	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	261655	11.161	263951	11.161	99	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1911-CAL5)			Lab File ID: V2-637085.D			Analyzed: 08/12/25 17:40			
ISTD: Fluorobenzene	136614	5.309	146825	5.308	93	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	604319	8.204	630927	8.21	96	50 - 200	-0.0060	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	268591	11.161	263951	11.161	102	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1911-CAL6)			Lab File ID: V2-637086.D			Analyzed: 08/12/25 18:09			
ISTD: Fluorobenzene	146825	5.308	146825	5.308	100	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	630927	8.21	630927	8.21	100	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	263951	11.161	263951	11.161	100	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1911-CAL7)			Lab File ID: V2-637087.D			Analyzed: 08/12/25 18:37			
ISTD: Fluorobenzene	144889	5.308	146825	5.308	99	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	598167	8.21	630927	8.21	95	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	247293	11.161	263951	11.161	94	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1911-CAL8)			Lab File ID: V2-637088.D			Analyzed: 08/12/25 19:06			
ISTD: Fluorobenzene	154086	5.309	146825	5.308	105	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	568309	8.21	630927	8.21	90	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	254110	11.167	263951	11.161	96	50 - 200	0.0060	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8260D

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H1911

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: MS VOA 2

Calibration: SH50043

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H1911-CAL9)			Lab File ID: V2-637089.D			Analyzed: 08/12/25 19:35			
ISTD: Fluorobenzene	178314	5.309	146825	5.308	121	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	522239	8.211	630927	8.21	83	50 - 200	0.0010	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	283045	11.167	263951	11.161	107	50 - 200	0.0060	+/-0.50	
Secondary Cal Check (S5H1911-SCV1)			Lab File ID: V2-637097.D			Analyzed: 08/13/25 11:24			
ISTD: Fluorobenzene	144009	5.302	146825	5.308	98	50 - 200	-0.0060	+/-0.50	
ISTD: Chlorobenzene-d5	613526	8.204	630927	8.21	97	50 - 200	-0.0060	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	261214	11.155	263951	11.161	99	50 - 200	-0.0060	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8260D

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2227

SDG: 25H1532
Project: JA257006 Task 10.2
Instrument: MS VOA 2
Calibration: SH50043

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5H2227-CCV1)			Lab File ID: V2-637308.D			Analyzed: 08/22/25 07:27			
ISTD: Fluorobenzene	201592	5.302	146825	5.308	137	50 - 200	-0.0060	+/-0.50	
ISTD: Chlorobenzene-d5	778816	8.204	630927	8.21	123	50 - 200	-0.0060	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	324703	11.161	263951	11.161	123	50 - 200	0.0000	+/-0.50	
LCS (BH51730-BS1)			Lab File ID: V2-637309.D			Analyzed: 08/22/25 08:01			
ISTD: Fluorobenzene	219247	5.303	201592	5.302	109	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	830846	8.205	778816	8.204	107	50 - 200	0.0010	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	346803	11.155	324703	11.161	107	50 - 200	-0.0060	+/-0.50	
LCS Dup (BH51730-BSD1)			Lab File ID: V2-637310.D			Analyzed: 08/22/25 08:30			
ISTD: Fluorobenzene	218591	5.303	201592	5.302	108	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	830235	8.204	778816	8.204	107	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	345926	11.161	324703	11.161	107	50 - 200	0.0000	+/-0.50	
Blank (BH51730-BLK1)			Lab File ID: V2-637311.D			Analyzed: 08/22/25 08:58			
ISTD: Fluorobenzene	190372	5.309	201592	5.302	94	50 - 200	0.0070	+/-0.50	
ISTD: Chlorobenzene-d5	643036	8.204	778816	8.204	83	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	271665	11.161	324703	11.161	84	50 - 200	0.0000	+/-0.50	
HVAC - Spoils (25H1532-01)			Lab File ID: V2-637329.D			Analyzed: 08/22/25 17:35			
ISTD: Fluorobenzene	163096	5.309	201592	5.302	81	50 - 200	0.0070	+/-0.50	
ISTD: Chlorobenzene-d5	601664	8.21	778816	8.204	77	50 - 200	0.0060	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	270245	11.161	324703	11.161	83	50 - 200	0.0000	+/-0.50	

FORM VI INITIAL CALIBRATION DATA

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50043
Instrument: MS VOA 2
Calibration Date: 08/12/25 06:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	1	~~0.225531~~	2.5	~~0.231311~~	5	0.2212954	10	0.2127232	20	0.216653	50	0.2241036
1,1,1-Trichloroethane	1	~~1.51438~~	2.5	~~1.6822~~	5	1.61239	10	1.583149	20	1.580621	50	1.569154
1,1,2,2-Tetrachloroethane	1	~~0.6278341~~	2.5	~~0.6199469~~	5	0.5781325	10	0.559802	20	0.5673682	50	0.5849343
1,1,2-Trichloro-1,2,2-triflu oroethane (Freon 113)	1	~~0.8951076~~	2.5	~~0.9456507~~	5	0.8927712	10	0.8553915	20	0.8038158	50	0.7635348
1,1,2-Trichloroethane	1	~~0.2122645~~	2.5	~~0.2167184~~	5	0.2013433	10	0.1983652	20	0.2023972	50	0.209758
1,1-Dichloroethane	1	~~1.137976~~	2.5	~~1.153557~~	5	1.090566	10	1.623853	20	1.742794	50	1.665684
1,1-Dichloroethylene	1	~~0.9618755~~	2.5	~~0.9434317~~	5	0.8828977	10	0.8299615	20	0.7743167	50	0.7466644
1,1-Dichloropropylene	1	~~0.7765945~~	2.5	~~0.9461628~~	5	1.020963	10	1.132381	20	1.270331	50	1.37907
1,2,3-Trichlorobenzene	1	~~0.3364805~~	2.5	~~0.3650658~~	5	0.3714953	10	0.4174963	20	0.482909	50	0.5693632
1,2,3-Trichloropropane	1	~~0.1831365~~	2.5	~~0.1937702~~	5	0.1933708	10	0.1882823	20	0.1880089	50	0.1944906
1,2,3-Trimethylbenzene	1	~~0.6525882~~	2.5	~~0.8178416~~	5	1.038056	10	1.377959	20	1.665944	50	1.778705
1,2,4,5-Tetramethylbenzene	1	~~0.5187408~~	2.5	~~0.5822366~~	5	0.6086251	10	0.7591485	20	1.101656	50	1.43155
1,2,4-Trichlorobenzene	1	~~0.3533484~~	2.5	~~0.3474733~~	5	0.3490021	10	0.3921958	20	0.4631112	50	0.5787627
1,2,4-Trimethylbenzene	1	~~0.8195141~~	2.5	~~0.9754168~~	5	1.153612	10	1.41698	20	1.672738	50	1.797572
1,2-Dibromo-3-chloropropa ne	1	~~0.0630901~~	2.5	~~7.340036E-02~~	5	8.339933E-02	10	8.125203E-02	20	8.580891E-02	50	9.056226E-02
1,2-Dibromoethane	1	~~0.1715321~~	2.5	~~0.1609207~~	5	0.1622489	10	0.1673387	20	0.1748166	50	0.1881803
1,2-Dichlorobenzene	1	~~1.190826~~	2.5	~~1.125164~~	5	1.04958	10	1.005007	20	1.013437	50	0.9858307
1,2-Dichloroethane	1	~~1.590746~~	2.5	~~1.54957~~	5	1.45164	10	1.367417	20	1.324388	50	1.274619
1,2-Dichloropropane	1	~~0.1939194~~	2.5	~~0.1956536~~	5	0.1885695	10	0.1861769	20	0.2042961	50	0.2140612
1,3,5-Trimethylbenzene	1	~~1.055664~~	2.5	~~1.173143~~	5	1.298511	10	1.557776	20	1.901944	50	2.127933
1,3-Dichlorobenzene	1	~~0.7730728~~	2.5	~~0.8693566~~	5	0.9264216	10	0.9591065	20	1.013781	50	1.020348
1,3-Dichloropropane	1	~~0.258801~~	2.5	~~0.2762145~~	5	0.2736605	10	0.2850156	20	0.313241	50	0.3426736
1,4-Dichlorobenzene	1	~~0.6830379~~	2.5	~~0.7564783~~	5	0.7687312	10	0.8480633	20	0.9413383	50	0.9783142
1,4-Dioxane	25	~~0~~	62.5	9.551528E-04	125	1.312716E-03	250	1.458018E-03	500	1.994807E-03	1250	2.330983E-03
2,2-Dichloropropane	1	~~1.258158~~	2.5	~~1.306329~~	5	1.233609	10	1.244982	20	1.279097	50	1.337122
2-Butanone	1	~~0.2687409~~	2.5	~~0.3794551~~	5	0.4654389	10	0.5538181	20	0.6556612	50	0.7228946
2-Chloroethylvinyl ether	1	~~0~~	2.5	~~1.338661E-02~~	5	1.577394E-02	10	0.0192615	20	2.336514E-02	50	3.309099E-02
2-Chlorotoluene	1	~~1.120726~~	2.5	~~1.267335~~	5	1.403334	10	1.573618	20	1.713926	50	1.786907

FORM VI

INITIAL CALIBRATION DATA

EPA 8260D

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50043

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: MS VOA 2

Calibration Date: 08/12/25 06:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
2-Hexanone	1	~~6.218686E-02~~	2.5	~~7.276206E-02~~	5	8.083917E-02	10	9.890922E-02	20	0.1217527	50	0.1440182
2-Nitropropane	5	4.377955E-02	12.5	4.471048E-02	25	4.420386E-02	50	4.314259E-02	100	4.501513E-02	250	~~5.059476E-02~~
4-Chlorotoluene	1	~~0.8447064~~	2.5	~~0.9425886~~	5	1.048036	10	1.211672	20	1.424061	50	1.539392
4-Methyl-2-pentanone	1	~~0.1163931~~	2.5	~~0.1238161~~	5	0.1289525	10	0.1375645	20	0.1701626	50	0.2045625
Acetone	1	~~0.6835367~~	2.5	~~0.2942783~~	5	0.244796	10	0.1941305	20	0.1912139	50	0.1622748
Acrolein	4	9.232753E-02	10	8.667042E-02	20	8.429144E-02	40	7.533289E-02	80	6.815736E-02	200	7.189001E-02
Acrylonitrile	5	0.298703	12.5	0.3071487	25	0.2016467	50	0.3160495	100	0.3380547	250	0.3502401
Allyl chloride	1	~~0.6835367~~	2.5	~~0.6976308~~	5	0.6300234	10	0.5908146	20	0.5548114	50	0.5421011
Benzene	1	~~2.98244~~	2.5	~~3.752902~~	5	3.902702	10	4.067029	20	4.072679	50	3.959741
Bromobenzene	1	~~0.9189687~~	2.5	~~0.9135484~~	5	0.9201251	10	0.9363857	20	1.001876	50	1.042758
Bromochloromethane	1	~~0.753643~~	2.5	~~0.7816128~~	5	0.7542166	10	0.753349	20	0.7354115	50	0.7064941
Bromodichloromethane	1	~~0.2887543~~	2.5	~~0.2777421~~	5	0.2610523	10	0.2578166	20	0.2732952	50	0.2848222
Bromoform	1	~~0.1253065~~	2.5	~~0.1316953~~	5	0.1247559	10	0.126408	20	0.1347343	50	0.1441308
Bromomethane	1	~~0.807892~~	2.5	~~0.7621535~~	5	0.5711908	10	0.46842	20	0.3655372	50	0.3164788
Carbon disulfide	1	~~2.267606~~	2.5	~~2.108426~~	5	1.926626	10	1.820281	20	1.710476	50	1.671425
Carbon tetrachloride	1	~~1.369995~~	2.5	~~1.453469~~	5	1.375264	10	1.337514	20	1.348599	50	1.368166
Chlorobenzene	1	~~0.7748483~~	2.5	~~0.7580923~~	5	0.6936855	10	0.6619642	20	0.6695595	50	0.6608815
Chloroethane	1	~~0.3171477~~	2.5	~~0.3663116~~	5	0.320846	10	0.3108023	20	0.2800958	50	0.2592406
Chloroform	1	~~1.957552~~	2.5	~~2.015567~~	5	1.857676	10	1.79876	20	1.783712	50	1.73986
Chloromethane	1	~~1.188887~~	2.5	~~1.208692~~	5	1.060946	10	1.04529	20	0.9245758	50	0.8289869
cis-1,2-Dichloroethylene	1	~~0.9193109~~	2.5	~~0.9348969~~	5	0.9103149	10	0.9612223	20	1.039846	50	1.166729
cis-1,3-Dichloropropylene	1	~~0.2107098~~	2.5	~~0.2192108~~	5	0.2289155	10	0.2614855	20	0.3050914	50	0.34035
cis-decahydronaphthalene	1	~~0.1851081~~	2.5	~~0.2015143~~	5	0.239981	10	0.3066825	20	0.3611067	50	~~0.3987937~~
Cyclohexane	1	~~0.7874443~~	2.5	~~0.9101461~~	5	1.002032	10	1.262594	20	1.506581	50	1.669341
Dibromochloromethane	1	~~0.1858351~~	2.5	~~0.2016836~~	5	0.1864896	10	0.1868119	20	0.2019339	50	0.2185831
Dibromomethane	1	~~0.1557781~~	2.5	~~0.1410217~~	5	0.126983	10	0.1223335	20	0.1302168	50	0.1302829
Dichlorodifluoromethane	1	~~1.58699~~	2.5	~~1.59139~~	5	1.406924	10	1.357664	20	1.15733	50	1.036322
Diisopropyl ether (DIPE)	1	~~1.354972~~	2.5	~~1.291308~~	5	1.208721	10	1.094498	20	1.459532	50	1.050829
Ethanol	40	~~0~~	100	~~6.712584E-03~~	200	5.842466E-03	400	5.416472E-03	800	4.603298E-03	2000	4.663886E-03

FORM VI

INITIAL CALIBRATION DATA

EPA 8260D

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50043

SDG: 25H1532

Project: JA257006 Task 10.2

Instrument: MS VOA 2

Calibration Date: 08/12/25 06:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Ethyl Benzene	1	~~0.9229567~~	2.5	~~0.9799563~~	5	0.9343808	10	0.9907061	20	1.042256	50	1.042701
Ethyl Ether	1	~~0.4632025~~	2.5	~~0.5090127~~	5	0.4766179	10	0.4219125	20	0.4049914	50	~~0.4001158~~
Ethyl Methacrylate	1	~~0.1063395~~	2.5	~~0.1218463~~	5	0.1353393	10	0.1583871	20	0.210369	50	0.2842754
Ethyl tert-butyl ether (ETBE)	1	~~1.478492~~	2.5	~~1.602656~~	5	1.72467	10	1.841802	20	2.13256	50	2.418171
Hexachlorobutadiene	1	~~0.3653968~~	2.5	~~0.3689378~~	5	0.3464676	10	0.3515889	20	0.3649229	50	0.3907316
Hexachloroethane	1	~~0~~	2.5	~~4.198299~~	5	2.23709	10	1.264929	20	0.784734	50	0.5216271
Iodomethane	1	~~0.4849021~~	2.5	~~0.4989417~~	5	0.5326762	10	0.6063305	20	0.6670436	50	0.750458
Isopropylbenzene	1	~~0.8195141~~	2.5	~~0.9754168~~	5	1.153612	10	1.41698	20	1.672738	50	1.797572
Limonene	1	~~0.1934325~~	2.5	~~0.2464636~~	5	0.3012435	10	0.3906289	20	0.478283	50	~~0.5642222~~
Methyl acetate	1	~~0.5095228~~	2.5	~~0.4436365~~	5	0.4280667	10	0.3769768	20	0.3347571	50	~~0.3215256~~
Methyl Methacrylate	1	~~5.327341E-02~~	2.5	~~6.717426E-02~~	5	6.918817E-02	10	7.673733E-02	20	0.1000341	50	0.1409133
Methyl tert-butyl ether (MTBE)	1	~~1.975914~~	2.5	~~1.948484~~	5	1.825362	10	1.653958	20	1.604045	50	1.646661
Methylcyclohexane	1	~~0.2930038~~	2.5	~~0.3088167~~	5	0.3302589	10	0.3563995	20	0.4145534	50	0.4413078
Methylene chloride	1	~~2.052697~~	2.5	~~1.131538~~	5	0.8394873	10	0.6383699	20	0.5323942	50	0.4728691
Naphthalene	1	~~0.6992486~~	2.5	~~0.6106035~~	5	0.6286235	10	0.7208538	20	1.000825	50	1.429777
n-butyl acetate	1	~~3.617202E-02~~	2.5	~~5.467205E-02~~	5	5.768441E-02	10	0.069576	20	9.482988E-02	50	~~0.1297932~~
n-Butylbenzene	1	~~1.379001~~	2.5	~~1.830632~~	5	2.077935	10	2.291109	20	2.453386	50	2.522014
n-Decane	1	~~0.4812811~~	2.5	~~0.5393075~~	5	0.6218121	10	0.7531673	20	0.8733446	50	~~0.8996215~~
n-Hexane	1	~~1.302392~~	2.5	~~1.258535~~	5	1.173552	10	1.083133	20	1.002679	50	~~0.9990465~~
Nitrobenzene	10	3.053736E-02	25	2.674231E-02	50	2.453271E-02	100	2.437943E-02	200	2.632348E-02	500	3.232835E-02
n-Nonane	1	~~0.1113145~~	2.5	~~0.1240975~~	5	0.1396095	10	0.2150338	20	0.2937728	50	~~0.3478469~~
n-octane	1	~~7.255134E-02~~	2.5	~~9.326408E-02~~	5	0.1146326	10	0.1646312	20	0.2172363	50	~~0.2465531~~
n-Propylbenzene	1	~~0.3971609~~	2.5	~~0.4468836~~	5	0.5062173	10	0.6384743	20	0.8259212	50	0.9363443
n-undecane	1	~~0.2972683~~	2.5	~~0.3781971~~	5	0.4636464	10	0.6144924	20	0.732424	50	~~0.7764093~~
o-Xylene	1	~~0.3275175~~	2.5	~~0.3429063~~	5	0.3364986	10	0.3975419	20	0.54827	50	0.6937221
p- & m- Xylenes	2	~~0.4509066~~	5	~~0.5042492~~	10	0.5490879	20	0.6570077	40	0.7535486	100	0.7893996
p-Ethyltoluene	1	~~1.055664~~	2.5	~~1.173143~~	5	1.298511	10	1.557776	20	1.901944	50	2.127933
p-Isopropyltoluene	1	~~0.6856667~~	2.5	~~0.8277743~~	5	0.9751703	10	1.271178	20	1.649264	50	1.846248

FORM VI INITIAL CALIBRATION DATA

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50043
Instrument: MS VOA 2
Calibration Date: 08/12/25 06:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
sec-Butylbenzene	1	~~0.9559903~~	2.5	~~1.341745~~	5	1.7837	10	2.17718	20	2.402808	50	2.410853
Styrene	1	~~0~~	2.5	~~1.310521E-02~~	5	0.0162525	10	2.188967E-02	20	2.645126E-02	50	2.725513E-02
SURR: 1,2-Dichloroethane-d4	50	1.579671	50	1.588138	50	1.596951	50	1.566384	50	1.493617	50	1.458103
SURR: p-Bromofluorobenzene	50	0.8824114	50	0.8550006	50	0.8703033	50	0.8890333	50	0.9192713	50	0.9484298
SURR: Toluene-d8	50	1.282291	50	1.249586	50	1.227618	50	1.210712	50	1.210232	50	1.222755
tert-Amyl alcohol (TAA)	5	~~0.2956985~~	12.5	~~0.3205312~~	25	0.344934	50	0.3683604	100	0.4265119	250	0.4836343
tert-Amyl methyl ether (TAME)	1	~~1.148826~~	2.5	~~1.466271~~	5	1.637522	10	1.787274	20	1.972181	50	2.168895
tert-Butyl alcohol (TBA)	5	~~8.304261E-02~~	12.5	~~8.060221E-02~~	25	7.670276E-02	50	6.448181E-02	100	6.226302E-02	250	6.255338E-02
tert-Butylbenzene	1	~~0.8339723~~	2.5	~~0.8930097~~	5	0.9657453	10	1.137165	20	1.457234	50	1.65813
Tetrachloroethylene	1	~~0.2947657~~	2.5	~~0.3070881~~	5	0.2776546	10	0.2816024	20	0.3213659	50	0.3356252
Tetrahydrofuran	5	0.1606603	12.5	0.1904957	25	0.2232703	50	0.2593055	100	0.2966643	250	0.3181202
Toluene	1	~~1.033753~~	2.5	~~1.011353~~	5	0.9240182	10	0.9230263	20	0.9655124	50	0.9923446
trans-1,2-Dichloroethylene	1	~~0.9618755~~	2.5	~~0.9434317~~	5	0.8828977	10	0.8299615	20	0.7743167	50	0.7466644
trans-1,3-Dichloropropylene	1	~~0.2107098~~	2.5	~~0.2192108~~	5	0.2289155	10	0.2614855	20	0.3050914	50	0.34035
trans-1,4-dichloro-2-butene	1	~~0.1336283~~	2.5	~~0.1341745~~	5	0.1429194	10	0.1500449	20	0.176188	50	0.2050797
trans-decahydronaphthalene	1	~~0.177879~~	2.5	~~0.3042916~~	5	0.4189767	10	0.533355	20	0.5673217	50	~~0.5900868~~
Trichloroethylene	1	~~0.2660561~~	2.5	~~0.269702~~	5	0.2556594	10	0.2467836	20	0.2594242	50	0.2588889
Trichlorofluoromethane	1	~~1.966733~~	2.5	~~1.961628~~	5	1.831156	10	1.669394	20	1.529986	50	1.420671
Vinyl acetate	1	~~1.277354~~	2.5	~~1.297453~~	5	1.407414	10	1.515121	20	1.671187	50	1.834313
Vinyl Chloride	1	~~0.6931346~~	2.5	~~0.8087533~~	5	0.7399368	10	0.7225187	20	0.6651771	50	0.6237153

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260D

Laboratory: ALS Environmental - Stratford SDG: 25H1532

Client: Terracon Consultants, Inc. Project: JA257006 Task 10.2

Calibration: SH50043 Instrument: MS VOA 2

Calibration Date: 08/12/25 06:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	100	0.2270595	200	0.2321057	400	0.2455851						
1,1,1-Trichloroethane	100	1.598948	200	1.538469	400	1.492721						
1,1,2,2-Tetrachloroethane	100	0.5792804	200	0.5309098	400	0.4697778						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	100	0.7506471	200	0.7012967	400	0.6899087						
1,1,2-Trichloroethane	100	0.2146533	200	0.2182774	400	0.2205307						
1,1-Dichloroethane	100	1.788697	200	1.721513	400	0.9597213						
1,1-Dichloroethylene	100	0.7483556	200	0.7029321	400	0.6629373						
1,1-Dichloropropylene	100	1.447657	200	1.396902	400	1.338978						
1,2,3-Trichlorobenzene	100	0.6965705	200	0.790087	400	0.921312						
1,2,3-Trichloropropane	100	0.194031	200	0.1790514	400	0.1624079						
1,2,3-Trimethylbenzene	100	1.82229	200	1.838355	400	1.888109						
1,2,4,5-Tetramethylbenzene	100	1.711209	200	1.89316	400	2.124831						
1,2,4-Trichlorobenzene	100	0.7127739	200	0.8034542	400	0.9396637						
1,2,4-Trimethylbenzene	100	1.825513	200	1.765173	400	1.732833						
1,2-Dibromo-3-chloropropane	100	0.1005204	200	0.1121906	400	0.1222337						
1,2-Dibromoethane	100	0.1989478	200	0.2076423	400	0.2196456						
1,2-Dichlorobenzene	100	1.005946	200	1.007358	400	1.034834						
1,2-Dichloroethane	100	1.258667	200	1.187147	400	1.091383						
1,2-Dichloropropane	100	0.2280935	200	0.2419876	400	0.2738521						
1,3,5-Trimethylbenzene	100	2.208336	200	2.103174	400	2.046142						
1,3-Dichlorobenzene	100	1.041857	200	1.012507	400	1.030822						
1,3-Dichloropropane	100	0.3595936	200	0.3690074	400	0.3736558						
1,4-Dichlorobenzene	100	1.01814	200	1.007512	400	1.044788						
1,4-Dioxane	2500	2.579313E-03	5000	2.919767E-03	10000	3.287183E-03						
2,2-Dichloropropane	100	1.388628	200	1.367264	400	1.350493						
2-Butanone	100	0.743935	200	0.7395221	400	0.6442455						
2-Chloroethylvinyl ether	100	4.648953E-02	200	5.081699E-02	400	0.0578983						
2-Chlorotoluene	100	1.800591	200	1.682363	400	1.585145						

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50043
Instrument: MS VOA 2
Calibration Date: 08/12/25 06:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
2-Hexanone	100	0.1559113	200	0.1659335	400	0.1662663						
2-Nitropropane	500	~~5.430942E-02~~	1000	5.895622E-02	2000	0.0611561						
4-Chlorotoluene	100	1.562022	200	1.484203	400	1.399723						
4-Methyl-2-pentanone	100	0.2201776	200	0.2290132	400	0.2095083						
Acetone	100	0.1382576	200	0.1261292	400	0.1129482						
Acrolein	400	7.358996E-02	800	7.307486E-02	1600	6.899907E-02						
Acrylonitrile	500	0.3513718	1000	0.3404382	2000	0.3028475						
Allyl chloride	100	0.5227726	200	0.4511815	400	0.391696						
Benzene	100	3.983443	200	3.787299	400	3.55744						
Bromobenzene	100	1.055604	200	0.975727	400	0.8044975						
Bromochloromethane	100	0.685259	200	0.6179698	400	0.5197713						
Bromodichloromethane	100	0.3015328	200	0.3238674	400	0.3712038						
Bromoform	100	0.1528001	200	0.1589558	400	0.1756305						
Bromomethane	100	0.3335036	200	0.3388205	400	0.3368307						
Carbon disulfide	100	1.664098	200	1.530192	400	1.439193						
Carbon tetrachloride	100	1.417088	200	1.390938	400	1.383389						
Chlorobenzene	100	0.669522	200	0.6796259	400	0.7100729						
Chloroethane	100	0.2569588	200	0.2401678	400	0.2066229						
Chloroform	100	1.739932	200	1.670517	400	1.563341						
Chloromethane	100	0.851476	200	0.7949051	400	0.7836695						
cis-1,2-Dichloroethylene	100	1.246509	200	1.221503	400	1.131599						
cis-1,3-Dichloropropylene	100	0.3611332	200	0.3756931	400	0.3941967						
cis-decahydronaphthalene	100	~~0.436648~~	200	0.4414082	400	0.4870184						
Cyclohexane	100	1.707821	200	1.627281	400	1.501028						
Dibromochloromethane	100	0.2328188	200	0.2464966	400	0.2667637						
Dibromomethane	100	0.1372083	200	0.1465915	400	0.1676584						
Dichlorodifluoromethane	100	~~1.064008~~	200	0.887652	400	0.8149935						
Diisopropyl ether (DIPE)	100	1.078163	200	1.077241	400	0.9878466						
Ethanol	4000	4.475495E-03	8000	4.323478E-03	16000	3.80272E-03						

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50043
Instrument: MS VOA 2
Calibration Date: 08/12/25 06:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Ethyl Benzene	100	1.070042	200	1.081177	400	1.145241						
Ethyl Ether	100	~~0.3970039~~	200	0.3792087	400	0.3640446						
Ethyl Methacrylate	100	0.3161968	200	0.3429983	400	0.3539747						
Ethyl tert-butyl ether (ETBE)	100	2.552185	200	2.564384	400	2.463627						
Hexachlorobutadiene	100	0.4542102	200	0.5006592	400	0.5923471						
Hexachloroethane	100	0.4459406	200	0.4104571	400	0.4156296						
Iodomethane	100	0.7972931	200	0.72626	400	0.5691989						
Isopropylbenzene	100	1.825513	200	1.765173	400	1.732833						
Limonene	100	~~0.6131674~~	200	0.6182244	400	0.6211053						
Methyl acetate	100	~~0.3090262~~	200	0.2930766	400	0.2700279						
Methyl Methacrylate	100	0.1634284	200	0.1868011	400	0.214038						
Methyl tert-butyl ether (MTBE)	100	1.647458	200	1.631779	400	1.602498						
Methylcyclohexane	100	0.4740574	200	0.5104103	400	0.601647						
Methylene chloride	100	0.4554866	200	0.4258385	400	0.3939147						
Naphthalene	100	1.801497	200	2.058498	400	2.27637						
n-butyl acetate	100	~~0.1457703~~	200	0.1553613	400	0.1598085						
n-Butylbenzene	100	2.605207	200	2.630317	400	2.712935						
n-Decane	100	~~0.9025953~~	200	0.7744107	400	0.7042643						
n-Hexane	100	~~1.000307~~	200	0.9502258	400	0.9301828						
Nitrobenzene	1000	0.0403305	2000	5.028639E-02	4000	5.988116E-02						
n-Nonane	100	~~0.3760438~~	200	0.359045	400	0.3693656						
n-octane	100	~~0.263398~~	200	0.2660727	400	0.3119266						
n-Propylbenzene	100	0.989381	200	0.9760468	400	0.9813837						
n-undecane	100	~~0.8172775~~	200	0.7601511	400	0.77037						
o-Xylene	100	0.7430441	200	0.7702412	400	0.8351777						
p- & m- Xylenes	200	0.8122585	400	0.8237545	800	0.8583964						
p-Ethyltoluene	100	2.208336	200	2.103174	400	2.046142						
p-Isopropyltoluene	100	1.963634	200	1.991642	400	2.092161						

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50043
Instrument: MS VOA 2
Calibration Date: 08/12/25 06:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
sec-Butylbenzene	100	2.446365	200	2.385307	400	2.384255						
Styrene	100	2.764696E-02	200	2.817833E-02	400	3.181158E-02						
SURR: 1,2-Dichloroethane-d4	50	1.4238	50	1.325344	50	1.174013						
SURR: p-Bromofluorobenzene	50	0.9155334	50	0.8465586	50	0.734763						
SURR: Toluene-d8	50	1.234869	50	1.254173	50	1.361356						
tert-Amyl alcohol (TAA)	500	0.510437	1000	0.5128769	2000	0.4927253						
tert-Amyl methyl ether (TAME)	100	2.304298	200	2.33076	400	2.239103						
tert-Butyl alcohol (TBA)	500	6.270662E-02	1000	6.389484E-02	2000	5.759685E-02						
tert-Butylbenzene	100	1.734481	200	1.725602	400	1.763954						
Tetrachloroethylene	100	0.3661519	200	0.3872818	400	0.428089						
Tetrahydrofuran	500	0.3184624	1000	0.3060103	2000	0.2514842						
Toluene	100	1.039043	200	1.067911	400	1.193368						
trans-1,2-Dichloroethylene	100	0.7483556	200	0.7029321	400	0.6629373						
trans-1,3-Dichloropropylene	100	0.3611332	200	0.3756931	400	0.3941967						
trans-1,4-dichloro-2-butene	100	0.2165003	200	0.2112333	400	0.187759						
trans-decahydronaphthalene	100	~~0.6177187~~	200	0.591786	400	0.6282291						
Trichloroethylene	100	0.2710715	200	0.2862026	400	0.3344886						
Trichlorofluoromethane	100	1.348049	200	1.200682	400	1.065838						
Vinyl acetate	100	1.876737	200	1.810516	400	1.656707						
Vinyl Chloride	100	0.6451663	200	0.7172926	400	0.8104713						

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Calibration: SH50043

SDG: 25H1532
Project: JA257006 Task 10.2
Instrument: MS VOA 2
Calibration Date: 08/12/25 06:00

RSD </= 20% or COD>/= 0.99

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.2256465	4.822465	8.29	4.065701E-02			20	
1,1,1-Trichloroethane	1.567922	2.585069	4.633714	6.135931E-02			SPCC (0.1)	
1,1,2,2-Tetrachloroethane	0.5528865	7.387121	9.694572	2.671161E-02			SPCC (0.3)	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.7796237	9.713752	2.632	1.389579E-02			SPCC (0.1)	
1,1,2-Trichloroethane	0.2093322	4.210479	7.308	1.561458E-02			SPCC (0.1)	
1,1-Dichloroethane	1.513261	22.44956	3.773	6.906782E-02		0.9912503	SPCC (0.2)	
1,1-Dichloroethylene	0.7640093	9.719032	3.242	1.229764E-02			SPCC (0.1)	
1,1-Dichloropropylene	1.283755	12.06576	4.736429	5.526366E-02		0.9998182	0.99	
1,2,3-Trichlorobenzene	0.6070333	33.52716	13.50029	2.442374E-02		0.99955	0.99	
1,2,3-Trichloropropane	0.1856633	6.235791	9.836286	2.630647E-02			20	
1,2,3-Trimethylbenzene	1.629917	19.14652	10.735	2.001243E-02		0.9999126	0.99	
1,2,4,5-Tetramethylbenzene	1.37574	41.84346	11.87514	2.452205E-02		0.9993481	0.99	
1,2,4-Trichlorobenzene	0.6055662	36.59379	12.89329	2.627838E-02		0.999515	SPCC (0.2)	
1,2,4-Trimethylbenzene	1.623489	15.27535	9.831143	2.406679E-02		0.9998765	0.99	
1,2-Dibromo-3-chloropropane	9.656675E-02	16.25431	12.09571	1.985953E-02		0.9996529	SPCC (0.05)	
1,2-Dibromoethane	0.1884029	11.40416	7.704429	3.759267E-03			SPCC (0.1)	
1,2-Dichlorobenzene	1.01457	2.083674	11.17229	3.941679E-02			SPCC (0.4)	
1,2-Dichloroethane	1.279323	9.235067	5.130286	5.586652E-02			SPCC (0.1)	
1,2-Dichloropropane	0.2195767	14.23454	5.918	2.118718E-02			SPCC (0.1)	
1,3,5-Trimethylbenzene	1.891974	17.89953	9.735286	2.990281E-02		0.9997507	0.99	
1,3-Dichlorobenzene	1.000692	4.189356	10.60086	2.209732E-02			SPCC (0.6)	
1,3-Dichloropropane	0.3309782	12.29488	7.57	1.733432E-02			20	
1,4-Dichlorobenzene	0.943841	10.66506	10.70229	2.312052E-02			SPCC (0.5)	
1,4-Dioxane	2.104743E-03	39.00609	6.15975	0.0507613		0.999641	0.99	
2,2-Dichloropropane	1.314456	4.681048	4.320143	4.973653E-02			20	
2-Butanone	0.6465022	16.15445	4.601286	0.0116651		0.99928	SPCC (0.1)	
2-Chloroethylvinyl ether	3.524234E-02	47.23193	6.490143	3.439068E-02		0.998751	0.99	
2-Chlorotoluene	1.649412	8.481994	9.774429	3.502195E-02		0.9998633	0.99	
2-Hexanone	0.1333758	25.32603	7.930857	3.375407E-02		0.9993459	SPCC (0.1)	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50043
Instrument: MS VOA 2
Calibration Date: 08/12/25 06:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
2-Nitropropane	4.870913E-02	16.01582	6.983286	6.570742E-02		0.9998552	0.99	
4-Chlorotoluene	1.381301	13.55198	9.955715	2.428486E-02		0.9998465	0.99	
4-Methyl-2-pentanone	0.1857059	21.72496	7.124143	3.189443E-02		0.9987586	SPCC (0.1)	
Acetone	0.1671072	27.65594	3.156429	1.888187E-02		0.9981687	SPCC (0.1)	
Acrolein	7.714817E-02	11.03254	2.899889	6.674237E-02			20	
Acrylonitrile	0.3118334	14.77329	3.824333	8.225199E-02			20	
Allyl chloride	0.5262001	15.46957	3.013429	0.1057537			20	
Benzene	3.904333	4.654783	4.952428	6.547046E-02			SPCC (0.5)	
Bromobenzene	0.9624248	8.925844	9.570857	2.035892E-02			20	
Bromochloromethane	0.6817816	12.58713	4.397429	7.103465E-02			20	
Bromodichloromethane	0.2962272	13.6307	5.973	2.227424E-02			SPCC (0.2)	
Bromoform	0.1453451	12.73181	8.921429	3.805188E-02			SPCC (0.1)	
Bromomethane	0.3901117	24.23291	1.910429	0.1686795		0.9996629	SPCC (0.1)	
Carbon disulfide	1.680327	9.784529	2.62	7.467089E-03			SPCC (0.1)	
Carbon tetrachloride	1.374423	1.934658	4.572714	6.191842E-02			SPCC (0.1)	
Chlorobenzene	0.6779016	2.673359	8.223857	2.798644E-02			SPCC (0.5)	
Chloroethane	0.2678192	14.86624	2.017429	0.1240886		0.9999375	SPCC (0.1)	
Chloroform	1.736257	5.521793	4.461	1.470763E-02			SPCC (0.2)	
Chloromethane	0.8985499	12.81671	1.570571	0.1312894		0.9996591	SPCC (0.1)	
cis-1,2-Dichloroethylene	1.096818	11.79778	4.229429	9.825847E-03			SPCC (0.1)	
cis-1,3-Dichloropropylene	0.3238379	18.93186	7.156	1.982836E-02		0.9998409	SPCC (0.2)	
cis-decahydronaphthalene	0.3672394	27.14411	11.387	1.269491E-02		0.99993	0.99	
Cyclohexane	1.468097	17.26158	4.394	2.131052E-02		0.9997632	SPCC (0.1)	
Dibromochloromethane	0.2199854	13.89498	7.477286	4.198984E-02			SPCC (0.1)	
Dibromomethane	0.1373249	11.27267	5.827857	6.976588E-02			20	
Dichlorodifluoromethane	1.110148	21.82929	1.393	1.089478E-02		0.9993784	SPCC (0.1)	
Diisopropyl ether (DIPE)	1.13669	13.80212	3.672429	8.747759E-02			20	
Ethanol	4.732545E-03	14.48384	2.570143	8.883476E-02		0.9999164	0.99	
Ethyl Benzene	1.043786	6.447125	8.253857	0.0298878			SPCC (0.1)	
Ethyl Ether	0.409355	10.69215	2.4262	0.1105764			20	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50043
Instrument: MS VOA 2
Calibration Date: 08/12/25 06:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Ethyl Methacrylate	0.2573629	34.66196	7.307143	2.833986E-02		0.9991058	0.99	
Ethyl tert-butyl ether (ETBE)	2.242486	15.44829	3.984286	7.452705E-02		0.9996516	0.99	
Hexachlorobutadiene	0.4287039	21.46905	12.87314	2.011258E-02		0.9998867	0.99	
Hexachloroethane	0.8686297	77.95316	11.14986	7.915603E-02		0.9882736	0.99	*
Iodomethane	0.66418	14.89043	2.724	1.555557E-02		0.9990588	0.99	
Isopropylbenzene	1.623489	15.27535	9.831143	2.406679E-02		0.9998765	SPCC (0.1)	
Limonene	0.481897	29.15223	10.3392	3.100224E-02		0.9996947	0.99	
Methyl acetate	0.340581	18.71253	3.2636	0.1016383		0.999903	SPCC (0.1)	
Methyl Methacrylate	0.1358772	41.10453	6.118286	4.119592E-02		0.9993973	0.99	
Methyl tert-butyl ether (MTBE)	1.658823	4.600324	3.345429	1.360408E-02			SPCC (0.1)	
Methylcyclohexane	0.4469478	20.74691	5.444714	5.330586E-02		0.9999683	SPCC (0.1)	
Methylene chloride	0.5369086	28.99218	3.107143	7.244164E-02		0.9994692	SPCC (0.1)	
Naphthalene	1.416635	46.26546	13.27914	3.383916E-02		0.9987455	0.99	
n-butyl acetate	0.107452	44.40671	7.8412	4.487792E-02		0.999344	0.99	
n-Butylbenzene	2.470415	8.925249	11.00814	1.507442E-02		0.9999736	0.99	
n-Decane	0.7453998	12.41178	9.603	3.493727E-02		0.9999586	0.99	
n-Hexane	1.027955	9.786621	3.309	1.016698E-02			20	
Nitrobenzene	3.503796E-02	36.0169	12.75533	1.876336E-02		0.9992033	0.99	
n-Nonane	0.2753653	35.51059	8.1632	3.394591E-02		0.9997595	0.99	
n-octane	0.2148999	36.50623	6.5902	4.261934E-02		0.9999457	0.99	
n-Propylbenzene	0.8362526	23.01319	10.17343	5.320202E-03		0.9997509	0.99	
n-undecane	0.6682168	19.47563	10.9268	3.080138E-02		0.9999447	0.99	
o-Xylene	0.6177851	31.3053	8.843571	2.020043E-02		0.9997157	SPCC (0.3)	
p- & m- Xylenes	0.7490647	14.58733	8.402857	3.246099E-02		0.9999529	SPCC (0.1)	
p-Ethyltoluene	1.891974	17.89953	9.735286	2.990281E-02		0.9997507	0.99	
p-Isopropyltoluene	1.684185	24.71809	10.53557	3.267617E-02		0.9998173	0.99	
sec-Butylbenzene	2.284353	10.39919	10.37043	2.645975E-02		0.9999455	0.99	
Styrene	2.564078E-02	19.75952	9.173143	1.924632E-02		0.9998603	SPCC (0.3)	
SURR: 1,2-Dichloroethane-d4	1.467336	9.718778	5.071667	3.994824E-02			20	
SURR: p-Bromofluorobenzene	0.8734783	7.025122	9.466	4.670006E-03			20	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50043
Instrument: MS VOA 2
Calibration Date: 08/12/25 06:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
SURR: Toluene-d8	1.250399	3.799447	6.715	4.292508E-02			20	
tert-Amyl alcohol (TAA)	0.4484971	15.4483	3.984286	7.452705E-02		0.9996516	0.99	
tert-Amyl methyl ether (TAME)	2.062862	13.08936	5.058143	4.412469E-02		0.9996523	0.99	
tert-Butyl alcohol (TBA)	6.431418E-02	9.170095	3.448143	6.705749E-02			20	
tert-Butylbenzene	1.491759	21.53109	10.17429	2.549646E-02		0.9998046	0.99	
Tetrachloroethylene	0.3425387	16.12175	7.123286	4.119642E-02		0.9999246	SPCC (0.2)	
Tetrahydrofuran	0.2582748	22.22164	4.601333	1.096759E-02		0.9995136	0.99	
Toluene	1.015032	9.423202	6.764143	4.245036E-02			SPCC (0.4)	
trans-1,2-Dichloroethylene	0.7640093	9.719032	3.242	1.229764E-02			SPCC (0.1)	
trans-1,3-Dichloropropylene	0.3238379	18.93186	7.156	1.982836E-02		0.9998409	SPCC (0.1)	
trans-1,4-dichloro-2-butene	0.1842464	15.91285	9.886143	2.129566E-02		0.9993451	0.99	
trans-decahydronaphthalene	0.5479337	14.59709	10.765	4.014343E-02		0.9999882	0.99	
Trichloroethylene	0.273217	10.90886	5.454143	4.340252E-02			SPCC (0.2)	
Trichlorofluoromethane	1.437968	18.39468	2.144429	3.341931E-02		0.999435	SPCC (0.1)	
Vinyl acetate	1.681714	10.34614	3.991143	5.667853E-02			20	
Vinyl Chloride	0.7034683	9.094733	1.631571	0.1282874			SPCC (0.1)	

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50043
Laboratory ID: S5H1911-SCV1
Sequence: S5H1911
Standard ID: S25G542

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
1,1,1,2-Tetrachloroethane	50.0	50.5	0.9	30.00
1,1,1-Trichloroethane	50.0	53.5	7.1	30.00
1,1,2,2-Tetrachloroethane	50.0	52.7	5.4	30.00
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	50.5	1.0	30.00
1,1,2-Trichloroethane	50.0	50.8	1.7	30.00
1,1-Dichloroethane	50.0	21.6	-56.7 *	30.00
1,1-Dichloroethylene	50.0	52.2	4.4	30.00
1,2,3-Trichlorobenzene	50.0	50.7	1.4	30.00
1,2,3-Trichloropropane	50.0	51.3	2.5	30.00
1,2,4-Trichlorobenzene	50.0	51.3	2.6	30.00
1,2,4-Trimethylbenzene	50.0	53.5	7.0	30.00
1,2-Dibromo-3-chloropropane	50.0	42.9	-14.2	30.00
1,2-Dibromoethane	50.0	51.2	2.5	30.00
1,2-Dichlorobenzene	50.0	52.1	4.2	30.00
1,2-Dichloroethane	50.0	53.1	6.2	30.00
1,2-Dichloropropane	50.0	51.2	2.3	30.00
1,3,5-Trimethylbenzene	50.0	52.1	4.2	30.00
1,3-Dichlorobenzene	50.0	55.8	11.6	30.00
1,4-Dichlorobenzene	50.0	57.6	15.2	30.00
2-Butanone	50.0	8.22	-83.6 *	30.00
2-Hexanone	50.0	35.4	-29.3	30.00
4-Methyl-2-pentanone	50.0	39.8	-20.4	30.00
Acetone	50.0	47.8	-4.3	30.00
Acrolein	50.0	63.5	26.9	30.00
Acrylonitrile	50.0	22.4	-55.2 *	30.00

sample qualified UJ:SS- for 1,1-Dichloroethane and Acrylonitrile

sample qualified UR:SS- for 2-Butanone

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50043
Laboratory ID: S5H1911-SCV1
Sequence: S5H1911
Standard ID: S25G542

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
Benzene	50.0	51.6	3.2	30.00
Bromochloromethane	50.0	59.2	18.4	30.00
Bromodichloromethane	50.0	50.0	0.0	30.00
Bromoform	50.0	51.1	2.2	30.00
Bromomethane	50.0	50.6	1.2	30.00
Carbon disulfide	50.0	52.0	3.9	30.00
Carbon tetrachloride	50.0	53.8	7.6	30.00
Chlorobenzene	50.0	51.2	2.4	30.00
Chloroethane	50.0	51.8	3.7	30.00
Chloroform	50.0	53.2	6.3	30.00
Chloromethane	50.0	44.7	-10.5	30.00
cis-1,2-Dichloroethylene	50.0	54.4	8.8	30.00
cis-1,3-Dichloropropylene	50.0	50.3	0.6	30.00
Cyclohexane	50.0	49.1	-1.9	30.00
Dibromochloromethane	50.0	50.4	0.7	30.00
Dibromomethane	50.0	47.5	-4.9	30.00
Dichlorodifluoromethane	50.0	48.0	-4.0	30.00
Ethyl Benzene	50.0	53.8	7.6	30.00
Hexachlorobutadiene	50.0	50.2	0.5	30.00
Isopropylbenzene	50.0	53.5	7.0	30.00
Methyl acetate	50.0	81.6	63.2 *	30.00
Methyl tert-butyl ether (MTBE)	50.0	48.9	-2.2	30.00
Methylcyclohexane	50.0	50.1	0.2	30.00
Methylene chloride	50.0	55.2	10.3	30.00
n-Butylbenzene	50.0	38.3	-23.3	30.00

sample ND for Methyl acetate so no qual

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1532
Client: Terracon Consultants, Inc.
Project: JA257006 Task 10.2
Calibration: SH50043
Laboratory ID: S5H1911-SCV1
Sequence: S5H1911
Standard ID: S25G542

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
n-Propylbenzene	50.0	48.8	-2.4	30.00
o-Xylene	50.0	51.8	3.7	30.00
p- & m- Xylenes	100	113	13.0	30.00
p-Isopropyltoluene	50.0	52.6	5.3	30.00
sec-Butylbenzene	50.0	54.0	8.0	30.00
Styrene	50.0	53.6	7.2	30.00
tert-Butyl alcohol (TBA)	250	212	-15.1	30.00
tert-Butylbenzene	50.0	43.6	-12.7	30.00
Tetrachloroethylene	50.0	41.1	-17.9	30.00
Toluene	50.0	52.3	4.5	30.00
trans-1,2-Dichloroethylene	50.0	52.2	4.4	30.00
trans-1,3-Dichloropropylene	50.0	49.0	-1.9	30.00
trans-1,4-dichloro-2-butene	50.0	45.8	-8.4	30.00
Trichloroethylene	50.0	49.3	-1.3	30.00
Trichlorofluoromethane	50.0	54.3	8.5	30.00
Vinyl Chloride	50.0	45.3	-9.4	30.00

* Values outside of QC limits

reviewer added page from Rev 2

FORM VII CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	MS VOA 2	Calibration:	SH50043
Lab File ID:	V2-637308.D	Calibration Date:	08/12/25 06:00
Sequence:	S5H2227	Injection Date:	08/22/25
Lab Sample ID:	S5H2227-CCV1	Injection Time:	07:27

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1,1,2-Tetrachloroethane	A	50.0	50.5	0.2256465	0.2280051		1.0	20	
1,1,1-Trichloroethane	A	50.0	46.8	1.567922	1.467583	0.1	-6.4	20	
1,1,2,2-Tetrachloroethane	A	50.0	56.4	0.5528865	0.6239086	0.3	12.8	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	50.0	49.1	0.7796237	0.765824	0.1	-1.8	20	
1,1,2-Trichloroethane	A	50.0	51.5	0.2093322	0.2157686	0.1	3.1	20	
1,1-Dichloroethane UJ:CV-	A	50.0	24.3	1.513261	1.054452	0.2	-51.4	20 *	
1,1-Dichloroethylene	A	50.0	54.4	0.7640093	0.8307522	0.1	8.7	20	
1,2,3-Trichlorobenzene	A	50.0	49.5	0.6070333	0.655402		-1.0	20	
1,2,3-Trichloropropane	A	50.0	54.0	0.1856633	0.2006418		8.1	20	
1,2,4-Trichlorobenzene	A	50.0	51.6	0.6055662	0.6964703	0.2	3.2	20	
1,2,4-Trimethylbenzene	A	50.0	52.3	1.623489	1.885733		4.7	20	
1,2-Dibromo-3-chloropropane	A	50.0	46.3	9.656675E-02	9.250915E-02	0.05	-7.4	20	
1,2-Dibromoethane	A	50.0	49.8	0.1884029	0.1876425	0.1	-0.4	20	
1,2-Dichlorobenzene	A	50.0	52.7	1.01457	1.06861	0.4	5.3	20	
1,2-Dichloroethane	A	50.0	49.4	1.279323	1.26505	0.1	-1.1	20	
1,2-Dichloropropane	A	50.0	53.5	0.2195767	0.2347641	0.1	6.9	20	
1,3,5-Trimethylbenzene	A	50.0	51.7	1.891974	2.234993		3.3	20	
1,3-Dichlorobenzene	A	50.0	55.6	1.000692	1.111856	0.6	11.1	20	
1,4-Dichlorobenzene	A	50.0	56.7	0.943841	1.069574	0.5	13.3	20	
2-Butanone	A	50.0	40.5	0.6465022	0.635556	0.1	-18.9	20	
2-Hexanone	A	50.0	46.1	0.1333758	0.145847	0.1	-7.9	20	
4-Methyl-2-pentanone	A	50.0	43.9	0.1857059	0.2026782	0.1	-12.1	20	
Acetone J+:CV+	A	50.0	67.0	0.1671072	0.1888666	0.1	34.0	20 *	
Acrolein	A	200	196	7.714817E-02	7.561684E-02		-2.0	20	
Acrylonitrile UJ:CV-	A	250	162	0.3118334	0.202638		-35.0	20 *	
Benzene	A	50.0	48.4	3.904333	3.781152	0.5	-3.2	20	
Bromochloromethane	A	50.0	54.8	0.6817816	0.7473808		9.6	20	
Bromodichloromethane	A	50.0	51.8	0.2962272	0.3071432	0.2	3.7	20	
Bromoform	A	50.0	50.8	0.1453451	0.1477936	0.1	1.7	20	

reviewer added page from Rev 2

FORM VII CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	MS VOA 2	Calibration:	SH50043
Lab File ID:	V2-637308.D	Calibration Date:	08/12/25 06:00
Sequence:	S5H2227	Injection Date:	08/22/25
Lab Sample ID:	S5H2227-CCV1	Injection Time:	07:27

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Bromomethane	A	50.0	51.7	0.3901117	0.3479057	0.1	3.3	20	
Carbon disulfide	A	50.0	53.3	1.680327	1.790294	0.1	6.5	20	
Carbon tetrachloride	A	50.0	45.8	1.374423	1.259276	0.1	-8.4	20	
Chlorobenzene	A	50.0	50.8	0.6779016	0.6881202	0.5	1.5	20	
Chloroethane	A	50.0	56.9	0.2678192	0.3048186	0.1	13.8	20	
Chloroform	A	50.0	48.3	1.736257	1.676153	0.2	-3.5	20	
Chloromethane	A	50.0	40.7	0.8985499	0.7308375	0.1	-18.7	20	
cis-1,2-Dichloroethylene	A	50.0	49.1	1.096818	1.07725	0.1	-1.8	20	
cis-1,3-Dichloropropylene	A	50.0	53.2	0.3238379	0.3702094	0.2	6.3	20	
Cyclohexane	A	50.0	44.2	1.468097	1.518825	0.1	-11.6	20	
Dibromochloromethane	A	50.0	50.6	0.2199854	0.2226174	0.1	1.2	20	
Dibromomethane	A	50.0	50.0	0.1373249	0.1374304		0.08	20	
Dichlorodifluoromethane UJ:CV-	A	50.0	31.8	1.110148	0.6500605	0.1	-36.3	20 *	
Ethyl Benzene	A	50.0	51.9	1.043786	1.083754	0.1	3.8	20	
Hexachlorobutadiene	A	50.0	49.2	0.4287039	0.4189521		-1.5	20	
Isopropylbenzene	A	50.0	52.3	1.623489	1.885733	0.1	4.7	20	
Methyl acetate	A	50.0	56.4	0.340581	0.353144	0.1	12.7	20	
Methyl tert-butyl ether (MTBE)	A	50.0	53.4	1.658823	1.771608	0.1	6.8	20	
Methylcyclohexane	A	50.0	50.1	0.4469478	0.445882	0.1	0.3	20	
Methylene chloride sample ND	A	50.0	61.8	0.5369086	0.566461	0.1	23.7	20 *	
n-Butylbenzene so no qual	A	50.0	60.9	2.470415	3.009446		21.8	20 *	
n-Propylbenzene	A	50.0	51.0	0.8362526	0.9891008		2.1	20	
o-Xylene	A	50.0	49.7	0.6177851	0.7105221	0.3	-0.7	20	
p- & m- Xylenes	A	100	111	0.7490647	0.8277957	0.1	10.5	20	
p-Isopropyltoluene	A	50.0	51.4	1.684185	1.96215		2.8	20	
sec-Butylbenzene	A	50.0	56.2	2.284353	2.56884		12.5	20	
Styrene	A	50.0	54.5	2.564078E-02	2.854975E-02	0.3	8.9	20	
tert-Butyl alcohol (TBA)	A	250	244	6.431418E-02	6.281499E-02		-2.3	20	
tert-Butylbenzene	A	50.0	52.0	1.491759	1.761444		3.9	20	

reviewer added page from Rev 2

FORM VII CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	MS VOA 2	Calibration:	SH50043
Lab File ID:	V2-637308.D	Calibration Date:	08/12/25 06:00
Sequence:	S5H2227	Injection Date:	08/22/25
Lab Sample ID:	S5H2227-CCV1	Injection Time:	07:27

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Tetrachloroethylene	A	50.0	40.1	0.3425387	0.2815723	0.2	-19.8	20	
Toluene	A	50.0	50.6	1.015032	1.027973	0.4	1.3	20	
trans-1,2-Dichloroethylene	A	50.0	54.4	0.7640093	0.8307522	0.1	8.7	20	
trans-1,3-Dichloropropylene	A	50.0	52.0	0.3238379	0.3702094	0.1	4.0	20	
trans-1,4-dichloro-2-butene	A	50.0	51.3	0.1842464	0.2280422		2.7	20	
Trichloroethylene	A	50.0	49.3	0.273217	0.269554	0.2	-1.3	20	
Trichlorofluoromethane	A	50.0	51.0	1.437968	1.378358	0.1	2.1	20	
Vinyl Chloride	A	50.0	45.6	0.7034683	0.6415384	0.1	-8.8	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

BENCHSHEETS

SDG: 25H1532

CLASS: VOA

METHOD: EPA 8260D

PREPARATION BENCH SHEET : BH51730

Preparation Date: 08/22/2025 07:40

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1532-01 B	VOA, 8260 MASTER	6.92	5										
BH51730-BLK1	VOA, 8260 MASTER	5	5										
BH51730-BS1	VOA, 8260 MASTER	5	5	S25G542	5								
BH51730-BSD1	VOA, 8260 MASTER	5	5	S25G542	5								

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25G542	VOA - ICV/LCS/MS Static SOILS @ 50 ppb w/ suffolk	-	5

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S22K214	Volatiles Surrogate Static Mix @ 50ppb	-	1

Preparations Performed by Francis T Russel **Date:** **11/11/2022 08:23**

page added from rev 1

FORM VII CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	MS VOA 2	Calibration:	SH50043
Lab File ID:	V2-637308.D	Calibration Date:	08/12/25 06:00
Sequence:	S5H2227	Injection Date:	08/22/25
Lab Sample ID:	S5H2227-CCV1	Injection Time:	07:27

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
1,1,1,2-Tetrachloroethane	A	50.0	50.5	0.2256465	0.2280051		1.0	20	
1,1,1-Trichloroethane	A	50.0	46.8	1.567922	1.467583	0.1	-6.4	20	
1,1,2,2-Tetrachloroethane	A	50.0	56.4	0.5528865	0.6239086	0.3	12.8	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	50.0	49.1	0.7796237	0.765824	0.1	-1.8	20	
1,1,2-Trichloroethane	A	50.0	51.5	0.2093322	0.2157686	0.1	3.1	20	
1,1-Dichloroethane UJ:CV-	A	50.0	24.3	1.513261	1.054452	0.2	-51.4	20	*
1,1-Dichloroethylene	A	50.0	54.4	0.7640093	0.8307522	0.1	8.7	20	
1,2,3-Trichlorobenzene	A	50.0	49.5	0.6070333	0.655402		-1.0	20	
1,2,3-Trichloropropane	A	50.0	54.0	0.1856633	0.2006418		8.1	20	
1,2,4-Trichlorobenzene	A	50.0	51.6	0.6055662	0.6964703	0.2	3.2	20	
1,2,4-Trimethylbenzene	A	50.0	52.3	1.623489	1.885733		4.7	20	
1,2-Dibromo-3-chloropropane	A	50.0	46.3	9.656675E-02	9.250915E-02	0.05	-7.4	20	
1,2-Dibromoethane	A	50.0	49.8	0.1884029	0.1876425	0.1	-0.4	20	
1,2-Dichlorobenzene	A	50.0	52.7	1.01457	1.06861	0.4	5.3	20	
1,2-Dichloroethane	A	50.0	49.4	1.279323	1.26505	0.1	-1.1	20	
1,2-Dichloropropane	A	50.0	53.5	0.2195767	0.2347641	0.1	6.9	20	
1,3,5-Trimethylbenzene	A	50.0	51.7	1.891974	2.234993		3.3	20	
1,3-Dichlorobenzene	A	50.0	55.6	1.000692	1.111856	0.6	11.1	20	
1,4-Dichlorobenzene	A	50.0	56.7	0.943841	1.069574	0.5	13.3	20	
2-Butanone	A	50.0	40.5	0.6465022	0.635556	0.1	-18.9	20	
2-Hexanone	A	50.0	46.1	0.1333758	0.145847	0.1	-7.9	20	
4-Methyl-2-pentanone	A	50.0	43.9	0.1857059	0.2026782	0.1	-12.1	20	
Acetone J+:CV+	A	50.0	67.0	0.1671072	0.1888666	0.1	34.0	20	*
Acrolein	A	200	196	7.714817E-02	7.561684E-02		-2.0	20	
Acrylonitrile UJ:CV-	A	250	162	0.3118334	0.202638		-35.0	20	*
Benzene	A	50.0	48.4	3.904333	3.781152	0.5	-3.2	20	
Bromochloromethane	A	50.0	54.8	0.6817816	0.7473808		9.6	20	
Bromodichloromethane	A	50.0	51.8	0.2962272	0.3071432	0.2	3.7	20	
Bromoform	A	50.0	50.8	0.1453451	0.1477936	0.1	1.7	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	MS VOA 2	Calibration:	SH50043
Lab File ID:	V2-637308.D	Calibration Date:	08/12/25 06:00
Sequence:	S5H2227	Injection Date:	08/22/25
Lab Sample ID:	S5H2227-CCV1	Injection Time:	07:27

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Bromomethane	A	50.0	51.7	0.3901117	0.3479057	0.1	3.3	20	
Carbon disulfide	A	50.0	53.3	1.680327	1.790294	0.1	6.5	20	
Carbon tetrachloride	A	50.0	45.8	1.374423	1.259276	0.1	-8.4	20	
Chlorobenzene	A	50.0	50.8	0.6779016	0.6881202	0.5	1.5	20	
Chloroethane	A	50.0	56.9	0.2678192	0.3048186	0.1	13.8	20	
Chloroform	A	50.0	48.3	1.736257	1.676153	0.2	-3.5	20	
Chloromethane	A	50.0	40.7	0.8985499	0.7308375	0.1	-18.7	20	
cis-1,2-Dichloroethylene	A	50.0	49.1	1.096818	1.07725	0.1	-1.8	20	
cis-1,3-Dichloropropylene	A	50.0	53.2	0.3238379	0.3702094	0.2	6.3	20	
Cyclohexane	A	50.0	44.2	1.468097	1.518825	0.1	-11.6	20	
Dibromochloromethane	A	50.0	50.6	0.2199854	0.2226174	0.1	1.2	20	
Dibromomethane	A	50.0	50.0	0.1373249	0.1374304		0.08	20	
Dichlorodifluoromethane UJ:CV-	A	50.0	31.8	1.110148	0.6500605	0.1	-36.3	20 *	
Ethyl Benzene	A	50.0	51.9	1.043786	1.083754	0.1	3.8	20	
Hexachlorobutadiene	A	50.0	49.2	0.4287039	0.4189521		-1.5	20	
Isopropylbenzene	A	50.0	52.3	1.623489	1.885733	0.1	4.7	20	
Methyl acetate	A	50.0	56.4	0.340581	0.353144	0.1	12.7	20	
Methyl tert-butyl ether (MTBE)	A	50.0	53.4	1.658823	1.771608	0.1	6.8	20	
Methylcyclohexane	A	50.0	50.1	0.4469478	0.445882	0.1	0.3	20	
Methylene chloride sample ND	A	50.0	61.8	0.5369086	0.566461	0.1	23.7	20 *	
n-Butylbenzene so no qual	A	50.0	60.9	2.470415	3.009446		21.8	20 *	
n-Propylbenzene	A	50.0	51.0	0.8362526	0.9891008		2.1	20	
o-Xylene	A	50.0	49.7	0.6177851	0.7105221	0.3	-0.7	20	
p- & m- Xylenes	A	100	111	0.7490647	0.8277957	0.1	10.5	20	
p-Isopropyltoluene	A	50.0	51.4	1.684185	1.96215		2.8	20	
sec-Butylbenzene	A	50.0	56.2	2.284353	2.56884		12.5	20	
Styrene	A	50.0	54.5	2.564078E-02	2.854975E-02	0.3	8.9	20	
tert-Butyl alcohol (TBA)	A	250	244	6.431418E-02	6.281499E-02		-2.3	20	
tert-Butylbenzene	A	50.0	52.0	1.491759	1.761444		3.9	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1532
Client:	Terracon Consultants, Inc.	Project:	JA257006 Task 10.2
Instrument ID:	MS VOA 2	Calibration:	SH50043
Lab File ID:	V2-637308.D	Calibration Date:	08/12/25 06:00
Sequence:	S5H2227	Injection Date:	08/22/25
Lab Sample ID:	S5H2227-CCV1	Injection Time:	07:27

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Tetrachloroethylene	A	50.0	40.1	0.3425387	0.2815723	0.2	-19.8	20	
Toluene	A	50.0	50.6	1.015032	1.027973	0.4	1.3	20	
trans-1,2-Dichloroethylene	A	50.0	54.4	0.7640093	0.8307522	0.1	8.7	20	
trans-1,3-Dichloropropylene	A	50.0	52.0	0.3238379	0.3702094	0.1	4.0	20	
trans-1,4-dichloro-2-butene	A	50.0	51.3	0.1842464	0.2280422		2.7	20	
Trichloroethylene	A	50.0	49.3	0.273217	0.269554	0.2	-1.3	20	
Trichlorofluoromethane	A	50.0	51.0	1.437968	1.378358	0.1	2.1	20	
Vinyl Chloride	A	50.0	45.6	0.7034683	0.6415384	0.1	-8.8	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

BENCHSHEETS

SDG: 25H1532
CLASS: VOA
METHOD: EPA 8260D

PREPARATION BENCH SHEET : BH51730

Preparation Date: 08/22/2025 07:40

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1532-01 B	VOA, 8260 MASTER	6.92	5										
BH51730-BLK1	VOA, 8260 MASTER	5	5										
BH51730-BS1	VOA, 8260 MASTER	5	5	S25G542	5								
BH51730-BSD1	VOA, 8260 MASTER	5	5	S25G542	5								

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25G542	VOA - ICV/LCS/MS Static SOILS @ 50 ppb w/ suffolk	-	5

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S22K214	Volatiles Surrogate Static Mix @ 50ppb	-	1

Preparations Performed by Francis T Russel **Date:** **11/11/2022 08:23**

B. Sample Delivery Group 25H1535

Organic Analysis Support Documentation

Client Name:	Terracon	Project Manager:	Steve Zeiner
Site/Project Name:	HPN Env Management HVAC DV Support	Reviewed by:	Aaron Sobel
Job Number/Task:	PROJ-063926 Task 2 (Excavation)	Approved by:	Heather Paul
Laboratory/Location:	ALS Environmental - Stratford	Completion Date:	4/28/2026
SDG:	25H1535	Validation Level:	Level 4
Sample Collection Dates:	8/20/25		

The following table indicates criteria that were examined, the identified problems, and support documentation attachments.

	Criteria Examined in Detail							**Problems Identified**						
	Note: All items examined have been included in the Support Document unless otherwise noted.													
	Check (√) if Yes or Footnote Letter for Comments Below													
Parameter/ Method	VOC 8260D	SVOC 8270E	SVOC 8270E-SIM	PCB 8082A	Pest 8081B			VOC 8260D	SVOC 8270E	SVOC 8270E-SIM				
Condition Upon Receipt	√	√	√	√	√									
Sample Preservation	√	√	√	√	√									
Holding Times	√	√	√		√									
Blank Analysis Results	√	√	√	√	√			√						
Surrogates	√	√	√	√	√			√						
Laboratory Control Sample	√	√	√	√	√			√	√					
Matrix Spike/Matrix Spike Duplicate	√	√	√	√	√				√					
Laboratory Duplicate														
Field Duplicate	√	√	√	√	√									
Sample Preparation	√	√	√	√	√									
Detection Limit/Sensitivity	√	√	√	√	√									
Mass Tuning	√	√	√							√				
GC Instrument Performance – Resolution Checks and DDT/Endrin Breakdown					√									
Initial Calibrations	√	√	√	√	√			√						
Continuing Calibrations	√	√	√	√	√			√	√					
Internal Standard Performance	√	√	√					√						
Retention Time Shifts	√	√	√	√	√									
Quantitation of Results	√	√	√	√	√			√	√					
Qualitative Identification Targets	√	√	√	√	√									
Qualitative Identification TICs														
Multiple Dilutions/Analyses														
Analytical Sequence	√	√	√	√	√									
GC Column Agreement														
Manual Integration														
Percent Solids	√	√	√	√	√									
Extract Cleanup Documentation, Checks and Calibrations														
Deliverable was Complete	√	√	√	√	√									
Other:														

Comments: Qualitative Identification and Quantitation of Results, and Manual Integrations are not included in the Support Documentation unless a problem was identified.

Hi-Res and PFAS Organic Analysis Support Documentation

Onterris™

Client Name:	Terracon	Project Manager:	Steve Zeiner
Site/Project Name:	HPN Env Management HVAC DV Support	Reviewed by:	Valerie Butterhof
Job Number/Task:	PROJ-063926 Task 2 (Excavation)	Approved by:	Heather Paul
Laboratory/Location:	ALS Environmental - Stratford	Completion Date:	4/2026
SDG:	25H1535	Validation Level:	Level 4
Sample Collection Dates:	8/20/25		

The following table indicates criteria that were examined, the identified problems, and support documentation attachments.

	Criteria Examined in Detail **Note:** All items examined have been included in the Support Document unless otherwise noted.							**Problems Identified**						
	Check (√) if Yes or Footnote Letter for Comments Below													
Parameter/ Method	PFAs 1633							PFAS 1633						
Condition Upon Receipt	√													
Sample Preservation	√													
Holding Times	√													
Blank Analysis Results	√													
Laboratory Control Sample/Laboratory Fortified Blank/ On-going Precision and Recovery Standard	√							√						
Surrogates														
PFAS Pre-Extraction Internal Standards	√							√						
Laboratory Duplicate														
Field Duplicate	√													
Matrix Spike/Matrix Spike Duplicate	√							√						
Sample Preparation	√													
Mass Tuning														
Initial Calibration	√													
Second-Source Calibration Verification	√													
PFAS Signal Suppression Check														
Peak Asymmetry														
Continuing Calibrations	√							√						
Resolution Check Standards														
Detection Limit/Sensitivity	√							√						
Post-Extraction Internal Standards	√													
Quantitation of Results	√													
Linear/Branched Identification/Quantitation	√							√						
Qualitative Identification	√													
2,3,7,8-TCDD – 2nd column confirmation														
PFAS Ion Transition Ratio/Hi-Res Ion Ratio	√							√						
Hi-Res Lock Mass Monitoring														
Dioxin/Furan Chlorodiphenyl Ethers Monitoring														
Analytical Sequence	√													
Percent Solids	√													
Deliverable was Complete	√													
Other: Bile Salt Check	√													

Comments: Qualitative Identification and Quantitation of Results are not included in the Support Documentation unless a problem was identified.

Inorganic Analysis Support Documentation

Client Name:	Terracon	Project Manager:	Steve Zeiner
Site/Project Name:	HPN Env Management HVAC DV Support	Reviewed by:	Aaron Sobel
Job Number/Task:	PROJ-063926 Task 2 (Excavation)	Approved by:	Heather Paul
Laboratory/Location:	ALS Environmental - Stratford	Completion Date:	4/28/2026
SDG:	25H1535	Validation Level:	4
Sample Collection Dates:	8/20/25		

The following table indicates criteria that were examined, the identified problems, and support documentation attachments.

	Criteria Examined in Detail **Note:** All items examined have been included in the Support Document unless otherwise noted.							**Problems Identified**						
	Check (√) if Yes or Footnote Letter for Comments Below													
Parameter/ Method	Metals 6010D	Hg 7473						Metals 6010D						
Condition Upon Receipt	√	√												
Sample Preservation	√	√												
Holding Times	√	√												
Blank Analysis Results	√	√												
Laboratory Control Sample	√	√												
Matrix Spike (Pre-Digestion Spike)	√	√						√						
Laboratory Duplicate	√	√						√						
Field Duplicate	√	√												
Total *vs.* Dissolved Results Comparison														
Sample Preparation	√	√												
Mass Tuning														
Initial Calibrations	√	√												
Continuing Calibrations	√	√												
Detection Limit/Reporting Limit Standards	√	√												
Negative Bias	√													
Interference Checks	√													
Post-Digestion Spike	√							√						
Serial Dilution	√							√						
Analytical Sequence	√	√												
Linear Range Analysis	√													
Interelement Correction Factors														
Detection Limit/Sensitivity	√	√												
Dilutions														
Internal Standard Performance	√													
Quantitation of Results	√	√												
Multiple Exposures %RSD	√	√												
Percent Solids	√	√												
Deliverable was Complete	√	√												
Other:														

Comments: Quantitation of Results and Multiple Exposures are not included in the Support Documentation unless a problem was identified.

Blank Analysis Results

Fraction[1]	Matrix[2]	Blank Type[3]	Blank Sample Number	Contaminant	Concentration	Units[4]	CLC[5]	Qualification Limits	
								(2×/4×)[5]	(10×)
PF	S	CCB	S5I0837-CCB3	8:2 FTS	0.0068	ng/ml	No	0.0136	0.068
				4:2 FTS	0.0011	ng/ml	No	0.0022	0.011
				6:2 FTS	0.0015	ng/ml	No	0.003	0.015
				PFDoS	0.004	ng/ml	No	0.008	0.04
PF	S	CCB	S5I0837-CCB4	4:2 FTS	0.0073	ng/ml	No	0.0146	0.073
				6:2 FTS	0.0016	ng/ml	No	0.0032	0.016
V	Aq	TB	TRIP BLANK	Acetone	1.69	µg/L	Yes	6.76	16.9

1 - M = Metal; G = General Chemistry; V = Volatile; S = Semivolatile; P = Pesticide/PCB; PF = PFAS; D/F = Dioxins/Furans; O = Other

2 - Aq = Aqueous; S = Solid; Air

3 - MB = Method Blank; TB = Trip Blank; EB = Equipment Blank; FB = Field Blank; LB = Leachate Blank
IB = Instrument Blank; CCB = Continuing Calibration Blank; ICB = Initial Calibration Blank; CB = Cannister Blank

4 - µg/L, mg/L, pg/L, ng/L, µg/kg, mg/kg, pg/kg, ng/kg

5 - Analytes that are common laboratory contaminants (CLCs) will be evaluated with a 4× qualification limit.

Notes:

Sample specific qualificaiton limits calculated to evaluate Trip Blank contamination for acetone.

Effective Date: 6/13/2017
Revision: 3

EVALUATION OF DUPLICATE RESULTS

Matrix: ○ Aqueous ◉ Non-aq.
Reporting Level: ◉ MDL ○ QL
Units: ug/kg

PRECISION OBJECTIVES:
If Both Results 5 × Their QL, RPD : 40
If Either Result < 5 × Its QL, Dif. : 2 **× Highest QL**

Sample ID:	HVAC Bottom 3 ft				**Duplicate Sample ID:**	HVAC DUP					
Analyte	**Sample Concentration**	**Qual**	**QL**	**MDL**	**Duplicate Concentration**	**Qual**	**QL**	**MDL**	**Difference**	**RPD**	**Flag**
PFHxS	0.116	J	0.199	0.0762	0.0897	J	0.205	0.0786	NA	NA	
PFOS	1.47		0.202	0.0762	1.27		0.209	0.0786	NA	15%	

NOTES:

Qual: Qualifier(s) based on evaluation(s) other than Total/ vs. Dissolved comparison, if applicable (J, U, U* or B)
RPD: Relative Percent Difference
QL: Quantitation Limit
MDL: Method Detection Limit
RL: Reporting Limit. RL = QL for QL reporting and MDL for MDL reporting
J: The analyte concentration should be considered estimated
U: The analyte was not detected in the sample at or above the RL indicated. The RL will be used for comparison purposes.
UJ: The analyte was not detected in the sample at or above the Reporting Limit Indicated. The RL is approximate.
R: The analyte was analyzed for and detected, but sample results are unreliable. The presence or absence of the analyte cannot be verified.
UR: The analyte was analyzed for and not detected, but the determination that the analyte was not present in the sample is unreliable. The presence or absence of the analyte cannot be verified.
U* The result was blank qualified. The RL will be used for comparison purposes.

Comments:

EVALUATION OF DUPLICATE RESULTS

Matrix: ○ Aqueous ◉ Non-aq.
Reporting Level: ◉ MDL ○ QL
Units: mg/kg

PRECISION OBJECTIVES:
If Both Results 5 × Their QL, RPD : 40
If Either Result < 5 × Its QL, Dif. : 2 **× Highest QL**

Sample ID:	HVAC Bottom 3 ft				**Duplicate Sample ID:**	HVAC DUP					
Analyte	**Sample Concentration**	**Qual**	**QL**	**MDL**	**Duplicate Concentration**	**Qual**	**QL**	**MDL**	**Difference**	**RPD**	**Flag**
Aluminum	15800		4.55	4.55	14800		4.69	4.69	NA	7%	
Arsenic	3.51		1.37	1.37	3.3		1.41	1.41	0.21	NA	
Barium	111		2.27	2.27	107		2.34	2.34	NA	4%	
Calcium	14900		4.55	4.55	10900		4.69	4.69	NA	31%	
Chromium, Total	25.5		0.456	0.456	25.4		0.469	0.469	NA	0%	
Cobalt	11.5		0.364	0.364	11.5		0.375	0.375	NA	0%	
Copper	32.6		1.82	1.82	43		1.88	1.88	NA	28%	
Iron	24400		22.8	22.8	23600		23.4	23.4	NA	3%	
Lead	8.19		0.456	0.456	9.87		0.469	0.469	NA	19%	
Magnesium	7140		4.56	4.56	6600		4.69	4.69	NA	8%	
Manganese	419		0.456	0.456	446		0.469	0.469	NA	6%	
Nickel	18.3		0.907	0.907	18		0.934	0.934	NA	2%	
Potassium	4200		4.56	4.56	3770		4.69	4.69	NA	11%	
Sodium	489		45.5	45.5	347		46.9	46.9	NA	34%	
Vanadium	42.8		0.907	0.907	44.5		0.934	0.934	NA	4%	
Zinc	60.1		2.27	2.27	55.5		2.33	2.33	NA	8%	
Acetone	0.018		0.0098	0.0049	0.031		0.012	0.0058	0.013	NA	
2-Methylnaphthalene	0.0688		0.0897	0.0449	0.178		0.0926	0.0464	0.1092	NA	
Acenaphthylene	0.303		0.0897	0.0449	0.16		0.0926	0.0464	0.143	NA	
Anthracene	0.273		0.0897	0.0449	0.155		0.0926	0.0464	0.118	NA	
Benzo(a)anthracene	0.495		0.0897	0.0449	0.465		0.0926	0.0464	NA	6%	
Benzo(a)pyrene	0.477		0.0897	0.0449	0.473		0.0926	0.0464	NA	1%	
Benzo(b)fluoranthene	0.285		0.0897	0.0449	0.319		0.0926	0.0464	0.034	NA	
Benzo(g,h,i)perylene	0.328		0.0897	0.0449	0.353		0.0926	0.0464	0.025	NA	
Benzo(k)fluoranthene	0.311		0.0897	0.0449	0.309		0.0926	0.0464	0.002	NA	
Chrysene	0.559		0.0897	0.0449	0.525		0.0926	0.0464	NA	6%	
Dibenz(a,h)anthracene	0.0975		0.0897	0.0449	0.0807		0.0926	0.0464	0.0168	NA	
Fluoranthene	0.436		0.0897	0.0449	0.452		0.0926	0.0464	0.016	NA	
Fluorene	0.0767		0.0897	0.0449	0.0748		0.0926	0.0464	NA	NA	
Indeno(1,2,3-c,d)pyrene	0.194		0.0897	0.0449	0.201		0.0926	0.0464	0.007	NA	
Naphthalene	0.0595		0.0897	0.0449	0.233		0.0926	0.0464	0.1735	NA	
Phenanthrene	0.403		0.0897	0.0449	0.301		0.0926	0.0464	0.102	NA	
Pyrene	1.3		0.0897	0.0449	0.983		0.0926	0.0464	NA	28%	
Percent Solid	91.5		0.1	0.1	88.9		0.1	0.1	NA	3%	

NOTES:

Qual: Qualifier(s) based on evaluation(s) other than Total/ vs. Dissolved comparison, if applicable (J, U, U* or B)
RPD: Relative Percent Difference
QL: Quantitation Limit
MDL: Method Detection Limit
RL: Reporting Limit. RL = QL for QL reporting and MDL for MDL reporting
J: The analyte concentration should be considered estimated
U: The analyte was not detected in the sample at or above the RL indicated. The RL will be used for comparison purposes.
UJ: The analyte was not detected in the sample at or above the Reporting Limit Indicated. The RL is approximate.
R: The analyte was analyzed for and detected, but sample results are unreliable. The presence or absence of the analyte cannot be verified.
UR: The analyte was analyzed for and not detected, but the determination that the analyte was not present in the sample is unreliable. The presence or absence of the analyte cannot be verified.
U* The result was blank qualified. The RL will be used for comparison purposes.

Comments:

Report Date: 02/04/2026
Client Project ID: HPN HVAC J4257006, 10.2
Project (SDG) No.: 25H1535

Terracon Consultants, Inc.
201 Hammer Mill Rd
Rocky Hill CT, 06067
Attention: Don Pomeroy

General Notes

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 21, 2025 and listed below. The project was identified as your project: **HPN HVAC J4257006, 10.2**. JA257006 on the COC Record

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the ***Sample and Analysis Qualifiers*** section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the ***Sample and Data Qualifiers Relating to This Work Order*** section of this report and case narrative if applicable.

All Standard method references are based on the 24th Edition of Standard Methods unless otherwise noted.

The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.

Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.

ALS's liability for the above data is limited to the dollar value paid to ALS for the referenced project.

This report shall not be reproduced without the written approval of ALS.

All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information

It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.

This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by ALS.

Analyses conducted at ALS Environmental - Richmond Hill - Stratford, CT are indicated by NYDOH-NY10854, NJDEP-CT005, PADEP-68-04440, CTDPH-PH0840; those conducted at ALS Environmental - Richmond Hill, NY are indicated by NYDOH-NY12058, NJDEP-NY037, CTDPH-PH0837, NHDES-NH2097, MDDEP-375, PADEP-68-06231.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

Approved By: Cassie Mosher
Laboratory Manager Stratford

Approved By: Samantha Henningsen
Laboratory Director - Queens

Narrative Contents Summary

This Work Order Narrative includes the following items for full review of any quality issues encountered with samples and their analyses for the parameters requested:

1. Sample Receipt Information, including a Sample Summary which cross references your sample ID with Analytical sample ID, identifying the matrix and Date/Time collected and received.
2. Analysis Methodologies employed for the work order
3. Any Sample Issues encountered such as Holding time exceedances, improper containers/preservation, or any related issue with sample integrity
4. Specific Analysis Findings in order: Volatiles, Semi-Volatiles, Pesticides/PCBs, Herbicides, other GC parameters, Metals, Mercury, Wet Chemistry.
5. Analysis Findings Include:

    - Analyte qualifier summary
    - Samples and associated Calibration Curve(s)
    - Calibration Outliers Discussion/Tabular presentation and affected samples
    - Initial Calibration Verification (ICV) information
    - Batch QC Sample Performance (Blanks, Blank Spikes (BS), MS/MSD)
    - Internal Standard Performance
    - Surrogate Performance
    - Example Calculations

Work Order Narrative

Analytical Work Order No.: 25H1535

Client : Terracon Consultants, Inc.

Client Project ID : HPN HVAC J4257006, 10.2

Prepared for : Don Pomeroy

1.0) Introduction

This work order Narrative applies to the following samples submitted to our laboratory on: 08/21/2025 5:55 PM

12 sample(s) were received intact in a custody-sealed cooler(s) unless otherwise noted. Upon receipt, cooler temperature(s) was determined using a NIST traceable digital infrared thermometer. The cooler temperature was acceptable (<= 6 °C)
and documented as: **{3.7}°C**

lab confirmed soils received in terracore vials and frozen on receipt

Sample Summary

SampleName	Lab Number	Matrix	Date Collected	Date Received
HVAC SW North-S-1	25H1535-01	Soil	08/20/2025 2:16 PM	08/21/2025 5:55 PM
HVAC SW South-S-1	25H1535-02	Soil	08/20/2025 2:04 PM	08/21/2025 5:55 PM
HVAC SW East-S-1	25H1535-03	Soil	08/20/2025 2:09 PM	08/21/2025 5:55 PM
HVAC SW West-S-1	25H1535-04	Soil	08/20/2025 1:51 PM	08/21/2025 5:55 PM
HVAC SW North 1-3	25H1535-05	Soil	08/20/2025 2:16 PM	08/21/2025 5:55 PM
HVAC SW South 1-3	25H1535-06	Soil	08/20/2025 2:04 PM	08/21/2025 5:55 PM
HVAC SW East 1-3	25H1535-07	Soil	08/20/2025 2:09 PM	08/21/2025 5:55 PM
HVAC SW West 1-3	25H1535-08	Soil	08/20/2025 1:51 PM	08/21/2025 5:55 PM
HVAC Bottom 3 ft	25H1535-09	Soil	08/20/2025 2:11 PM	08/21/2025 5:55 PM
HVAC DUP	25H1535-10	Soil	08/20/2025 2:11 PM	08/21/2025 5:55 PM
Trip Blank	25H1535-11	Water	08/20/2025 3:00 PM	08/21/2025 5:55 PM
Field Blank	25H1535-12	Water	08/20/2025 2:30 PM	08/21/2025 5:55 PM

WorkOrder Comments

Analytical Work Order Narrative

2.0 Methodology

Analysis Class	*Preparation Method*	*Analysis Methodology*
WETCAL	% Solids Prep	SM 2540G
VOA	EPA 5030B	EPA 8260D
VOA	EPA 5035A	EPA 8260D
SVOA	EPA 3510C	EPA 8270E
SVOA	EPA 3550C	EPA 8270E
SVOA_SIM	EPA 3550C	EPA 8270E SIM
PFAS	EPA 1633 Prep	EPA 1633A
PEST	EPA 3550C	EPA 8081B
PEST	EPA SW846-3510C Low Level	EPA 8081B
ARO	EPA 3550C	EPA 8082A
ARO	EPA SW846-3510C Low Level	EPA 8082A
ARO	Preparation of WIPES for PEST/	EPA 8082A
METALS	EPA 3050B	EPA 6010D
HG	EPA 7473 soil	EPA 7473

Methodology Comments

The laboratory has updated the Volatile and Semi Volatile analyses to reflect 8260D and 8270E method requirements and as such, report forms will reflect this change. Please note that samples analyzed prior to August 1, 2025, were analyzed using the 8260C and 8270D method requirements.

3.0 Sample Issues

No issues were encountered with the samples submitted other than those detailed below.

Analytical Work Order Narrative

Qualifier Summary Report:

SampleID	Method	LabNumber	Matrix	Analyte	Qualifier
	EPA 1633A	25H1535-01RE1	Soil	HFPO-DA (Gen-X)	PF-CCV-L
	EPA 1633A	25H1535-01RE1	Soil	Perfluoro-1-octanesulfonamide (FOSA)	J
	EPA 1633A	25H1535-01RE1	Soil	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	HT-NFD
	EPA 1633A	25H1535-01RE1	Soil	Perfluorohexanesulfonic acid (PFHxS)	J
	EPA 1633A	25H1535-01RE1	Soil	Perfluoroundecanoic acid (PFUnA)	J
	EPA 1633A	25H1535-02RE1	Soil	HFPO-DA (Gen-X)	PF-CCV-L
	EPA 1633A	25H1535-02RE1	Soil	M2-4:2 FTS	PFSu-L
	EPA 1633A	25H1535-02RE1	Soil	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	HT-NFD
	EPA 1633A	25H1535-03RE1	Soil	HFPO-DA (Gen-X)	PF-CCV-L
	EPA 1633A	25H1535-03RE1	Soil	M2-4:2 FTS	PFSu-L
	EPA 1633A	25H1535-03RE1	Soil	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	HT-NFD
	EPA 1633A	25H1535-03RE1	Soil	Perfluorohexanoic acid (PFHxA)	J
	EPA 1633A	25H1535-03RE1	Soil	Perfluorooctanoic acid (PFOA)	J
	EPA 1633A	25H1535-03RE1	Soil	Perfluoropentanoic acid (PFPeA)	J
	EPA 1633A	25H1535-03RE1	Soil	Perfluoroundecanoic acid (PFUnA)	J
	EPA 1633A	25H1535-04RE1	Soil	HFPO-DA (Gen-X)	PF-CCV-L
	EPA 1633A	25H1535-04RE1	Soil	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	HT-NFD
	EPA 1633A	25H1535-04RE1	Soil	Perfluorododecanoic acid (PFDoA)	J
	EPA 1633A	25H1535-04RE1	Soil	Perfluorohexanesulfonic acid (PFHxS)	J
	EPA 1633A	25H1535-05RE1	Soil	HFPO-DA (Gen-X)	PF-CCV-L
	EPA 1633A	25H1535-05RE1	Soil	Perfluoro-1-octanesulfonamide (FOSA)	J
	EPA 1633A	25H1535-05RE1	Soil	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	HT-NFD
	EPA 1633A	25H1535-05RE1	Soil	Perfluorohexanesulfonic acid (PFHxS)	J
	EPA 1633A	25H1535-05RE1	Soil	Perfluoroundecanoic acid (PFUnA)	J
	EPA 1633A	25H1535-06RE1	Soil	HFPO-DA (Gen-X)	PF-CCV-L
	EPA 1633A	25H1535-06RE1	Soil	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	HT-NFD
	EPA 1633A	25H1535-06RE1	Soil	Perfluorohexanesulfonic acid (PFHxS)	J
	EPA 1633A	25H1535-07RE1	Soil	HFPO-DA (Gen-X)	PF-CCV-L
	EPA 1633A	25H1535-07RE1	Soil	M9PFNA	PFSu-H
	EPA 1633A	25H1535-07RE1	Soil	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	HT-NFD
	EPA 1633A	25H1535-07RE1	Soil	Perfluorobutanesulfonic acid (PFBS)	J

Analytical Work Order Narrative

Qualifier Summary Report:

SampleID	Method	LabNumber	Matrix	Analyte	Qualifier
	EPA 1633A	25H1535-07RE1	Soil	Perfluorohexanoic acid (PFHxA)	J
	EPA 1633A	25H1535-07RE1	Soil	Perfluorooctanoic acid (PFOA)	J
	EPA 1633A	25H1535-07RE1	Soil	Perfluoropentanoic acid (PFPeA)	J
	EPA 1633A	25H1535-07RE1	Soil	Perfluorotridecanoic acid (PFTrDA)	J
	EPA 1633A	25H1535-07RE1	Soil	Perfluoroundecanoic acid (PFUnA)	J
	EPA 1633A	25H1535-08RE1	Soil	HFPO-DA (Gen-X)	PF-CCV-L
	EPA 1633A	25H1535-08RE1	Soil	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	HT-NFD
	EPA 1633A	25H1535-09RE1	Soil	HFPO-DA (Gen-X)	PF-CCV-L
	EPA 1633A	25H1535-09RE1	Soil	M9PFNA	PFSu-H
	EPA 1633A	25H1535-09RE1	Soil	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	HT-NFD
	EPA 1633A	25H1535-09RE1	Soil	Perfluorohexanesulfonic acid (PFHxS)	J
	EPA 1633A	25H1535-10RE1	Soil	HFPO-DA (Gen-X)	PF-CCV-L
	EPA 1633A	25H1535-10RE1	Soil	M9PFNA	PFSu-H
	EPA 1633A	25H1535-10RE1	Soil	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	HT-NFD
	EPA 1633A	25H1535-10RE1	Soil	Perfluorohexanesulfonic acid (PFHxS)	J
Field Blank	EPA 1633A	25H1535-12	Water	HFPO-DA (Gen-X)	PF-CCV-L
Field Blank	EPA 1633A	25H1535-12	Water	HFPO-DA (Gen-X)	PF-LCS-L
Field Blank	EPA 1633A	25H1535-12	Water	M3HFPO-DA	PFSu-H
Field Blank	EPA 1633A	25H1535-12	Water	M3PFBS	PFSu-H
Field Blank	EPA 1633A	25H1535-12	Water	M9PFNA	PFSu-H
Field Blank	EPA 1633A	25H1535-12	Water	Perfluoro-1-nonanesulfonic acid (PFNS)	PF-LCS-L
Field Blank	EPA 1633A	25H1535-12	Water	Perfluoro-n-[13C4]butanoic acid (MPFBA)	PFSu-H
Field Blank	EPA 1633A	25H1535-12	Water	Perfluoro-n-[13C8]octanoic acid (M8PFOA)	PFSu-H
	EPA 1633A	BI50241-BS2	Water	9CL-PF3ONS	J
	EPA 1633A	BI50241-BS2	Water	HFPO-DA (Gen-X)	J
	EPA 1633A	BI50241-BS2	Water	N-EtFOSAA	J
	EPA 1633A	BI50241-BS2	Water	Perfluoro-1-nonanesulfonic acid (PFNS)	J
	EPA 1633A	BI50372-BS2	Soil	11CL-PF3OUdS	J
	EPA 1633A	BI50372-BS2	Soil	9CL-PF3ONS	J
	EPA 1633A	BI50372-BS2	Soil	ADONA	J
	EPA 1633A	BI50372-BS2	Soil	HFPO-DA (Gen-X)	J
	EPA 1633A	BI50372-BS2	Soil	N-EtFOSAA	J
	EPA 1633A	BI50372-BS2	Soil	Perfluoro-1-nonanesulfonic acid (PFNS)	J
HVAC SW East 1-3	EPA 8081B	25H1535-07	Soil	4,4'-DDT	P
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,1,1,2-Tetrachloroethane	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,1,1-Trichloroethane	IS-LO

Analytical Work Order Narrative

Qualifier Summary Report:

SampleID	Method	LabNumber	Matrix	Analyte	Qualifier
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,1,2,2-Tetrachloroethane	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,1,2-Trichloroethane	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,1-Dichloroethane	ICVE
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,1-Dichloroethane	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,1-Dichloroethane	CCVE
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,1-Dichloroethane	QL-02
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,1-Dichloroethylene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,2,3-Trichlorobenzene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,2,3-Trichloropropane	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,2,4-Trichlorobenzene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,2,4-Trimethylbenzene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,2-Dibromo-3-chloropropane	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,2-Dibromoethane	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,2-Dichlorobenzene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,2-Dichloroethane	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,2-Dichloropropane	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,3,5-Trimethylbenzene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,3-Dichlorobenzene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	1,4-Dichlorobenzene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	2-Butanone	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	2-Butanone	ICVE
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	2-Butanone	QL-02
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	2-Hexanone	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	4-Methyl-2-pentanone	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	4-Methyl-2-pentanone	CCVE
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Acetone	CCVE
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Acetone	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Acetone	E
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Acrolein	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Acrolein	CCVE
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Acrylonitrile	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Acrylonitrile	CCVE
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Acrylonitrile	ICVE
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Benzene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Bromochloromethane	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Bromodichloromethane	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Bromoform	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Bromomethane	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Carbon disulfide	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Carbon tetrachloride	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Chlorobenzene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Chloroethane	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Chloroform	IS-LO

Analytical Work Order Narrative

Qualifier Summary Report:

SampleID	Method	LabNumber	Matrix	Analyte	Qualifier
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Chloromethane	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	cis-1,2-Dichloroethylene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	cis-1,3-Dichloropropylene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Cyclohexane	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Dibromochloromethane	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Dibromomethane	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Dichlorodifluoromethane	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Dichlorodifluoromethane	CCVE
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Ethyl Benzene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Hexachlorobutadiene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Hexachlorobutadiene	QL-02
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Isopropylbenzene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	ISTD: 1,2-Dichlorobenzene-d4	IS-01
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	ISTD: Chlorobenzene-d5	IS-01
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	ISTD: Fluorobenzene	IS-01
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Methyl acetate	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Methyl tert-butyl ether (MTBE)	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Methylcyclohexane	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Methylene chloride	J
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Methylene chloride	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	n-Butylbenzene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	n-Butylbenzene	QL-02
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	n-Propylbenzene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	o-Xylene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	p- & m- Xylenes	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	p-Isopropyltoluene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	sec-Butylbenzene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Styrene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	SURR: 1,2-Dichloroethane-d4	S-03
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	SURR: 1,2-Dichloroethane-d4	S-08
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	SURR: 1,2-Dichloroethane-d4	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	SURR: p-Bromofluorobenzene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	SURR: Toluene-d8	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	tert-Butyl alcohol (TBA)	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	tert-Butylbenzene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	tert-Butylbenzene	QL-02
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Tetrachloroethylene	QL-02
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Tetrachloroethylene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Toluene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	trans-1,2-Dichloroethylene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	trans-1,3-Dichloropropylene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	trans-1,4-dichloro-2-butene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Trichloroethylene	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Trichlorofluoromethane	IS-LO
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Vinyl Chloride	IS-LO

Analytical Work Order Narrative

Qualifier Summary Report:

SampleID	Method	LabNumber	Matrix	Analyte	Qualifier
HVAC SW North-S-1	EPA 8260D	25H1535-01	Soil	Xylenes, Total	IS-LO
HVAC SW South-S-1	EPA 8260D	25H1535-02	Soil	1,1-Dichloroethane	QL-02
HVAC SW South-S-1	EPA 8260D	25H1535-02	Soil	1,1-Dichloroethane	ICVE
HVAC SW South-S-1	EPA 8260D	25H1535-02	Soil	1,1-Dichloroethane	CCVE
HVAC SW South-S-1	EPA 8260D	25H1535-02	Soil	2-Butanone	ICVE
HVAC SW South-S-1	EPA 8260D	25H1535-02	Soil	2-Butanone	QL-02
HVAC SW South-S-1	EPA 8260D	25H1535-02	Soil	4-Methyl-2-pentanone	CCVE
HVAC SW South-S-1	EPA 8260D	25H1535-02	Soil	Acetone	CCVE
HVAC SW South-S-1	EPA 8260D	25H1535-02	Soil	Acrolein	CCVE
HVAC SW South-S-1	EPA 8260D	25H1535-02	Soil	Acrylonitrile	CCVE
HVAC SW South-S-1	EPA 8260D	25H1535-02	Soil	Acrylonitrile	ICVE
HVAC SW South-S-1	EPA 8260D	25H1535-02	Soil	Dichlorodifluoromethane	CCVE
HVAC SW South-S-1	EPA 8260D	25H1535-02	Soil	Hexachlorobutadiene	QL-02
HVAC SW South-S-1	EPA 8260D	25H1535-02	Soil	n-Butylbenzene	QL-02
HVAC SW South-S-1	EPA 8260D	25H1535-02	Soil	tert-Butylbenzene	QL-02
HVAC SW South-S-1	EPA 8260D	25H1535-02	Soil	Tetrachloroethylene	QL-02
HVAC SW East-S-1	EPA 8260D	25H1535-03	Soil	Chloromethane	CCVE
HVAC SW East-S-1	EPA 8260D	25H1535-03	Soil	Dichlorodifluoromethane	ICVE
HVAC SW West-S-1	EPA 8260D	25H1535-04	Soil	Acetone	ICVE
HVAC SW West-S-1	EPA 8260D	25H1535-04	Soil	Acetone	QL-02
HVAC SW West-S-1	EPA 8260D	25H1535-04	Soil	Acetone	CCVE
HVAC SW West-S-1	EPA 8260D	25H1535-04	Soil	Chloromethane	CCVE
HVAC SW West-S-1	EPA 8260D	25H1535-04	Soil	Dichlorodifluoromethane	ICVE
HVAC Bottom 3 ft	EPA 8260D	25H1535-09	Soil	Acetone	CCVE
HVAC Bottom 3 ft	EPA 8260D	25H1535-09	Soil	Acetone	ICVE
HVAC Bottom 3 ft	EPA 8260D	25H1535-09	Soil	Acetone	QL-02
HVAC Bottom 3 ft	EPA 8260D	25H1535-09	Soil	Chloromethane	CCVE
HVAC Bottom 3 ft	EPA 8260D	25H1535-09	Soil	Dichlorodifluoromethane	ICVE
HVAC DUP	EPA 8260D	25H1535-10	Soil	Acetone	ICVE
HVAC DUP	EPA 8260D	25H1535-10	Soil	Acetone	QL-02
HVAC DUP	EPA 8260D	25H1535-10	Soil	Acetone	CCVE
HVAC DUP	EPA 8260D	25H1535-10	Soil	Chloromethane	CCVE
HVAC DUP	EPA 8260D	25H1535-10	Soil	Dichlorodifluoromethane	ICVE
Trip Blank	EPA 8260D	25H1535-11	Water	Acetone	J
Trip Blank	EPA 8260D	25H1535-11	Water	Acrolein	CCVE
Trip Blank	EPA 8260D	25H1535-11	Water	Bromomethane	CCVE
Trip Blank	EPA 8260D	25H1535-11	Water	Methyl tert-butyl ether (MTBE)	CCVE
Trip Blank	EPA 8260D	25H1535-11	Water	Methylene chloride	CCVE
Trip Blank	EPA 8260D	25H1535-11	Water	Tetrachloroethylene	QL-02
Field Blank	EPA 8260D	25H1535-12	Water	Acrolein	CCVE
Field Blank	EPA 8260D	25H1535-12	Water	Bromomethane	CCVE
Field Blank	EPA 8260D	25H1535-12	Water	Chloromethane	CCVE
Field Blank	EPA 8260D	25H1535-12	Water	Dichlorodifluoromethane	CCVE
Field Blank	EPA 8260D	25H1535-12	Water	Methylene chloride	CCVE
Field Blank	EPA 8260D	25H1535-12	Water	Vinyl Chloride	CCVE

Analytical Work Order Narrative

Qualifier Summary Report:

SampleID	Method	LabNumber	Matrix	Analyte	Qualifier
	EPA 8260D	BH51827-BLK1	Water	Naphthalene	J
	EPA 8260D	BH51827-BS1	Water	Naphthalene	B
	EPA 8260D	BH51827-BSD1	Water	Naphthalene	B
	EPA 8260D	BH51891-BLK1	Water	Naphthalene	J
	EPA 8260D	BH51891-BS1	Water	Naphthalene	B
	EPA 8260D	BH51891-BSD1	Water	Naphthalene	B
	EPA 8260D	S5H1812-SCV1	Water	Methyl acetate	ICVE
	EPA 8260D	S5H1911-SCV1	Soil	1,1-Dichloroethane	ICVE
	EPA 8260D	S5H1911-SCV1	Soil	2-Butanone	ICVE
	EPA 8260D	S5H1911-SCV1	Soil	Acrylonitrile	ICVE
	EPA 8260D	S5H1911-SCV1	Soil	Methyl acetate	ICVE
HVAC SW North 1-3	EPA 8270E	25H1535-05	Soil	2,4-Dinitrophenol	CAL-E
HVAC SW North 1-3	EPA 8270E	25H1535-05	Soil	Benzo(g,h,i)perylene	CCVE
HVAC SW North 1-3	EPA 8270E	25H1535-05	Soil	Dibenzofuran	J
	EPA 8270E	25H1535-05RE1	Soil	SURR: Nitrobenzene-d5	S-08
	EPA 8270E	25H1535-05RE1	Soil	SURR: Phenol-d6	S-08
HVAC SW South 1-3	EPA 8270E	25H1535-06	Soil	2,4-Dinitrophenol	CAL-E
HVAC SW South 1-3	EPA 8270E	25H1535-06	Soil	2-Methylnaphthalene	J
HVAC SW South 1-3	EPA 8270E	25H1535-06	Soil	Benzo(g,h,i)perylene	CCVE
HVAC SW South 1-3	EPA 8270E	25H1535-06	Soil	Naphthalene	J
HVAC SW East 1-3	EPA 8270E	25H1535-07	Soil	1,1-Biphenyl	J
HVAC SW East 1-3	EPA 8270E	25H1535-07	Soil	Acenaphthene	J
HVAC SW East 1-3	EPA 8270E	25H1535-07	Soil	Carbazole	J
HVAC SW East 1-3	EPA 8270E	25H1535-07	Soil	Dibenzofuran	J
HVAC SW East 1-3	EPA 8270E	25H1535-07	Soil	Indeno(1,2,3-cd)pyrene	CCVE
HVAC SW West 1-3	EPA 8270E	25H1535-08	Soil	1,2-Diphenylhydrazine (as Azobenzene)	CCVE
HVAC SW West 1-3	EPA 8270E	25H1535-08	Soil	2,4-Dinitrophenol	CAL-E
HVAC SW West 1-3	EPA 8270E	25H1535-08	Soil	4,6-Dinitro-2-methylphenol	CAL-E
HVAC SW West 1-3	EPA 8270E	25H1535-08	Soil	Benzo(a)pyrene	CCVE
HVAC SW West 1-3	EPA 8270E	25H1535-08	Soil	Benzo(g,h,i)perylene	CCVE
HVAC SW West 1-3	EPA 8270E	25H1535-08	Soil	Benzo(k)fluoranthene	CCVE
HVAC SW West 1-3	EPA 8270E	25H1535-08	Soil	Benzoic acid	CAL-E
HVAC SW West 1-3	EPA 8270E	25H1535-08	Soil	Bis(2-chloroethyl)ether	CCVE
HVAC SW West 1-3	EPA 8270E	25H1535-08	Soil	Dibenzo(a,h)anthracene	CCVE
HVAC SW West 1-3	EPA 8270E	25H1535-08	Soil	Dibenzofuran	J
HVAC SW West 1-3	EPA 8270E	25H1535-08	Soil	Hexachlorocyclopentadiene	CCVE
HVAC SW West 1-3	EPA 8270E	25H1535-08	Soil	Indeno(1,2,3-cd)pyrene	CCVE
HVAC SW West 1-3	EPA 8270E	25H1535-08	Soil	N-Nitrosodimethylamine	CCVE
HVAC SW West 1-3	EPA 8270E	25H1535-08	Soil	Pentachlorophenol	CCVE
HVAC SW West 1-3	EPA 8270E	25H1535-08	Soil	Pentachlorophenol	CAL-E
HVAC Bottom 3 ft	EPA 8270E	25H1535-09	Soil	1,2-Diphenylhydrazine (as Azobenzene)	CCVE
HVAC Bottom 3 ft	EPA 8270E	25H1535-09	Soil	2,4-Dinitrophenol	CAL-E
HVAC Bottom 3 ft	EPA 8270E	25H1535-09	Soil	2-Methylnaphthalene	J

Analytical Work Order Narrative

Qualifier Summary Report:

SampleID	Method	LabNumber	Matrix	Analyte	Qualifier
HVAC Bottom 3 ft	EPA 8270E	25H1535-09	Soil	4,6-Dinitro-2-methylphenol	CAL-E
HVAC Bottom 3 ft	EPA 8270E	25H1535-09	Soil	Benzo(a)pyrene	CCVE
HVAC Bottom 3 ft	EPA 8270E	25H1535-09	Soil	Benzo(g,h,i)perylene	CCVE
HVAC Bottom 3 ft	EPA 8270E	25H1535-09	Soil	Benzo(k)fluoranthene	CCVE
HVAC Bottom 3 ft	EPA 8270E	25H1535-09	Soil	Benzoic acid	CAL-E
HVAC Bottom 3 ft	EPA 8270E	25H1535-09	Soil	Bis(2-chloroethyl)ether	CCVE
HVAC Bottom 3 ft	EPA 8270E	25H1535-09	Soil	Dibenzo(a,h)anthracene	CCVE
HVAC Bottom 3 ft	EPA 8270E	25H1535-09	Soil	Fluorene	J
HVAC Bottom 3 ft	EPA 8270E	25H1535-09	Soil	Hexachlorocyclopentadiene	CCVE
HVAC Bottom 3 ft	EPA 8270E	25H1535-09	Soil	Indeno(1,2,3-cd)pyrene	CCVE
HVAC Bottom 3 ft	EPA 8270E	25H1535-09	Soil	Naphthalene	J
HVAC Bottom 3 ft	EPA 8270E	25H1535-09	Soil	N-Nitrosodimethylamine	CCVE
HVAC Bottom 3 ft	EPA 8270E	25H1535-09	Soil	Pentachlorophenol	CCVE
HVAC Bottom 3 ft	EPA 8270E	25H1535-09	Soil	Pentachlorophenol	CAL-E
HVAC DUP	EPA 8270E	25H1535-10	Soil	2,4-Dinitrophenol	CAL-E
HVAC DUP	EPA 8270E	25H1535-10	Soil	Dibenzo(a,h)anthracene	J
HVAC DUP	EPA 8270E	25H1535-10	Soil	Fluorene	J
HVAC DUP	EPA 8270E	25H1535-10	Soil	Hexachlorocyclopentadiene	CCVE
	EPA 8270E	BH51937-MS1	Soil	Aniline	J
	EPA 8270E	S5H2714-SCV1	Water	Cresols, total	ICVE
	EPA 8270E	S5H2937-SCV2	Water	Benzidine	ICVE
	EPA 8270E SIM	BH51804-BLK1	Soil	1,4-Dioxane-d8	S-HI

Analytical Work Order Narrative

Qualifier Definitions :	
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CCVH	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
HT-NFD	NFDHA was extracted outside of the 3-day holding time established by 1633A. NFDHA is not a regulated analyte, and does not have a toxicity factor or corresponding EPA Regional Screening Level. These results should not impact data usability
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
IS-01	This internal standard did not meet acceptance criteria. The sample was reanalyzed to confirm matrix interference. The associated compounds have been flagged IS-HI or IS-LO accordingly.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
P	This qualifier indicates the compound detected exhibited greater than 40% between the quantitation and confirmatory columns.
PF-CCV-L	The CCV recovery for this PFAS compound was below control limits.
PF-LCS-L	The LCS recovery for this PFAS compound was below control limits.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
S-03	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. This effect was confirmed by reanalysis.
S-08	The recovery of this surrogate was outside of QC limits.
S-HI	Surrogate recovery is above acceptance limits. No target compound is detected in sample.

Analytical Work Order Narrative

4.0 Analysis Issues

EPA 8260D

VOA, 8260 MASTER

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SH50025

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SH50025	S5H1226	S5H1226	Secondary Cal Check	S5H1226-SCV1	VOA No. 5	V5449091.D
SH50025	S5H2516	S5H2516	Calibration Check	S5H2516-CCV1	VOA No. 5	V5449471.D
SH50025	BH51799	S5H2516	LCS	BH51799-BS1	VOA No. 5	V5449472.D
SH50025	BH51799	S5H2516	LCS Dup	BH51799-BSD1	VOA No. 5	V5449473.D
SH50025	BH51799	S5H2516	Blank	BH51799-BLK1	VOA No. 5	V5449474.D
SH50025	BH51799	S5H2516	HVAC SW East-S-1	25H1535-03	VOA No. 5	V5449475.D
SH50025	BH51799	S5H2516	HVAC Bottom 3 ft	25H1535-09	VOA No. 5	V5449476.D
SH50025	BH51799	S5H2516	HVAC Bottom 3 ftMS1	BH51799-MS1	VOA No. 5	V5449477.D
SH50025	BH51799	S5H2516	HVAC Bottom 3 ftMSD1	BH51799-MSD1	VOA No. 5	V5449478.D
SH50025	BH51799	S5H2516	HVAC DUP	25H1535-10	VOA No. 5	V5449479.D
SH50025	BH51799	S5H2516	HVAC SW West-S-1	25H1535-04	VOA No. 5	V5449490.D

Initial calibration for EPA 8260D met method guidelines.

Analytical Work Order Narrative

EPA 8260D

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 8260D

All target analytes recovered within method limits with the following exceptions:

Calibration ID	Lab Number	Analyte	True Value	Result	Recovery%	Limits
SH50025	S5H1226-SCV1	Acetone	50.0	69.3	**139**	70 - 130
SH50025	S5H1226-SCV1	Dichlorodifluoromethane	50.0	30.8	**61.7**	70 - 130
SH50025	S5H1226-SCV1	Methyl acetate	50.0	80.7	**161**	70 - 130

The following QC and or client samples were affected:

LabNumber	SampleName	File ID
S5H2516-CCV1	Calibration Check	V5449471.D
BH51799-BS1	LCS	V5449472.D
BH51799-BSD1	LCS Dup	V5449473.D
BH51799-BLK1	Blank	V5449474.D
25H1535-03	HVAC SW East-S-1	V5449475.D
25H1535-09	HVAC Bottom 3 ft	V5449476.D
BH51799-MS1	Matrix Spike	V5449477.D
BH51799-MSD1	Matrix Spike Dup	V5449478.D
25H1535-10	HVAC DUP	V5449479.D
25H1535-04	HVAC SW West-S-1	V5449490.D

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SH50025	S5H2516	S5H2516-CCV1	V5449471.D	08/23/25 07:58

The continuing calibration verification exceeded method limits for the following analytes.

Calibration	LabNumber	Analyte	Units	Result	TrueVal	REC%	Limits	File ID
SH50025	S5H2516-CCV1	Acetone	ug/L	68.1	50.0	**136**	80 120	V5449471.D
SH50025	S5H2516-CCV1	Chloromethane	ug/L	39.1	50.0	**78.2**	80 120	V5449471.D

The following QC and or client samples were affected:

Calibration	Sequence	LabNumber	SampleName	Source Sample	File ID
SH50025	S5H2516	BH51799-BS1	LCS		V5449472.D
SH50025	S5H2516	BH51799-BSD1	LCS Dup		V5449473.D
SH50025	S5H2516	BH51799-BLK1	Blank		V5449474.D
SH50025	S5H2516	25H1535-03	HVAC SW East-S-1		V5449475.D
SH50025	S5H2516	25H1535-09	HVAC Bottom 3 ft		V5449476.D
SH50025	S5H2516	BH51799-MS1	Matrix Spike	HVAC Bottom 3 ft	V5449477.D
SH50025	S5H2516	BH51799-MSD1	Matrix Spike Dup	HVAC Bottom 3 ft	V5449478.D
SH50025	S5H2516	25H1535-10	HVAC DUP		V5449479.D
SH50025	S5H2516	25H1535-04	HVAC SW West-S-1		V5449490.D

Analytical Work Order Narrative

EPA 8260D

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

	Batch	Sequence	Instrument	Blank	FileID
VOA	BH51799	S5H2516	VOA No. 5	BH51799-BLK1	V5449474.D

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
SH50025	5H2516	BH51799-BS1	LCS	V5449472.D
SH50025	5H2516	BH51799-BSD1	LCS Dup	V5449473.D

Sequence	SampleName	LabNumber	Analyte	DupRec%	Rec%	RPD%	REC Limits	RPD Limit
S5H2516	LCS	BH51799-BS1	Acetone		**168**		36 - 155	
S5H2516	LCS	BH51799-BS1	Methyl acetate		**169**		41 - 143	
S5H2516	LCS Dup	BH51799-BSD1	Acetone	168	**168**	0.119	36 - 155	30
S5H2516	LCS Dup	BH51799-BSD1	Methyl acetate	169	**169**	0.296	41 - 143	30

The following samples were affected:

Batch	LabNumber	SampleName	SourceSample
BH51799	25H1535-04	HVAC SW West-S-1	
BH51799	25H1535-09	HVAC Bottom 3 ft	
BH51799	25H1535-10	HVAC DUP	
BH51799	BH51799-MS1	Matrix Spike	HVAC Bottom 3 ft
BH51799	BH51799-MSD1	Matrix Spike Dup	HVAC Bottom 3 ft

EPA 8260D

Matrix Spike, Matrix Spike Duplicate and/or Sample Duplicate-

MS/MSD/Duplicate analysis was performed on sample;

AnaClass	Cal	Batch	Sequence	SampleName	Sample	SourceSample	LabNumber
VOA	**SH50025**	BH51799	S5H2516	HVAC Bottom 3 ftMS1	25H1535-09	HVAC Bottom 3 ft	BH51799-MS1
VOA	**SH50025**	BH51799	S5H2516	HVAC Bottom 3 ftMSD1	25H1535-09	HVAC Bottom 3 ft	BH51799-MSD1

Sequence	SourceSample	LabNumber	Analyte	Units	DupRec%	Rec%	RPD	Limits	RPD Lim
S5H2516	HVAC Bottom 3 ft	BH51799-MS1	Methyl acetate	ug/L		170		10 - 149	
S5H2516	HVAC Bottom 3 ft	BH51799-MSD1	Methyl acetate	ug/L	170	169	0.638	10 - 149	64

Dilutions: No sample dilutions were required.

EPA 8260D

Internal Standards / Surrogates

Internal Standards Issues: No issues were encountered.

Surrogate Issues: No issues were encountered.

4.0 Analysis Issues

EPA 8260D

VOA, 8260 LOW MASTER

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SH50039

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SH50039	S5H1812	S5H1812	Secondary Cal Check	S5H1812-SCV1	VOA No. 10	V10C14141.D
SH50039	S5H2528	S5H2528	Calibration Check	S5H2528-CCV1	VOA No. 10	V10C14601.D
SH50039	BH51827	S5H2528	LCS	BH51827-BS1	VOA No. 10	V10C14602.D
SH50039	BH51827	S5H2528	LCS Dup	BH51827-BSD1	VOA No. 10	V10C14603.D
SH50039	BH51827	S5H2528	Blank	BH51827-BLK1	VOA No. 10	V10C14606.D
SH50039	BH51827	S5H2528	Trip Blank	25H1535-11	VOA No. 10	V10C14609.D
SH50039	S5H2613	S5H2613	Calibration Check	S5H2613-CCV1	VOA No. 10	V10C14650.D
SH50039	BH51891	S5H2613	LCS	BH51891-BS1	VOA No. 10	V10C14651.D
SH50039	BH51891	S5H2613	LCS Dup	BH51891-BSD1	VOA No. 10	V10C14652.D
SH50039	BH51891	S5H2613	Blank	BH51891-BLK1	VOA No. 10	V10C14654.D
SH50039	BH51891	S5H2613	Field Blank	25H1535-12	VOA No. 10	V10C14657.D

Initial calibration for EPA 8260D met method guidelines.

Analytical Work Order Narrative

EPA 8260D

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 8260D

All target analytes recovered within method limits with the following exceptions:

Calibration ID	Lab Number	Analyte	True Value	Result	Recovery%	Limits
SH50039	S5H1812-SCV1	Acrolein	10.0	4.77	**47.7**	70 - 130
SH50039	S5H1812-SCV1	Dichlorodifluoromethane	10.0	6.15	**61.5**	70 - 130
SH50039	S5H1812-SCV1	Methyl acetate	10.0	13.8	**138**	70 - 130

The following QC and or client samples were affected:

LabNumber	SampleName	File ID
S5H2528-CCV1	Calibration Check	V10C14601.D
BH51827-BS1	LCS	V10C14602.D
BH51827-BSD1	LCS Dup	V10C14603.D
BH51827-BLK1	Blank	V10C14606.D
25H1535-11	Trip Blank	V10C14609.D
S5H2613-CCV1	Calibration Check	V10C14650.D
BH51891-BS1	LCS	V10C14651.D
BH51891-BSD1	LCS Dup	V10C14652.D
BH51891-BLK1	Blank	V10C14654.D
25H1535-12	Field Blank	V10C14657.D

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SH50039	S5H2528	S5H2528-CCV1	V10C14601.D	08/25/25 01:55
SH50039	S5H2613	S5H2613-CCV1	V10C14650.D	08/26/25 01:24

The continuing calibration verification exceeded method limits for the following analytes.

Calibration	LabNumber	Analyte	Units	Result	TrueVal	REC%	Limits	File ID
SH50039	S5H2528-CCV1	Acrolein	ug/L	26.3	40.0	**65.8**	80 120	V10C14601.D
SH50039	S5H2528-CCV1	Bromomethane	ug/L	7.62	10.0	**76.2**	80 120	V10C14601.D
SH50039	S5H2528-CCV1	Methyl tert-butyl ether (MTBE)	ug/L	7.86	10.0	**78.6**	80 120	V10C14601.D
SH50039	S5H2528-CCV1	Methylene chloride	ug/L	7.85	10.0	**78.5**	80 120	V10C14601.D
SH50039	S5H2528-CCV1	Tetrachloroethylene	ug/L	15.4	10.0	**154**	80 120	V10C14601.D
SH50039	S5H2613-CCV1	Acrolein	ug/L	27.3	40.0	**68.2**	80 120	V10C14650.D
SH50039	S5H2613-CCV1	Bromoform	ug/L	12.2	10.0	**122**	80 120	V10C14650.D
SH50039	S5H2613-CCV1	Bromomethane	ug/L	4.03	10.0	**40.3**	80 120	V10C14650.D
SH50039	S5H2613-CCV1	Chloromethane	ug/L	5.90	10.0	**59**	80 120	V10C14650.D
SH50039	S5H2613-CCV1	Dichlorodifluoromethane	ug/L	3.82	10.0	**38.2**	80 120	V10C14650.D
SH50039	S5H2613-CCV1	Methylene chloride	ug/L	7.54	10.0	**75.4**	80 120	V10C14650.D
SH50039	S5H2613-CCV1	Tetrachloroethylene	ug/L	18.2	10.0	**182**	80 120	V10C14650.D
SH50039	S5H2613-CCV1	Vinyl Chloride	ug/L	7.38	10.0	**73.8**	80 120	V10C14650.D

The following QC and or client samples were affected:

Calibration	Sequence	LabNumber	SampleName	Source Sample	File ID
SH50039	S5H2528	BH51827-BS1	LCS		V10C14602.D
SH50039	S5H2528	BH51827-BSD1	LCS Dup		V10C14603.D
SH50039	S5H2528	BH51827-BLK1	Blank		V10C14606.D
SH50039	S5H2528	25H1535-11	Trip Blank		V10C14609.D
SH50039	S5H2613	BH51891-BS1	LCS		V10C14651.D
SH50039	S5H2613	BH51891-BSD1	LCS Dup		V10C14652.D

SH50039	S5H2613	BH51891-BLK1	Blank	V10C14654.D
SH50039	S5H2613	25H1535-12	Field Blank	V10C14657.D

EPA 8260D

Batch QC

Method Blank-

	Batch	Sequence	Instrument	Blank	FileID
VOA	BH51827	S5H2528	VOA No. 10	BH51827-BLK1	V10C14606.D
VOA	BH51891	S5H2613	VOA No. 10	BH51891-BLK1	V10C14654.D

Sequence	SampleName	LabNumber	Matrix	Analyte	Result	MRL	RptUnits
S5H2613	Blank	BH51891-BLK1	Water	Naphthalene	0.300	2.00	ug/L
S5H2528	Blank	BH51827-BLK1	Water	Naphthalene	0.250	2.00	ug/L

The following QC and or client samples had positive(s) in associated blanks:

Batch	LabNumber	SampleName	File ID
BH51827	25H1535-11	Trip Blank	V10C14609.D
BH51891	25H1535-12	Field Blank	V10C14657.D
BH51827	BH51827-BS1	LCS	V10C14602.D
BH51827	BH51827-BSD1	LCS Dup	V10C14603.D
BH51891	BH51891-BS1	LCS	V10C14651.D
BH51891	BH51891-BSD1	LCS Dup	V10C14652.D

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
SH50039	5H2528	BH51827-BS1	LCS	V10C14602.D
SH50039	5H2528	BH51827-BSD1	LCS Dup	V10C14603.D
SH50039	5H2613	BH51891-BS1	LCS	V10C14651.D
SH50039	5H2613	BH51891-BSD1	LCS Dup	V10C14652.D

Sequence	SampleName	LabNumber	Analyte	DupRec%	Rec%	RPD%	REC Limits	RPD Limit
S5H2528	LCS	BH51827-BS1	Methyl acetate		**156**		51 - 139	
S5H2528	LCS Dup	BH51827-BSD1	Methyl acetate	156	**153**	1.87	51 - 139	30
S5H2528	LCS Dup	BH51827-BSD1	Tetrachloroethylene	85.1	**80.5**	5.56	82 - 131	30
S5H2613	LCS	BH51891-BS1	Methyl acetate		**169**		51 - 139	
S5H2613	LCS Dup	BH51891-BSD1	1,2-Dibromoethane	124	**126**	2.08	83 - 124	30
S5H2613	LCS Dup	BH51891-BSD1	Methyl acetate	169	**176**	3.94	51 - 139	30

The following samples were affected:

Batch	LabNumber	SampleName	SourceSample
BH51827	25H1535-11	Trip Blank	
BH51827	BH51827-BLK1	Blank	

EPA 8260D

Dilutions: No sample dilutions were required.

Analytical Work Order Narrative

EPA 8260D

Internal Standards / Surrogates

Internal Standards Issues: No issues were encountered.
Surrogate Issues: No issues were encountered.

4.0 Analysis Issues

EPA 8260D

VOA, 8260 MASTER

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SH50043

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SH50043	S5H1911	S5H1911	Secondary Cal Check	S5H1911-SCV1	MS VOA 2	V2-637097.D
SH50043	S5H2620	S5H2620	Calibration Check	S5H2620-CCV1	MS VOA 2	V2-637377.D
SH50043	BH51909	S5H2620	LCS	BH51909-BS1	MS VOA 2	V2-637378.D
SH50043	BH51909	S5H2620	LCS Dup	BH51909-BSD1	MS VOA 2	V2-637379.D
SH50043	BH51909	S5H2620	Blank	BH51909-BLK1	MS VOA 2	V2-637380.D
SH50043	BH51909	S5H2620	HVAC SW North-S-1	25H1535-01	MS VOA 2	V2-637384.D
SH50043	BH51909	S5H2620	HVAC SW South-S-1	25H1535-02	MS VOA 2	V2-637385.D

Initial calibration for EPA 8260D exceeded method guidelines.

Calibration	Intrument	Calibration Date	File ID
SH50043	MS VOA 2	8/12/2025 6:00:41 AM	V2-637078.D

Analyte	RSD%	RSDLim	<MinRRF	RRFLim	CorrCoeff	CCOut	SIM	CAL curve
Styrene		20	**0.0256**	0.05				QR0

The following QC and or client samples were affected:

SampleName	LabNumber	SourceSample	File ID
Secondary Cal Check	S5H1911-SCV1		V2-637097.D
Calibration Check	S5H2620-CCV1		V2-637377.D
LCS	BH51909-BS1		V2-637378.D
LCS Dup	BH51909-BSD1		V2-637379.D
Blank	BH51909-BLK1		V2-637380.D
HVAC SW North-S-1	25H1535-01		V2-637384.D
HVAC SW South-S-1	25H1535-02		V2-637385.D

Analytical Work Order Narrative

EPA 8260D

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 8260D

All target analytes recovered within method limits with the following exceptions:

Calibration ID	Lab Number	Analyte	True Value	Result	Recovery%	Limits
SH50043	S5H1911-SCV1	1,1-Dichloroethane	50.0	21.6	**43.3**	70 - 130
SH50043	S5H1911-SCV1	2-Butanone	50.0	8.22	**16.4**	70 - 130
SH50043	S5H1911-SCV1	Acrylonitrile	50.0	22.4	**44.8**	70 - 130
SH50043	S5H1911-SCV1	Methyl acetate	50.0	81.6	**163**	70 - 130

The following QC and or client samples were affected:

LabNumber	SampleName	File ID
S5H2620-CCV1	Calibration Check	V2-637377.D
BH51909-BS1	LCS	V2-637378.D
BH51909-BSD1	LCS Dup	V2-637379.D
BH51909-BLK1	Blank	V2-637380.D
25H1535-01	HVAC SW North-S-1	V2-637384.D
25H1535-02	HVAC SW South-S-1	V2-637385.D

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SH50043	S5H2620	S5H2620-CCV1	V2-637377.D	08/26/25 07:32

The continuing calibration verification exceeded method limits for the following analytes.

Calibration	LabNumber	Analyte	Units	Result	TrueVal	REC%	Limits		File ID
SH50043	S5H2620-CCV1	1,1-Dichloroethane	ug/L	20.6	50.0	**41.2**	80	120	V2-637377.D
SH50043	S5H2620-CCV1	4-Methyl-2-pentanone	ug/L	39.7	50.0	**79.4**	80	120	V2-637377.D
SH50043	S5H2620-CCV1	Acetone	ug/L	61.4	50.0	**123**	80	120	V2-637377.D
SH50043	S5H2620-CCV1	Acrolein	ug/L	157	200	**78.7**	80	120	V2-637377.D
SH50043	S5H2620-CCV1	Acrylonitrile	ug/L	191	250	**76.6**	80	120	V2-637377.D
SH50043	S5H2620-CCV1	Dichlorodifluoromethane	ug/L	35.8	50.0	**71.5**	80	120	V2-637377.D

The following QC and or client samples were affected:

Calibration	Sequence	LabNumber	SampleName	Source Sample	File ID
SH50043	S5H2620	BH51909-BS1	LCS		V2-637378.D
SH50043	S5H2620	BH51909-BSD1	LCS Dup		V2-637379.D
SH50043	S5H2620	BH51909-BLK1	Blank		V2-637380.D
SH50043	S5H2620	25H1535-01	HVAC SW North-S-1		V2-637384.D
SH50043	S5H2620	25H1535-02	HVAC SW South-S-1		V2-637385.D

Analytical Work Order Narrative

EPA 8260D

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

	Batch	Sequence	Instrument	Blank	FileID
VOA	BH51909	S5H2620	MS VOA 2	BH51909-BLK1	V2-637380.D

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
SH50043	5H2620	BH51909-BS1	LCS	V2-637378.D
SH50043	5H2620	BH51909-BSD1	LCS Dup	V2-637379.D

Sequence	SampleName	LabNumber	Analyte	DupRec%	Rec%	RPD%	REC Limits	RPD Limit
S5H2620	LCS	BH51909-BS1	1,1-Dichloroethane		**40.4**		75 - 130	
S5H2620	LCS	BH51909-BS1	2-Butanone		**15**		58 - 147	
S5H2620	LCS	BH51909-BS1	Methyl acetate		**156**		41 - 143	
S5H2620	LCS	BH51909-BS1	n-Butylbenzene		**71.8**		80 - 130	
S5H2620	LCS	BH51909-BS1	Tetrachloroethylene		**77.5**		80 - 129	
S5H2620	LCS Dup	BH51909-BSD1	1,1-Dichloroethane	40.4	**56.3**	32.9	75 - 130	30
S5H2620	LCS Dup	BH51909-BSD1	2-Butanone	15.0	**0**	200	58 - 147	30
S5H2620	LCS Dup	BH51909-BSD1	Hexachlorobutadiene	90.2	**82.6**	8.79	83 - 133	30
S5H2620	LCS Dup	BH51909-BSD1	Methyl acetate	156	**148**	5	41 - 143	30
S5H2620	LCS Dup	BH51909-BSD1	n-Butylbenzene	71.8	**67.2**	6.62	80 - 130	30
S5H2620	LCS Dup	BH51909-BSD1	tert-Butylbenzene	82.4	**77.1**	6.62	80 - 127	30
S5H2620	LCS Dup	BH51909-BSD1	Tetrachloroethylene	77.5	**72.7**	6.34	80 - 129	30

The following samples were affected:

Batch	LabNumber	SampleName	SourceSample
BH51909	25H1535-01	HVAC SW North-S-1	
BH51909	25H1535-02	HVAC SW South-S-1	
BH51909	BH51909-BLK1	Blank	

EPA 8260D

Dilutions: No sample dilutions were required.

Analytical Work Order Narrative

EPA 8260D

Internal Standards / Surrogates

Internal Standards Issues:

Surrogate Issues:

Batch	Instrument	Calibration	SampleName	LabNumber	Analyte	ISArea%	ISCVRTDiff
BH51909	MS VOA 2	**SH50043**	HVAC SW North-S-1	25H1535-01	ISTD: Fluorobenzene	4	0.0070
BH51909	MS VOA 2	**SH50043**	HVAC SW North-S-1	25H1535-01	ISTD: Chlorobenzene-d5	3	0.0000
BH51909	MS VOA 2	**SH50043**	HVAC SW North-S-1	25H1535-01	ISTD: 1,2-Dichlorobenzene-d4	3	0.0060

Calibration	SampleName	LabNumber	Analyte	Rec %	Limits
SH50043	HVAC SW North-S-1	25H1535-01	SURR: 1,2-Dichloroethane-d4	**244**	77 - 125

4.0 Analysis Issues

EPA 8270E

SVOA, 8270 MASTER

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SG50013

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SG50013	S5G0933	S5G0933	Secondary Cal Check	S5G0933-SCV1	BNA#6	SV67830.D
SG50013	S5G0933	S5G0933	Secondary Cal Check	S5G0933-SCV2	BNA#6	SV67831.D
SG50013	S5H3105	S5H3105	Calibration Check	S5H3105-CCV1	BNA#6	SV68795.D
SG50013	BH51937	S5H3105	HVAC SW North 1-3	25H1535-05RE1	BNA#6	SV68798.D

Initial calibration for EPA 8270E exceeded method guidelines.

Calibration	Intrument	Calibration Date	File ID
SG50013	BNA#6	7/8/2025 12:34:20 AM	SV67819.D

Analyte	RSD%	RSDLim	<MinRRF	RRFLim	CorrCoeff	CCOut	SIM	CAL curve
2,4-Dinitrophenol	**37.81**	20						Avg
4,6-Dinitro-2-methylphenol	**29.79**	20						Avg
Caprolactam	**22.53**	20						Avg

The following QC and or client samples were affected:

SampleName	LabNumber	SourceSample	File ID
Secondary Cal Check	S5G0933-SCV1		SV67830.D
Secondary Cal Check	S5G0933-SCV2		SV67831.D
Calibration Check	S5H3105-CCV1		SV68795.D

Analytical Work Order Narrative

EPA 8270E

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 8270E

All target analytes recovered within method limits with the following exceptions:

Calibration ID	Lab Number	Analyte	True Value	Result	Recovery%	Limits
SG50013	S5G0933-SCV2	3,3-Dichlorobenzidine	30.0	49.7	**166**	70 - 130

The following QC and or client samples were affected:

LabNumber	SampleName	File ID
S5H3105-CCV1	Calibration Check	SV68795.D

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SG50013	S5H3105	S5H3105-CCV1	SV68795.D	08/29/25 21:14

The continuing calibration verification exceeded method limits for the following analytes.

Calibration	LabNumber	Analyte	Units	Result	TrueVal	REC%	Limits		File ID
SG50013	S5H3105-CCV1	1,2-Diphenylhydrazine (as Azobenzene)	ug/mL	22.3	30.0	**74.2**	80	120	SV68795.D
SG50013	S5H3105-CCV1	2,4-Dinitrophenol	ug/mL	5.40	30.0	**18**	80	120	SV68795.D
SG50013	S5H3105-CCV1	2-Methylphenol	ug/mL	22.9	30.0	**76.2**	80	120	SV68795.D
SG50013	S5H3105-CCV1	3- & 4-Methylphenols	ug/mL	20.3	30.0	**67.7**	80	120	SV68795.D
SG50013	S5H3105-CCV1	3,3-Dichlorobenzidine	ug/mL	47.1	30.0	**157**	80	120	SV68795.D
SG50013	S5H3105-CCV1	4-Chloro-3-methylphenol	ug/mL	23.1	30.0	**77.1**	80	120	SV68795.D
SG50013	S5H3105-CCV1	4-Nitroaniline	ug/mL	1.99	30.0	**6.63**	80	120	SV68795.D
SG50013	S5H3105-CCV1	4-Nitrophenol	ug/mL	0.960	30.0	**3.2**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Acetophenone	ug/mL	20.2	30.0	**67.4**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Alpha Terpineol	ug/mL	14.4	30.0	**47.8**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Aniline	ug/mL	17.1	30.0	**57**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Benzaldehyde	ug/mL	18.3	30.0	**61**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Benzidine	ug/mL	18.0	30.0	**59.8**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Benzo(k)fluoranthene	ug/mL	36.5	30.0	**122**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Benzoic acid	ug/mL	20.8	30.0	**69.4**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Benzyl alcohol	ug/mL	20.0	30.0	**66.8**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Bis(2-chloroethoxy)methane	ug/mL	18.1	30.0	**60.2**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Bis(2-chloroethyl)ether	ug/mL	19.2	30.0	**64.2**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Bis(2-chloroisopropyl)ether	ug/mL	8.50	30.0	**28.3**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Caprolactam	ug/mL	22.6	30.0	**75.2**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Di-n-octyl phthalate	ug/mL	37.9	30.0	**126**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Hexachlorocyclopentadiene	ug/mL	8.85	30.0	**29.5**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Indeno(1,2,3-cd)pyrene	ug/mL	44.5	30.0	**148**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Isophorone	ug/mL	20.4	30.0	**68.1**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Nitrobenzene	ug/mL	20.6	30.0	**68.6**	80	120	SV68795.D
SG50013	S5H3105-CCV1	N-Nitrosodimethylamine	ug/mL	15.9	30.0	**52.9**	80	120	SV68795.D
SG50013	S5H3105-CCV1	N-nitroso-di-n-propylamine	ug/mL	18.1	30.0	**60.2**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Pentachloronitrobenzene	ug/mL	40.3	30.0	**134**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Pentachlorophenol	ug/mL	19.6	30.0	**65.5**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Phenol	ug/mL	19.4	30.0	**64.8**	80	120	SV68795.D
SG50013	S5H3105-CCV1	Pyridine	ug/mL	15.1	30.0	**50.3**	80	120	SV68795.D

The following QC and or client samples were affected:

Analytical Work Order Narrative

EPA 8270E

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

EPA 8270E

Dilutions:

SpecificMethod	Batch	SampleName	LabNumber	Dilution
EPA 8270E	BH51937	HVAC SW North 1-3	25H1535-05	2
EPA 8270E	BH51937	HVAC SW North 1-3	25H1535-05RE1	5
EPA 8270E	BH51937	HVAC SW South 1-3	25H1535-06	2
EPA 8270E	BH51937	HVAC SW East 1-3	25H1535-07RE1	5
EPA 8270E	BH51937	HVAC SW West 1-3	25H1535-08	2
EPA 8270E	BH51937	HVAC Bottom 3 ft	25H1535-09	2
EPA 8270E	BH51930	HVAC DUP	25H1535-10	2

EPA 8270E

Internal Standards / Surrogates

Internal Standards Issues:

Surrogate Issues:

Batch	Instrument	Calibration	SampleName	LabNumber	Analyte	ISArea%	ISCVRTDiff
BH51937	BNA#6	**SG50013**	HVAC SW North 1-3	25H1535-05RE1	ISTD: Naphthalene-d8	46	0.0100

Calibration	SampleName	LabNumber	Analyte	Rec %	Limits
SG50013	HVAC SW North 1-3	25H1535-05RE1	SURR: Phenol-d6	**17.2**	23 - 114
SG50013	HVAC SW North 1-3	25H1535-05RE1	SURR: Nitrobenzene-d5	**19.6**	22 - 108

4.0 Analysis Issues

EPA 8270E

SVOA, 8270 MASTER

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SH50050

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SH50050	S5H2508	S5H2508	Secondary Cal Check	S5H2508-SCV1	BNA#2	E20027278.D
SH50050	S5H2508	S5H2508	Secondary Cal Check	S5H2508-SCV2	BNA#2	E20027279.D
SH50050	S5H2722	S5H2722	Calibration Check	S5H2722-CCV1	BNA#2	E20027351.D
SH50050	BH51930	S5H2722	Blank	BH51930-BLK1	BNA#2	E20027360.D
SH50050	BH51930	S5H2722	LCS	BH51930-BS1	BNA#2	E20027361.D
SH50050	S5H3002	S5H3002	Calibration Check	S5H3002-CCV1	BNA#2	E20027462.D
SH50050	BH51937	S5H3002	HVAC SW West 1-3	25H1535-08	BNA#2	E20027463.D
SH50050	BH51937	S5H3002	HVAC Bottom 3 ft	25H1535-09	BNA#2	E20027464.D
SH50050	S5I0215	S5I0215	Calibration Check	S5I0215-CCV1	BNA#2	E20027537.D
SH50050	BH51937	S5I0215	HVAC SW East 1-3	25H1535-07RE1	BNA#2	E20027545.D

Initial calibration for EPA 8270E exceeded method guidelines.

Calibration	Intrument	Calibration Date	File ID
SH50050	BNA#2	8/24/2025 12:17:19 AM	E20027269.D

Analyte	RSD%	RSDLim	<MinRRF	RRFLim	CorrCoeff	CCOut	SIM	CAL curve
2,4-Dinitrophenol	**44.79**	20						Avg
4,6-Dinitro-2-methylphenol	**23.85**	20						Avg
Benzoic acid	**27.90**	20						Avg
Parathion	**22.06**	20						Avg

The following QC and or client samples were affected:

SampleName	LabNumber	SourceSample	File ID
Secondary Cal Check	S5H2508-SCV1		E20027278.D
Secondary Cal Check	S5H2508-SCV2		E20027279.D
Calibration Check	S5H2722-CCV1		E20027351.D
Blank	BH51930-BLK1		E20027360.D
LCS	BH51930-BS1		E20027361.D
Calibration Check	S5H3002-CCV1		E20027462.D
HVAC SW West 1-3	25H1535-08		E20027463.D
HVAC Bottom 3 ft	25H1535-09		E20027464.D
Calibration Check	S5I0215-CCV1		E20027537.D

Analytical Work Order Narrative

EPA 8270E

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 8270E

All target analytes recovered within method limits with the following exceptions:

Calibration ID	Lab Number	Analyte	True Value	Result	Recovery%	Limits
SH50050	S5H2508-SCV2	Benzidine	30.0	41.1	**137**	70 - 130

The following QC and or client samples were affected:

LabNumber	SampleName	File ID
S5H2722-CCV1	Calibration Check	E20027351.D
S5H3002-CCV1	Calibration Check	E20027462.D
S5I0215-CCV1	Calibration Check	E20027537.D

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SH50050	S5H2722	S5H2722-CCV1	E20027351.D	08/27/25 08:52
SH50050	S5H3002	S5H3002-CCV1	E20027462.D	08/29/25 21:01
SH50050	S5I0215	S5I0215-CCV1	E20027537.D	09/02/25 10:04

The continuing calibration verification exceeded method limits for the following analytes.

Calibration	LabNumber	Analyte	Units	Result	TrueVal	REC%	Limits		File ID
SH50050	S5H2722-CCV1	3,3-Dichlorobenzidine	ug/mL	39.0	30.0	**130**	80	120	E20027351.D
SH50050	S5H2722-CCV1	Benzo(a)pyrene	ug/mL	21.2	30.0	**70.7**	80	120	E20027351.D
SH50050	S5H2722-CCV1	Benzo(b)fluoranthene	ug/mL	22.3	30.0	**74.3**	80	120	E20027351.D
SH50050	S5H2722-CCV1	Benzo(k)fluoranthene	ug/mL	21.1	30.0	**70.3**	80	120	E20027351.D
SH50050	S5H2722-CCV1	Benzoic acid	ug/mL	21.0	30.0	**70.1**	80	120	E20027351.D
SH50050	S5H2722-CCV1	Bis(2-chloroethyl)ether	ug/mL	23.8	30.0	**79.4**	80	120	E20027351.D
SH50050	S5H2722-CCV1	Hexachlorocyclopentadiene	ug/mL	18.9	30.0	**63**	80	120	E20027351.D
SH50050	S5H2722-CCV1	N-Nitrosodimethylamine	ug/mL	21.8	30.0	**72.7**	80	120	E20027351.D
SH50050	S5H2722-CCV1	Pyridine	ug/mL	23.1	30.0	**76.9**	80	120	E20027351.D
SH50050	S5H3002-CCV1	1,2-Diphenylhydrazine (as Azobenzene)	ug/mL	24.0	30.0	**79.9**	80	120	E20027462.D
SH50050	S5H3002-CCV1	2,4-Dinitrotoluene	ug/mL	40.0	30.0	**133**	80	120	E20027462.D
SH50050	S5H3002-CCV1	2,6-Dinitrotoluene	ug/mL	36.9	30.0	**123**	80	120	E20027462.D
SH50050	S5H3002-CCV1	3,3-Dichlorobenzidine	ug/mL	38.5	30.0	**128**	80	120	E20027462.D
SH50050	S5H3002-CCV1	Benzo(a)pyrene	ug/mL	22.1	30.0	**73.6**	80	120	E20027462.D
SH50050	S5H3002-CCV1	Benzo(g,h,i)perylene	ug/mL	21.5	30.0	**71.6**	80	120	E20027462.D
SH50050	S5H3002-CCV1	Benzo(k)fluoranthene	ug/mL	22.0	30.0	**73.4**	80	120	E20027462.D
SH50050	S5H3002-CCV1	Bis(2-chloroethyl)ether	ug/mL	23.8	30.0	**79.2**	80	120	E20027462.D
SH50050	S5H3002-CCV1	Dibenzo(a,h)anthracene	ug/mL	22.6	30.0	**75.4**	80	120	E20027462.D
SH50050	S5H3002-CCV1	Hexachlorocyclopentadiene	ug/mL	15.9	30.0	**53**	80	120	E20027462.D
SH50050	S5H3002-CCV1	Indeno(1,2,3-cd)pyrene	ug/mL	22.8	30.0	**76.1**	80	120	E20027462.D
SH50050	S5H3002-CCV1	N-Nitrosodimethylamine	ug/mL	21.9	30.0	**73**	80	120	E20027462.D
SH50050	S5H3002-CCV1	Pentachlorophenol	ug/mL	23.8	30.0	**79.3**	80	120	E20027462.D
SH50050	S5I0215-CCV1	1,2-Diphenylhydrazine (as Azobenzene)	ug/mL	22.5	30.0	**75**	80	120	E20027537.D
SH50050	S5I0215-CCV1	2,4-Dinitrotoluene	ug/mL	40.2	30.0	**134**	80	120	E20027537.D
SH50050	S5I0215-CCV1	2,6-Dinitrotoluene	ug/mL	37.5	30.0	**125**	80	120	E20027537.D
SH50050	S5I0215-CCV1	2-Methylphenol	ug/mL	17.5	30.0	**58.5**	80	120	E20027537.D
SH50050	S5I0215-CCV1	3,3-Dichlorobenzidine	ug/mL	39.2	30.0	**131**	80	120	E20027537.D
SH50050	S5I0215-CCV1	4-Nitrophenol	ug/mL	23.3	30.0	**77.6**	80	120	E20027537.D

SH50050	S5I0215-CCV1	Benzaldehyde	ug/mL	18.8	30.0	**62.5**	80	120	E20027537.D
SH50050	S5I0215-CCV1	Benzo(a)pyrene	ug/mL	21.5	30.0	**71.8**	80	120	E20027537.D
SH50050	S5I0215-CCV1	Benzo(k)fluoranthene	ug/mL	22.3	30.0	**74.3**	80	120	E20027537.D
SH50050	S5I0215-CCV1	Benzoic acid	ug/mL	16.6	30.0	**55.3**	80	120	E20027537.D
SH50050	S5I0215-CCV1	Bis(2-chloroisopropyl)ether	ug/mL	21.9	30.0	**73**	80	120	E20027537.D
SH50050	S5I0215-CCV1	Hexachlorocyclopentadiene	ug/mL	16.2	30.0	**54**	80	120	E20027537.D
SH50050	S5I0215-CCV1	N-Nitrosodimethylamine	ug/mL	20.8	30.0	**69.4**	80	120	E20027537.D

The following QC and or client samples were affected:

Calibration	Sequence	LabNumber	SampleName	Source Sample	File ID
SH50050	S5H2722	BH51930-BLK1	Blank		E20027360.D
SH50050	S5H2722	BH51930-BS1	LCS		E20027361.D
SH50050	S5H3002	25H1535-08	HVAC SW West 1-3		E20027463.D
SH50050	S5H3002	25H1535-09	HVAC Bottom 3 ft		E20027464.D

EPA 8270E

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

	Batch	Sequence	Instrument	Blank	FileID
SVOA	BH51930	S5H2722	BNA#2	BH51930-BLK1	E20027360.D

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
SH50050	5H2722	BH51930-BS1	LCS	E20027361.D

Sequence	SampleName	LabNumber	Analyte	DupRec%	Rec%	RPD%	REC Limits	RPD Limit
S5H2722	LCS	BH51930-BS1	Benzoic acid		**7.04**		10 - 140	

The following samples were affected:

Batch	LabNumber	SampleName	SourceSample
BH51930	BH51930-BLK1	Blank	

EPA 8270E

Dilutions:

SpecificMethod	Batch	SampleName	LabNumber	Dilution
EPA 8270E	BH51937	HVAC SW North 1-3	25H1535-05	2
EPA 8270E	BH51937	HVAC SW North 1-3	25H1535-05RE1	5
EPA 8270E	BH51937	HVAC SW South 1-3	25H1535-06	2
EPA 8270E	BH51937	HVAC SW East 1-3	25H1535-07RE1	5
EPA 8270E	BH51937	HVAC SW West 1-3	25H1535-08	2
EPA 8270E	BH51937	HVAC Bottom 3 ft	25H1535-09	2
EPA 8270E	BH51930	HVAC DUP	25H1535-10	2

Analytical Work Order Narrative

EPA 8270E

Internal Standards / Surrogates

Internal Standards Issues: No issues were encountered.
Surrogate Issues: No issues were encountered.

4.0 Analysis Issues

EPA 8270E

SVOA, 8270 MASTER

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SH50055

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SH50055	S5H2714	S5H2714	Secondary Cal Check	S5H2714-SCV1	BNA #4	SV4423739.D
SH50055	S5H2714	S5H2714	Secondary Cal Check	S5H2714-SCV2	BNA #4	SV4423740.D
SH50055	S5H2832	S5H2832	Calibration Check	S5H2832-CCV1	BNA #4	SV4423784a.D
SH50055	BH51930	S5H2832	HVAC DUP	25H1535-10	BNA #4	SV4423796.D
SH50055	BH51937	S5H2832	Blank	BH51937-BLK1	BNA #4	SV4423799.D
SH50055	BH51937	S5H2832	LCS	BH51937-BS1	BNA #4	SV4423800.D
SH50055	S5H2904	S5H2904	Calibration Check	S5H2904-CCV1	BNA #4	SV4423825.D
SH50055	BH51937	S5H2904	HVAC Bottom 3 ftMSD1	BH51937-MSD1	BNA #4	SV4423826.D
SH50055	BH51937	S5H2904	HVAC SW North 1-3	25H1535-05	BNA #4	SV4423833.D
SH50055	BH51937	S5H2904	HVAC SW South 1-3	25H1535-06	BNA #4	SV4423834.D
SH50055	BH51937	S5H2904	HVAC Bottom 3 ftMS1	BH51937-MS1	BNA #4	SV4423835.D

Initial calibration for EPA 8270E exceeded method guidelines.

Calibration	Intrument	Calibration Date	File ID
SH50055	BNA #4	8/26/2025 8:00:31 AM	SV4423728.D

Analyte	RSD%	RSDLim	<MinRRF	RRFLim	CorrCoeff	CCOut	SIM	CAL curve
2,4-Dinitrophenol	**95.45**	20	**0.0090**	0.05				Avg
4,6-Dinitro-2-methylphenol		20	**0.0151**	0.05				QR0
Hexachlorocyclopentadiene		20	**0.0086**	0.05				QR0

The following QC and or client samples were affected:

SampleName	LabNumber	SourceSample	File ID
Secondary Cal Check	S5H2714-SCV1		SV4423739.D
Calibration Check	S5H2832-CCV1		SV4423784a.D
HVAC DUP	25H1535-10		SV4423796.D
Blank	BH51937-BLK1		SV4423799.D
LCS	BH51937-BS1		SV4423800.D
Calibration Check	S5H2904-CCV1		SV4423825.D
Matrix Spike Dup	BH51937-MSD1	HVAC Bottom 3 ft	SV4423826.D
HVAC SW North 1-3	25H1535-05		SV4423833.D
HVAC SW South 1-3	25H1535-06		SV4423834.D
Matrix Spike	BH51937-MS1	HVAC Bottom 3 ft	SV4423835.D

Analytical Work Order Narrative

EPA 8270E

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 8270E

All target analytes recovered within method limits with the following exceptions:

Calibration ID	Lab Number	Analyte	True Value	Result	Recovery%	Limits
SH50055	S5H2714-SCV1	2,4-Dinitrophenol	30.0	43.0	**143**	70 - 130
SH50055	S5H2714-SCV1	3- & 4-Methylphenols	30.0	55.3	**184**	70 - 130
SH50055	S5H2714-SCV1	Cresols, total	60.0	0.00		70 - 130

The following QC and or client samples were affected:

LabNumber	SampleName	File ID
S5H2832-CCV1	Calibration Check	SV4423784a.D
BH51937-BS1	LCS	SV4423800.D
S5H2904-CCV1	Calibration Check	SV4423825.D
BH51937-MSD1	Matrix Spike Dup	SV4423826.D
BH51937-MS1	Matrix Spike	SV4423835.D

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SH50055	S5H2832	S5H2832-CCV1	SV4423784a.D	08/27/25 18:39
SH50055	S5H2904	S5H2904-CCV1	SV4423825.D	08/28/25 21:21

The continuing calibration verification exceeded method limits for the following analytes.

Calibration	LabNumber	Analyte	Units	Result	TrueVal	REC%	Limits		File ID
SH50055	S5H2832-CCV1	2,4-Dinitrophenol	ug/mL	90.0	30.0	**300**	80	120	SV4423784a.D
SH50055	S5H2832-CCV1	3,3-Dichlorobenzidine	ug/mL	37.3	30.0	**124**	80	120	SV4423784a.D
SH50055	S5H2832-CCV1	Benzidine	ug/mL	47.9	30.0	**160**	80	120	SV4423784a.D
SH50055	S5H2832-CCV1	Hexachlorocyclopentadiene	ug/mL	22.2	30.0	**74**	80	120	SV4423784a.D
SH50055	S5H2904-CCV1	2,4-Dinitrophenol	ug/mL	387	30.0	**1290**	80	120	SV4423825.D
SH50055	S5H2904-CCV1	3,3-Dichlorobenzidine	ug/mL	37.7	30.0	**126**	80	120	SV4423825.D
SH50055	S5H2904-CCV1	4,6-Dinitro-2-methylphenol	ug/mL	63.2	30.0	**211**	80	120	SV4423825.D
SH50055	S5H2904-CCV1	Benzidine	ug/mL	39.7	30.0	**132**	80	120	SV4423825.D
SH50055	S5H2904-CCV1	Benzo(g,h,i)perylene	ug/mL	38.3	30.0	**128**	80	120	SV4423825.D
SH50055	S5H2904-CCV1	Benzoic acid	ug/mL	37.2	30.0	**124**	80	120	SV4423825.D
SH50055	S5H2904-CCV1	Hexachlorocyclopentadiene	ug/mL	37.8	30.0	**126**	80	120	SV4423825.D

The following QC and or client samples were affected:

Calibration	Sequence	LabNumber	SampleName	Source Sample	File ID
SH50055	S5H2832	25H1535-10	HVAC DUP		SV4423796.D
SH50055	S5H2832	BH51937-BLK1	Blank		SV4423799.D
SH50055	S5H2832	BH51937-BS1	LCS		SV4423800.D
SH50055	S5H2904	BH51937-MSD1	Matrix Spike Dup	HVAC Bottom 3 ft	SV4423826.D
SH50055	S5H2904	25H1535-05	HVAC SW North 1-3		SV4423833.D
SH50055	S5H2904	25H1535-06	HVAC SW South 1-3		SV4423834.D
SH50055	S5H2904	BH51937-MS1	Matrix Spike	HVAC Bottom 3 ft	SV4423835.D

Analytical Work Order Narrative

EPA 8270E

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

	Batch	Sequence	Instrument	Blank	FileID
SVOA	BH51937	S5H2832	BNA #4	BH51937-BLK1	SV4423799.D

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
SH50055	5H2832	BH51937-BS1	LCS	SV4423800.D

Sequence	SampleName	LabNumber	Analyte	DupRec%	Rec%	RPD%	REC Limits	RPD Limit
S5H2832	LCS	BH51937-BS1	2,4-Dinitrophenol		**0**		10 - 171	

The following samples were affected:

Batch	LabNumber	SampleName	SourceSample
BH51930	25H1535-10	HVAC DUP	
BH51937	BH51937-BLK1	Blank	

Analytical Work Order Narrative

EPA 8270E

Matrix Spike, Matrix Spike Duplicate and/or Sample Duplicate-

MS/MSD/Duplicate analysis was performed on sample;

AnaClass	Cal	Batch	Sequence	SampleName	Sample	SourceSample	LabNumber
SVOA	**SH50055**	BH51937	S5H2904	HVAC Bottom 3 ftMSD1	25H1535-09	HVAC Bottom 3 ft	BH51937-MSD1
SVOA	**SH50055**	BH51937	S5H2904	HVAC Bottom 3 ftMS1	25H1535-09	HVAC Bottom 3 ft	BH51937-MS1

Sequence	SourceSample	LabNumber	Analyte	Units	DupRec%	Rec%	RPD	Limits	RPD Lim
S5H2904	HVAC Bottom 3 ft	BH51937-MSD1	4,6-Dinitro-2-methylphenol	mg/kg dry	33.4	218	147	10 - 155	30
S5H2904	HVAC Bottom 3 ft	BH51937-MSD1	Bis(2-chloroethyl)ether	mg/kg dry	59.6	120	67.3	10 - 119	30
S5H2904	HVAC Bottom 3 ft	BH51937-MS1	2,4-Dinitrophenol	mg/kg dry		0		10 - 171	

RPD Report

Sequence	SampleName	SampleNumber	LabNumber	Analyte	RPD	RPDLimit	AnalyteNotes
S5H2904	HVAC Bottom 3 ftMSD1	25H1535-09	BH51937-MSD1	1,2-Diphenylhydrazine (as Azobenzene)	30.7	30	
S5H2904	HVAC Bottom 3 ftMSD1	25H1535-09	BH51937-MSD1	2,3,4,6-Tetrachlorophenol	32.9	30	
S5H2904	HVAC Bottom 3 ftMSD1	25H1535-09	BH51937-MSD1	2,4-Dinitrotoluene	50.5	30	
S5H2904	HVAC Bottom 3 ftMSD1	25H1535-09	BH51937-MSD1	2,6-Dinitrotoluene	49.2	30	
S5H2904	HVAC Bottom 3 ftMSD1	25H1535-09	BH51937-MSD1	2-Nitrophenol	62.2	30	
S5H2904	HVAC Bottom 3 ftMSD1	25H1535-09	BH51937-MSD1	3- & 4-Methylphenols	33.1	30	
S5H2904	HVAC Bottom 3 ftMSD1	25H1535-09	BH51937-MSD1	4,6-Dinitro-2-methylphenol	147	30	
S5H2904	HVAC Bottom 3 ftMSD1	25H1535-09	BH51937-MSD1	Aniline	108	30	
S5H2904	HVAC Bottom 3 ftMSD1	25H1535-09	BH51937-MSD1	Benzaldehyde	36.5	30	
S5H2904	HVAC Bottom 3 ftMSD1	25H1535-09	BH51937-MSD1	Benzo(a)pyrene	38.4	30	
S5H2904	HVAC Bottom 3 ftMSD1	25H1535-09	BH51937-MSD1	Benzo(g,h,i)perylene	55.9	30	
S5H2904	HVAC Bottom 3 ftMSD1	25H1535-09	BH51937-MSD1	Bis(2-chloroethyl)ether	67.3	30	
S5H2904	HVAC Bottom 3 ftMSD1	25H1535-09	BH51937-MSD1	Bis(2-chloroisopropyl)ether	32.7	30	
S5H2904	HVAC Bottom 3 ftMSD1	25H1535-09	BH51937-MSD1	Dibenzo(a,h)anthracene	47.3	30	
S5H2904	HVAC Bottom 3 ftMSD1	25H1535-09	BH51937-MSD1	Hexachloroethane	51.3	30	
S5H2904	HVAC Bottom 3 ftMSD1	25H1535-09	BH51937-MSD1	Indeno(1,2,3-cd)pyrene	48.9	30	
S5H2904	HVAC Bottom 3 ftMSD1	25H1535-09	BH51937-MSD1	N-Nitrosodimethylamine	41.8	30	

Dilutions:

SpecificMethod	Batch	SampleName	LabNumber	Dilution
EPA 8270E	BH51937	HVAC SW North 1-3	25H1535-05	2
EPA 8270E	BH51937	HVAC SW North 1-3	25H1535-05RE1	5

EPA 8270E	BH51937	HVAC SW South 1-3	25H1535-06	2
EPA 8270E	BH51937	HVAC SW East 1-3	25H1535-07RE1	5
EPA 8270E	BH51937	HVAC SW West 1-3	25H1535-08	2
EPA 8270E	BH51937	HVAC Bottom 3 ft	25H1535-09	2
EPA 8270E	BH51930	HVAC DUP	25H1535-10	2

EPA 8270E

Internal Standards / Surrogates

Internal Standards Issues: No issues were encountered.

Surrogate Issues: No issues were encountered.

4.0 Analysis Issues

EPA 8270E

SVOA, 8270 MASTER

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SH50067

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SH50067	S5H2937	S5H2937	Secondary Cal Check	S5H2937-SCV1	BNA #1	BNA1-035189.D
SH50067	S5H2937	S5H2937	Secondary Cal Check	S5H2937-SCV2	BNA #1	BNA1-035190.D
SH50067	S5H3103	S5H3103	Calibration Check	S5H3103-CCV1	BNA #1	BNA1-035230.D
SH50067	BH51937	S5H3103	HVAC SW East 1-3	25H1535-07	BNA #1	BNA1-035231.D

Initial calibration for EPA 8270E exceeded method guidelines.

Calibration	Intrument	Calibration Date	File ID
SH50067	BNA #1	8/29/2025 8:00:49 AM	BNA1-035176.D

Analyte	RSD%	RSDLim	<MinRRF	RRFLim	CorrCoeff	CCOut	SIM	CAL curve
Alpha Terpineol	**12.54**							Avg

The following QC and or client samples were affected:

SampleName	LabNumber	SourceSample	File ID
Calibration Check	S5H3103-CCV1		BNA1-035230.D

EPA 8270E

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 8270E

All target analytes recovered within method limits with the following exceptions:

Calibration ID	Lab Number	Analyte	True Value	Result	Recovery%	Limits
SH50067	S5H2937-SCV2	Benzidine	30.0	49.6	**165**	70 - 130

The following QC and or client samples were affected:

LabNumber	SampleName	File ID
S5H3103-CCV1	Calibration Check	BNA1-035230.D

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SH50067	S5H3103	S5H3103-CCV1	BNA1-035230.D	08/30/25 18:00

The continuing calibration verification exceeded method limits for the following analytes.

Calibration	LabNumber	Analyte	Units	Result	TrueVal	REC%	Limits	File ID
SH50067	S5H3103-CCV1	2,4-Dinitrophenol	ug/mL	39.9	30.0	**133**	80 120	BNA1-035230.D
SH50067	S5H3103-CCV1	3,3-Dichlorobenzidine	ug/mL	38.9	30.0	**130**	80 120	BNA1-035230.D
SH50067	S5H3103-CCV1	4,6-Dinitro-2-methylphenol	ug/mL	42.2	30.0	**140**	80 120	BNA1-035230.D
SH50067	S5H3103-CCV1	Benzidine	ug/mL	51.1	30.0	**170**	80 120	BNA1-035230.D
SH50067	S5H3103-CCV1	Indeno(1,2,3-cd)pyrene	ug/mL	36.8	30.0	**123**	80 120	BNA1-035230.D

The following QC and or client samples were affected:

Calibration	Sequence	LabNumber	SampleName	Source Sample	File ID
SH50067	S5H3103	25H1535-07	HVAC SW East 1-3		BNA1-035231.D

Analytical Work Order Narrative

EPA 8270E

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

EPA 8270E

Dilutions:

SpecificMethod	Batch	SampleName	LabNumber	Dilution
EPA 8270E	BH51937	HVAC SW North 1-3	25H1535-05	2
EPA 8270E	BH51937	HVAC SW North 1-3	25H1535-05RE1	5
EPA 8270E	BH51937	HVAC SW South 1-3	25H1535-06	2
EPA 8270E	BH51937	HVAC SW East 1-3	25H1535-07RE1	5
EPA 8270E	BH51937	HVAC SW West 1-3	25H1535-08	2
EPA 8270E	BH51937	HVAC Bottom 3 ft	25H1535-09	2
EPA 8270E	BH51930	HVAC DUP	25H1535-10	2

EPA 8270E

Internal Standards / Surrogates

Internal Standards Issues:

Surrogate Issues: No issues were encountered.

Batch	Instrument	Calibration	SampleName	LabNumber	Analyte	ISArea%	ISCVRTDiff
BH51937	BNA #1	**SH50067**	HVAC SW East 1-3	25H1535-07	ISTD: 1,4-Dichlorobenzene-d4	201	0.0000

4.0 Analysis Issues

EPA 8270E SIM

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SJ50036

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SJ50036	S5H1422	S5H1422	Secondary Cal Check	S5H1422-SCV1	BNA #3	SV308235a.D
SJ50036	S5H2625	S5H2625	Calibration Check	S5H2625-CCV1	BNA #3	SV308575.D
SJ50036	BH51804	S5H2625	Blank	BH51804-BLK1	BNA #3	SV308576.D
SJ50036	BH51804	S5H2625	LCS	BH51804-BS1	BNA #3	SV308577.D
SJ50036	BH51804	S5H2625	HVAC Bottom 3 ftMS1	BH51804-MS1	BNA #3	SV308578.D
SJ50036	BH51804	S5H2625	HVAC Bottom 3 ftMSD1	BH51804-MSD1	BNA #3	SV308579.D
SJ50036	BH51804	S5H2625	HVAC SW North 1-3	25H1535-05	BNA #3	SV308585.D
SJ50036	S5H2625	S5H2625	Calibration Check	S5H2625-CCV2	BNA #3	SV308586.D
SJ50036	S5H2701	S5H2701	Calibration Check	S5H2701-CCV1	BNA #3	SV308601a.D
SJ50036	BH51804	S5H2701	HVAC SW South 1-3	25H1535-06	BNA #3	SV308602.D
SJ50036	BH51804	S5H2701	HVAC SW East 1-3	25H1535-07	BNA #3	SV308603.D
SJ50036	BH51804	S5H2701	HVAC SW West 1-3	25H1535-08	BNA #3	SV308604.D
SJ50036	BH51804	S5H2701	HVAC Bottom 3 ft	25H1535-09	BNA #3	SV308605.D
SJ50036	BH51804	S5H2701	HVAC DUP	25H1535-10	BNA #3	SV308606.D
SJ50036	S5H2701	S5H2701	Calibration Check	S5H2701-CCV2	BNA #3	SV308623a.D

Initial calibration for EPA 8270E SIM met method guidelines.

EPA 8270E SIM

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 8270E SIM

All target analytes recovered within method limits

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SJ50036	S5H2625	S5H2625-CCV1	SV308575.D	08/26/25 12:26
SJ50036	S5H2625	S5H2625-CCV2	SV308586.D	08/26/25 15:33
SJ50036	S5H2701	S5H2701-CCV1	SV308601a.D	08/26/25 20:37
SJ50036	S5H2701	S5H2701-CCV2	SV308623a.D	08/27/25 02:22

The continuing calibration verification recovered within method limits.

Analytical Work Order Narrative

EPA 8270E SIM

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

	Batch	Sequence	Instrument	Blank	FileID
SVOA_SIM	BH51804	S5H2625	BNA #3	BH51804-BLK1	SV308576.D

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
SJ50036	5H2625	BH51804-BS1	LCS	SV308577.D

EPA 8270E SIM

Matrix Spike, Matrix Spike Duplicate and/or Sample Duplicate-

MS/MSD/Duplicate analysis was performed on sample;

AnaClass	Cal	Batch	Sequence	SampleName	Sample	SourceSample	LabNumber
SVOA_SIM	**SJ50036**	BH51804	S5H2625	HVAC Bottom 3 ftMS1	25H1535-09	HVAC Bottom 3 ft	BH51804-MS1
SVOA_SIM	**SJ50036**	BH51804	S5H2625	HVAC Bottom 3 ftMSD1	25H1535-09	HVAC Bottom 3 ft	BH51804-MSD1

Dilutions: No sample dilutions were required.

EPA 8270E SIM

Internal Standards / Surrogates

Internal Standards Issues: No issues were encountered.

Surrogate Issues:

Calibration	SampleName	LabNumber	Analyte	Rec %	Limits
SJ50036	Blank	BH51804-BLK1	1,4-Dioxane-d8	**130**	39 - 127.5

4.0 Analysis Issues

EPA 1633A

Q_P_PFAS, EPA 1633a NFDHA

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SH50063

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SH50063	S5H2836	S5H2836	Calibration Blank	S5H2836-CCB2	QQQ4	QQQ421175.d
SH50063	S5H2836	S5H2836	Secondary Cal Check	S5H2836-SCV1	QQQ4	QQQ421176.d
SH50063	S5H2836	S5H2836	Performance Mix	S5H2836-PEM1	QQQ4	QQQ421178.d
SH50063	S5I0837	S5I0837	Low Cal Check	S5I0837-LCV1	QQQ4	QQQ421532.d
SH50063	S5I0837	S5I0837	Calibration Check	S5I0837-CCV1	QQQ4	QQQ421534.d
SH50063	S5I0837	S5I0837	Calibration Blank	S5I0837-CCB1	QQQ4	QQQ421536.d
SH50063	BI50372	S5I0837	LCS	BI50372-BS1	QQQ4	QQQ421541.d
SH50063	BI50372	S5I0837	Blank	BI50372-BLK1	QQQ4	QQQ421542.d
SH50063	BI50372	S5I0837	LCS	BI50372-BS2	QQQ4	QQQ421543.d
SH50063	S5I0837	S5I0837	Performance Mix	S5I0837-PEM1	QQQ4	QQQ421547.d
SH50063	S5I0837	S5I0837	Calibration Check	S5I0837-CCV2	QQQ4	QQQ421558.d
SH50063	S5I0837	S5I0837	Calibration Blank	S5I0837-CCB2	QQQ4	QQQ421559.d
SH50063	BI50372	S5I0837	HVAC SW North-S-1	25H1535-01RE1	QQQ4	QQQ421564.d
SH50063	BI50372	S5I0837	HVAC SW South-S-1	25H1535-02RE1	QQQ4	QQQ421565.d
SH50063	BI50372	S5I0837	HVAC SW East-S-1	25H1535-03RE1	QQQ4	QQQ421566.d
SH50063	BI50372	S5I0837	HVAC SW West-S-1	25H1535-04RE1	QQQ4	QQQ421567.d
SH50063	BI50372	S5I0837	HVAC SW North 1-3	25H1535-05RE1	QQQ4	QQQ421568.d
SH50063	BI50372	S5I0837	HVAC SW South 1-3	25H1535-06RE1	QQQ4	QQQ421569.d
SH50063	S5I0837	S5I0837	Calibration Check	S5I0837-CCV3	QQQ4	QQQ421570.d
SH50063	S5I0837	S5I0837	Calibration Blank	S5I0837-CCB3	QQQ4	QQQ421571.d
SH50063	BI50372	S5I0837	HVAC SW East 1-3	25H1535-07RE1	QQQ4	QQQ421572.d
SH50063	BI50372	S5I0837	HVAC SW West 1-3	25H1535-08RE1	QQQ4	QQQ421573.d
SH50063	BI50372	S5I0837	HVAC Bottom 3 ft	25H1535-09RE1	QQQ4	QQQ421574.d
SH50063	BI50372	S5I0837	HVAC Bottom 3 ftMS1	BI50372-MS1	QQQ4	QQQ421575.d
SH50063	BI50372	S5I0837	HVAC Bottom 3 ftMSD1	BI50372-MSD1	QQQ4	QQQ421576.d
SH50063	BI50372	S5I0837	HVAC DUP	25H1535-10RE1	QQQ4	QQQ421577.d
SH50063	S5I0837	S5I0837	Calibration Check	S5I0837-CCV4	QQQ4	QQQ421584.d
SH50063	S5I0837	S5I0837	Calibration Blank	S5I0837-CCB4	QQQ4	QQQ421585.d
SH50063	S5I0837	S5I0837	Calibration Check	S5I0837-CCV5	QQQ4	QQQ421593.d
SH50063	S5I0837	S5I0837	Calibration Blank	S5I0837-CCB5	QQQ4	QQQ421594.d

Initial calibration for EPA 1633A exceeded method guidelines.

Calibration	Intrument	Calibration Date	File ID
SH50063	QQQ4	8/27/2025 8:00:26 AM	QQQ421166.d

The following QC and or client samples were affected:

Analytical Work Order Narrative

EPA 1633A

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 1633A
All target analytes recovered within method limits

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SH50063	S5I0837	S5I0837-CCV1	QQQ421534.d	09/07/25 14:59
SH50063	S5I0837	S5I0837-CCV2	QQQ421558.d	09/07/25 21:06
SH50063	S5I0837	S5I0837-CCV3	QQQ421570.d	09/08/25 00:10
SH50063	S5I0837	S5I0837-CCV4	QQQ421584.d	09/08/25 03:44
SH50063	S5I0837	S5I0837-CCV5	QQQ421593.d	09/08/25 06:03

The continuing calibration verification exceeded method limits for the following analytes.

Calibration	LabNumber	Analyte	Units	Result	TrueVal	REC%	Limits		File ID
SH50063	S5I0837-CCV2	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ng/mL	6.66	5.00	**133**	70	130	QQQ421558.d

The following QC and or client samples were affected:

Calibration	Sequence	LabNumber	SampleName	Source Sample	File ID
SH50063	S5I0837	S5I0837-LCV1	Low Cal Check		QQQ421532.d
SH50063	S5I0837	S5I0837-CCB1	Calibration Blank		QQQ421536.d
SH50063	S5I0837	BI50372-BS1	LCS		QQQ421541.d
SH50063	S5I0837	BI50372-BS2	LCS		QQQ421543.d
SH50063	S5I0837	S5I0837-PEM1	Performance Mix		QQQ421547.d
SH50063	S5I0837	S5I0837-CCB2	Calibration Blank		QQQ421559.d
SH50063	S5I0837	S5I0837-CCB3	Calibration Blank		QQQ421571.d
SH50063	S5I0837	BI50372-MS1	Matrix Spike	HVAC Bottom 3 ft	QQQ421575.d
SH50063	S5I0837	BI50372-MSD1	Matrix Spike Dup	HVAC Bottom 3 ft	QQQ421576.d
SH50063	S5I0837	S5I0837-CCB4	Calibration Blank		QQQ421585.d
SH50063	S5I0837	S5I0837-CCB5	Calibration Blank		QQQ421594.d

EPA 1633A

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

	Batch	Sequence	Instrument	Blank	FileID
PFAS	BI50372	S5I0837	QQQ4	BI50372-BLK1	QQQ421542.d

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
SH50063	5I0837	BI50372-BS1	LCS	QQQ421541.d
SH50063	5I0837	BI50372-BS2	LCS	QQQ421543.d

Analytical Work Order Narrative

EPA 1633A

Matrix Spike, Matrix Spike Duplicate and/or Sample Duplicate-

MS/MSD/Duplicate analysis was performed on sample;

AnaClass	Cal	Batch	Sequence	SampleName	Sample	SourceSample	LabNumber
PFAS	**SH50063**	BI50372	S5I0837	HVAC Bottom 3 ftMS1	25H1535-09RE1	HVAC Bottom 3 ft	BI50372-MS1
PFAS	**SH50063**	BI50372	S5I0837	HVAC Bottom 3 ftMSD1	25H1535-09RE1	HVAC Bottom 3 ft	BI50372-MSD1

Dilutions: No sample dilutions were required.

EPA 1633A

Internal Standards / Surrogates

Internal Standards Issues:

Surrogate Issues: No issues were encountered.

Batch	Instrument	Calibration	SampleName	LabNumber	Analyte	ISArea%	ISCVRTDiff
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	MPFHxA	107	5.8122
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	M5PFHxA-EIS	95	5.8106

Analytical Work Order Narrative

4.0 Analysis Issues

EPA 1633A

Q_P_PFAS, EPA 1633a Target List

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SH50063

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SH50063	S5H2836	S5H2836	Calibration Blank	S5H2836-CCB2	QQQ4	QQQ421175.d
SH50063	S5H2836	S5H2836	Secondary Cal Check	S5H2836-SCV1	QQQ4	QQQ421176.d
SH50063	S5H2836	S5H2836	Performance Mix	S5H2836-PEM1	QQQ4	QQQ421178.d
SH50063	S5I0533	S5I0533	Low Cal Check	S5I0533-LCV1	QQQ4	QQQ421444.d
SH50063	S5I0533	S5I0533	Calibration Check	S5I0533-CCV1	QQQ4	QQQ421445.d
SH50063	S5I0533	S5I0533	Calibration Blank	S5I0533-CCB1	QQQ4	QQQ421448.d
SH50063	BI50241	S5I0533	Blank	BI50241-BLK1	QQQ4	QQQ421449.d
SH50063	BI50241	S5I0533	LCS	BI50241-BS1	QQQ4	QQQ421450.d
SH50063	BI50241	S5I0533	LCS	BI50241-BS2	QQQ4	QQQ421451.d
SH50063	S5I0533	S5I0533	Performance Mix	S5I0533-PEM1	QQQ4	QQQ421452.d
SH50063	BI50241	S5I0533	Field Blank	25H1535-12	QQQ4	QQQ421469.d
SH50063	S5I0533	S5I0533	Calibration Check	S5I0533-CCV2	QQQ4	QQQ421475.d
SH50063	S5I0533	S5I0533	Calibration Blank	S5I0533-CCB2	QQQ4	QQQ421476.d
SH50063	S5I0533	S5I0533	Calibration Check	S5I0533-CCV3	QQQ4	QQQ421484.d
SH50063	S5I0533	S5I0533	Calibration Blank	S5I0533-CCB3	QQQ4	QQQ421485.d
SH50063	S5I0533	S5I0533	Calibration Check	S5I0533-CCV4	QQQ4	QQQ421495.d
SH50063	S5I0533	S5I0533	Calibration Blank	S5I0533-CCB4	QQQ4	QQQ421496.d
SH50063	S5I0837	S5I0837	Low Cal Check	S5I0837-LCV1	QQQ4	QQQ421532.d
SH50063	S5I0837	S5I0837	Calibration Check	S5I0837-CCV1	QQQ4	QQQ421534.d
SH50063	S5I0837	S5I0837	Calibration Blank	S5I0837-CCB1	QQQ4	QQQ421536.d
SH50063	BI50372	S5I0837	LCS	BI50372-BS1	QQQ4	QQQ421541.d
SH50063	BI50372	S5I0837	Blank	BI50372-BLK1	QQQ4	QQQ421542.d
SH50063	BI50372	S5I0837	LCS	BI50372-BS2	QQQ4	QQQ421543.d
SH50063	S5I0837	S5I0837	Performance Mix	S5I0837-PEM1	QQQ4	QQQ421547.d
SH50063	S5I0837	S5I0837	Calibration Check	S5I0837-CCV2	QQQ4	QQQ421558.d
SH50063	S5I0837	S5I0837	Calibration Blank	S5I0837-CCB2	QQQ4	QQQ421559.d
SH50063	BI50372	S5I0837	HVAC SW North-S-1	25H1535-01RE1	QQQ4	QQQ421564.d
SH50063	BI50372	S5I0837	HVAC SW South-S-1	25H1535-02RE1	QQQ4	QQQ421565.d
SH50063	BI50372	S5I0837	HVAC SW East-S-1	25H1535-03RE1	QQQ4	QQQ421566.d
SH50063	BI50372	S5I0837	HVAC SW West-S-1	25H1535-04RE1	QQQ4	QQQ421567.d
SH50063	BI50372	S5I0837	HVAC SW North 1-3	25H1535-05RE1	QQQ4	QQQ421568.d
SH50063	BI50372	S5I0837	HVAC SW South 1-3	25H1535-06RE1	QQQ4	QQQ421569.d
SH50063	S5I0837	S5I0837	Calibration Check	S5I0837-CCV3	QQQ4	QQQ421570.d
SH50063	S5I0837	S5I0837	Calibration Blank	S5I0837-CCB3	QQQ4	QQQ421571.d
SH50063	BI50372	S5I0837	HVAC SW East 1-3	25H1535-07RE1	QQQ4	QQQ421572.d
SH50063	BI50372	S5I0837	HVAC SW West 1-3	25H1535-08RE1	QQQ4	QQQ421573.d
SH50063	BI50372	S5I0837	HVAC Bottom 3 ft	25H1535-09RE1	QQQ4	QQQ421574.d
SH50063	BI50372	S5I0837	HVAC Bottom 3 ftMS1	BI50372-MS1	QQQ4	QQQ421575.d

4.0 Analysis Issues

SH50063	BI50372	S5I0837	HVAC Bottom 3 ftMSD1	BI50372-MSD1	QQQ4	QQQ421576.d
SH50063	BI50372	S5I0837	HVAC DUP	25H1535-10RE1	QQQ4	QQQ421577.d
SH50063	S5I0837	S5I0837	Calibration Check	S5I0837-CCV4	QQQ4	QQQ421584.d
SH50063	S5I0837	S5I0837	Calibration Blank	S5I0837-CCB4	QQQ4	QQQ421585.d
SH50063	S5I0837	S5I0837	Calibration Check	S5I0837-CCV5	QQQ4	QQQ421593.d
SH50063	S5I0837	S5I0837	Calibration Blank	S5I0837-CCB5	QQQ4	QQQ421594.d

4.0 Analysis Issues

Initial calibration for ***EPA 1633A*** ***exceeded method guidelines.***

Calibration	Intrument	Calibration Date	File ID
SH50063	QQQ4	8/27/2025 8:00:26 AM	QQQ421166.d

Analyte	RSD%	RSDLim	<MinRRF	RRFLim	CorrCoeff	CCOut	SIM	CAL curve
M2-4:2 FTS	**21.04**	20						Avg
M2-6:2 FTS	**20.34**	20						Avg

The following QC and or client samples were affected:

SampleName	LabNumber	SourceSample	File ID
Calibration Blank	S5H2836-CCB2		QQQ421175.d
Secondary Cal Check	S5H2836-SCV1		QQQ421176.d
Performance Mix	S5H2836-PEM1		QQQ421178.d
Low Cal Check	S5I0533-LCV1		QQQ421444.d
Calibration Check	S5I0533-CCV1		QQQ421445.d
Calibration Blank	S5I0533-CCB1		QQQ421448.d
Blank	BI50241-BLK1		QQQ421449.d
LCS	BI50241-BS1		QQQ421450.d
LCS	BI50241-BS2		QQQ421451.d
Performance Mix	S5I0533-PEM1		QQQ421452.d
Calibration Check	S5I0533-CCV2		QQQ421475.d
Calibration Blank	S5I0533-CCB2		QQQ421476.d
Calibration Check	S5I0533-CCV3		QQQ421484.d
Calibration Blank	S5I0533-CCB3		QQQ421485.d
Calibration Check	S5I0533-CCV4		QQQ421495.d
Calibration Blank	S5I0533-CCB4		QQQ421496.d
Low Cal Check	S5I0837-LCV1		QQQ421532.d
Calibration Check	S5I0837-CCV1		QQQ421534.d
Calibration Blank	S5I0837-CCB1		QQQ421536.d
LCS	BI50372-BS1		QQQ421541.d
Blank	BI50372-BLK1		QQQ421542.d
LCS	BI50372-BS2		QQQ421543.d
Performance Mix	S5I0837-PEM1		QQQ421547.d
Calibration Check	S5I0837-CCV2		QQQ421558.d
Calibration Blank	S5I0837-CCB2		QQQ421559.d
Calibration Check	S5I0837-CCV3		QQQ421570.d
Calibration Blank	S5I0837-CCB3		QQQ421571.d
Matrix Spike	BI50372-MS1	HVAC Bottom 3 ft	QQQ421575.d
Matrix Spike Dup	BI50372-MSD1	HVAC Bottom 3 ft	QQQ421576.d
Calibration Check	S5I0837-CCV4		QQQ421584.d
Calibration Blank	S5I0837-CCB4		QQQ421585.d
Calibration Check	S5I0837-CCV5		QQQ421593.d
Calibration Blank	S5I0837-CCB5		QQQ421594.d

Analytical Work Order Narrative

EPA 1633A

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 1633A

All target analytes recovered within method limits

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SH50063	S5I0533	S5I0533-CCV1	QQQ421445.d	09/05/25 10:36
SH50063	S5I0533	S5I0533-CCV2	QQQ421475.d	09/05/25 16:49
SH50063	S5I0533	S5I0533-CCV3	QQQ421484.d	09/05/25 19:07
SH50063	S5I0533	S5I0533-CCV4	QQQ421495.d	09/05/25 21:55
SH50063	S5I0837	S5I0837-CCV1	QQQ421534.d	09/07/25 14:59
SH50063	S5I0837	S5I0837-CCV2	QQQ421558.d	09/07/25 21:06
SH50063	S5I0837	S5I0837-CCV3	QQQ421570.d	09/08/25 00:10
SH50063	S5I0837	S5I0837-CCV4	QQQ421584.d	09/08/25 03:44
SH50063	S5I0837	S5I0837-CCV5	QQQ421593.d	09/08/25 06:03

The continuing calibration verification exceeded method limits for the following analytes.

Calibration	LabNumber	Analyte	Units	Result	TrueVal	REC%	Limits		File ID
SH50063	S5I0533-CCV1	HFPO-DA (Gen-X)	ng/mL	4.91	10.0	**49.1**	70	130	QQQ421445.d
SH50063	S5I0533-CCV1	M2-6:2 FTS	ng/mL	1.49	4.76	**31.3**	70	130	QQQ421445.d
SH50063	S5I0533-CCV1	M2-8:2 FTS	ng/mL	1.85	4.80	**38.5**	70	130	QQQ421445.d
SH50063	S5I0533-CCV1	M2-4:2 FTS	ng/mL	1.59	4.69	**34**	70	130	QQQ421445.d
SH50063	S5I0533-CCV2	Perfluorotridecanoic acid (PFTrDA)	ng/mL	3.30	2.50	**132**	70	130	QQQ421475.d
SH50063	S5I0533-CCV2	HFPO-DA (Gen-X)	ng/mL	4.79	10.0	**47.9**	70	130	QQQ421475.d
SH50063	S5I0533-CCV2	M2PFTeDA	ng/mL	0.869	1.25	**69.5**	70	130	QQQ421475.d
SH50063	S5I0533-CCV2	M2-6:2 FTS	ng/mL	1.85	4.76	**38.9**	70	130	QQQ421475.d
SH50063	S5I0533-CCV2	M2-8:2 FTS	ng/mL	2.43	4.80	**50.6**	70	130	QQQ421475.d
SH50063	S5I0533-CCV2	M2-4:2 FTS	ng/mL	1.65	4.69	**35.2**	70	130	QQQ421475.d
SH50063	S5I0533-CCV3	HFPO-DA (Gen-X)	ng/mL	4.46	10.0	**44.6**	70	130	QQQ421484.d
SH50063	S5I0533-CCV3	M2-6:2 FTS	ng/mL	2.08	4.76	**43.7**	70	130	QQQ421484.d
SH50063	S5I0533-CCV3	M2-8:2 FTS	ng/mL	2.37	4.80	**49.3**	70	130	QQQ421484.d
SH50063	S5I0533-CCV3	M2-4:2 FTS	ng/mL	1.95	4.69	**41.6**	70	130	QQQ421484.d
SH50063	S5I0533-CCV4	HFPO-DA (Gen-X)	ng/mL	4.23	10.0	**42.3**	70	130	QQQ421495.d
SH50063	S5I0533-CCV4	ADONA	ng/mL	6.58	9.45	**69.6**	70	130	QQQ421495.d
SH50063	S5I0533-CCV4	M2-6:2 FTS	ng/mL	1.85	4.76	**38.9**	70	130	QQQ421495.d
SH50063	S5I0533-CCV4	M2-8:2 FTS	ng/mL	2.54	4.80	**52.9**	70	130	QQQ421495.d
SH50063	S5I0533-CCV4	M2-4:2 FTS	ng/mL	1.86	4.69	**39.7**	70	130	QQQ421495.d
SH50063	S5I0837-CCV1	HFPO-DA (Gen-X)	ng/mL	4.92	10.0	**49.2**	70	130	QQQ421534.d
SH50063	S5I0837-CCV1	d5-N-EtFOSAA	ng/mL	3.46	5.00	**69.2**	70	130	QQQ421534.d
SH50063	S5I0837-CCV1	M2-6:2 FTS	ng/mL	1.59	4.76	**33.3**	70	130	QQQ421534.d
SH50063	S5I0837-CCV1	M2-8:2 FTS	ng/mL	1.67	4.80	**34.8**	70	130	QQQ421534.d
SH50063	S5I0837-CCV1	M2-4:2 FTS	ng/mL	1.37	4.69	**29.3**	70	130	QQQ421534.d
SH50063	S5I0837-CCV2	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ng/mL	6.66	5.00	**133**	70	130	QQQ421558.d
SH50063	S5I0837-CCV2	HFPO-DA (Gen-X)	ng/mL	4.83	10.0	**48.3**	70	130	QQQ421558.d
SH50063	S5I0837-CCV2	M2-6:2 FTS	ng/mL	1.94	4.76	**40.8**	70	130	QQQ421558.d
SH50063	S5I0837-CCV2	M2-8:2 FTS	ng/mL	2.25	4.80	**46.9**	70	130	QQQ421558.d

SH50063	S5I0837-CCV2	M2-4:2 FTS	ng/mL	1.59	4.69	**33.9**	70	130	QQQ421558.d
SH50063	S5I0837-CCV3	HFPO-DA (Gen-X)	ng/mL	4.75	10.0	**47.5**	70	130	QQQ421570.d
SH50063	S5I0837-CCV3	M2-6:2 FTS	ng/mL	2.12	4.76	**44.6**	70	130	QQQ421570.d
SH50063	S5I0837-CCV3	M2-8:2 FTS	ng/mL	2.23	4.80	**46.5**	70	130	QQQ421570.d
SH50063	S5I0837-CCV3	M2-4:2 FTS	ng/mL	1.56	4.69	**33.2**	70	130	QQQ421570.d
SH50063	S5I0837-CCV4	HFPO-DA (Gen-X)	ng/mL	4.47	10.0	**44.7**	70	130	QQQ421584.d
SH50063	S5I0837-CCV4	M2-6:2 FTS	ng/mL	2.52	4.76	**52.9**	70	130	QQQ421584.d
SH50063	S5I0837-CCV4	M2-8:2 FTS	ng/mL	2.64	4.80	**54.9**	70	130	QQQ421584.d
SH50063	S5I0837-CCV4	M2-4:2 FTS	ng/mL	1.79	4.69	**38.2**	70	130	QQQ421584.d
SH50063	S5I0837-CCV5	HFPO-DA (Gen-X)	ng/mL	4.66	10.0	**46.6**	70	130	QQQ421593.d
SH50063	S5I0837-CCV5	M2-6:2 FTS	ng/mL	2.77	4.76	**58.2**	70	130	QQQ421593.d
SH50063	S5I0837-CCV5	M2-8:2 FTS	ng/mL	2.79	4.80	**58.2**	70	130	QQQ421593.d
SH50063	S5I0837-CCV5	M2-4:2 FTS	ng/mL	1.92	4.69	**40.9**	70	130	QQQ421593.d

The following QC and or client samples were affected:

Calibration	Sequence	LabNumber	SampleName	Source Sample	File ID
SH50063	S5I0533	S5I0533-LCV1	Low Cal Check		QQQ421444.d
SH50063	S5I0533	S5I0533-CCB1	Calibration Blank		QQQ421448.d
SH50063	S5I0533	BI50241-BLK1	Blank		QQQ421449.d
SH50063	S5I0533	BI50241-BS1	LCS		QQQ421450.d
SH50063	S5I0533	BI50241-BS2	LCS		QQQ421451.d
SH50063	S5I0533	S5I0533-PEM1	Performance Mix		QQQ421452.d
SH50063	S5I0533	25H1535-12	Field Blank		QQQ421469.d
SH50063	S5I0533	S5I0533-CCB2	Calibration Blank		QQQ421476.d
SH50063	S5I0533	S5I0533-CCB3	Calibration Blank		QQQ421485.d
SH50063	S5I0533	S5I0533-CCB4	Calibration Blank		QQQ421496.d
SH50063	S5I0837	S5I0837-LCV1	Low Cal Check		QQQ421532.d
SH50063	S5I0837	S5I0837-CCB1	Calibration Blank		QQQ421536.d
SH50063	S5I0837	BI50372-BS1	LCS		QQQ421541.d
SH50063	S5I0837	BI50372-BLK1	Blank		QQQ421542.d
SH50063	S5I0837	BI50372-BS2	LCS		QQQ421543.d
SH50063	S5I0837	S5I0837-PEM1	Performance Mix		QQQ421547.d
SH50063	S5I0837	S5I0837-CCB2	Calibration Blank		QQQ421559.d
SH50063	S5I0837	25H1535-01RE1	HVAC SW North-S-1		QQQ421564.d
SH50063	S5I0837	25H1535-02RE1	HVAC SW South-S-1		QQQ421565.d
SH50063	S5I0837	25H1535-03RE1	HVAC SW East-S-1		QQQ421566.d
SH50063	S5I0837	25H1535-04RE1	HVAC SW West-S-1		QQQ421567.d
SH50063	S5I0837	25H1535-05RE1	HVAC SW North 1-3		QQQ421568.d
SH50063	S5I0837	25H1535-06RE1	HVAC SW South 1-3		QQQ421569.d
SH50063	S5I0837	S5I0837-CCB3	Calibration Blank		QQQ421571.d
SH50063	S5I0837	25H1535-07RE1	HVAC SW East 1-3		QQQ421572.d
SH50063	S5I0837	25H1535-08RE1	HVAC SW West 1-3		QQQ421573.d
SH50063	S5I0837	25H1535-09RE1	HVAC Bottom 3 ft		QQQ421574.d
SH50063	S5I0837	BI50372-MS1	Matrix Spike	HVAC Bottom 3 ft	QQQ421575.d
SH50063	S5I0837	BI50372-MSD1	Matrix Spike Dup	HVAC Bottom 3 ft	QQQ421576.d
SH50063	S5I0837	25H1535-10RE1	HVAC DUP		QQQ421577.d
SH50063	S5I0837	S5I0837-CCB4	Calibration Blank		QQQ421585.d
SH50063	S5I0837	S5I0837-CCB5	Calibration Blank		QQQ421594.d

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Batch QC

Method Blank-

	Batch	Sequence	Instrument	Blank	FileID
PFAS	BI50241	S5I0533	QQQ4	BI50241-BLK1	QQQ421449.d
PFAS	BI50372	S5I0837	QQQ4	BI50372-BLK1	QQQ421542.d

Sequence	SampleName	LabNumber	Matrix	Analyte	Result	MRL	RptUnits
S5I0837	Blank	BI50372-BLK1	Soil	Taurodeoxycholic Acid (TDC	0.00		ug/kg wet
S5I0533	Blank	BI50241-BLK1	Water	Taurodeoxycholic Acid (TDC	0.00		ng/L

The following QC and or client samples had positive(s) in associated blanks:

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
SH50063	5I0533	BI50241-BS1	LCS	QQQ421450.d
SH50063	5I0533	BI50241-BS2	LCS	QQQ421451.d
SH50063	5I0837	BI50372-BS1	LCS	QQQ421541.d
SH50063	5I0837	BI50372-BS2	LCS	QQQ421543.d

Sequence	SampleName	LabNumber	Analyte	DupRec%	Rec%	RPD%	REC Limits	RPD Limit
S5I0533	LCS	BI50241-BS1	HFPO-DA (Gen-X)		**49.2**		70 - 140	
S5I0533	LCS	BI50241-BS2	N-EtFOSAA		**54.7**		70 - 145	
S5I0533	LCS	BI50241-BS2	Perfluoro-1-nonanesulfonic acid (PFNS)		**46.8**		65 - 145	
S5I0837	LCS	BI50372-BS1	HFPO-DA (Gen-X)		**48.7**		70 - 145	
S5I0837	LCS	BI50372-BS2	N-MeFOSAA		**62.3**		65 - 155	
S5I0837	LCS	BI50372-BS2	HFPO-DA (Gen-X)		**67.9**		70 - 145	
S5I0837	LCS	BI50372-BS2	Perfluoro-1-nonanesulfonic acid (PFNS)		**46.6**		55 - 140	

The following samples were affected:

Batch	LabNumber	SampleName	SourceSample
BI50372	25H1535-01RE1	HVAC SW North-S-1	
BI50372	25H1535-02RE1	HVAC SW South-S-1	
BI50372	25H1535-03RE1	HVAC SW East-S-1	
BI50372	25H1535-04RE1	HVAC SW West-S-1	
BI50372	25H1535-05RE1	HVAC SW North 1-3	
BI50372	25H1535-06RE1	HVAC SW South 1-3	
BI50372	25H1535-07RE1	HVAC SW East 1-3	
BI50372	25H1535-08RE1	HVAC SW West 1-3	
BI50372	25H1535-09RE1	HVAC Bottom 3 ft	
BI50372	25H1535-10RE1	HVAC DUP	
BI50241	25H1535-12	Field Blank	
BI50241	BI50241-BLK1	Blank	
BI50372	BI50372-BLK1	Blank	
BI50372	BI50372-MS1	Matrix Spike	HVAC Bottom 3 ft
BI50372	BI50372-MSD1	Matrix Spike Dup	HVAC Bottom 3 ft
S5I0533	S5I0533-LCV1	Low Cal Check	
S5I0533	S5I0533-PEM1	Performance Mix	

S5I0837	S5I0837-LCV1	Low Cal Check
S5I0837	S5I0837-PEM1	Performance Mix

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Matrix Spike, Matrix Spike Duplicate and/or Sample Duplicate-

MS/MSD/Duplicate analysis was performed on sample;

AnaClass	Cal	Batch	Sequence	SampleName	Sample	SourceSample	LabNumber
PFAS	**SH50063**	BI50372	S5I0837	HVAC Bottom 3 ftMS1	25H1535-09RE1	HVAC Bottom 3 ft	BI50372-MS1
PFAS	**SH50063**	BI50372	S5I0837	HVAC Bottom 3 ftMSD1	25H1535-09RE1	HVAC Bottom 3 ft	BI50372-MSD1

Sequence	SourceSample	LabNumber	Analyte	Units	DupRec%	Rec%	RPD	Limits	RPD Lim
S5I0837	HVAC Bottom 3 ft	BI50372-MS1	Perfluoroundecanoic acid (PFUnA)	ug/kg dry		69.2		70 - 155	
S5I0837	HVAC Bottom 3 ft	BI50372-MS1	HFPO-DA (Gen-X)	ug/kg dry		42.9		70 - 145	
S5I0837	HVAC Bottom 3 ft	BI50372-MSD1	HFPO-DA (Gen-X)	ug/kg dry	42.9	49.8	14.8	70 - 145	30

Dilutions: No sample dilutions were required.

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Internal Standards / Surrogates

Internal Standards Issues:

Surrogate Issues:

Batch	Instrument	Calibration	SampleName	LabNumber	Analyte	ISArea%	ISCVRTDiff
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	M3PFBA	80	3.1682
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	M3PFBA	84	3.1132
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	MPFDA	104	7.7087
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	MPFDA	117	7.7363
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	MPFHxA	106	5.8306
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	MPFHxA	107	5.8122
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	MPFHxS	98	7.0193
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	MPFHxS	110	6.9917
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	MPFNA	98	7.3483
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	MPFNA	105	7.3207
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	MPFOA	93	6.9253
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	MPFOA	99	6.8977
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	MPFOS	99	7.8764
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	MPFOS	107	7.8396
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	131	7.3479
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	128	7.3203
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	103	6.8973
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	93	6.9249
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	93	4.9287
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	84	4.9470
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	83	3.1101
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	82	3.1652
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	112	8.4602
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	105	8.4878
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	110	7.8393
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	100	7.8669

S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	92	9.2480
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	96	9.2572
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	M7PFUdA-EIS	107	8.1121
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	M7PFUdA-EIS	103	8.0844
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	M6PFDA-EIS	115	7.7360
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	M6PFDA-EIS	113	7.7084
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	M5PFHxA-EIS	90	5.8290
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	M5PFHxA-EIS	95	5.8106
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	M4PFHpA-EIS	102	6.4376
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	M4PFHpA-EIS	112	6.4182
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	M3PFHxS-EIS	113	6.9920
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	M3PFHxS-EIS	104	7.0196
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	M3PFBS-EIS	105	5.7955
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	M3PFBS-EIS	103	5.7679
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	M3-HFPO-DA-EIS	106	6.0932
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	M3-HFPO-DA-EIS	113	6.0657
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	M2PFTeDA-EIS	121	9.1492
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	M2PFTeDA-EIS	113	9.1768
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	M2-8-2FTS-EIS	42	7.5399
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	M2-8-2FTS-EIS	36	7.5122
BI50241	QQQ4	**SH50063**	LCS	BI50241-BS2	M2-8-2FTS-EIS	45	0.0000
BI50372	QQQ4	**SH50063**	LCS	BI50372-BS1	M2-8-2FTS-EIS	47	-0.0092
BI50241	QQQ4	**SH50063**	Field Blank	25H1535-12	M2-6-2FTS-EIS	46	0.0000
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	M2-6-2FTS-EIS	32	6.7293
BI50241	QQQ4	**SH50063**	LCS	BI50241-BS2	M2-6-2FTS-EIS	38	0.0000
BI50372	QQQ4	**SH50063**	LCS	BI50372-BS2	M2-6-2FTS-EIS	47	-0.0092
BI50372	QQQ4	**SH50063**	Blank	BI50372-BLK1	M2-6-2FTS-EIS	45	-0.0092
BI50372	QQQ4	**SH50063**	LCS	BI50372-BS1	M2-6-2FTS-EIS	39	-0.0092
BI50241	QQQ4	**SH50063**	Blank	BI50241-BLK1	M2-6-2FTS-EIS	41	0.0000
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	M2-6-2FTS-EIS	33	6.7017
BI50241	QQQ4	**SH50063**	LCS	BI50241-BS1	M2-6-2FTS-EIS	38	0.0000
BI50372	QQQ4	**SH50063**	HVAC SW West 1-3	25H1535-08RE1	M2-4-2FTS-EIS	42	0.0000
BI50372	QQQ4	**SH50063**	LCS	BI50372-BS1	M2-4-2FTS-EIS	35	-0.0092
BI50241	QQQ4	**SH50063**	LCS	BI50241-BS1	M2-4-2FTS-EIS	39	0.0000
BI50372	QQQ4	**SH50063**	Blank	BI50372-BLK1	M2-4-2FTS-EIS	38	-0.0091
S5I0533	QQQ4	**SH50063**	Performance Mix	S5I0533-PEM1	M2-4-2FTS-EIS	35	0.0000
BI50372	QQQ4	**SH50063**	LCS	BI50372-BS2	M2-4-2FTS-EIS	37	-0.0092
BI50372	QQQ4	**SH50063**	HVAC SW North-S-1	25H1535-01RE1	M2-4-2FTS-EIS	49	-0.0091
BI50372	QQQ4	**SH50063**	HVAC SW South-S-1	25H1535-02RE1	M2-4-2FTS-EIS	41	-0.0092
BI50372	QQQ4	**SH50063**	HVAC SW East-S-1	25H1535-03RE1	M2-4-2FTS-EIS	39	-0.0092
BI50372	QQQ4	**SH50063**	HVAC SW West-S-1	25H1535-04RE1	M2-4-2FTS-EIS	39	0.0000
BI50372	QQQ4	**SH50063**	HVAC SW North 1-3	25H1535-05RE1	M2-4-2FTS-EIS	44	-0.0092
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	M2-4-2FTS-EIS	29	5.5976
BI50372	QQQ4	**SH50063**	HVAC SW East 1-3	25H1535-07RE1	M2-4-2FTS-EIS	44	0.0000
BI50241	QQQ4	**SH50063**	Blank	BI50241-BLK1	M2-4-2FTS-EIS	40	0.0000
BI50372	QQQ4	**SH50063**	HVAC Bottom 3 ft	25H1535-09RE1	M2-4-2FTS-EIS	46	0.0000

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BI50372	QQQ4	**SH50063**	Matrix Spike	BI50372-MS1	M2-4-2FTS-EIS	41	0.0000
BI50372	QQQ4	**SH50063**	Matrix Spike Dup	BI50372-MSD1	M2-4-2FTS-EIS	40	0.0000
BI50372	QQQ4	**SH50063**	HVAC DUP	25H1535-10RE1	M2-4-2FTS-EIS	44	0.0091
BI50241	QQQ4	**SH50063**	Field Blank	25H1535-12	M2-4-2FTS-EIS	38	0.0000
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	M2-4-2FTS-EIS	31	5.5792
BI50241	QQQ4	**SH50063**	LCS	BI50241-BS2	M2-4-2FTS-EIS	36	0.0092
S5I0837	QQQ4	**SH50063**	Performance Mix	S5I0837-PEM1	M2-4-2FTS-EIS	36	-0.0092
BI50372	QQQ4	**SH50063**	HVAC SW South 1-3	25H1535-06RE1	M2-4-2FTS-EIS	43	-0.0092
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	d9-NEtFOSE-EIS	90	10.6734
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	d9-NEtFOSE-EIS	75	10.6642
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	d7-NMeFOSE-EIS	86	10.3723
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	d7-NMeFOSE-EIS	79	10.3631
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	d5-NEtFOSA-EIS	76	10.7964
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	d5-NEtFOSA-EIS	75	10.8056
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	d5-N-EtFOSAA-EIS	86	8.0740
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	d5-N-EtFOSAA-EIS	94	8.0832
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	d3-NMeFOSA-EIS	71	10.5146
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	d3-NMeFOSA-EIS	90	10.5146
S5I0533	QQQ4	**SH50063**	Low Cal Check	S5I0533-LCV1	d3-N-MeFOSAA-EIS	83	7.9082
S5I0837	QQQ4	**SH50063**	Low Cal Check	S5I0837-LCV1	d3-N-MeFOSAA-EIS	79	7.8898

Calibration	SampleName	LabNumber	Analyte	Rec %	Limits
SH50063	Blank	BI50241-BLK1	M3PFBS	**140**	40 - 135
SH50063	Blank	BI50241-BLK1	Perfluoro-n-[13C8]octanoic acid (M8PFOA)	**132**	40 - 130
SH50063	Blank	BI50241-BLK1	Perfluoro-n-[13C4]butanoic acid (MPFBA)	**133**	5 - 130
SH50063	Blank	BI50241-BLK1	M9PFNA	**160**	40 - 130
SH50063	LCS	BI50241-BS1	M3PFBS	**141**	40 - 135
SH50063	LCS	BI50241-BS1	Perfluoro-n-[13C8]octanoic acid (M8PFOA)	**138**	40 - 130
SH50063	LCS	BI50241-BS1	Perfluoro-n-[13C4]butanoic acid (MPFBA)	**133**	5 - 130
SH50063	LCS	BI50241-BS1	Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	**135**	40 - 130
SH50063	LCS	BI50241-BS1	M9PFNA	**160**	40 - 130
SH50063	LCS	BI50241-BS2	M3PFBS	**136**	40 - 135
SH50063	LCS	BI50241-BS2	M9PFNA	**159**	40 - 130
SH50063	Field Blank	25H1535-12	M3PFBS	**136**	40 - 135
SH50063	Field Blank	25H1535-12	Perfluoro-n-[13C8]octanoic acid (M8PFOA)	**139**	40 - 130
SH50063	Field Blank	25H1535-12	Perfluoro-n-[13C4]butanoic acid (MPFBA)	**132**	5 - 130
SH50063	Field Blank	25H1535-12	M9PFNA	**168**	40 - 130
SH50063	Field Blank	25H1535-12	M3HFPO-DA	**136**	40 - 130
SH50063	LCS	BI50372-BS1	M9PFNA	**142**	40 - 130
SH50063	LCS	BI50372-BS1	M2-4:2 FTS	**36.9**	40 - 165
SH50063	Blank	BI50372-BLK1	M9PFNA	**140**	40 - 130
SH50063	Blank	BI50372-BLK1	M2-4:2 FTS	**38.1**	40 - 165
SH50063	LCS	BI50372-BS2	M2-4:2 FTS	**35.9**	40 - 165

SH50063	HVAC SW South-S-1	25H1535-02RE1	M2-4:2 FTS	**38.5**	40 - 165
SH50063	HVAC SW East-S-1	25H1535-03RE1	M2-4:2 FTS	**39.2**	40 - 165
SH50063	HVAC SW East 1-3	25H1535-07RE1	M9PFNA	**136**	40 - 130
SH50063	HVAC Bottom 3 ft	25H1535-09RE1	M9PFNA	**145**	40 - 130
SH50063	HVAC DUP	25H1535-10RE1	M9PFNA	**133**	40 - 130
SH50063	Calibration Check	S5I0533-CCV1	M2-6:2 FTS	**31.3**	70 - 130
SH50063	Calibration Check	S5I0533-CCV1	M2-8:2 FTS	**38.5**	70 - 130
SH50063	Calibration Check	S5I0533-CCV1	M2-4:2 FTS	**34**	70 - 130
SH50063	Calibration Blank	S5I0533-CCB1	M2-6:2 FTS	**33.1**	40 - 215
SH50063	Calibration Blank	S5I0533-CCB1	M2-4:2 FTS	**33**	40 - 165
SH50063	Calibration Check	S5I0533-CCV2	M2PFTeDA	**69.5**	70 - 130
SH50063	Calibration Check	S5I0533-CCV2	M2-6:2 FTS	**38.9**	70 - 130
SH50063	Calibration Check	S5I0533-CCV2	M2-8:2 FTS	**50.6**	70 - 130
SH50063	Calibration Check	S5I0533-CCV2	M2-4:2 FTS	**35.2**	70 - 130
SH50063	Calibration Blank	S5I0533-CCB2	M2-6:2 FTS	**37.8**	40 - 215
SH50063	Calibration Blank	S5I0533-CCB2	M2-4:2 FTS	**36**	40 - 165
SH50063	Calibration Check	S5I0533-CCV3	M2-6:2 FTS	**43.7**	70 - 130
SH50063	Calibration Check	S5I0533-CCV3	M2-8:2 FTS	**49.3**	70 - 130
SH50063	Calibration Check	S5I0533-CCV3	M2-4:2 FTS	**41.6**	70 - 130
SH50063	Calibration Check	S5I0533-CCV4	M2-6:2 FTS	**38.9**	70 - 130
SH50063	Calibration Check	S5I0533-CCV4	M2-8:2 FTS	**52.9**	70 - 130
SH50063	Calibration Check	S5I0533-CCV4	M2-4:2 FTS	**39.7**	70 - 130
SH50063	Calibration Check	S5I0837-CCV1	d5-N-EtFOSAA	**69.2**	70 - 130
SH50063	Calibration Check	S5I0837-CCV1	M2-6:2 FTS	**33.3**	70 - 130
SH50063	Calibration Check	S5I0837-CCV1	M2-8:2 FTS	**34.8**	70 - 130
SH50063	Calibration Check	S5I0837-CCV1	M2-4:2 FTS	**29.3**	70 - 130
SH50063	Calibration Blank	S5I0837-CCB1	M2-6:2 FTS	**34.7**	40 - 215
SH50063	Calibration Blank	S5I0837-CCB1	M2-8:2 FTS	**38**	40 - 275
SH50063	Calibration Blank	S5I0837-CCB1	M2-4:2 FTS	**33.5**	40 - 165
SH50063	Calibration Check	S5I0837-CCV2	M2-6:2 FTS	**40.8**	70 - 130
SH50063	Calibration Check	S5I0837-CCV2	M2-8:2 FTS	**46.9**	70 - 130
SH50063	Calibration Check	S5I0837-CCV2	M2-4:2 FTS	**33.9**	70 - 130
SH50063	Calibration Blank	S5I0837-CCB2	M2-4:2 FTS	**34.8**	40 - 165
SH50063	Calibration Check	S5I0837-CCV3	M2-6:2 FTS	**44.6**	70 - 130
SH50063	Calibration Check	S5I0837-CCV3	M2-8:2 FTS	**46.5**	70 - 130
SH50063	Calibration Check	S5I0837-CCV3	M2-4:2 FTS	**33.2**	70 - 130
SH50063	Calibration Blank	S5I0837-CCB3	M2-4:2 FTS	**36.7**	40 - 165
SH50063	Calibration Check	S5I0837-CCV4	M2-6:2 FTS	**52.9**	70 - 130
SH50063	Calibration Check	S5I0837-CCV4	M2-8:2 FTS	**54.9**	70 - 130
SH50063	Calibration Check	S5I0837-CCV4	M2-4:2 FTS	**38.2**	70 - 130
SH50063	Calibration Blank	S5I0837-CCB4	M2-4:2 FTS	**37.3**	40 - 165
SH50063	Calibration Check	S5I0837-CCV5	M2-6:2 FTS	**58.2**	70 - 130
SH50063	Calibration Check	S5I0837-CCV5	M2-8:2 FTS	**58.2**	70 - 130
SH50063	Calibration Check	S5I0837-CCV5	M2-4:2 FTS	**40.9**	70 - 130

4.0 Analysis Issues

EPA 8081B

PEST, 8081 MASTER

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SF50002

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SF50002	S5B0502	S5B0502	Performance Mix	S5B0502-PEM1	PEST7	P7035859.D
SF50002	S5H2541	S5H2541	Performance Mix	S5H2541-PEM1	PEST7	P7043740.D
SF50002	S5H2541	S5H2541	Calibration Check	S5H2541-CCV1	PEST7	P7043742.D
SF50002	S5H2541	S5H2541	Calibration Check	S5H2541-CCV2	PEST7	P7043743.D
SF50002	S5H2541	S5H2541	Calibration Check	S5H2541-CCV3	PEST7	P7043744.D
SF50002	BH51816	S5H2541	Blank	BH51816-BLK1	PEST7	P7043745.D
SF50002	BH51816	S5H2541	LCS	BH51816-BS1	PEST7	P7043746.D
SF50002	BH51816	S5H2541	HVAC SW North 1-3	25H1535-05	PEST7	P7043759.D
SF50002	BH51816	S5H2541	HVAC SW South 1-3	25H1535-06	PEST7	P7043760.D
SF50002	BH51816	S5H2541	HVAC SW East 1-3	25H1535-07	PEST7	P7043761.D
SF50002	S5H2541	S5H2541	Calibration Check	S5H2541-CCV4	PEST7	P7043766.D
SF50002	BH51816	S5H2541	HVAC SW West 1-3	25H1535-08	PEST7	P7043767.D
SF50002	BH51816	S5H2541	HVAC Bottom 3 ft	25H1535-09	PEST7	P7043768.D
SF50002	BH51816	S5H2541	HVAC DUP	25H1535-10	PEST7	P7043769.D
SF50002	BH51816	S5H2541	HVAC Bottom 3 ftMS1	BH51816-MS1	PEST7	P7043771.D
SF50002	BH51816	S5H2541	HVAC Bottom 3 ftMSD1	BH51816-MSD1	PEST7	P7043772.D
SF50002	S5H2541	S5H2541	Calibration Check	S5H2541-CCV5	PEST7	P7043777.D
SF50002	S5H2541	S5H2541	Performance Mix	S5H2541-PEM2	PEST7	P7043779.D
SF50002	S5H2541	S5H2541	Performance Mix	S5H2541-PEM3	PEST7	P7043810.D
SF50002	S5H2541	S5H2541	Calibration Check	S5H2541-CCV6	PEST7	P7043811.D

Initial calibration for EPA 8081B met method guidelines.

Analytical Work Order Narrative

EPA 8081B

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 8081B

All target analytes recovered within method limits

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SF50002	S5H2541	S5H2541-CCV1	P7043742.D	08/25/25 08:50
SF50002	S5H2541	S5H2541-CCV2	P7043743.D	08/25/25 09:07
SF50002	S5H2541	S5H2541-CCV3	P7043744.D	08/25/25 09:24
SF50002	S5H2541	S5H2541-CCV4	P7043766.D	08/25/25 16:31
SF50002	S5H2541	S5H2541-CCV5	P7043777.D	08/25/25 20:41
SF50002	S5H2541	S5H2541-CCV6	P7043811.D	08/26/25 08:10

The continuing calibration verification exceeded method limits for the following analytes.

Calibration	LabNumber	Analyte	Units	Result	TrueVal	REC%	Limits		File ID
SF50002	S5H2541-CCV2	Chlordane, total	ng/mL	1400	1000	**140**	80	120	P7043743.D
SF50002	S5H2541-CCV5	Decachlorobiphenyl	ng/mL	103	160	**64.6**	80	120	P7043777.D
SF50002	S5H2541-CCV5	Decachlorobiphenyl [2C]	ng/mL	105	160	**65.6**	80	120	P7043777.D

The following QC and or client samples were affected:

Calibration	Sequence	LabNumber	SampleName	Source Sample	File ID
SF50002	S5H2541	BH51816-BLK1	Blank		P7043745.D
SF50002	S5H2541	BH51816-BS1	LCS		P7043746.D
SF50002	S5H2541	BH51816-MS1	Matrix Spike	HVAC Bottom 3 ft	P7043771.D
SF50002	S5H2541	BH51816-MSD1	Matrix Spike Dup	HVAC Bottom 3 ft	P7043772.D

EPA 8081B

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

	Batch	Sequence	Instrument	Blank	FileID
PEST	BH51816	S5H2541	PEST7	BH51816-BLK1	P7043745.D

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
SF50002	5H2541	BH51816-BS1	LCS	P7043746.D

Analytical Work Order Narrative

EPA 8081B

Matrix Spike, Matrix Spike Duplicate and/or Sample Duplicate-

MS/MSD/Duplicate analysis was performed on sample;

AnaClass	Cal	Batch	Sequence	SampleName	Sample	SourceSample	LabNumber
PEST	**SF50002**	BH51816	S5H2541	HVAC Bottom 3 ftMS1	25H1535-09	HVAC Bottom 3 ft	BH51816-MS1
PEST	**SF50002**	BH51816	S5H2541	HVAC Bottom 3 ftMSD1	25H1535-09	HVAC Bottom 3 ft	BH51816-MSD1

Dilutions:

	SpecificMethod	Batch	SampleName	LabNumber	Dilution
	EPA 8081B	BH51816	HVAC SW North 1-3	25H1535-05	5
	EPA 8081B	BH51816	HVAC SW South 1-3	25H1535-06	5
	EPA 8081B	BH51816	HVAC SW East 1-3	25H1535-07	5
	EPA 8081B	BH51816	HVAC SW West 1-3	25H1535-08	5
	EPA 8081B	BH51816	HVAC Bottom 3 ft	25H1535-09	5
	EPA 8081B	BH51816	HVAC DUP	25H1535-10	5

EPA 8081B

Internal Standards / Surrogates

Surrogate Issues:

Calibration	SampleName	LabNumber	Analyte	Rec %	Limits
SF50002	Calibration Check	S5H2541-CCV5	Decachlorobiphenyl	**64.6**	80 - 120
SF50002	Calibration Check	S5H2541-CCV5	Decachlorobiphenyl [2C]	**65.6**	80 - 120

4.0 Analysis Issues

EPA 8082A

PCB, 8082 MASTER

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : SH50018

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
SH50018	S5H0830	S5H0830	Secondary Cal Check	S5H0830-SCV1	GCECD6	P600434625.D
SH50018	S5H2537	S5H2537	Calibration Check	S5H2537-CCV1	GCECD6	P600435978.D
SH50018	S5H2537	S5H2537	Aroclor Reference	S5H2537-ARC1	GCECD6	P600435979.D
SH50018	BH51815	S5H2537	Blank	BH51815-BLK2	GCECD6	P600435980.D
SH50018	BH51815	S5H2537	LCS	BH51815-BS2	GCECD6	P600435981.D
SH50018	BH51815	S5H2537	HVAC Bottom 3 ftMS2	BH51815-MS2	GCECD6	P600435982.D
SH50018	BH51815	S5H2537	HVAC Bottom 3 ftMSD2	BH51815-MSD2	GCECD6	P600435983.D
SH50018	S5H2537	S5H2537	Calibration Check	S5H2537-CCV2	GCECD6	P600435990.D
SH50018	BH51815	S5H2537	HVAC SW North 1-3	25H1535-05	GCECD6	P600436002.D
SH50018	BH51815	S5H2537	HVAC SW South 1-3	25H1535-06	GCECD6	P600436003.D
SH50018	BH51815	S5H2537	HVAC SW East 1-3	25H1535-07	GCECD6	P600436004.D
SH50018	BH51815	S5H2537	HVAC SW West 1-3	25H1535-08	GCECD6	P600436005.D
SH50018	BH51815	S5H2537	HVAC Bottom 3 ft	25H1535-09	GCECD6	P600436006.D
SH50018	BH51815	S5H2537	HVAC DUP	25H1535-10	GCECD6	P600436007.D
SH50018	S5H2537	S5H2537	Calibration Check	S5H2537-CCV3	GCECD6	P600436012.D
SH50018	S5H2537	S5H2537	Calibration Check	S5H2537-CCV4	GCECD6	P600436034.D
SH50018	S5H2537	S5H2537	Calibration Check	S5H2537-CCV5	GCECD6	P600436044.D
SH50018	S5H2537	S5H2537	Calibration Check	S5H2537-CCV6	GCECD6	P600436064.D

Analytical Work Order Narrative

4.0 Analysis Issues

Initial calibration for ***EPA 8082A*** ***exceeded method guidelines.***

Calibration	Intrument	Calibration Date	File ID
SH50018	GCECD6	8/8/2025 5:08:08 PM	P600434616.D

Analyte	RSD%	RSDLim	<MinRRF	RRFLim	CorrCoeff	CCOut	SIM	CAL curve
Aroclor 1221	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1221 (1)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1221 (1) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1221 (2)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1221 (2) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1221 (3)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1221 (3) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1221 [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 (1)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 (1) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 (2)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 (2) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 (3)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 (3) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 (4)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 (4) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 (5)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 (5) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1232 [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 (1)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 (1) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 (2)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 (2) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 (3)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 (3) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 (4)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 (4) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 (5)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 (5) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1242 [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248 (1)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248 (1) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248 (2)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248 (2) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248 (3)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248 (3) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248 (4)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248 (4) [2C]	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248 (5)	**0.00**	20	**0.0000**	0.05				Avg
Aroclor 1248 (5) [2C]	**0.00**	20	**0.0000**	0.05				Avg

4.0 Analysis Issues

Aroclor 1248 [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 (1)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 (1) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 (2)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 (2) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 (3)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 (3) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 (4)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 (4) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 (5)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 (5) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1254 [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 (1)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 (1) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 (2)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 (2) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 (3)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 (3) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 (4)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 (4) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 (5)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 (5) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1262 [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 (1)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 (1) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 (2)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 (2) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 (3)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 (3) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 (4)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 (4) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 (5)	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 (5) [2C]	**0.00**	20	**0.0000**	0.05	Avg
Aroclor 1268 [2C]	**0.00**	20	**0.0000**	0.05	Avg

The following QC and or client samples were affected:

SampleName	LabNumber	SourceSample	File ID
Aroclor Reference	S5H2537-ARC1		P600435979.D
Blank	BH51815-BLK2		P600435980.D
HVAC SW North 1-3	25H1535-05		P600436002.D
HVAC SW South 1-3	25H1535-06		P600436003.D
HVAC SW East 1-3	25H1535-07		P600436004.D
HVAC SW West 1-3	25H1535-08		P600436005.D
HVAC Bottom 3 ft	25H1535-09		P600436006.D
HVAC DUP	25H1535-10		P600436007.D

Analytical Work Order Narrative

EPA 8082A

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 8082A

All target analytes recovered within method limits

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
SH50018	S5H2537	S5H2537-CCV1	P600435978.D	08/25/25 11:25
SH50018	S5H2537	S5H2537-CCV2	P600435990.D	08/25/25 16:41
SH50018	S5H2537	S5H2537-CCV3	P600436012.D	08/25/25 21:46
SH50018	S5H2537	S5H2537-CCV4	P600436034.D	08/26/25 02:45
SH50018	S5H2537	S5H2537-CCV5	P600436044.D	08/26/25 05:01
SH50018	S5H2537	S5H2537-CCV6	P600436064.D	08/26/25 14:55

The continuing calibration verification exceeded method limits for the following analytes.

Calibration	LabNumber	Analyte	Units	Result	TrueVal	REC%	Limits		File ID
SH50018	S5H2537-CCV1	Aroclor 1016	ug/mL	1.27	1.00	**127**	80	120	P600435978.D
SH50018	S5H2537-CCV1	Aroclor 1016 (1)	ug/mL	1.30	1.00	**130**	80	120	P600435978.D
SH50018	S5H2537-CCV1	Aroclor 1016 (3)	ug/mL	1.27	1.00	**127**	80	120	P600435978.D
SH50018	S5H2537-CCV1	Aroclor 1016 (4)	ug/mL	1.29	1.00	**129**	80	120	P600435978.D
SH50018	S5H2537-CCV1	Aroclor 1016 (5)	ug/mL	1.30	1.00	**130**	80	120	P600435978.D
SH50018	S5H2537-CCV1	Aroclor 1260	ug/mL	1.26	1.00	**126**	80	120	P600435978.D
SH50018	S5H2537-CCV1	Aroclor 1260 (1)	ug/mL	1.31	1.00	**131**	80	120	P600435978.D
SH50018	S5H2537-CCV1	Aroclor 1260 (3)	ug/mL	1.28	1.00	**128**	80	120	P600435978.D
SH50018	S5H2537-CCV1	Aroclor 1260 (4)	ug/mL	1.32	1.00	**132**	80	120	P600435978.D
SH50018	S5H2537-CCV1	Aroclor 1260 (5)	ug/mL	1.22	1.00	**122**	80	120	P600435978.D
SH50018	S5H2537-CCV2	Aroclor 1016	ug/mL	1.31	1.00	**131**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1016 (1)	ug/mL	1.33	1.00	**133**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1016 (2)	ug/mL	1.24	1.00	**124**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1016 (3)	ug/mL	1.32	1.00	**132**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1016 (4)	ug/mL	1.33	1.00	**133**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1016 (5)	ug/mL	1.33	1.00	**133**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1260	ug/mL	1.28	1.00	**128**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1260 (1)	ug/mL	1.34	1.00	**134**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1260 (2)	ug/mL	1.22	1.00	**122**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1260 (3)	ug/mL	1.30	1.00	**130**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1260 (4)	ug/mL	1.34	1.00	**134**	80	120	P600435990.D
SH50018	S5H2537-CCV2	Aroclor 1260 (5)	ug/mL	1.22	1.00	**122**	80	120	P600435990.D
SH50018	S5H2537-CCV3	Aroclor 1016	ug/mL	1.27	1.00	**127**	80	120	P600436012.D
SH50018	S5H2537-CCV3	Aroclor 1016 (1)	ug/mL	1.28	1.00	**128**	80	120	P600436012.D
SH50018	S5H2537-CCV3	Aroclor 1016 (2)	ug/mL	1.24	1.00	**124**	80	120	P600436012.D
SH50018	S5H2537-CCV3	Aroclor 1016 (3)	ug/mL	1.27	1.00	**127**	80	120	P600436012.D
SH50018	S5H2537-CCV3	Aroclor 1016 (4)	ug/mL	1.27	1.00	**127**	80	120	P600436012.D
SH50018	S5H2537-CCV3	Aroclor 1016 (5)	ug/mL	1.28	1.00	**128**	80	120	P600436012.D
SH50018	S5H2537-CCV3	Aroclor 1260	ug/mL	1.21	1.00	**121**	80	120	P600436012.D
SH50018	S5H2537-CCV3	Aroclor 1260 (1)	ug/mL	1.26	1.00	**126**	80	120	P600436012.D
SH50018	S5H2537-CCV3	Aroclor 1260 (3)	ug/mL	1.34	1.00	**134**	80	120	P600436012.D
SH50018	S5H2537-CCV6	Aroclor 1016	ug/mL	1.23	1.00	**123**	80	120	P600436064.D
SH50018	S5H2537-CCV6	Aroclor 1016 (1)	ug/mL	1.24	1.00	**124**	80	120	P600436064.D

SH50018	S5H2537-CCV6	Aroclor 1016 (2)	ug/mL	1.29	1.00	**129**	80	120	P600436064.D
SH50018	S5H2537-CCV6	Aroclor 1016 (4)	ug/mL	1.22	1.00	**122**	80	120	P600436064.D
SH50018	S5H2537-CCV6	Aroclor 1016 (5)	ug/mL	1.23	1.00	**123**	80	120	P600436064.D
SH50018	S5H2537-CCV6	Aroclor 1016 (1) [2C]	ug/mL	1.31	1.00	**131**	80	120	P600436064.D
SH50018	S5H2537-CCV6	Aroclor 1260 (3)	ug/mL	1.31	1.00	**131**	80	120	P600436064.D

The following QC and or client samples were affected:

Calibration	Sequence	LabNumber	SampleName	Source Sample	File ID
SH50018	S5H2537	BH51815-BLK2	Blank		P600435980.D
SH50018	S5H2537	BH51815-BS2	LCS		P600435981.D
SH50018	S5H2537	BH51815-MS2	Matrix Spike	HVAC Bottom 3 ft	P600435982.D
SH50018	S5H2537	BH51815-MSD2	Matrix Spike Dup	HVAC Bottom 3 ft	P600435983.D

Analytical Work Order Narrative

EPA 8082A

Batch QC

Method Blank-

	Batch	Sequence	Instrument	Blank	FileID
ARO	BH51815	S5H2537	GCECD6	BH51815-BLK2	P600435980.D

Sequence	SampleName	LabNumber	Matrix	Analyte	Result	MRL	RptUnits
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1016 (1)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1016 (2)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1016 (3)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1016 (4)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1016 (5)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1016 (1) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1016 (2) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1016 (3) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1016 (4) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1016 (5) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1221 (1)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1221 (2)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1221 (3)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1221 (1) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1221 (2) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1221 (3) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1232 (1)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1232 (2)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1232 (3)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1232 (4)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1232 (5)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1232 (1) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1232 (2) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1232 (3) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1232 (4) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1232 (5) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1242 (1)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1242 (2)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1242 (3)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1242 (4)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1242 (5)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1242 (1) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1242 (2) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1242 (3) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1242 (4) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1242 (5) [2C]	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1248 (1)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1248 (2)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1248 (3)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1248 (4)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1248 (5)	0.00		mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1248 (1) [2C]	0.00		mg/kg wet

S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1248 (2) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1248 (3) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1248 (4) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1248 (5) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1254 (1)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1254 (2)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1254 (3)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1254 (4)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1254 (5)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1254 (1) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1254 (2) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1254 (3) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1254 (4) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1254 (5) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1260 (1)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1260 (2)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1260 (3)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1260 (4)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1260 (5)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1260 (1) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1260 (2) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1260 (3) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1260 (4) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1260 (5) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1262 (1)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1262 (2)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1262 (3)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1262 (4)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1262 (5)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1262 (1) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1262 (2) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1262 (3) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1262 (4) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1262 (5) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1268 (1)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1268 (2)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1268 (3)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1268 (4)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1268 (5)	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1268 (1) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1268 (2) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1268 (3) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1268 (4) [2C]	0.00	mg/kg wet
S5H2537	Blank	BH51815-BLK2	Soil	Aroclor 1268 (5) [2C]	0.00	mg/kg wet

The following QC and or client samples had positive(s) in associated blanks:

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID

EPA 8082A

Matrix Spike, Matrix Spike Duplicate and/or Sample Duplicate-

MS/MSD/Duplicate analysis was performed on sample;

AnaClass	Cal	Batch	Sequence	SampleName	Sample	SourceSample	LabNumber
ARO	**SH50018**	BH51815	S5H2537	HVAC Bottom 3 ftMS2	25H1535-09	HVAC Bottom 3 ft	BH51815-MS2
ARO	**SH50018**	BH51815	S5H2537	HVAC Bottom 3 ftMSD2	25H1535-09	HVAC Bottom 3 ft	BH51815-MSD2

Dilutions: No sample dilutions were required.

EPA 8082A

Internal Standards / Surrogates

Surrogate Issues:

Calibration	SampleName	LabNumber	Analyte	Rec %	Limits
SH50018	Aroclor Reference	S5H2537-ARC1	Decachlorobiphenyl	**76.5**	-
SH50018	Aroclor Reference	S5H2537-ARC1	Decachlorobiphenyl [2C]	**83.5**	-

4.0 Analysis Issues

EPA 6010D

Metals, Target Analyte

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : Metals, Target Analyte

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
Metals, Target Analyte	S5H2724	S5H2724	Initial Cal Check	S5H2724-ICV1	ICP5900-01	QBI082725A_SOIL-006
Metals, Target Analyte	S5H2724	S5H2724	Initial Cal Blank	S5H2724-ICB1	ICP5900-01	QBI082725A_SOIL-007
Metals, Target Analyte	S5H2724	S5H2724	Instrument RL Check	S5H2724-CRL1	ICP5900-01	QBI082725A_SOIL-008
Metals, Target Analyte	S5H2724	S5H2724	Interference Check A	S5H2724-IFA1	ICP5900-01	QBI082725A_SOIL-010
Metals, Target Analyte	S5H2724	S5H2724	Interference Check B	S5H2724-IFB1	ICP5900-01	QBI082725A_SOIL-011
Metals, Target Analyte	S5H2724	S5H2724	Calibration Check	S5H2724-CCV1	ICP5900-01	QBI082725A_SOIL-012
Metals, Target Analyte	S5H2724	S5H2724	Calibration Blank	S5H2724-CCB1	ICP5900-01	QBI082725A_SOIL-013
Metals, Target Analyte	S5H2724	S5H2724	Calibration Check	S5H2724-CCV7	ICP5900-01	QBI082725A_SOIL-084
Metals, Target Analyte	S5H2724	S5H2724	Calibration Blank	S5H2724-CCB7	ICP5900-01	QBI082725A_SOIL-085
Metals, Target Analyte	BH51916	S5H2724	Blank	BH51916-BLK1	ICP5900-01	QBI082725A_SOIL-086
Metals, Target Analyte	BH51916	S5H2724	Reference	BH51916-SRM1	ICP5900-01	QBI082725A_SOIL-087
Metals, Target Analyte	BH51916	S5H2724	HVAC SW North 1-3	25H1535-05	ICP5900-01	QBI082725A_SOIL-090
Metals, Target Analyte	BH51916	S5H2724	HVAC SW South 1-3	25H1535-06	ICP5900-01	QBI082725A_SOIL-091
Metals, Target Analyte	BH51916	S5H2724	HVAC SW East 1-3	25H1535-07	ICP5900-01	QBI082725A_SOIL-092
Metals, Target Analyte	BH51916	S5H2724	HVAC SW West 1-3	25H1535-08	ICP5900-01	QBI082725A_SOIL-093
Metals, Target Analyte	BH51916	S5H2724	HVAC Bottom 3 ft	25H1535-09	ICP5900-01	QBI082725A_SOIL-094
Metals, Target Analyte	BH51916	S5H2724	HVAC Bottom 3 ftDUP1	BH51916-DUP1	ICP5900-01	QBI082725A_SOIL-095
Metals, Target Analyte	S5H2724	S5H2724	Calibration Check	S5H2724-CCV8	ICP5900-01	QBI082725A_SOIL-096
Metals, Target Analyte	S5H2724	S5H2724	Calibration Blank	S5H2724-CCB8	ICP5900-01	QBI082725A_SOIL-097
Metals, Target Analyte	BH51916	S5H2724	HVAC Bottom 3 ftMS1	BH51916-MS1	ICP5900-01	QBI082725A_SOIL-098
Metals, Target Analyte	BH51916	S5H2724	Post Spike	BH51916-PS1	ICP5900-01	QBI082725A_SOIL-099
Metals, Target Analyte	S5H2724	S5H2724	Serial Dilution	S5H2724-SRD1	ICP5900-01	QBI082725A_SOIL-100
Metals, Target Analyte	BH51916	S5H2724	HVAC DUP	25H1535-10	ICP5900-01	QBI082725A_SOIL-101
Metals, Target Analyte	S5H2724	S5H2724	Calibration Check	S5H2724-CCV9	ICP5900-01	QBI082725A_SOIL-108
Metals, Target Analyte	S5H2724	S5H2724	Calibration Blank	S5H2724-CCB9	ICP5900-01	QBI082725A_SOIL-109
Metals, Target Analyte	S5H2724	S5H2724	Calibration Check	S5H2724-CCVA	ICP5900-01	QBI082725A_SOIL-120
Metals, Target Analyte	S5H2724	S5H2724	Calibration Blank	S5H2724-CCBA	ICP5900-01	QBI082725A_SOIL-121
Metals, Target Analyte	S5H2724	S5H2724	Calibration Check	S5H2724-CCVB	ICP5900-01	QBI082725A_SOIL-132
Metals, Target Analyte	S5H2724	S5H2724	Calibration Blank	S5H2724-CCBB	ICP5900-01	QBI082725A_SOIL-133
Metals, Target Analyte	S5H2724	S5H2724	Calibration Check	S5H2724-CCVC	ICP5900-01	QBI082725A_SOIL-144
Metals, Target Analyte	S5H2724	S5H2724	Calibration Blank	S5H2724-CCBC	ICP5900-01	QBI082725A_SOIL-145
Metals, Target Analyte	S5H2724	S5H2724	Calibration Check	S5H2724-CCVD	ICP5900-01	QBI082725A_SOIL-156

Analytical Work Order Narrative

4.0 Analysis Issues

Metals, Target Analyte	S5H2724	S5H2724	Calibration Blank	S5H2724-CCBD	ICP5900-01	QBI082725A_SOIL-157
Metals, Target Analyte	S5H2724	S5H2724	Calibration Check	S5H2724-CCVE	ICP5900-01	QBI082725A_SOIL-164
Metals, Target Analyte	S5H2724	S5H2724	Calibration Blank	S5H2724-CCBE	ICP5900-01	QBI082725A_SOIL-165

Initial calibration for EPA 6010D met method guidelines.

EPA 6010D

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 6010D
All target analytes recovered within method limits

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
Metals, Target Analyte	S5H2724	S5H2724-CCV1	QBI082725A_SOIL-012	08/27/25 09:53
Metals, Target Analyte	S5H2724	S5H2724-CCV7	QBI082725A_SOIL-084	08/27/25 11:57
Metals, Target Analyte	S5H2724	S5H2724-CCV8	QBI082725A_SOIL-096	08/27/25 12:19
Metals, Target Analyte	S5H2724	S5H2724-CCV9	QBI082725A_SOIL-108	08/27/25 12:44
Metals, Target Analyte	S5H2724	S5H2724-CCVA	QBI082725A_SOIL-120	08/27/25 13:05
Metals, Target Analyte	S5H2724	S5H2724-CCVB	QBI082725A_SOIL-132	08/27/25 13:23
Metals, Target Analyte	S5H2724	S5H2724-CCVC	QBI082725A_SOIL-144	08/27/25 13:41
Metals, Target Analyte	S5H2724	S5H2724-CCVD	QBI082725A_SOIL-156	08/27/25 14:01
Metals, Target Analyte	S5H2724	S5H2724-CCVE	QBI082725A_SOIL-164	08/27/25 14:14
Metals, Target Analyte	S5H2724	S5H2724-ICV1	QBI082725A_SOIL-006	08/27/25 09:41

The continuing calibration verification recovered within method limits.

EPA 6010D

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

	Batch	Sequence	Instrument	Blank	FileID
METALS	BH51916	S5H2724	ICP5900-01	BH51916-BLK1	QBI082725A_SOIL-086

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
Metals, Target Analyte	5H2724	BH51916-SRM1	Reference	QBI082725A_SOIL-087

Analytical Work Order Narrative

EPA 6010D

Matrix Spike, Matrix Spike Duplicate and/or Sample Duplicate-

MS/MSD/Duplicate analysis was performed on sample;

AnaClass	Cal	Batch	Sequence	SampleName	Sample	SourceSample	LabNumber
METALS	**Metals, Target**	BH51916	S5H2724	HVAC Bottom 3 ftDUP1	25H1535-09	HVAC Bottom 3 ft	BH51916-DUP1
METALS	**Metals, Target**	BH51916	S5H2724	HVAC Bottom 3 ftMS1	25H1535-09	HVAC Bottom 3 ft	BH51916-MS1

Sequence	SourceSample	LabNumber	Analyte	Units	DupRec%	Rec%	RPD	Limits	RPD Lim
S5H2724	HVAC Bottom 3 ft	BH51916-MS1	Antimony	mg/kg dry		41		75 - 125	
S5H2724	HVAC Bottom 3 ft	BH51916-MS1	Calcium	mg/kg dry		-7150		75 - 125	
S5H2724	HVAC Bottom 3 ft	BH51916-MS1	Iron	mg/kg dry		1550		75 - 125	
S5H2724	HVAC Bottom 3 ft	BH51916-MS1	Magnesium	mg/kg dry		-788		75 - 125	
S5H2724	HVAC Bottom 3 ft	BH51916-MS1	Manganese	mg/kg dry		180		75 - 125	
S5H2724	HVAC Bottom 3 ft	BH51916-MS1	Potassium	mg/kg dry		207		75 - 125	
S5H2724	HVAC Bottom 3 ft	BH51916-MS1	Sodium	mg/kg dry		-125		75 - 125	

RPD Report

Sequence	SampleName	SampleNumber	LabNumber	Analyte	RPD	RPDLimit	AnalyteNotes
S5H2724	HVAC Bottom 3 ftDUP1	25H1535-09	BH51916-DUP1	Calcium	46.3	35	
S5H2724	HVAC Bottom 3 ftDUP1	25H1535-09	BH51916-DUP1	Magnesium	68.7	35	
S5H2724	HVAC Bottom 3 ftDUP1	25H1535-09	BH51916-DUP1	Sodium	50.7	35	

Dilutions: No sample dilutions were required.

EPA 6010D

Internal Standards / Surrogates

Internal Standards Issues: No issues were encountered.

Analytical Work Order Narrative

4.0 Analysis Issues

EPA 7473

Mercury by 7473

No problems were encountered with analysis of the samples, other than detailed below.

Initial Calibration : Mercury by 7473

Samples and QC analyzed using this calibration / sequence.

Calibration	Batch	Sequence	SampleName	LabNumber	Instrument	File ID
Mercury by 7473	BH51843	S5H2018	HVAC Bottom 3 ft	25H1535-09	DMA 80-01	QBHG DMA 08252025A
Mercury by 7473	BH51843	S5H2018	HVAC DUP	25H1535-10	DMA 80-01	QBHG DMA 08252025A
Mercury by 7473	BH51843	S5H2018	Blank	BH51843-BLK1	DMA 80-01	QBHG DMA 08252025A
Mercury by 7473	BH51843	S5H2018	HVAC Bottom 3 ftDUP1	BH51843-DUP1	DMA 80-01	QBHG DMA 08252025A
Mercury by 7473	BH51843	S5H2018	HVAC Bottom 3 ftMS1	BH51843-MS1	DMA 80-01	QBHG DMA 08252025A
Mercury by 7473	BH51843	S5H2018	Reference	BH51843-SRM1	DMA 80-01	QBHG DMA 08252025A
Mercury by 7473	S5H2018	S5H2018	Calibration Blank	S5H2018-CCB6	DMA 80-01	QBHG DMA 08252025A
Mercury by 7473	S5H2018	S5H2018	Calibration Blank	S5H2018-CCB7	DMA 80-01	QBHG DMA 08252025A
Mercury by 7473	S5H2018	S5H2018	Calibration Check	S5H2018-CCV6	DMA 80-01	QBHG DMA 08252025A
Mercury by 7473	S5H2018	S5H2018	Calibration Check	S5H2018-CCV7	DMA 80-01	QBHG DMA 08252025A
Mercury by 7473	BH51770	S5H2018	HVAC SW North 1-3	25H1535-05	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	BH51770	S5H2018	HVAC SW South 1-3	25H1535-06	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	BH51770	S5H2018	HVAC SW East 1-3	25H1535-07	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	BH51770	S5H2018	HVAC SW West 1-3	25H1535-08	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	BH51770	S5H2018	Blank	BH51770-BLK1	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	BH51770	S5H2018	Reference	BH51770-SRM1	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Calibration Blank	S5H2018-CCB1	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Calibration Blank	S5H2018-CCB2	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Calibration Blank	S5H2018-CCB3	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Calibration Blank	S5H2018-CCB4	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Calibration Blank	S5H2018-CCB5	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Calibration Check	S5H2018-CCV1	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Calibration Check	S5H2018-CCV2	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Calibration Check	S5H2018-CCV3	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Calibration Check	S5H2018-CCV4	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Calibration Check	S5H2018-CCV5	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	High Cal Check	S5H2018-HCV1	DMA 80-01	QBHg-DMA80-01 082025A_soil
Mercury by 7473	S5H2018	S5H2018	Low Cal Check	S5H2018-LCV1	DMA 80-01	QBHg-DMA80-01 082025A_soil

Initial calibration for EPA 7473 met method guidelines.

Analytical Work Order Narrative

EPA 7473

Initial Calibration Verification-

The initial calibration verification for analytical method EPA 7473
All target analytes recovered within method limits

Continuing Calibration Verification-

Calibration	Sequence	LabNumber	File ID	Date / Time
Mercury by 7473	S5H2018	S5H2018-CCV1	QBHg-DMA80-01 082025A	08/20/25 14:52
Mercury by 7473	S5H2018	S5H2018-CCV2	QBHg-DMA80-01 082025A	08/20/25 14:52
Mercury by 7473	S5H2018	S5H2018-CCV3	QBHg-DMA80-01 082025A	08/22/25 12:38
Mercury by 7473	S5H2018	S5H2018-CCV4	QBHg-DMA80-01 082025A	08/22/25 12:38
Mercury by 7473	S5H2018	S5H2018-CCV5	QBHg-DMA80-01 082025A	08/22/25 15:14
Mercury by 7473	S5H2018	S5H2018-CCV6	QBHG DMA 08252025A	08/25/25 15:21
Mercury by 7473	S5H2018	S5H2018-CCV7	QBHG DMA 08252025A	08/25/25 15:21

The continuing calibration verification recovered within method limits.

EPA 7473

Batch QC

Method Blank- No reportable target compounds were detected in the method blank(s)

	Batch	Sequence	Instrument	Blank	FileID
HG	BH51770	S5H2018	DMA 80-01	BH51770-BLK1	QBHg-DMA80-01 082025A_soil
HG	BH51843	S5H2018	DMA 80-01	BH51843-BLK1	QBHG DMA 08252025A

Laboratory Control Sample (LCS) or Standard Reference Material (SRM)-

Were run as batch QC for this project. Please refer to the Quality Control Data attached to this report for bias information.

Calibration	Sequence	LabNumber	SampleName	File ID
Mercury by 7473	5H2018	BH51770-SRM1	Reference	QBHg-DMA80-01 082025A_soil
Mercury by 7473	5H2018	BH51843-SRM1	Reference	QBHG DMA 08252025A

EPA 7473

Matrix Spike, Matrix Spike Duplicate and/or Sample Duplicate-

MS/MSD/Duplicate analysis was performed on sample;

AnaClass	Cal	Batch	Sequence	SampleName	Sample	SourceSample	LabNumber
HG	**Mercury by 747**	BH51843	S5H2018	HVAC Bottom 3 ftDUP1	25H1535-09	HVAC Bottom 3 ft	BH51843-DUP1
HG	**Mercury by 747**	BH51843	S5H2018	HVAC Bottom 3 ftMS1	25H1535-09	HVAC Bottom 3 ft	BH51843-MS1

Dilutions: No sample dilutions were required.

Analytical Laboratories, Inc.
Formulae Used for Sample Calculations

1. Volatiles in Air-ppbv

Cx (ppbv) = Compound concentration, ppbv (parts per billion by volume)

$$Cx = \frac{(Ax)(Cis)(DF)}{(Ais)(RRF)}$$

2. Volatiles in Air-ug/m³

Cx (ug/m³)= Compound concentration in ug/m³

$$Cx\ (ug/m^3) = \frac{(ppbv \times Molecular\ wt.)}{(24.45)}$$

3. Volatile Organics (water and soil), ug/L or ug/kg

Soils/Waters

$$Cx = \frac{(Ax)(IS)(DF)}{(Ais)(RRF)(V)(\%\ solids)}$$

Medium Level Soils

$$Cx = \frac{(Ax)(IS)(VT)(1000)(DF)}{(Ais)(RRF)(VA)(V)(\%\ solids)}$$

4. Semi-Volatiles (waters and soils)

$$Cx = \frac{(Ax)(IS)(VE)(DF)}{(Ais)(RRF)(Volume\ injected,\ uL)(V)(\%\ solids)}$$

5. Pesticides/PCB (waters and soils), DRO, CTETPH

$$Cx = \frac{(Ax)(VE)(DF)}{(CF)(Volume\ injected,\ uL)(V)(\%\ solids)}$$

WHERE:
Cx = concentration of analyte as ug/L or ug/kg
Ax = Area of the characteristic ion for the compound to be measured, counts.
Ais = Area of the characteristic ion for the specific internal standard, counts.
IS = Concentration of the internal standard spiking mixture, ng
RRF = Mean relative response factor from the initial calibration.
DF = Dilution factor calculated as described in section 2. If no dilution is performed, DF= 1
V = Volume for liquids in mL, weight for soils/solids in grams.
VA = volume of MeOH aliquot for medium level soils
VE = final volume of concentrated extract
VT = volume of MeOH for volatiles medium level soils
CF = calibration factor for external calibration used in GC pest/pcb
Cis = Concentration of the internal standard spiking mixture, ppbv

Analytical Batch Summary

Batch ID: BH51770	**Preparation Method:** EPA 7473 soil	**Prepared By:** JWT
Sample ID	**Client Sample ID**	**Preparation Date**
25H1535-05	HVAC SW North 1-3	08/22/25
25H1535-06	HVAC SW South 1-3	08/22/25
25H1535-07	HVAC SW East 1-3	08/22/25
25H1535-08	HVAC SW West 1-3	08/22/25
BH51770-BLK1	Blank	08/22/25
BH51770-SRM1	Reference	08/22/25

Batch ID: BH51799	**Preparation Method:** EPA 5035A	**Prepared By:** PMB
Sample ID	**Client Sample ID**	**Preparation Date**
25H1535-03	HVAC SW East-S-1	08/23/25
25H1535-04	HVAC SW West-S-1	08/23/25
25H1535-09	HVAC Bottom 3 ft	08/23/25
25H1535-10	HVAC DUP	08/23/25
BH51799-BLK1	Blank	08/23/25
BH51799-BS1	LCS	08/23/25
BH51799-BSD1	LCS Dup	08/23/25
BH51799-MS1	Matrix Spike	08/23/25
BH51799-MSD1	Matrix Spike Dup	08/23/25

Batch ID: BH51804	**Preparation Method:** EPA 3550C	**Prepared By:** FA
Sample ID	**Client Sample ID**	**Preparation Date**
25H1535-05	HVAC SW North 1-3	08/23/25
25H1535-06	HVAC SW South 1-3	08/23/25
25H1535-07	HVAC SW East 1-3	08/23/25
25H1535-08	HVAC SW West 1-3	08/23/25
25H1535-09	HVAC Bottom 3 ft	08/23/25
25H1535-10	HVAC DUP	08/23/25
BH51804-BLK1	Blank	08/23/25
BH51804-BS1	LCS	08/23/25
BH51804-MS1	Matrix Spike	08/23/25
BH51804-MSD1	Matrix Spike Dup	08/23/25

Batch ID: BH51815	**Preparation Method:** EPA 3550C	**Prepared By:** AJF
Sample ID	**Client Sample ID**	**Preparation Date**
25H1535-05	HVAC SW North 1-3	08/24/25
25H1535-06	HVAC SW South 1-3	08/24/25
25H1535-07	HVAC SW East 1-3	08/24/25
25H1535-08	HVAC SW West 1-3	08/24/25
25H1535-09	HVAC Bottom 3 ft	08/24/25
25H1535-10	HVAC DUP	08/24/25
BH51815-BLK2	Blank	08/24/25
BH51815-BS2	LCS	08/24/25
BH51815-MS2	Matrix Spike	08/24/25
BH51815-MSD2	Matrix Spike Dup	08/24/25

Batch ID: BH51816	Preparation Method: EPA 3550C	Prepared By: AJF
Sample ID	**Client Sample ID**	**Preparation Date**
25H1535-05	HVAC SW North 1-3	08/23/25
25H1535-06	HVAC SW South 1-3	08/23/25
25H1535-07	HVAC SW East 1-3	08/23/25
25H1535-08	HVAC SW West 1-3	08/23/25
25H1535-09	HVAC Bottom 3 ft	08/23/25
25H1535-10	HVAC DUP	08/23/25
BH51816-BLK1	Blank	08/24/25
BH51816-BS1	LCS	08/24/25
BH51816-MS1	Matrix Spike	08/24/25
BH51816-MSD1	Matrix Spike Dup	08/24/25

Batch ID: BH51827	Preparation Method: EPA 5030B	Prepared By: SKF
Sample ID	**Client Sample ID**	**Preparation Date**
25H1535-11	Trip Blank	08/24/25
BH51827-BLK1	Blank	08/24/25
BH51827-BS1	LCS	08/24/25
BH51827-BSD1	LCS Dup	08/24/25

Batch ID: BH51830	Preparation Method: % Solids Prep	Prepared By: SMM
Sample ID	**Client Sample ID**	**Preparation Date**
25H1535-01	HVAC SW North-S-1	08/25/25
25H1535-02	HVAC SW South-S-1	08/25/25
25H1535-03	HVAC SW East-S-1	08/25/25
25H1535-04	HVAC SW West-S-1	08/25/25
25H1535-05	HVAC SW North 1-3	08/25/25
25H1535-06	HVAC SW South 1-3	08/25/25
25H1535-07	HVAC SW East 1-3	08/25/25
25H1535-08	HVAC SW West 1-3	08/25/25
25H1535-09	HVAC Bottom 3 ft	08/25/25
25H1535-10	HVAC DUP	08/25/25
BH51830-DUP1	Duplicate	08/25/25

Batch ID: BH51843	Preparation Method: EPA 7473 soil	Prepared By: JWT
Sample ID	**Client Sample ID**	**Preparation Date**
25H1535-09	HVAC Bottom 3 ft	08/25/25
25H1535-10	HVAC DUP	08/25/25
BH51843-BLK1	Blank	08/25/25
BH51843-DUP1	Duplicate	08/25/25
BH51843-MS1	Matrix Spike	08/25/25
BH51843-SRM1	Reference	08/25/25

Batch ID: BH51891	Preparation Method: EPA 5030B	Prepared By: PMB
Sample ID	**Client Sample ID**	**Preparation Date**
25H1535-12	Field Blank	08/25/25
BH51891-BLK1	Blank	08/25/25
BH51891-BS1	LCS	08/25/25
BH51891-BSD1	LCS Dup	08/25/25

Batch ID: BH51909	Preparation Method: EPA 5035A	Prepared By: PRS
Sample ID	**Client Sample ID**	**Preparation Date**
25H1535-01	HVAC SW North-S-1	08/26/25
25H1535-02	HVAC SW South-S-1	08/26/25
BH51909-BLK1	Blank	08/26/25
BH51909-BS1	LCS	08/26/25
BH51909-BSD1	LCS Dup	08/26/25

Batch ID: BH51916	Preparation Method: EPA 3050B	Prepared By: JWT
Sample ID	**Client Sample ID**	**Preparation Date**
25H1535-05	HVAC SW North 1-3	08/26/25
25H1535-06	HVAC SW South 1-3	08/26/25
25H1535-07	HVAC SW East 1-3	08/26/25
25H1535-08	HVAC SW West 1-3	08/26/25
25H1535-09	HVAC Bottom 3 ft	08/26/25
25H1535-10	HVAC DUP	08/26/25
BH51916-BLK1	Blank	08/26/25
BH51916-DUP1	Duplicate	08/26/25
BH51916-MS1	Matrix Spike	08/26/25
BH51916-PS1	Post Spike	08/26/25
BH51916-SRM1	Reference	08/26/25

Batch ID: BH51930	Preparation Method: EPA 3550C	Prepared By: FA
Sample ID	**Client Sample ID**	**Preparation Date**
25H1535-10	HVAC DUP	08/26/25
BH51930-BLK1	Blank	08/26/25
BH51930-BS1	LCS	08/26/25

Batch ID: BH51937	Preparation Method: EPA 3550C	Prepared By: JLM
Sample ID	**Client Sample ID**	**Preparation Date**
25H1535-05	HVAC SW North 1-3	08/26/25
25H1535-05RE1	HVAC SW North 1-3	08/26/25
25H1535-06	HVAC SW South 1-3	08/26/25
25H1535-07	HVAC SW East 1-3	08/26/25
25H1535-07RE1	HVAC SW East 1-3	08/26/25
25H1535-08	HVAC SW West 1-3	08/26/25
25H1535-09	HVAC Bottom 3 ft	08/26/25
BH51937-BLK1	Blank	08/26/25
BH51937-BS1	LCS	08/26/25
BH51937-MS1	Matrix Spike	08/26/25
BH51937-MSD1	Matrix Spike Dup	08/26/25

Batch ID: BH52275	Preparation Method: EPA 1633 Prep	Prepared By: JBG
Sample ID	**Client Sample ID**	**Preparation Date**
25H1535-01	HVAC SW North-S-1	08/31/25
25H1535-02	HVAC SW South-S-1	08/31/25
25H1535-03	HVAC SW East-S-1	08/31/25
25H1535-04	HVAC SW West-S-1	08/31/25
25H1535-05	HVAC SW North 1-3	08/31/25
25H1535-06	HVAC SW South 1-3	08/31/25
25H1535-07	HVAC SW East 1-3	08/31/25
25H1535-08	HVAC SW West 1-3	08/31/25
25H1535-09	HVAC Bottom 3 ft	08/31/25
25H1535-10	HVAC DUP	08/31/25

Batch ID: BI50241	Preparation Method: EPA 1633 Prep	Prepared By: JLH
Sample ID	**Client Sample ID**	**Preparation Date**
25H1535-12	Field Blank	09/04/25
BI50241-BLK1	Blank	09/04/25
BI50241-BS1	LCS	09/04/25
BI50241-BS2	LCS	09/04/25

Batch ID: BI50372	Preparation Method: EPA 1633 Prep	Prepared By: JBG
Sample ID	**Client Sample ID**	**Preparation Date**
25H1535-01RE1	HVAC SW North-S-1	09/06/25
25H1535-02RE1	HVAC SW South-S-1	09/06/25
25H1535-03RE1	HVAC SW East-S-1	09/06/25
25H1535-04RE1	HVAC SW West-S-1	09/06/25
25H1535-05RE1	HVAC SW North 1-3	09/06/25
25H1535-06RE1	HVAC SW South 1-3	09/06/25
25H1535-07RE1	HVAC SW East 1-3	09/06/25
25H1535-08RE1	HVAC SW West 1-3	09/06/25
25H1535-09RE1	HVAC Bottom 3 ft	09/06/25
25H1535-10RE1	HVAC DUP	09/06/25
BI50372-BLK1	Blank	09/06/25
BI50372-BS1	LCS	09/06/25
BI50372-BS2	LCS	09/06/25
BI50372-MS1	Matrix Spike	09/06/25
BI50372-MSD1	Matrix Spike Dup	09/06/25

HOLDING TIME SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

extracted within 90-days
HT for solids - no qual
28 d for FB - met

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC SW North-S-1	08/20/25	08/21/25	90.00	09/06/25	11/18/25	90.00	09/07/25	12/05/25	
HVAC SW North-S-1	08/20/25	08/21/25	3.00	09/06/25	08/23/25	90.00	09/07/25	12/05/25	*
HVAC SW South-S-1	08/20/25	08/21/25	90.00	09/06/25	11/18/25	90.00	09/07/25	12/05/25	
HVAC SW South-S-1	08/20/25	08/21/25	3.00	09/06/25	08/23/25	90.00	09/07/25	12/05/25	*
HVAC SW East-S-1	08/20/25	08/21/25	3.00	09/06/25	08/23/25	90.00	09/07/25	12/05/25	*
HVAC SW East-S-1	08/20/25	08/21/25	90.00	09/06/25	11/18/25	90.00	09/07/25	12/05/25	
HVAC SW West-S-1	08/20/25	08/21/25	3.00	09/06/25	08/23/25	90.00	09/07/25	12/05/25	*
HVAC SW West-S-1	08/20/25	08/21/25	90.00	09/06/25	11/18/25	90.00	09/07/25	12/05/25	
HVAC SW North 1-3	08/20/25	08/21/25	90.00	09/06/25	11/18/25	90.00	09/07/25	12/05/25	
HVAC SW North 1-3	08/20/25	08/21/25	3.00	09/06/25	08/23/25	90.00	09/07/25	12/05/25	*
HVAC SW South 1-3	08/20/25	08/21/25	90.00	09/06/25	11/18/25	90.00	09/07/25	12/05/25	
HVAC SW South 1-3	08/20/25	08/21/25	3.00	09/06/25	08/23/25	90.00	09/07/25	12/05/25	*
HVAC SW East 1-3	08/20/25	08/21/25	3.00	09/06/25	08/23/25	90.00	09/08/25	12/05/25	*
HVAC SW East 1-3	08/20/25	08/21/25	90.00	09/06/25	11/18/25	90.00	09/08/25	12/05/25	
HVAC SW West 1-3	08/20/25	08/21/25	90.00	09/06/25	11/18/25	90.00	09/08/25	12/05/25	
HVAC SW West 1-3	08/20/25	08/21/25	3.00	09/06/25	08/23/25	90.00	09/08/25	12/05/25	*
HVAC Bottom 3 ft	08/20/25	08/21/25	90.00	09/06/25	11/18/25	90.00	09/08/25	12/05/25	
HVAC Bottom 3 ft	08/20/25	08/21/25	3.00	09/06/25	08/23/25	90.00	09/08/25	12/05/25	*
HVAC DUP	08/20/25	08/21/25	3.00	09/06/25	08/23/25	90.00	09/08/25	12/05/25	*
HVAC DUP	08/20/25	08/21/25	90.00	09/06/25	11/18/25	90.00	09/08/25	12/05/25	

HOLDING TIME SUMMARY

EPA 1633A

Laboratory: **ALS Environmental - Stratford** **SDG:** **25H1535**

Client: **Terracon Consultants, Inc.** **Project:** **HPN HVAC J4257006, 10.2**

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
Field Blank	08/20/25	08/21/25	28.00	09/04/25	09/17/25	90.00	09/05/25	12/03/25	

HOLDING TIME SUMMARY

EPA 6010D

Laboratory: **ALS Environmental - Stratford** **SDG:** **25H1535**

Client: **Terracon Consultants, Inc.** **Project:** **HPN HVAC J4257006, 10.2**

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC SW North 1-3	08/20/25	08/21/25	180.00	08/26/25	02/16/26		08/27/25		
HVAC SW South 1-3	08/20/25	08/21/25	180.00	08/26/25	02/16/26		08/27/25		
HVAC SW East 1-3	08/20/25	08/21/25	180.00	08/26/25	02/16/26		08/27/25		
HVAC SW West 1-3	08/20/25	08/21/25	180.00	08/26/25	02/16/26		08/27/25		
HVAC Bottom 3 ft	08/20/25	08/21/25	180.00	08/26/25	02/16/26		08/27/25		
HVAC DUP	08/20/25	08/21/25	180.00	08/26/25	02/16/26		08/27/25		

HOLDING TIME SUMMARY

EPA 7473

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC SW North 1-3	08/20/25 14:16	08/21/25 17:55	28.00	08/22/25 11:45	09/17/25 14:16		08/22/25 15:14		
HVAC SW South 1-3	08/20/25 14:04	08/21/25 17:55	28.00	08/22/25 11:45	09/17/25 14:04		08/22/25 15:14		
HVAC SW East 1-3	08/20/25 14:09	08/21/25 17:55	28.00	08/22/25 11:45	09/17/25 14:09		08/22/25 15:14		
HVAC SW West 1-3	08/20/25 13:51	08/21/25 17:55	28.00	08/22/25 11:45	09/17/25 13:51		08/22/25 15:14		
HVAC Bottom 3 ft	08/20/25 14:11	08/21/25 17:55	28.00	08/25/25 08:11	09/17/25 14:11		08/25/25 15:21		
HVAC DUP	08/20/25 14:11	08/21/25 17:55	28.00	08/25/25 08:11	09/17/25 14:11		08/25/25 15:21		

HOLDING TIME SUMMARY

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC SW North 1-3	08/20/25	08/21/25	14.00	08/23/25	09/03/25	40.00	08/25/25	10/02/25	
HVAC SW South 1-3	08/20/25	08/21/25	14.00	08/23/25	09/03/25	40.00	08/25/25	10/02/25	
HVAC SW East 1-3	08/20/25	08/21/25	14.00	08/23/25	09/03/25	40.00	08/25/25	10/02/25	
HVAC SW West 1-3	08/20/25	08/21/25	14.00	08/23/25	09/03/25	40.00	08/25/25	10/02/25	
HVAC Bottom 3 ft	08/20/25	08/21/25	14.00	08/23/25	09/03/25	40.00	08/25/25	10/02/25	
HVAC DUP	08/20/25	08/21/25	14.00	08/23/25	09/03/25	40.00	08/25/25	10/02/25	

HOLDING TIME SUMMARY

EPA 8082A

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC SW North 1-3	08/20/25	08/21/25	14.00	08/24/25	09/03/25	40.00	08/25/25	10/03/25	
HVAC SW South 1-3	08/20/25	08/21/25	14.00	08/24/25	09/03/25	40.00	08/25/25	10/03/25	
HVAC SW East 1-3	08/20/25	08/21/25	14.00	08/24/25	09/03/25	40.00	08/25/25	10/03/25	
HVAC SW West 1-3	08/20/25	08/21/25	14.00	08/24/25	09/03/25	40.00	08/25/25	10/03/25	
HVAC Bottom 3 ft	08/20/25	08/21/25	14.00	08/24/25	09/03/25	40.00	08/25/25	10/03/25	
HVAC DUP	08/20/25	08/21/25	14.00	08/24/25	09/03/25	40.00	08/25/25	10/03/25	

HOLDING TIME SUMMARY

EPA 8260D

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC SW North-S-1	08/20/25	08/21/25	14.00	08/26/25	09/03/25		08/26/25		
HVAC SW South-S-1	08/20/25	08/21/25	14.00	08/26/25	09/03/25		08/26/25		
HVAC SW East-S-1	08/20/25	08/21/25	14.00	08/23/25	09/03/25		08/23/25		
HVAC SW West-S-1	08/20/25	08/21/25	14.00	08/23/25	09/03/25		08/23/25		
HVAC Bottom 3 ft	08/20/25	08/21/25	14.00	08/23/25	09/03/25		08/23/25		
HVAC DUP	08/20/25	08/21/25	14.00	08/23/25	09/03/25		08/23/25		
Trip Blank	08/20/25	08/21/25	14.00	08/24/25	09/03/25		08/25/25		
Field Blank	08/20/25	08/21/25	14.00	08/25/25	09/03/25		08/26/25		

HOLDING TIME SUMMARY

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC SW North 1-3	08/20/25	08/21/25	14.00	08/26/25	09/03/25	40.00	08/29/25	10/05/25	
HVAC SW North 1-3	08/20/25	08/21/25	14.00	08/26/25	09/03/25	40.00	08/29/25	10/05/25	
HVAC SW South 1-3	08/20/25	08/21/25	14.00	08/26/25	09/03/25	40.00	08/29/25	10/05/25	
HVAC SW East 1-3	08/20/25	08/21/25	14.00	08/26/25	09/03/25	40.00	08/30/25	10/05/25	
HVAC SW East 1-3	08/20/25	08/21/25	14.00	08/26/25	09/03/25	40.00	09/02/25	10/05/25	
HVAC SW West 1-3	08/20/25	08/21/25	14.00	08/26/25	09/03/25	40.00	08/29/25	10/05/25	
HVAC Bottom 3 ft	08/20/25	08/21/25	14.00	08/26/25	09/03/25	40.00	08/29/25	10/05/25	
HVAC DUP	08/20/25	08/21/25	14.00	08/26/25	09/03/25	40.00	08/28/25	10/05/25	

HOLDING TIME SUMMARY

EPA 8270E SIM

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC SW North 1-3	08/20/25	08/21/25	14.00	08/23/25	09/03/25	40.00	08/26/25	10/02/25	
HVAC SW South 1-3	08/20/25	08/21/25	14.00	08/23/25	09/03/25	40.00	08/26/25	10/02/25	
HVAC SW East 1-3	08/20/25	08/21/25	14.00	08/23/25	09/03/25	40.00	08/26/25	10/02/25	
HVAC SW West 1-3	08/20/25	08/21/25	14.00	08/23/25	09/03/25	40.00	08/26/25	10/02/25	
HVAC Bottom 3 ft	08/20/25	08/21/25	14.00	08/23/25	09/03/25	40.00	08/26/25	10/02/25	
HVAC DUP	08/20/25	08/21/25	14.00	08/23/25	09/03/25	40.00	08/26/25	10/02/25	

HOLDING TIME SUMMARY

SM 2540G

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
HVAC SW North-S-1	08/20/25	08/21/25	7.00	08/25/25	08/27/25		08/25/25		
HVAC SW South-S-1	08/20/25	08/21/25	7.00	08/25/25	08/27/25		08/25/25		
HVAC SW East-S-1	08/20/25	08/21/25	7.00	08/25/25	08/27/25		08/25/25		
HVAC SW West-S-1	08/20/25	08/21/25	7.00	08/25/25	08/27/25		08/25/25		
HVAC SW North 1-3	08/20/25	08/21/25	7.00	08/25/25	08/27/25		08/25/25		
HVAC SW South 1-3	08/20/25	08/21/25	7.00	08/25/25	08/27/25		08/25/25		
HVAC SW East 1-3	08/20/25	08/21/25	7.00	08/25/25	08/27/25		08/25/25		
HVAC SW West 1-3	08/20/25	08/21/25	7.00	08/25/25	08/27/25		08/25/25		
HVAC Bottom 3 ft	08/20/25	08/21/25	7.00	08/25/25	08/27/25		08/25/25		
HVAC DUP	08/20/25	08/21/25	7.00	08/25/25	08/27/25		08/25/25		

Definitions and Other Explanations

Summary of Non-Conformance and Data Qualifiers Related

this Work Order: 25H1535

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CCVH	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
HT-NFD	NFDHA was extracted outside of the 3-day holding time established by 1633A. NFDHA is not a regulated analyte, and does not have a toxicity factor or corresponding EPA Regional Screening Level. These results should not impact data usability
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
/\	Analyte is not certified but the state of sample origination offer certification for the Analyte
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
S-HI	Surrogate recovery is above acceptance limits. No target compound is detected in sample.
P	This qualifier indicates the compound detected exhibited greater than 40% between the quantitation and confirmatory columns.
PF-CCV-L	The CCV recovery for this PFAS compound was below control limits.
PF-LCS-L	The LCS recovery for this PFAS compound was below control limits.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
S-03	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. This effect was confirmed by reanalysis.
S-08	The recovery of this surrogate was outside of QC limits.
IS-01	This internal standard did not meet acceptance criteria. The sample was reanalyzed to confirm matrix interference. The associated compounds have been flagged IS-HI or IS-LO accordingly.

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
MCL	MAXIMUM CONTAMINANT LEVEL for drinking water, which is the highest level of a contaminant allowed in public water systems. These are legally enforceable health-based standards set by the U.S. Environmental Protection Agency (EPA) to protect public health from contaminants in drinking water.

Definitions and Other Explanations (Continued)

Secondary MCL	SECONDARY MCL (Maximum Contaminant Level) is a non-enforceable guideline for contaminants in drinking water that affect aesthetic qualities like taste, odor, and color, or that cause cosmetic effects like staining. These are intended to protect public welfare and are not based on direct health effects, though states can choose to make them mandatory.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, ALS reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Positive Hits Included in This Report

Work Order No: 25H1535

Parameter	Result	Flag	MDL	RL	Units	Specific Method	Analyzed
25H1535-01 - HVAC SW North-S-1							
Perfluorohexanesulfonic acid (PFHxS)	0.141	J	0.0773	0.202	ug/kg dry	EPA 1633A	09/07/25 22:38
Perfluorooctanesulfonic acid (PFOS)	1.75		0.0773	0.206	ug/kg dry	EPA 1633A	09/07/25 22:38
Perfluoroundecanoic acid (PFUnA)	0.137	J	0.122	0.221	ug/kg dry	EPA 1633A	09/07/25 22:38
Perfluoro-1-octanesulfonamide (FOSA)	0.0456	J	0.0331	0.221	ug/kg dry	EPA 1633A	09/07/25 22:38
Acetone	0.22	CCVE, IS-LO, E	0.0019	0.0038	mg/kg dry	EPA 8260D	08/26/25 10:55
* Methylene chloride	0.0024	IS-LO, J	0.0019	0.0038	mg/kg dry	EPA 8260D	08/26/25 10:55
* % Solids	90.3		0.100	0.100	%	SM 2540G	08/25/25 10:10
25H1535-02 - HVAC SW South-S-1							
Perfluorooctanesulfonic acid (PFOS)	0.812		0.0773	0.205	ug/kg dry	EPA 1633A	09/07/25 22:54
Acetone	0.016	CCVE	0.0020	0.0041	mg/kg dry	EPA 8260D	08/26/25 11:24
* % Solids	90.3		0.100	0.100	%	SM 2540G	08/25/25 10:10
25H1535-03 - HVAC SW East-S-1							
Perfluorohexanoic acid (PFHxA)	0.0774	J	0.0547	0.219	ug/kg dry	EPA 1633A	09/07/25 23:09
Perfluorohexanesulfonic acid (PFHxS)	0.291		0.0766	0.200	ug/kg dry	EPA 1633A	09/07/25 23:09
Perfluorooctanoic acid (PFOA)	0.104	J	0.0766	0.219	ug/kg dry	EPA 1633A	09/07/25 23:09
Perfluorooctanesulfonic acid (PFOS)	2.15		0.0766	0.204	ug/kg dry	EPA 1633A	09/07/25 23:09
Perfluoroundecanoic acid (PFUnA)	0.157	J	0.120	0.219	ug/kg dry	EPA 1633A	09/07/25 23:09
Perfluoropentanoic acid (PFPeA)	0.103	J	0.0876	0.438	ug/kg dry	EPA 1633A	09/07/25 23:09
* % Solids	91.3		0.100	0.100	%	SM 2540G	08/25/25 10:10
25H1535-04 - HVAC SW West-S-1							
Perfluorohexanesulfonic acid (PFHxS)	0.150	J	0.0776	0.203	ug/kg dry	EPA 1633A	09/07/25 23:24
Perfluorooctanesulfonic acid (PFOS)	0.567		0.0776	0.206	ug/kg dry	EPA 1633A	09/07/25 23:24
Perfluorododecanoic acid (PFDoA)	0.0903	J	0.0886	0.222	ug/kg dry	EPA 1633A	09/07/25 23:24
Acetone	0.021	QL-02, CCVE, ICVE	0.0050	0.010	mg/kg dry	EPA 8260D	08/23/25 16:45
* % Solids	90.6		0.100	0.100	%	SM 2540G	08/25/25 10:10
25H1535-05 - HVAC SW North 1-3							
Perfluorohexanesulfonic acid (PFHxS)	0.174	J	0.0780	0.204	ug/kg dry	EPA 1633A	09/07/25 23:39
Perfluorooctanesulfonic acid (PFOS)	1.35		0.0780	0.207	ug/kg dry	EPA 1633A	09/07/25 23:39
Perfluoroundecanoic acid (PFUnA)	0.129	J	0.122	0.223	ug/kg dry	EPA 1633A	09/07/25 23:39
Perfluoro-1-octanesulfonamide (FOSA)	0.0384	J	0.0334	0.223	ug/kg dry	EPA 1633A	09/07/25 23:39
Aluminum	15500		4.65	4.65	mg/kg dry	EPA 6010D	08/27/25 12:08
Arsenic	3.25		1.39	1.39	mg/kg dry	EPA 6010D	08/27/25 12:08
Barium	112		2.32	2.32	mg/kg dry	EPA 6010D	08/27/25 12:08
Cadmium	0.307		0.279	0.279	mg/kg dry	EPA 6010D	08/27/25 12:08
Calcium	4760		4.65	4.65	mg/kg dry	EPA 6010D	08/27/25 12:08
Chromium	25.0		0.465	0.465	mg/kg dry	EPA 6010D	08/27/25 12:08
Cobalt	12.3		0.372	0.372	mg/kg dry	EPA 6010D	08/27/25 12:08
Copper	37.2		1.86	1.86	mg/kg dry	EPA 6010D	08/27/25 12:08
Iron	24700		23.2	23.2	mg/kg dry	EPA 6010D	08/27/25 12:08
Lead	8.71		0.465	0.465	mg/kg dry	EPA 6010D	08/27/25 12:08
Magnesium	6450		4.65	4.65	mg/kg dry	EPA 6010D	08/27/25 12:08
Manganese	386		0.465	0.465	mg/kg dry	EPA 6010D	08/27/25 12:08
Nickel	19.0		0.926	0.926	mg/kg dry	EPA 6010D	08/27/25 12:08
Potassium	4160		4.65	4.65	mg/kg dry	EPA 6010D	08/27/25 12:08
Sodium	622		46.5	46.5	mg/kg dry	EPA 6010D	08/27/25 12:08
Vanadium	44.7		0.926	0.926	mg/kg dry	EPA 6010D	08/27/25 12:08
Zinc	53.8		2.32	2.32	mg/kg dry	EPA 6010D	08/27/25 12:08
4,4'-DDT	0.00258		0.00181	0.00181	mg/kg dry	EPA 8081B	08/25/25 14:00
2-Methylnaphthalene	0.253		0.0460	0.0918	mg/kg dry	EPA 8270E	08/29/25 1:16

Positive Hits Included in This Report

Work Order No: 25H1535

25H1535-05 - HVAC SW North 1-3							
Acenaphthene	0.126		0.0460	0.0918	mg/kg dry	EPA 8270E	08/29/25 1:16
Acenaphthylene	0.453		0.0460	0.0918	mg/kg dry	EPA 8270E	08/29/25 1:16
Anthracene	0.500		0.0460	0.0918	mg/kg dry	EPA 8270E	08/29/25 1:16
Benzo(a)anthracene	1.55		0.0460	0.0918	mg/kg dry	EPA 8270E	08/29/25 1:16
Benzo(a)pyrene	1.46		0.0460	0.0918	mg/kg dry	EPA 8270E	08/29/25 1:16
Benzo(b)fluoranthene	0.912		0.0460	0.0918	mg/kg dry	EPA 8270E	08/29/25 1:16
Benzo(g,h,i)perylene	1.02	CCVE	0.0460	0.0918	mg/kg dry	EPA 8270E	08/29/25 1:16
Benzo(k)fluoranthene	0.856		0.0460	0.0918	mg/kg dry	EPA 8270E	08/29/25 1:16
Chrysene	1.73		0.0460	0.0918	mg/kg dry	EPA 8270E	08/29/25 1:16
Dibenzo(a,h)anthracene	0.269		0.0460	0.0918	mg/kg dry	EPA 8270E	08/29/25 1:16
Dibenzofuran	0.0595	J	0.0460	0.0918	mg/kg dry	EPA 8270E	08/29/25 1:16
Fluoranthene	1.69		0.0460	0.0918	mg/kg dry	EPA 8270E	08/29/25 1:16
Fluorene	0.452		0.0460	0.0918	mg/kg dry	EPA 8270E	08/29/25 1:16
Indeno(1,2,3-cd)pyrene	0.589		0.0460	0.0918	mg/kg dry	EPA 8270E	08/29/25 1:16
Naphthalene	0.255		0.0460	0.0918	mg/kg dry	EPA 8270E	08/29/25 1:16
Phenanthrene	1.59		0.0460	0.0918	mg/kg dry	EPA 8270E	08/29/25 1:16
Pyrene	4.62		0.115	0.230	mg/kg dry	EPA 8270E	08/29/25 22:48
* % Solids	89.6		0.100	0.100	%	SM 2540G	08/25/25 10:10
25H1535-06 - HVAC SW South 1-3							
Perfluorohexanesulfonic acid (PFHxS)	0.0946	J	0.0752	0.197	ug/kg dry	EPA 1633A	09/07/25 23:55
Perfluorooctanesulfonic acid (PFOS)	1.60		0.0752	0.200	ug/kg dry	EPA 1633A	09/07/25 23:55
Aluminum	12000		4.50	4.50	mg/kg dry	EPA 6010D	08/27/25 12:11
Arsenic	3.02		1.35	1.35	mg/kg dry	EPA 6010D	08/27/25 12:11
Barium	89.1		2.25	2.25	mg/kg dry	EPA 6010D	08/27/25 12:11
Calcium	17600		4.50	4.50	mg/kg dry	EPA 6010D	08/27/25 12:11
Chromium	22.5		0.451	0.451	mg/kg dry	EPA 6010D	08/27/25 12:11
Cobalt	8.99		0.360	0.360	mg/kg dry	EPA 6010D	08/27/25 12:11
Copper	36.6		1.80	1.80	mg/kg dry	EPA 6010D	08/27/25 12:11
Iron	18800		22.5	22.5	mg/kg dry	EPA 6010D	08/27/25 12:11
Lead	16.2		0.451	0.451	mg/kg dry	EPA 6010D	08/27/25 12:11
Magnesium	5790		4.51	4.51	mg/kg dry	EPA 6010D	08/27/25 12:11
Manganese	350		0.451	0.451	mg/kg dry	EPA 6010D	08/27/25 12:11
Nickel	15.6		0.897	0.897	mg/kg dry	EPA 6010D	08/27/25 12:11
Potassium	3030		4.51	4.51	mg/kg dry	EPA 6010D	08/27/25 12:11
Sodium	355		45.0	45.0	mg/kg dry	EPA 6010D	08/27/25 12:11
Vanadium	33.6		0.897	0.897	mg/kg dry	EPA 6010D	08/27/25 12:11
Zinc	72.7		2.24	2.24	mg/kg dry	EPA 6010D	08/27/25 12:11
2-Methylnaphthalene	0.0680	J	0.0449	0.0896	mg/kg dry	EPA 8270E	08/29/25 1:45
Acenaphthylene	0.210		0.0449	0.0896	mg/kg dry	EPA 8270E	08/29/25 1:45
Anthracene	0.190		0.0449	0.0896	mg/kg dry	EPA 8270E	08/29/25 1:45
Benzo(a)anthracene	0.799		0.0449	0.0896	mg/kg dry	EPA 8270E	08/29/25 1:45
Benzo(a)pyrene	0.664		0.0449	0.0896	mg/kg dry	EPA 8270E	08/29/25 1:45
Benzo(b)fluoranthene	0.434		0.0449	0.0896	mg/kg dry	EPA 8270E	08/29/25 1:45
Benzo(g,h,i)perylene	0.462	CCVE	0.0449	0.0896	mg/kg dry	EPA 8270E	08/29/25 1:45
Benzo(k)fluoranthene	0.400		0.0449	0.0896	mg/kg dry	EPA 8270E	08/29/25 1:45
Chrysene	0.863		0.0449	0.0896	mg/kg dry	EPA 8270E	08/29/25 1:45
Dibenzo(a,h)anthracene	0.103		0.0449	0.0896	mg/kg dry	EPA 8270E	08/29/25 1:45
Fluoranthene	0.732		0.0449	0.0896	mg/kg dry	EPA 8270E	08/29/25 1:45
Fluorene	0.103		0.0449	0.0896	mg/kg dry	EPA 8270E	08/29/25 1:45
Indeno(1,2,3-cd)pyrene	0.276		0.0449	0.0896	mg/kg dry	EPA 8270E	08/29/25 1:45
Naphthalene	0.0888	J	0.0449	0.0896	mg/kg dry	EPA 8270E	08/29/25 1:45
Phenanthrene	0.564		0.0449	0.0896	mg/kg dry	EPA 8270E	08/29/25 1:45
Pyrene	1.69		0.0449	0.0896	mg/kg dry	EPA 8270E	08/29/25 1:45
* % Solids	92.5		0.100	0.100	%	SM 2540G	08/25/25 10:10

Positive Hits Included in This Report

Work Order No: 25H1535

25H1535-07 - HVAC SW East 1-3							
Perfluorobutanesulfonic acid (PFBS)	0.0966	J	0.0762	0.193	ug/kg dry	EPA 1633A	09/08/25 0:41
Perfluorohexanoic acid (PFHxA)	0.0968	J	0.0544	0.218	ug/kg dry	EPA 1633A	09/08/25 0:41
Perfluorohexanesulfonic acid (PFHxS)	0.510		0.0762	0.199	ug/kg dry	EPA 1633A	09/08/25 0:41
Perfluorooctanoic acid (PFOA)	0.108	J	0.0762	0.218	ug/kg dry	EPA 1633A	09/08/25 0:41
Perfluorooctanesulfonic acid (PFOS)	3.07		0.0762	0.202	ug/kg dry	EPA 1633A	09/08/25 0:41
Perfluoroundecanoic acid (PFUnA)	0.176	J	0.120	0.218	ug/kg dry	EPA 1633A	09/08/25 0:41
Perfluorotridecanoic acid (PFTrDA)	0.133	J	0.120	0.218	ug/kg dry	EPA 1633A	09/08/25 0:41
Perfluoropentanoic acid (PFPeA)	0.121	J	0.0870	0.435	ug/kg dry	EPA 1633A	09/08/25 0:41
Aluminum	18300		4.54	4.54	mg/kg dry	EPA 6010D	08/27/25 12:13
Arsenic	3.77		1.36	1.36	mg/kg dry	EPA 6010D	08/27/25 12:13
Barium	132		2.27	2.27	mg/kg dry	EPA 6010D	08/27/25 12:13
Calcium	3930		4.54	4.54	mg/kg dry	EPA 6010D	08/27/25 12:13
Chromium	27.7		0.455	0.455	mg/kg dry	EPA 6010D	08/27/25 12:13
Cobalt	13.8		0.363	0.363	mg/kg dry	EPA 6010D	08/27/25 12:13
Copper	41.7		1.82	1.82	mg/kg dry	EPA 6010D	08/27/25 12:13
Iron	29600		22.7	22.7	mg/kg dry	EPA 6010D	08/27/25 12:13
Lead	11.2		0.455	0.455	mg/kg dry	EPA 6010D	08/27/25 12:13
Magnesium	7080		4.55	4.55	mg/kg dry	EPA 6010D	08/27/25 12:13
Manganese	503		0.455	0.455	mg/kg dry	EPA 6010D	08/27/25 12:13
Nickel	21.8		0.905	0.905	mg/kg dry	EPA 6010D	08/27/25 12:13
Potassium	4890		4.55	4.55	mg/kg dry	EPA 6010D	08/27/25 12:13
Sodium	335		45.4	45.4	mg/kg dry	EPA 6010D	08/27/25 12:13
Vanadium	52.1		0.905	0.905	mg/kg dry	EPA 6010D	08/27/25 12:13
Zinc	59.5		2.26	2.26	mg/kg dry	EPA 6010D	08/27/25 12:13
4,4'-DDT [2C]	0.00228		0.00177	0.00177	mg/kg dry	EPA 8081B	08/25/25 14:34
1,1-Biphenyl	0.0229	J	0.0221	0.0441	mg/kg dry	EPA 8270E	08/30/25 18:30
2-Methylnaphthalene	0.153		0.0221	0.0441	mg/kg dry	EPA 8270E	08/30/25 18:30
Acenaphthene	0.0311	J	0.0221	0.0441	mg/kg dry	EPA 8270E	08/30/25 18:30
Acenaphthylene	0.848		0.0221	0.0441	mg/kg dry	EPA 8270E	08/30/25 18:30
Anthracene	0.843		0.0221	0.0441	mg/kg dry	EPA 8270E	08/30/25 18:30
Benzo(a)anthracene	1.30		0.0221	0.0441	mg/kg dry	EPA 8270E	08/30/25 18:30
Benzo(a)pyrene	1.38		0.0221	0.0441	mg/kg dry	EPA 8270E	08/30/25 18:30
Benzo(b)fluoranthene	1.10		0.0221	0.0441	mg/kg dry	EPA 8270E	08/30/25 18:30
Benzo(g,h,i)perylene	1.18		0.0221	0.0441	mg/kg dry	EPA 8270E	08/30/25 18:30
Benzo(k)fluoranthene	1.00		0.0221	0.0441	mg/kg dry	EPA 8270E	08/30/25 18:30
Carbazole	0.0275	J	0.0221	0.0441	mg/kg dry	EPA 8270E	08/30/25 18:30
Chrysene	1.24		0.111	0.221	mg/kg dry	EPA 8270E	09/02/25 14:34
Dibenzo(a,h)anthracene	0.366		0.0221	0.0441	mg/kg dry	EPA 8270E	08/30/25 18:30
Dibenzofuran	0.0222	J	0.0221	0.0441	mg/kg dry	EPA 8270E	08/30/25 18:30
Fluoranthene	1.01		0.0221	0.0441	mg/kg dry	EPA 8270E	08/30/25 18:30
Fluorene	0.143		0.0221	0.0441	mg/kg dry	EPA 8270E	08/30/25 18:30
Indeno(1,2,3-cd)pyrene	0.857	CCVE	0.0221	0.0441	mg/kg dry	EPA 8270E	08/30/25 18:30
Naphthalene	0.177		0.0221	0.0441	mg/kg dry	EPA 8270E	08/30/25 18:30
Phenanthrene	0.520		0.0221	0.0441	mg/kg dry	EPA 8270E	08/30/25 18:30
Pyrene	2.22		0.111	0.221	mg/kg dry	EPA 8270E	09/02/25 14:34
* % Solids	91.7		0.100	0.100	%	SM 2540G	08/25/25 10:10
25H1535-08 - HVAC SW West 1-3							
Perfluorooctanesulfonic acid (PFOS)	0.569		0.0781	0.208	ug/kg dry	EPA 1633A	09/08/25 0:56
Aluminum	16500		4.66	4.66	mg/kg dry	EPA 6010D	08/27/25 12:14
Arsenic	2.71		1.40	1.40	mg/kg dry	EPA 6010D	08/27/25 12:14
Barium	120		2.33	2.33	mg/kg dry	EPA 6010D	08/27/25 12:14
Calcium	17600		4.66	4.66	mg/kg dry	EPA 6010D	08/27/25 12:14
Chromium	26.2		0.466	0.466	mg/kg dry	EPA 6010D	08/27/25 12:14
Cobalt	12.7		0.372	0.372	mg/kg dry	EPA 6010D	08/27/25 12:14

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25H1535-08 - HVAC SW West 1-3							
Copper	47.7		1.86	1.86	mg/kg dry	EPA 6010D	08/27/25 12:14
Iron	27000		23.3	23.3	mg/kg dry	EPA 6010D	08/27/25 12:14
Lead	8.61		0.466	0.466	mg/kg dry	EPA 6010D	08/27/25 12:14
Magnesium	9520		4.66	4.66	mg/kg dry	EPA 6010D	08/27/25 12:14
Manganese	444		0.466	0.466	mg/kg dry	EPA 6010D	08/27/25 12:14
Nickel	19.5		0.928	0.928	mg/kg dry	EPA 6010D	08/27/25 12:14
Potassium	5240		4.66	4.66	mg/kg dry	EPA 6010D	08/27/25 12:14
Sodium	626		46.6	46.6	mg/kg dry	EPA 6010D	08/27/25 12:14
Vanadium	53.0		0.928	0.928	mg/kg dry	EPA 6010D	08/27/25 12:14
Zinc	64.1		2.32	2.32	mg/kg dry	EPA 6010D	08/27/25 12:14
2-Methylnaphthalene	0.245		0.0466	0.0929	mg/kg dry	EPA 8270E	08/29/25 21:32
Acenaphthene	0.0973		0.0466	0.0929	mg/kg dry	EPA 8270E	08/29/25 21:32
Acenaphthylene	0.337		0.0466	0.0929	mg/kg dry	EPA 8270E	08/29/25 21:32
Anthracene	0.382		0.0466	0.0929	mg/kg dry	EPA 8270E	08/29/25 21:32
Benzo(a)anthracene	0.673		0.0466	0.0929	mg/kg dry	EPA 8270E	08/29/25 21:32
Benzo(a)pyrene	0.577	CCVE	0.0466	0.0929	mg/kg dry	EPA 8270E	08/29/25 21:32
Benzo(b)fluoranthene	0.339		0.0466	0.0929	mg/kg dry	EPA 8270E	08/29/25 21:32
Benzo(g,h,i)perylene	0.383	CCVE	0.0466	0.0929	mg/kg dry	EPA 8270E	08/29/25 21:32
Benzo(k)fluoranthene	0.411	CCVE	0.0466	0.0929	mg/kg dry	EPA 8270E	08/29/25 21:32
Chrysene	0.789		0.0466	0.0929	mg/kg dry	EPA 8270E	08/29/25 21:32
Dibenzo(a,h)anthracene	0.109	CCVE	0.0466	0.0929	mg/kg dry	EPA 8270E	08/29/25 21:32
Dibenzofuran	0.0535	J	0.0466	0.0929	mg/kg dry	EPA 8270E	08/29/25 21:32
Fluoranthene	0.744		0.0466	0.0929	mg/kg dry	EPA 8270E	08/29/25 21:32
Fluorene	0.281		0.0466	0.0929	mg/kg dry	EPA 8270E	08/29/25 21:32
Indeno(1,2,3-cd)pyrene	0.238	CCVE	0.0466	0.0929	mg/kg dry	EPA 8270E	08/29/25 21:32
Naphthalene	0.200		0.0466	0.0929	mg/kg dry	EPA 8270E	08/29/25 21:32
Phenanthrene	1.15		0.0466	0.0929	mg/kg dry	EPA 8270E	08/29/25 21:32
Pyrene	2.06		0.0466	0.0929	mg/kg dry	EPA 8270E	08/29/25 21:32
* % Solids	89.4		0.100	0.100	%	SM 2540G	08/25/25 10:10
25H1535-09 - HVAC Bottom 3 ft							
Perfluorohexanesulfonic acid (PFHxS)	0.116	J	0.0762	0.199	ug/kg dry	EPA 1633A	09/08/25 1:11
Perfluorooctanesulfonic acid (PFOS)	1.47		0.0762	0.202	ug/kg dry	EPA 1633A	09/08/25 1:11
Aluminum	15800		4.55	4.55	mg/kg dry	EPA 6010D	08/27/25 12:16
Arsenic	3.51		1.37	1.37	mg/kg dry	EPA 6010D	08/27/25 12:16
Barium	111		2.27	2.27	mg/kg dry	EPA 6010D	08/27/25 12:16
Calcium	14900		4.55	4.55	mg/kg dry	EPA 6010D	08/27/25 12:16
Chromium	25.5		0.456	0.456	mg/kg dry	EPA 6010D	08/27/25 12:16
Cobalt	11.5		0.364	0.364	mg/kg dry	EPA 6010D	08/27/25 12:16
Copper	32.6		1.82	1.82	mg/kg dry	EPA 6010D	08/27/25 12:16
Iron	24400		22.8	22.8	mg/kg dry	EPA 6010D	08/27/25 12:16
Lead	8.19		0.456	0.456	mg/kg dry	EPA 6010D	08/27/25 12:16
Magnesium	7140		4.56	4.56	mg/kg dry	EPA 6010D	08/27/25 12:16
Manganese	419		0.456	0.456	mg/kg dry	EPA 6010D	08/27/25 12:16
Nickel	18.3		0.907	0.907	mg/kg dry	EPA 6010D	08/27/25 12:16
Potassium	4200		4.56	4.56	mg/kg dry	EPA 6010D	08/27/25 12:16
Sodium	489		45.5	45.5	mg/kg dry	EPA 6010D	08/27/25 12:16
Vanadium	42.8		0.907	0.907	mg/kg dry	EPA 6010D	08/27/25 12:16
Zinc	60.1		2.27	2.27	mg/kg dry	EPA 6010D	08/27/25 12:16
Acetone	0.018	QL-02, CCVE, ICVE	0.0049	0.0098	mg/kg dry	EPA 8260D	08/23/25 10:21
2-Methylnaphthalene	0.0688	J	0.0449	0.0897	mg/kg dry	EPA 8270E	08/29/25 22:03
Acenaphthylene	0.303		0.0449	0.0897	mg/kg dry	EPA 8270E	08/29/25 22:03
Anthracene	0.273		0.0449	0.0897	mg/kg dry	EPA 8270E	08/29/25 22:03
Benzo(a)anthracene	0.495		0.0449	0.0897	mg/kg dry	EPA 8270E	08/29/25 22:03

Positive Hits Included in This Report

Work Order No: 25H1535

25H1535-09 - HVAC Bottom 3 ft							
Benzo(a)pyrene	0.477	CCVE	0.0449	0.0897	mg/kg dry	EPA 8270E	08/29/25 22:03
Benzo(b)fluoranthene	0.285		0.0449	0.0897	mg/kg dry	EPA 8270E	08/29/25 22:03
Benzo(g,h,i)perylene	0.328	CCVE	0.0449	0.0897	mg/kg dry	EPA 8270E	08/29/25 22:03
Benzo(k)fluoranthene	0.311	CCVE	0.0449	0.0897	mg/kg dry	EPA 8270E	08/29/25 22:03
Chrysene	0.559		0.0449	0.0897	mg/kg dry	EPA 8270E	08/29/25 22:03
Dibenzo(a,h)anthracene	0.0975	CCVE	0.0449	0.0897	mg/kg dry	EPA 8270E	08/29/25 22:03
Fluoranthene	0.436		0.0449	0.0897	mg/kg dry	EPA 8270E	08/29/25 22:03
Fluorene	0.0767	J	0.0449	0.0897	mg/kg dry	EPA 8270E	08/29/25 22:03
Indeno(1,2,3-cd)pyrene	0.194	CCVE	0.0449	0.0897	mg/kg dry	EPA 8270E	08/29/25 22:03
Naphthalene	0.0595	J	0.0449	0.0897	mg/kg dry	EPA 8270E	08/29/25 22:03
Phenanthrene	0.403		0.0449	0.0897	mg/kg dry	EPA 8270E	08/29/25 22:03
Pyrene	1.30		0.0449	0.0897	mg/kg dry	EPA 8270E	08/29/25 22:03
* % Solids	91.5		0.100	0.100	%	SM 2540G	08/25/25 10:10
25H1535-10 - HVAC DUP							
Perfluorohexanesulfonic acid (PFHxS)	0.0897	J	0.0786	0.205	ug/kg dry	EPA 1633A	09/08/25 1:57
Perfluorooctanesulfonic acid (PFOS)	1.27		0.0786	0.209	ug/kg dry	EPA 1633A	09/08/25 1:57
Aluminum	14800		4.69	4.69	mg/kg dry	EPA 6010D	08/27/25 12:27
Arsenic	3.30		1.41	1.41	mg/kg dry	EPA 6010D	08/27/25 12:27
Barium	107		2.34	2.34	mg/kg dry	EPA 6010D	08/27/25 12:27
Calcium	10900		4.69	4.69	mg/kg dry	EPA 6010D	08/27/25 12:27
Chromium	25.4		0.469	0.469	mg/kg dry	EPA 6010D	08/27/25 12:27
Cobalt	11.5		0.375	0.375	mg/kg dry	EPA 6010D	08/27/25 12:27
Copper	43.0		1.88	1.88	mg/kg dry	EPA 6010D	08/27/25 12:27
Iron	23600		23.4	23.4	mg/kg dry	EPA 6010D	08/27/25 12:27
Lead	9.87		0.469	0.469	mg/kg dry	EPA 6010D	08/27/25 12:27
Magnesium	6600		4.69	4.69	mg/kg dry	EPA 6010D	08/27/25 12:27
Manganese	446		0.469	0.469	mg/kg dry	EPA 6010D	08/27/25 12:27
Nickel	18.0		0.934	0.934	mg/kg dry	EPA 6010D	08/27/25 12:27
Potassium	3770		4.69	4.69	mg/kg dry	EPA 6010D	08/27/25 12:27
Sodium	347		46.9	46.9	mg/kg dry	EPA 6010D	08/27/25 12:27
Vanadium	44.5		0.934	0.934	mg/kg dry	EPA 6010D	08/27/25 12:27
Zinc	55.5		2.33	2.33	mg/kg dry	EPA 6010D	08/27/25 12:27
Acetone	0.031	QL-02, CCVE, ICVE	0.0058	0.012	mg/kg dry	EPA 8260D	08/23/25 11:43
2-Methylnaphthalene	0.178		0.0464	0.0926	mg/kg dry	EPA 8270E	08/28/25 0:44
Acenaphthylene	0.160		0.0464	0.0926	mg/kg dry	EPA 8270E	08/28/25 0:44
Anthracene	0.155		0.0464	0.0926	mg/kg dry	EPA 8270E	08/28/25 0:44
Benzo(a)anthracene	0.465		0.0464	0.0926	mg/kg dry	EPA 8270E	08/28/25 0:44
Benzo(a)pyrene	0.473		0.0464	0.0926	mg/kg dry	EPA 8270E	08/28/25 0:44
Benzo(b)fluoranthene	0.319		0.0464	0.0926	mg/kg dry	EPA 8270E	08/28/25 0:44
Benzo(g,h,i)perylene	0.353		0.0464	0.0926	mg/kg dry	EPA 8270E	08/28/25 0:44
Benzo(k)fluoranthene	0.309		0.0464	0.0926	mg/kg dry	EPA 8270E	08/28/25 0:44
Chrysene	0.525		0.0464	0.0926	mg/kg dry	EPA 8270E	08/28/25 0:44
Dibenzo(a,h)anthracene	0.0807	J	0.0464	0.0926	mg/kg dry	EPA 8270E	08/28/25 0:44
Fluoranthene	0.452		0.0464	0.0926	mg/kg dry	EPA 8270E	08/28/25 0:44
Fluorene	0.0748	J	0.0464	0.0926	mg/kg dry	EPA 8270E	08/28/25 0:44
Indeno(1,2,3-cd)pyrene	0.201		0.0464	0.0926	mg/kg dry	EPA 8270E	08/28/25 0:44
Naphthalene	0.233		0.0464	0.0926	mg/kg dry	EPA 8270E	08/28/25 0:44
Phenanthrene	0.301		0.0464	0.0926	mg/kg dry	EPA 8270E	08/28/25 0:44
Pyrene	0.983		0.0464	0.0926	mg/kg dry	EPA 8270E	08/28/25 0:44
* % Solids	88.9		0.100	0.100	%	SM 2540G	08/25/25 10:10
25H1535-11 - Trip Blank							
Acetone	1.69	J	1.34	2.00	ug/L	EPA 8260D	08/25/25 5:44

Positive Hits Included in This Report

Work Order No: 25H1535

25H1535-12 - Field Blank							
Chloroform	3.94		0.243	0.500	ug/L	EPA 8260D	08/26/25 4:43

Field Chain-of-Custody Record

ALS environmental

ALS' Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for ALS to proceed with the analyses requested below. Your signature binds you to ALS' Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | 56 Church Hill Rd. #2 Newtown, CT 06470 | 2161 Whitesville Rd Toms River, NJ 08755 | clientservices@yorklab.com | 800-306-YORK | 800-306-9675

ALS Project Number: 25H1535

Page 1 of 2

Report To:
Company: Tetra Tech
Address: Rocky Hill
Phone: (401) 660-8959
Contact:
E-mail: don.conway@tetratech.com

Invoice To:
Company: upload to CoStA
Address:
Phone:
Contact:
E-mail:

YOUR Project Name / Number: HPN HVAC T425706, 10.2

PO Number: Same as above

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

Samples Collected by: (print AND sign your name) Brendan McCabe (ALS)

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

Preservative (please list number of containers)

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

Analyses Requested

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

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

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

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

Sample Identification	Date	Time	Matrix	Grab or Comp G/C
HVAC SW North -S-1	8/21/25	1416	S	
HVAC SW South -S-1		1404	S	
HVAC SW East -S-1		1409	S	
HVAC SW West -S-1		1351	S	
HVAC SW North 1-3		1416		
HVAC SW South 1-3		1404		
HVAC SW East 1-3		1409		
HVAC SW West 1-3		1351		
HVAC Bottom 3'		1411		
HVAC DUP		1411		
HVAC MS				
HVAC MSD				

Comp Grab 3516

Field Filtered
Lab Filtered

Comments:

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

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

1. Samples Relinquished by / Company: Date/Time: 8/21/25 1755	1. Samples Received by / Company: Date/Time:	2. Samples Relinquished by / Company: Date/Time:
2. Samples Received by / Company: Date/Time:	3. Samples Relinquished by / Company: Date/Time:	3. Samples Received by / Company: Date/Time:
4. Samples Relinquished by / Company: Date/Time:	4. Samples Received by / Company: Date/Time:	Samples Received in LAB by: Date/Time: 8/21/25 1755 Temperature: 3.1 Degrees C

handwritten sample ID looks like .5 but logged in as S

Field Chain-of-Custody Record

ALS Project Number: 25H1535

Page 2 of 2

ALS' Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for ALS to proceed with the analyses requested below. Your signature binds you to ALS' Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | 56 Church Hill Rd. #2 Newtown, CT 06470 | 2161 Whitesville Rd Toms River, NJ 08755 | clientservices@yorklab.com | 800-306-YORK | 800-306-9675

Report To:	Invoice To:
Company:	Company:
Address:	Address:
Phone.:	Phone.:
Contact:	Contact:
E-mail:	E-mail:

YOUR Project Name / Number: HAN HVAC TA257006, 10.2

PO Number: as above

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

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

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

Samples Collected by: (print AND sign your name)

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

Preservative (please list number of containers)

Analyses Requested

Sample Identification	Date	Time	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO_3 (nitric acid)	H_2SO_4 (sulfuric acid)	NaOH (sodium hydroxide)	$Na_2S_2O_3$ (sodium thio.)	Trizma	Ammonium Acetate	Other:	VOC 8260	PFAS 1633	PFAS 1633												Grab or Comp. G/C
3517 Trip Blank (VOC only)														✓														
Field Blank	8/20/25	1430	Other											✓		✓												

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

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

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

- Field Filtered ☐
- Lab Filtered ☐

Comments:

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

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

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

1. Samples Relinquished by / Company	Date/Time 8/21/25 1755	4. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time 8/21/25 1755 Temperature 3.1 Degrees C

METHOD DETECTION AND REPORTING LIMITS

SM 2540G

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: Soil **Instrument:**

Analyte	LOD	LOQ	Units
% Solids	0.100	0.100	%

METHOD DETECTION AND REPORTING LIMITS

SM 2540G

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: Soil **Instrument:**

Analyte	LOD	LOQ	Units
% Solids	0.100	0.100	%

Sample Information

Client Sample ID: **HVAC SW North-S-1** **Sample ID:** **25H1535-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Miscellaneous Physical Parameters

Sample Prepared by Method: % Solids Prep

Results Reported to RL

% Solids: 90.33

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
solids	*** % Solids**	90.3		%	0.100	0.100	1	SM 2540G	08/25/2025 06:05	08/25/2025 10:10	SMM

Sample Information

Client Sample ID: **HVAC SW South-S-1** **Sample ID:** **25H1535-02**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

Miscellaneous Physical Parameters

Sample Prepared by Method: % Solids Prep | Results Reported to RL | % Solids: 90.34

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
solids	*** % Solids**	90.3		%	0.100	0.100	1	SM 2540G	08/25/2025 06:05	08/25/2025 10:10	SMM

Sample Information

Client Sample ID: **HVAC SW East-S-1** **Sample ID:** **25H1535-03**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Miscellaneous Physical Parameters

Sample Prepared by Method: % Solids Prep Results Reported to RL % Solids: 91.34

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
solids	* % Solids	91.3		%	0.100	0.100	1	SM 2540G	08/25/2025 06:05	08/25/2025 10:10	SMM

Sample Information

Client Sample ID: **HVAC SW West-S-1** **Sample ID:** **25H1535-04**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

Miscellaneous Physical Parameters

Sample Prepared by Method: % Solids Prep Results Reported to RL % Solids: 90.62

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
solids	* % Solids	90.6		%	0.100	0.100	1	SM 2540G	08/25/2025 06:05	08/25/2025 10:10	SMM

Sample Information

Client Sample ID: **HVAC SW North 1-3** **Sample ID:** **25H1535-05**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Miscellaneous Physical Parameters

Sample Prepared by Method: % Solids Prep

Results Reported to RL

% Solids: 89.62

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
solids	*** % Solids**	89.6		%	0.100	0.100	1	SM 2540G	08/25/2025 06:05	08/25/2025 10:10	SMM

Sample Information

Client Sample ID: **HVAC SW South 1-3** **Sample ID:** **25H1535-06**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

Miscellaneous Physical Parameters

Sample Prepared by Method: % Solids Prep Results Reported to RL % Solids: 92.50

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
solids	*** % Solids**	92.5		%	0.100	0.100	1	SM 2540G	08/25/2025 06:05	08/25/2025 10:10	SMM

Sample Information

Client Sample ID: **HVAC SW East 1-3** **Sample ID:** **25H1535-07**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Miscellaneous Physical Parameters

Sample Prepared by Method: % Solids Prep Results Reported to RL % Solids: 91.72

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
solids	*** % Solids**	91.7		%	0.100	0.100	1	SM 2540G	08/25/2025 06:05	08/25/2025 10:10	SMM

Sample Information

Client Sample ID: **HVAC SW West 1-3** **Sample ID:** **25H1535-08**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

Miscellaneous Physical Parameters

Sample Prepared by Method: % Solids Prep Results Reported to RL % Solids: 89.43

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
solids	*** % Solids**	89.4		%	0.100	0.100	1	SM 2540G	08/25/2025 06:05	08/25/2025 10:10	SMM

Sample Information

Client Sample ID: **HVAC Bottom 3 ft** **Sample ID:** **25H1535-09**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Miscellaneous Physical Parameters

Sample Prepared by Method: % Solids Prep Results Reported to RL % Solids: 91.50

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
solids	* % Solids	91.5		%	0.100	0.100	1	SM 2540G	08/25/2025 06:05	08/25/2025 10:10	SMM

Sample Information

Client Sample ID: **HVAC DUP** **Sample ID:** **25H1535-10**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Miscellaneous Physical Parameters

Sample Prepared by Method: % Solids Prep Results Reported to RL % Solids: 88.88

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
solids	*** % Solids**	88.9		%	0.100	0.100	1	SM 2540G	08/25/2025 06:05	08/25/2025 10:10	SMM

DUPLICATES

SM 2540G

HVAC Bottom 3 ft

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Matrix: Soil
Batch: BH51830
Preparation: % Solids Prep
Source Sample Name: HVAC Bottom 3 ft

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Laboratory ID: BH51830-DUP1
Lab Source ID: 25H1535-09
Initial/Final: 5 g / 5 g
% Solids: 91.50

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (%)	C	DUPLICATE CONCENTRATION (%)	C	RPD %	Q	METHOD
% Solids	20	91.5		90.6		0.980		SM 2540G

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

SM 2540G

Laboratory: ALS Environmental - Stratford SDG: 25H1535

Client: Terracon Consultants, Inc. Project: HPN HVAC J4257006, 10.2

Batch: BH51830 Batch Matrix: Soil Preparation: % Solids Prep

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC SW North-S-1	25H1535-01	ids_BH51830_2508250	08/25/25 06:05	
HVAC SW South-S-1	25H1535-02	ids_BH51830_2508250	08/25/25 06:05	
HVAC SW East-S-1	25H1535-03	ids_BH51830_2508250	08/25/25 06:05	
HVAC SW West-S-1	25H1535-04	ids_BH51830_2508250	08/25/25 06:05	
HVAC SW North 1-3	25H1535-05	ids_BH51830_2508250	08/25/25 06:05	
HVAC SW South 1-3	25H1535-06	ids_BH51830_2508250	08/25/25 06:05	
HVAC SW East 1-3	25H1535-07	ids_BH51830_2508250	08/25/25 06:05	
HVAC SW West 1-3	25H1535-08	ids_BH51830_2508250	08/25/25 06:05	
HVAC Bottom 3 ft	25H1535-09	ids_BH51830_2508250	08/25/25 06:05	
HVAC DUP	25H1535-10	ids_BH51830_2508250	08/25/25 06:05	
HVAC Bottom 3 ft	BH51830-DUP1	ids_BH51830_2508250	08/25/25 06:05	

BENCHSHEETS

SDG: 25H1735

CLASS: WETCAL

METHOD: SM 2540G

PREPARATION BENCH SHEET : BH51830

Preparation Date: 08/25/2025 06:05

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	g Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1535-01 A	Total Solids	5	5							104	104		
25H1535-02 A	Total Solids	5	5							104	104		
25H1535-03 A	Total Solids	5	5							104	104		
25H1535-04 A	Total Solids	5	5							104	104		
25H1535-05 A	Total Solids	5	5							104	104		
25H1535-06 A	Total Solids	5	5							104	104		
25H1535-07 A	Total Solids	5	5							104	104		
25H1535-08 A	Total Solids	5	5							104	104		
25H1535-09 E	Total Solids	5	5							104	104		
25H1535-10 E	Total Solids	5	5							104	104		
BH51830-DUP1	Total Solids	5	5					25H1535-09		104	104		

Preparations Performed by SMM **Date:** **08/25/2025 06:05**

Instrument NA

Batch: BH51830 Analyzed Date: 8/25/2025

Analyst: SMM Analyzed Time: 10:10

SAMP	QC Source	Tare Wt(g)	Initial Wt(g)	Final Wt(g)	%Solids
25H1517-01		1.3225	3.1566	3.0598	94.72220708
25H1517-04		1.3187	6.8677	6.434	92.18417733
25H1530-01		1.3179	5.214	5.137	98.02366469
25H1532-01		1.3357	9.5426	8.5999	88.51332415
25H1535-01		1.3166	7.6935	7.0766	90.32602048
25H1535-02		1.3201	12.3334	11.2691	90.33622983
25H1535-03		1.3089	5.7142	5.3325	91.33543686
25H1535-04	1.3134 on handwritten log	1.03134	6.918	6.3656	90.61607091
25H1535-05		1.3304	9.6139	8.7539	89.61791513
25H1535-06		1.3202	9.1488	8.5616	92.49929745
25H1535-07		1.329	7.0677	6.5925	91.71937895
25H1535-08		1.3241	8.7889	7.9998	89.42905369
25H1535-09	1.3207	1.207	11.239	10.386	91.49720893
BH51830-DUP1	Duplicate 25H1535-09	1.3103	9.3038	8.5528	90.60486645
25H1535-10		1.3319	8.4729	7.6785	88.87550763
25H1541-01		1.3334	8.8036	8.2476	92.55709352
25H1541-02		1.3271	9.4547	8.8708	92.81583739
25H1541-03		1.3205	7.4636	6.7817	88.89974117
25H1541-04		1.3284	15.2564	13.0868	84.42274555
25H1587-01		1.3079	13.8943	12.8369	91.59886862
25H1605-01		1.3154	14.4889	10.29413	68.15751319

90.14 %S

91.40 %S

BH51830

Analysis: Total Solids
SM 2540B

Batch: BH51830

Oven Temp: 104°

Analyst: AM
Analyzed Date: 8/25/25
Analyzed Time: 10:10 SM

SAMP	QC Source	Tare Wt(g)	Initial Wt(g)	Final Wt(g)
25H1517-01		1.3225	3.1566	3.0598
25H1517-04		1.3187	6.8677	6.4340
25H1530-01		1.3179	5.2140	5.1370
25H1532-01		1.3357	9.5426	8.5999
25H1535-01		1.3166	7.6935	7.0766
25H1535-02		1.3201	12.3334	11.2691
25H1535-03		1.3089	5.7142	5.3325
25H1535-04		1.3134	6.9180	6.3656
25H1535-05		1.3304	9.6139	8.7539
25H1535-06		1.3202	9.1488	8.5616
25H1535-07		1.3290	7.0677	6.5925
25H1535-08		1.3241	8.7889	7.9998
25H1535-09		1.3207	11.2390	10.3860
BH51830-DUP1	Duplicate 25H1535-09	1.3103	9.3038	8.5528
25H1535-10		1.3319	8.4729	7.6785
25H1541-01		1.3334	8.8036	8.2476
25H1541-02		1.3271	9.4547	8.8708
25H1541-03		1.3205	7.4636	6.7817
25H1541-04		1.3284	15.2564	13.0868
25H1587-01		1.3079	13.8943	12.8369
25H1605-01 W		1.3154	14.4889	10.2941

Analysis: Total Solids
SM 2540B

Batch: BH51830

Oven Temp: 104°

Analyst: AM

Analyzed Date: 8/25/25

Analyzed Time: 10:10 SH

SAMP	QC Source	Tare Wt(g)	Initial Wt(g)	Final Wt(g)
25H1517-01		1.3225	3.1566	3.0598
25H1517-04		1.3187	6.8677	6.4340
25H1530-01		1.3179	5.2140	5.1370
25H1532-01		1.3357	9.5426	8.5999
25H1535-01		1.3166	7.6935	7.0766
25H1535-02		1.3201	12.3334	11.2691
25H1535-03		1.3089	5.7142	5.3325
25H1535-04		1.3134	6.9180	6.3656
25H1535-05		1.3304	9.6139	8.7539
25H1535-06		1.3202	9.1488	8.5616
25H1535-07		1.3290	7.0677	6.5925
25H1535-08		1.3241	8.7889	7.9998
25H1535-09		1.3207	11.2390	10.3860
BH51830-DUP1	Duplicate 25H1535-09	1.3103	9.3038	8.5528
25H1535-10		1.3319	8.4729	7.6785
25H1541-01		1.3334	8.8036	8.2476
25H1541-02		1.3271	9.4547	8.8708
25H1541-03		1.3205	7.4636	6.7817
25H1541-04		1.3284	15.2564	13.0868
25H1587-01		1.3079	13.8943	12.8369
25H1605-01 W		1.3154	14.4889	10.2941

METHOD DETECTION AND REPORTING LIMITS

EPA 8270E SIM

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: Soil **Instrument:** BNA #3

Analyte	LOD	LOQ	Units
1,4-Dioxane	3.70	20.0	ug/kg



Sample Information

Client Sample ID: **HVAC SW North 1-3** **Sample ID: 25H1535-05**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS/SIM

Sample Prepared by Method: EPA 3550C

Results Reported to RL

% Solids: 89.62

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270E SIM	08/23/2025 07:10	08/26/2025 15:17	ss
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*76.0 %*			*39-127.5*					

extract within 14

analyze within 40

Sample Information

Client Sample ID: **HVAC SW South 1-3** **Sample ID: 25H1535-06**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS/SIM

Sample Prepared by Method: EPA 3550C

Results Reported to RL

% Solids: 92.50

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270E SIM	08/23/2025 07:10	08/26/2025 20:53	ss
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*110 %*			*39-127.5*					

Sample Information

Client Sample ID: **HVAC SW East 1-3** **Sample ID: 25H1535-07**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS/SIM

Sample Prepared by Method: EPA 3550C

Results Reported to RL

% Solids: 91.72

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270E SIM	08/23/2025 07:10	08/26/2025 21:09	ss
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*58.0 %*			*39-127.5*					

Sample Information

Client Sample ID: **HVAC SW West 1-3** **Sample ID: 25H1535-08**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS/SIM

Sample Prepared by Method: EPA 3550C

Results Reported to RL

% Solids: 89.43

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270E SIM	08/23/2025 07:10	08/26/2025 21:24	ss
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*66.0 %*			*39-127.5*					

Sample Information

Client Sample ID: **HVAC Bottom 3 ft** **Sample ID: 25H1535-09**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS/SIM

Sample Prepared by Method: EPA 3550C

Results Reported to RL

% Solids: 91.50

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270E SIM	08/23/2025 07:10	08/26/2025 21:40	ss
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*74.0 %*			*39-127.5*					

Sample Information

Client Sample ID: **HVAC DUP** **Sample ID: 25H1535-10**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS/SIM

Sample Prepared by Method: EPA 3550C

Results Reported to RL

% Solids: 88.88

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270E SIM	08/23/2025 07:10	08/26/2025 21:55	ss
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*90.0 %*			*39-127.5*					

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2625	Instrument:	BNA #3
Batch:	BH51804	Calibration:	SJ50036

Surrogate Compound	Spike Level ug/kg	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (BH51804-BLK1) no qual QC sample			Lab File ID: SV308576.D		Analyzed: 08/26/25 12:55			
1,4-Dioxane-d8	500	130	39 - 127.5	4.592	4.59625	-0.0043	+/-0.50	*
LCS (BH51804-BS1)			Lab File ID: SV308577.D		Analyzed: 08/26/25 13:12			
1,4-Dioxane-d8	500	86.0	39 - 127.5	4.597	4.59625	0.0008	+/-0.50	
Matrix Spike (BH51804-MS1)			Lab File ID: SV308578.D		Analyzed: 08/26/25 13:27			
1,4-Dioxane-d8	500	106	40 - 130	4.593	4.59625	-0.0033	+/-0.50	
Matrix Spike Dup (BH51804-MSD1)			Lab File ID: SV308579.D		Analyzed: 08/26/25 13:43			
1,4-Dioxane-d8	500	90.0	40 - 130	4.598	4.59625	0.0017	+/-0.50	
HVAC SW North 1-3 (25H1535-05)			Lab File ID: SV308585.D		Analyzed: 08/26/25 15:17			
1,4-Dioxane-d8	485	76.0	39 - 127.5	4.609	4.59625	0.0127	+/-0.50	
HVAC SW South 1-3 (25H1535-06)			Lab File ID: SV308602.D		Analyzed: 08/26/25 20:53			
1,4-Dioxane-d8	485	110	39 - 127.5	4.597	4.59625	0.0008	+/-0.50	
HVAC SW East 1-3 (25H1535-07)			Lab File ID: SV308603.D		Analyzed: 08/26/25 21:09			
1,4-Dioxane-d8	485	58.0	39 - 127.5	4.603	4.59625	0.0067	+/-0.50	
HVAC SW West 1-3 (25H1535-08)			Lab File ID: SV308604.D		Analyzed: 08/26/25 21:24			
1,4-Dioxane-d8	485	66.0	39 - 127.5	4.605	4.59625	0.0088	+/-0.50	
HVAC Bottom 3 ft (25H1535-09)			Lab File ID: SV308605.D		Analyzed: 08/26/25 21:40			
1,4-Dioxane-d8	485	74.0	39 - 127.5	4.603	4.59625	0.0067	+/-0.50	
HVAC DUP (25H1535-10)			Lab File ID: SV308606.D		Analyzed: 08/26/25 21:55			
1,4-Dioxane-d8	485	90.0	39 - 127.5	4.602	4.59625	0.0057	+/-0.50	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270E SIM

HVAC Bottom 3 ft

evaluated for qualification only

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51804	Laboratory ID:	BH51804-MS1
Preparation:	EPA 3550C	Initial/Final:	10 g / 10 mL

Source Sample Name: 25H1535-09

COMPOUND	SPIKE ADDED (ug/mL)	SAMPLE CONCENTRATION (ug/mL)	MS CONCENTRATION (ug/mL)	MS % REC. #	QC LIMITS REC.	Q
1,4-Dioxane	500	ND	509	102	40 - 130	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270E SIM

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51804	Laboratory ID:	BH51804-MSD1
Preparation:	EPA 3550C	Initial/Final:	10 g / 10 mL

Source Sample Name: 25H1535-09

COMPOUND	SPIKE ADDED (ug/mL)	MSD CONCENTRATION (ug/mL)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
1,4-Dioxane	500	500	100	1.78	30	40 - 130	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51804	Laboratory ID:	BH51804-BS1
Preparation:	EPA 3550C	Initial/Final:	10 g / 10 mL

COMPOUND	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC. #	QC LIMITS REC.	Q
1,4-Dioxane	500	442	88.4	40 - 130	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8270E SIM

Laboratory: ALS Environmental - Stratford SDG: 25H1535

Client: Terracon Consultants, Inc. Project: HPN HVAC J4257006, 10.2

Batch: BH51804 Batch Matrix: Soil Preparation: EPA 3550C

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC SW North 1-3	25H1535-05	SV308585.D	08/23/25 07:10	ROCKY
HVAC SW South 1-3	25H1535-06	SV308602.D	08/23/25 07:10	ROCKY
HVAC SW East 1-3	25H1535-07	SV308603.D	08/23/25 07:10	ROCKY
HVAC SW West 1-3	25H1535-08	SV308604.D	08/23/25 07:10	ROCKY
HVAC Bottom 3 ft	25H1535-09	SV308605.D	08/23/25 07:10	ROCKY
HVAC DUP	25H1535-10	SV308606.D	08/23/25 07:10	ROCKY
Blank	BH51804-BLK1	SV308576.D	08/23/25 08:38	
LCS	BH51804-BS1	SV308577.D	08/23/25 08:38	
HVAC Bottom 3 ft	BH51804-MS1	SV308578.D	08/23/25 08:38	
HVAC Bottom 3 ft	BH51804-MSD1	SV308579.D	08/23/25 08:38	



FORM I

CLEAN BLANK

METHOD BLANK DATA SHEET
EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51804-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SJ50036
Preparation:	EPA 3550C	Prepared:	08/23/25 08:38	File ID:	SV308576.D
Instrument:	BNA #3	Analyzed:	08/26/25 12:55	Initial/Final:	10 g / 10 mL
Batch:	BH51804	Sequence:	S5H2625	Matrix:	Soil

Analyzed by: **ALS Environmental - Stratford**

Semivolatile Organic Compounds by GC/MS/SIM
Sample Prepared by Method: EPA 3550C

Results Reported to RL

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	20.0	1	EPA 8270E SIM	08/23/25 08:38	08/26/25 12:55	

	Surrogate Recoveries	Result		Acceptance Range
17647-74-4	1,4-Dioxane-d8	*130 %*	S-HI	*39-127.5*

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1735
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Lab File ID:	SV308223a.D	Injection Date:	08/13/25
Instrument ID:	BNA #3	Injection Time:	17:02
Sequence:	S5H1422	Lab Sample ID:	S5H1422-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10 - 80% of 198	39.6	PASS
68	Less than 2% of 69	1.75	PASS
69	Less than 100% of 198	43.5	PASS
70	Less than 2% of 69	0.408	PASS
127	10 - 80% of 198	59	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.84	PASS
275	10 - 60% of 198	25.3	PASS
365	1 - 100% of 198	3.26	PASS
441	0.01 - 24% of 442	15.8	PASS
442	50 - 100% of 198	98.7	PASS
443	15 - 24% of 442	19.7	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1735
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Lab File ID:	SV308574.D	Injection Date:	08/26/25
Instrument ID:	BNA #3	Injection Time:	11:47
Sequence:	S5H2625	Lab Sample ID:	S5H2625-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10 - 80% of 198	23.9	PASS
68	Less than 2% of 69	0	PASS
69	Less than 100% of 198	29.8	PASS
70	Less than 2% of 69	0.466	PASS
127	10 - 80% of 198	44.2	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.83	PASS
275	10 - 60% of 198	31.1	PASS
365	1 - 100% of 198	4.07	PASS
441	0.01 - 24% of 442	15.2	PASS
442	50 - 100% of 198	176	FAIL
443	15 - 24% of 442	19.5	PASS

Samples qualified UR:TN

this tune report also applies to 25H1732

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H1422	Instrument:	BNA #3
		Calibration:	SJ50036

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H1422-TUN1	SV308223a.D	08/13/25 17:02
Cal Standard	S5H1422-CAL1	SV308227a.D	08/13/25 19:05
Cal Standard	S5H1422-CAL2	SV308228a.D	08/13/25 19:23
Cal Standard	S5H1422-CAL3	SV308229a.D	08/13/25 19:41
Cal Standard	S5H1422-CAL4	SV308230a.D	08/13/25 19:58
Cal Standard	S5H1422-CAL5	SV308231a.D	08/13/25 20:15
Cal Standard	S5H1422-CAL6	SV308232a.D	08/13/25 20:33
Cal Standard	S5H1422-CAL7	SV308233a.D	08/13/25 20:50
Cal Standard	S5H1422-CAL8	SV308234a.D	08/13/25 21:07
Secondary Cal Check	S5H1422-SCV1	SV308235a.D	08/13/25 21:24

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2625	Instrument:	BNA #3
		Calibration:	SJ50036

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H2625-TUN1	SV308574.D	08/26/25 11:47
Calibration Check	S5H2625-CCV1	SV308575.D	08/26/25 12:26
Blank	BH51804-BLK1	SV308576.D	08/26/25 12:55
LCS	BH51804-BS1	SV308577.D	08/26/25 13:12
HVAC Bottom 3 ft	BH51804-MS1	SV308578.D	08/26/25 13:27
HVAC Bottom 3 ft	BH51804-MSD1	SV308579.D	08/26/25 13:43
HVAC SW North 1-3	25H1535-05	SV308585.D	08/26/25 15:17
Calibration Check	S5H2625-CCV2	SV308586.D	08/26/25 15:33



FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2701	Instrument:	BNA #3
		Calibration:	SJ50036

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	S5H2701-CCV1	SV308601a.D	08/26/25 20:37
HVAC SW South 1-3	25H1535-06	SV308602.D	08/26/25 20:53
HVAC SW East 1-3	25H1535-07	SV308603.D	08/26/25 21:09
HVAC SW West 1-3	25H1535-08	SV308604.D	08/26/25 21:24
HVAC Bottom 3 ft	25H1535-09	SV308605.D	08/26/25 21:40
HVAC DUP	25H1535-10	SV308606.D	08/26/25 21:55
Calibration Check	S5H2701-CCV2	SV308623a.D	08/27/25 02:22

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E SIM

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H1422

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: BNA #3
Calibration: SJ50036

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H1422-CAL1)			Lab File ID: SV308227a.D			Analyzed: 08/13/25 19:05			
1,2-Dichlorobenzene-d4	931720	7.551	1037387	7.551	90	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1422-CAL2)			Lab File ID: SV308228a.D			Analyzed: 08/13/25 19:23			
1,2-Dichlorobenzene-d4	1036530	7.552	1037387	7.551	100	50 - 200	0.0010	+/-0.50	
Cal Standard (S5H1422-CAL3)			Lab File ID: SV308229a.D			Analyzed: 08/13/25 19:41			
1,2-Dichlorobenzene-d4	1254692	7.551	1037387	7.551	121	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1422-CAL4)			Lab File ID: SV308230a.D			Analyzed: 08/13/25 19:58			
1,2-Dichlorobenzene-d4	1342685	7.55	1037387	7.551	129	50 - 200	-0.0010	+/-0.50	
Cal Standard (S5H1422-CAL5)			Lab File ID: SV308231a.D			Analyzed: 08/13/25 20:15			
1,2-Dichlorobenzene-d4	1037387	7.551	1037387	7.551	100	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1422-CAL6)			Lab File ID: SV308232a.D			Analyzed: 08/13/25 20:33			
1,2-Dichlorobenzene-d4	985978	7.55	1037387	7.551	95	50 - 200	-0.0010	+/-0.50	
Cal Standard (S5H1422-CAL7)			Lab File ID: SV308233a.D			Analyzed: 08/13/25 20:50			
1,2-Dichlorobenzene-d4	1140043	7.546	1037387	7.551	110	50 - 200	-0.0050	+/-0.50	
Cal Standard (S5H1422-CAL8)			Lab File ID: SV308234a.D			Analyzed: 08/13/25 21:07			
1,2-Dichlorobenzene-d4	1174136	7.55	1037387	7.551	113	50 - 200	-0.0010	+/-0.50	
Secondary Cal Check (S5H1422-SCV1)			Lab File ID: SV308235a.D			Analyzed: 08/13/25 21:24			
1,2-Dichlorobenzene-d4	969862	7.546	1037387	7.551	93	50 - 200	-0.0050	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E SIM

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2625

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: BNA #3
Calibration: SJ50036

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5H2625-CCV1)			Lab File ID: SV308575.D			Analyzed: 08/26/25 12:26			
1,2-Dichlorobenzene-d4	778573	7.546	1037387	7.551	75	50 - 200	-0.0050	+/-0.50	
Blank (BH51804-BLK1)			Lab File ID: SV308576.D			Analyzed: 08/26/25 12:55			
1,2-Dichlorobenzene-d4	664157	7.547	778573	7.546	85	50 - 200	0.0010	+/-0.50	
LCS (BH51804-BS1)			Lab File ID: SV308577.D			Analyzed: 08/26/25 13:12			
1,2-Dichlorobenzene-d4	936105	7.544	778573	7.546	120	50 - 200	-0.0020	+/-0.50	
Matrix Spike (BH51804-MS1)			Lab File ID: SV308578.D			Analyzed: 08/26/25 13:27			
1,2-Dichlorobenzene-d4	1005917	7.543	778573	7.546	129	50 - 200	-0.0030	+/-0.50	
Matrix Spike Dup (BH51804-MSD1)			Lab File ID: SV308579.D			Analyzed: 08/26/25 13:43			
1,2-Dichlorobenzene-d4	975075	7.542	778573	7.546	125	50 - 200	-0.0040	+/-0.50	
HVAC SW North 1-3 (25H1535-05)			Lab File ID: SV308585.D			Analyzed: 08/26/25 15:17			
1,2-Dichlorobenzene-d4	1147547	7.541	778573	7.546	147	50 - 200	-0.0050	+/-0.50	
Calibration Check (S5H2625-CCV2)			Lab File ID: SV308586.D			Analyzed: 08/26/25 15:33			
1,2-Dichlorobenzene-d4	1250563	7.54	778573	7.546	161	50 - 200	-0.0060	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E SIM

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2701

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: BNA #3
Calibration: SJ50036

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5H2701-CCV1)			Lab File ID: SV308601a.D			Analyzed: 08/26/25 20:37			
1,2-Dichlorobenzene-d4	874879	7.544	1037387	7.551	84	50 - 200	-0.0070	+/-0.50	
HVAC SW South 1-3 (25H1535-06)			Lab File ID: SV308602.D			Analyzed: 08/26/25 20:53			
1,2-Dichlorobenzene-d4	730254	7.544	874879	7.544	83	50 - 200	0.0000	+/-0.50	
HVAC SW East 1-3 (25H1535-07)			Lab File ID: SV308603.D			Analyzed: 08/26/25 21:09			
1,2-Dichlorobenzene-d4	940305	7.542	874879	7.544	107	50 - 200	-0.0020	+/-0.50	
HVAC SW West 1-3 (25H1535-08)			Lab File ID: SV308604.D			Analyzed: 08/26/25 21:24			
1,2-Dichlorobenzene-d4	1220131	7.541	874879	7.544	139	50 - 200	-0.0030	+/-0.50	
HVAC Bottom 3 ft (25H1535-09)			Lab File ID: SV308605.D			Analyzed: 08/26/25 21:40			
1,2-Dichlorobenzene-d4	1212465	7.541	874879	7.544	139	50 - 200	-0.0030	+/-0.50	
HVAC DUP (25H1535-10)			Lab File ID: SV308606.D			Analyzed: 08/26/25 21:55			
1,2-Dichlorobenzene-d4	1018702	7.541	874879	7.544	116	50 - 200	-0.0030	+/-0.50	
Calibration Check (S5H2701-CCV2)			Lab File ID: SV308623a.D			Analyzed: 08/27/25 02:22			
1,2-Dichlorobenzene-d4	1113436	7.541	874879	7.544	127	50 - 200	-0.0030	+/-0.50	

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E SIM

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SJ50036

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA #3

Calibration Date: 08/13/25 12:01

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
1,4-Dioxane	0.02	0.1728792	0.05	0.1402275	0.1	0.1218307	0.25	0.1306933	0.5	0.2180334	1	0.2246475
1,4-Dioxane-d8	0.02	0.3190068	0.05	0.2412665	0.1	0.1948446	0.25	0.2152433	0.5	0.4061869	1	0.4126725

Validated in 25H1532

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Calibration:	SJ50036	Instrument:	BNA #3
		Calibration Date:	08/13/25 12:01

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
1,4-Dioxane	2	0.2060444	5	0.2049723								
1,4-Dioxane-d8	2	0.3816481	5	0.3767472								

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270E SIM

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SJ50036
Instrument: BNA #3
Calibration Date: 08/13/25 12:01

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dioxane	0.177416	23.46891	4.64225	0.4378468		0.9991325	0.99	
1,4-Dioxane-d8	0.318452	28.05052	4.59625	0.4890038		0.9989526	0.99	

equation not provided

provided in Rev 2

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E SIM

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SJ50036
Laboratory ID: S5H1422-SCV1
Sequence: S5H1422
Standard ID: S24C028

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
1,4-Dioxane	0.500	0.570	14.0	20.00
1,4-Dioxane-d8	0.500	0.550	10.0	20.00

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA #3	Calibration:	SJ50036
Lab File ID:	SV308575.D	Calibration Date:	08/13/25 12:01
Sequence:	S5H2625	Injection Date:	08/26/25
Lab Sample ID:	S5H2625-CCV1	Injection Time:	12:26

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dioxane	A	0.500	0.540	0.177416	0.2258491		8.0	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA #3	Calibration:	SJ50036
Lab File ID:	SV308586.D	Calibration Date:	08/13/25 12:01
Sequence:	S5H2625	Injection Date:	08/26/25
Lab Sample ID:	S5H2625-CCV2	Injection Time:	15:33

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dioxane	A	0.500	0.400	0.177416	0.1703313		-20.0	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA #3	Calibration:	SJ50036
Lab File ID:	SV308601a.D	Calibration Date:	08/13/25 12:01
Sequence:	S5H2701	Injection Date:	08/26/25
Lab Sample ID:	S5H2701-CCV1	Injection Time:	20:37

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
1,4-Dioxane	A	0.500	0.490	0.177416	0.2047735		-2.0	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E SIM

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA #3	Calibration:	SJ50036
Lab File ID:	SV308623a.D	Calibration Date:	08/13/25 12:01
Sequence:	S5H2701	Injection Date:	08/27/25
Lab Sample ID:	S5H2701-CCV2	Injection Time:	02:22

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
1,4-Dioxane	A	0.500	0.410	0.177416	0.1724069		-18.0	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

BENCHSHEETS

SDG: 25H1735

CLASS: SVOA SIM

METHOD: EPA 8270E SIM

PREPARATION BENCH SHEET : BH51804

Preparation Date: 08/23/2025 07:10

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1535-05 A	Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil	10.3	10										ROCKY
25H1535-06 A	Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil	10.3	10										ROCKY
25H1535-07 A	Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil	10.3	10										ROCKY
25H1535-08 A	Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil	10.3	10										ROCKY
25H1535-09 E	Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil	10.3	10										ROCKY
25H1535-10 E	Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil	10.3	10										ROCKY
BH51804-BLK1	Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil	10	10										
BH51804-BS1	Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil	10	10	S25H256	100								
BH51804-MS1	Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil	10	10	S25H256	100			25H1535-09					
BH51804-MSD1	Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil	10	10	S25H256	100			25H1535-09					

Reagent

Standard/Reagent ID	Description	LotNum
S25E088	ACETONE	25A1862002
S25E237	Methylene Chloride OPTIMA	246557
S25H070	Baked Sodium Sulfate	502210

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25H256	BNA-1,4-Dioxane Spike -SOIL @50ug/ml	02212025	100

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25G444	EXT- 1,4-Dioxane-d8 SURROGATE - SOIL @ 50ug/ml	03122025	100

Preparations Performed by Alexander Fernandes **Date:** **07/24/2025 15:16**

SOIL 1,4-Dioxane 8270 SIM Isotope Dilution Factored Data

Prep Batch No. BH51804

Sample ID	Enter 1,4-Dioxane-d8 found, ug/mL	*Dilution Adjusted* 1,4-Dioxane-d8 found, ug/mL	Enter 1,4-Dioxane Detected, ug/mL	Enter into Element 1,4-Dioxane ug/ml, Corrected	Dilution Factor	SURR, %R
	SURROGATE	SURROGATE				
BH51804-BLK1	0.65	0.65		0.000	1.000	130.0
BH51804-BS1	0.43	0.43	0.38	0.442	1.000	86.0
BH51805-MS1	0.53	0.53	0.54	0.509	1.000	106.0
BH51805-MSD1	0.45	0.45	0.45	0.500	1.000	90.0
25H1175-01	0.34	0.34		0.000	1.000	68.0
25H1175-04	0.46	0.46		0.000	1.000	92.0
25H1175-07	0.25	0.25		0.000	1.000	50.0
25H1418-01	0.35	0.35		0.000	1.000	70.0
25H1532-01	0.47	0.47		0.000	1.000	94.0
25H1535-05	0.38	0.38		0.000	1.000	76.0
25H1535-06	0.55	0.55		0.000	1.000	110.0
25H1535-07	0.29	0.29		0.000	1.000	58.0
25H1535-08	0.33	0.33		0.000	1.000	66.0
25H1535-09	0.37	0.37		0.000	1.000	74.0
25H1535-10	0.45	0.45		0.000	1.000	90.0

no adjustment client samples

METHOD DETECTION AND REPORTING LIMITS

EPA 8082A

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: Soil **Instrument:** GCECD6

Analyte	LOD	LOQ	Units
Aroclor 1016	0.0167	0.0167	mg/kg
Aroclor 1016 [2C]	0.0167	0.0167	mg/kg
Aroclor 1221	0.0167	0.0167	mg/kg
Aroclor 1221 [2C]	0.0167	0.0167	mg/kg
Aroclor 1232	0.0167	0.0167	mg/kg
Aroclor 1232 [2C]	0.0167	0.0167	mg/kg
Aroclor 1242	0.0167	0.0167	mg/kg
Aroclor 1242 [2C]	0.0167	0.0167	mg/kg
Aroclor 1248	0.0167	0.0167	mg/kg
Aroclor 1248 [2C]	0.0167	0.0167	mg/kg
Aroclor 1254	0.0167	0.0167	mg/kg
Aroclor 1254 [2C]	0.0167	0.0167	mg/kg
Aroclor 1260	0.0167	0.0167	mg/kg
Aroclor 1260 [2C]	0.0167	0.0167	mg/kg
Aroclor 1262	0.0167	0.0167	mg/kg
Aroclor 1262 [2C]	0.0167	0.0167	mg/kg
Aroclor 1268	0.0167	0.0167	mg/kg
Aroclor 1268 [2C]	0.0167	0.0167	mg/kg
Total PCBs	0.0167	0.0167	mg/kg
Total PCBs [2C]	0.0167	0.0167	mg/kg



Sample Information

Client Sample ID: **HVAC SW North 1-3** **Sample ID: 25H1535-05**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Polychlorinated Biphenyls by GC/ECD

Sample Prepared by Method: EPA 3550C | Results Reported to RL | % Solids: 89.62

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:30	SCB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:30	SCB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:30	SCB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:30	SCB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:30	SCB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:30	SCB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:30	SCB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:30	SCB
2051-24-3	*Surrogate: Decachlorobiphenyl*	*56.5 %*			*30-120*					
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*81.5 %*			*30-120*					

Sample Information

Client Sample ID: **HVAC SW South 1-3** **Sample ID: 25H1535-06**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

Polychlorinated Biphenyls by GC/ECD

Sample Prepared by Method: EPA 3550C

Results Reported to RL

% Solids: 92.50

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:44	SCB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:44	SCB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:44	SCB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:44	SCB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:44	SCB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:44	SCB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:44	SCB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:44	SCB
2051-24-3	*Surrogate: Decachlorobiphenyl*	*53.0 %*			*30-120*					
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*82.0 %*			*30-120*					

Sample Information

Client Sample ID: **HVAC SW East 1-3** **Sample ID: 25H1535-07**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Polychlorinated Biphenyls by GC/ECD

Sample Prepared by Method: EPA 3550C | Results Reported to RL | % Solids: 91.72

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0179	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:58	SCB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:58	SCB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:58	SCB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:58	SCB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:58	SCB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0179	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:58	SCB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:58	SCB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	1	EPA 8082A	08/24/2025 07:50	08/25/2025 19:58	SCB
2051-24-3	*Surrogate: Decachlorobiphenyl*	*47.5 %*			*30-120*					
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*75.5 %*			*30-120*					

Sample Information

Client Sample ID: **HVAC SW West 1-3** **Sample ID: 25H1535-08**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

Polychlorinated Biphenyls by GC/ECD

Sample Prepared by Method: EPA 3550C

Results Reported to RL

% Solids: 89.43

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:11	SCB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:11	SCB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:11	SCB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:11	SCB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:11	SCB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:11	SCB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:11	SCB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:11	SCB
2051-24-3	*Surrogate: Decachlorobiphenyl*	*43.5 %*			*30-120*					
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*58.0 %*			*30-120*					

Sample Information

Client Sample ID: **HVAC Bottom 3 ft** **Sample ID: 25H1535-09**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Polychlorinated Biphenyls by GC/ECD

Sample Prepared by Method: EPA 3550C

Results Reported to RL

% Solids: 91.50

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:25	SCB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:25	SCB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:25	SCB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:25	SCB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:25	SCB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:25	SCB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:25	SCB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:25	SCB
2051-24-3	*Surrogate: Decachlorobiphenyl*	*50.5 %*			*30-120*					
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*84.5 %*			*30-120*					

Sample Information

Client Sample ID: **HVAC DUP** **Sample ID: 25H1535-10**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Polychlorinated Biphenyls by GC/ECD

Sample Prepared by Method: EPA 3550C | Results Reported to RL | % Solids: 88.88

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:38	SCB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:38	SCB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:38	SCB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:38	SCB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:38	SCB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:38	SCB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:38	SCB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	1	EPA 8082A	08/24/2025 07:50	08/25/2025 20:38	SCB
2051-24-3	*Surrogate: Decachlorobiphenyl*	*50.0 %*			*30-120*					
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*77.0 %*			*30-120*					

SECOND COLUMN ANALYSIS DATA SHEET

HVAC SW North 1-3

Laboratory:	ALS Environmental - Stratford			SDG:	25H1735
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	25H1535-05	File ID:	P600436002.D
Sampled:	08/20/25 14:16	Prepared:	08/24/25 07:50	Analyzed:	08/25/25 19:30
Solids:	89.62	Preparation:	EPA 3550C	Initial/Final:	30.5 g / 10 mL
Batch:	BH51815	Sequence:	S5H2537	Calibration:	SH50018
Instrument:	GCECD6				

CAS NO.	COMPOUND	DILUTION	COL 1 (mg/kg dry)	COL 2 (mg/kg dry)	% Diff	Q
12674-11-2	Aroclor 1016	1	0.0183	0.0183		U
11104-28-2	Aroclor 1221	1	0.0183	0.0183		U
11141-16-5	Aroclor 1232	1	0.0183	0.0183		U
53469-21-9	Aroclor 1242	1	0.0183	0.0183		U
12672-29-6	Aroclor 1248	1	0.0183	0.0183		U
11097-69-1	Aroclor 1254	1	0.0183	0.0183		U
11096-82-5	Aroclor 1260	1	0.0183	0.0183		U
1336-36-3	Total PCBs	1	0.0183	0.0183		U

SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
Tetrachloro-m-xylene	0.0732	0.0596	81.5	30 - 120	
Decachlorobiphenyl	0.0732	0.0413	56.5	30 - 120	

* Values outside of QC limits

SECOND COLUMN ANALYSIS DATA SHEET

HVAC SW South 1-3

Laboratory: ALS Environmental - Stratford | SDG: 25H1735

Client: Terracon Consultants, Inc. | Project: HPN HVAC J4257006, 10.2

Matrix: Soil | Laboratory ID: 25H1535-06 | File ID: P600436003.D

Sampled: 08/20/25 14:04 | Prepared: 08/24/25 07:50 | Analyzed: 08/25/25 19:44

Solids: 92.50 | Preparation: EPA 3550C | Initial/Final: 30.3 g / 10 mL

Batch: BH51815 | Sequence: S5H2537 | Calibration: SH50018 | Instrument: GCECD6

CAS NO.	COMPOUND	DILUTION	COL 1 (mg/kg dry)	COL 2 (mg/kg dry)	% Diff	Q
12674-11-2	Aroclor 1016	1	0.0178	0.0178		U
11104-28-2	Aroclor 1221	1	0.0178	0.0178		U
11141-16-5	Aroclor 1232	1	0.0178	0.0178		U
53469-21-9	Aroclor 1242	1	0.0178	0.0178		U
12672-29-6	Aroclor 1248	1	0.0178	0.0178		U
11097-69-1	Aroclor 1254	1	0.0178	0.0178		U
11096-82-5	Aroclor 1260	1	0.0178	0.0178		U
1336-36-3	Total PCBs	1	0.0178	0.0178		U

SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
Tetrachloro-m-xylene	0.0714	0.0585	82.0	30 - 120	
Decachlorobiphenyl	0.0714	0.0378	53.0	30 - 120	

* Values outside of QC limits

SECOND COLUMN ANALYSIS DATA SHEET

HVAC SW East 1-3

Laboratory: ALS Environmental - Stratford | SDG: 25H1735

Client: Terracon Consultants, Inc. | Project: HPN HVAC J4257006, 10.2

Matrix: Soil | Laboratory ID: 25H1535-07 | File ID: P600436004.D

Sampled: 08/20/25 14:09 | Prepared: 08/24/25 07:50 | Analyzed: 08/25/25 19:58

Solids: 91.72 | Preparation: EPA 3550C | Initial/Final: 30.5 g / 10 mL

Batch: BH51815 | Sequence: S5H2537 | Calibration: SH50018 | Instrument: GCECD6

CAS NO.	COMPOUND	DILUTION	COL 1 (mg/kg dry)	COL 2 (mg/kg dry)	% Diff	Q
12674-11-2	Aroclor 1016	1	0.0179	0.0179		U
11104-28-2	Aroclor 1221	1	0.0179	0.0179		U
11141-16-5	Aroclor 1232	1	0.0179	0.0179		U
53469-21-9	Aroclor 1242	1	0.0179	0.0179		U
12672-29-6	Aroclor 1248	1	0.0179	0.0179		U
11097-69-1	Aroclor 1254	1	0.0179	0.0179		U
11096-82-5	Aroclor 1260	1	0.0179	0.0179		U
1336-36-3	Total PCBs	1	0.0179	0.0179		U

SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
Tetrachloro-m-xylene	0.0715	0.0540	75.5	30 - 120	
Decachlorobiphenyl	0.0715	0.0340	47.5	30 - 120	

* Values outside of QC limits

SECOND COLUMN ANALYSIS DATA SHEET

HVAC SW West 1-3

Laboratory: ALS Environmental - Stratford | SDG: 25H1735

Client: Terracon Consultants, Inc. | Project: HPN HVAC J4257006, 10.2

Matrix: Soil | Laboratory ID: 25H1535-08 | File ID: P600436005.D

Sampled: 08/20/25 13:51 | Prepared: 08/24/25 07:50 | Analyzed: 08/25/25 20:11

Solids: 89.43 | Preparation: EPA 3550C | Initial/Final: 30.2 g / 10 mL

Batch: BH51815 | Sequence: S5H2537 | Calibration: SH50018 | Instrument: GCECD6

CAS NO.	COMPOUND	DILUTION	COL 1 (mg/kg dry)	COL 2 (mg/kg dry)	% Diff	Q
12674-11-2	Aroclor 1016	1	0.0185	0.0185		U
11104-28-2	Aroclor 1221	1	0.0185	0.0185		U
11141-16-5	Aroclor 1232	1	0.0185	0.0185		U
53469-21-9	Aroclor 1242	1	0.0185	0.0185		U
12672-29-6	Aroclor 1248	1	0.0185	0.0185		U
11097-69-1	Aroclor 1254	1	0.0185	0.0185		U
11096-82-5	Aroclor 1260	1	0.0185	0.0185		U
1336-36-3	Total PCBs	1	0.0185	0.0185		U

SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
Tetrachloro-m-xylene	0.0741	0.0430	58.0	30 - 120	
Decachlorobiphenyl	0.0741	0.0322	43.5	30 - 120	

* Values outside of QC limits

SECOND COLUMN ANALYSIS DATA SHEET

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford			SDG:	25H1735
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	25H1535-09	File ID:	P600436006.D
Sampled:	08/20/25 14:11	Prepared:	08/24/25 07:50	Analyzed:	08/25/25 20:25
Solids:	91.50	Preparation:	EPA 3550C	Initial/Final:	30.2 g / 10 mL
Batch:	BH51815	Sequence:	S5H2537	Calibration:	SH50018
Instrument:	GCECD6				

CAS NO.	COMPOUND	DILUTION	COL 1 (mg/kg dry)	COL 2 (mg/kg dry)	% Diff	Q
12674-11-2	Aroclor 1016	1	0.0181	0.0181		U
11104-28-2	Aroclor 1221	1	0.0181	0.0181		U
11141-16-5	Aroclor 1232	1	0.0181	0.0181		U
53469-21-9	Aroclor 1242	1	0.0181	0.0181		U
12672-29-6	Aroclor 1248	1	0.0181	0.0181		U
11097-69-1	Aroclor 1254	1	0.0181	0.0181		U
11096-82-5	Aroclor 1260	1	0.0181	0.0181		U
1336-36-3	Total PCBs	1	0.0181	0.0181		U

SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
Tetrachloro-m-xylene	0.0724	0.0612	84.5	30 - 120	
Decachlorobiphenyl	0.0724	0.0366	50.5	30 - 120	

* Values outside of QC limits

SECOND COLUMN ANALYSIS DATA SHEET

HVAC DUP

Laboratory: ALS Environmental - Stratford | SDG: 25H1735

Client: Terracon Consultants, Inc. | Project: HPN HVAC J4257006, 10.2

Matrix: Soil | Laboratory ID: 25H1535-10 | File ID: P600436007.D

Sampled: 08/20/25 14:11 | Prepared: 08/24/25 07:50 | Analyzed: 08/25/25 20:38

Solids: 88.88 | Preparation: EPA 3550C | Initial/Final: 30.5 g / 10 mL

Batch: BH51815 | Sequence: S5H2537 | Calibration: SH50018 | Instrument: GCECD6

CAS NO.	COMPOUND	DILUTION	COL 1 (mg/kg dry)	COL 2 (mg/kg dry)	% Diff	Q
12674-11-2	Aroclor 1016	1	0.0184	0.0184		U
11104-28-2	Aroclor 1221	1	0.0184	0.0184		U
11141-16-5	Aroclor 1232	1	0.0184	0.0184		U
53469-21-9	Aroclor 1242	1	0.0184	0.0184		U
12672-29-6	Aroclor 1248	1	0.0184	0.0184		U
11097-69-1	Aroclor 1254	1	0.0184	0.0184		U
11096-82-5	Aroclor 1260	1	0.0184	0.0184		U
1336-36-3	Total PCBs	1	0.0184	0.0184		U

SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
Tetrachloro-m-xylene	0.0738	0.0568	77.0	30 - 120	
Decachlorobiphenyl	0.0738	0.0369	50.0	30 - 120	

* Values outside of QC limits

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8082A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2537	Instrument:	GCECD6
Batch:	BH51815	Calibration:	SH50018

Surrogate Compound	Spike Level mg/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (BH51815-BLK2)			Lab File ID: P600435980.D		Analyzed: 08/25/25 14:25			
Tetrachloro-m-xylene	0.0664	118	30 - 120	2.741	2.712143	0.0289	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0664	76.0	30 - 120	2.206	2.210286	-0.0043	+/-0.50	
Decachlorobiphenyl	0.0664	80.5	30 - 120	8.917	8.870428	0.0466	+/-0.50	
Decachlorobiphenyl [2C]	0.0664	77.0	30 - 120	7.919	7.918143	0.0009	+/-0.50	
LCS (BH51815-BS2)			Lab File ID: P600435981.D		Analyzed: 08/25/25 14:38			
Tetrachloro-m-xylene	0.0664	75.0	30 - 120	2.734	2.712143	0.0219	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0664	65.5	30 - 120	2.21	2.210286	-0.0003	+/-0.50	
Decachlorobiphenyl	0.0664	61.0	30 - 120	8.907	8.870428	0.0366	+/-0.50	
Decachlorobiphenyl [2C]	0.0664	64.0	30 - 120	7.918	7.918143	-0.0001	+/-0.50	
Matrix Spike (BH51815-MS2)			Lab File ID: P600435982.D		Analyzed: 08/25/25 14:52			
Tetrachloro-m-xylene	0.0726	90.0	30 - 120	2.733	2.712143	0.0209	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0726	70.5	30 - 120	2.211	2.210286	0.0007	+/-0.50	
Decachlorobiphenyl	0.0726	63.0	30 - 120	8.905	8.870428	0.0346	+/-0.50	
Decachlorobiphenyl [2C]	0.0726	62.0	30 - 120	7.919	7.918143	0.0009	+/-0.50	
Matrix Spike Dup (BH51815-MSD2)			Lab File ID: P600435983.D		Analyzed: 08/25/25 15:05			
Tetrachloro-m-xylene	0.0726	93.0	30 - 120	2.733	2.712143	0.0209	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0726	72.5	30 - 120	2.211	2.210286	0.0007	+/-0.50	
Decachlorobiphenyl	0.0726	64.5	30 - 120	8.905	8.870428	0.0346	+/-0.50	
Decachlorobiphenyl [2C]	0.0726	64.0	30 - 120	7.919	7.918143	0.0009	+/-0.50	
HVAC SW North 1-3 (25H1535-05)			Lab File ID: P600436002.D		Analyzed: 08/25/25 19:30			
Tetrachloro-m-xylene	0.0732	81.5	30 - 120	2.732	2.712143	0.0199	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0732	66.5	30 - 120	2.211	2.210286	0.0007	+/-0.50	
Decachlorobiphenyl	0.0732	56.5	30 - 120	8.904	8.870428	0.0336	+/-0.50	
Decachlorobiphenyl [2C]	0.0732	56.0	30 - 120	7.918	7.918143	-0.0001	+/-0.50	
HVAC SW South 1-3 (25H1535-06)			Lab File ID: P600436003.D		Analyzed: 08/25/25 19:44			
Tetrachloro-m-xylene	0.0714	82.0	30 - 120	2.732	2.712143	0.0199	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0714	67.0	30 - 120	2.211	2.210286	0.0007	+/-0.50	
Decachlorobiphenyl	0.0714	53.0	30 - 120	8.903	8.870428	0.0326	+/-0.50	
Decachlorobiphenyl [2C]	0.0714	53.5	30 - 120	7.919	7.918143	0.0009	+/-0.50	

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8082A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2537	Instrument:	GCECD6
Batch:	BH51815	Calibration:	SH50018

Surrogate Compound	Spike Level mg/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
HVAC SW East 1-3 (25H1535-07)			Lab File ID: P600436004.D		Analyzed: 08/25/25 19:58			
Tetrachloro-m-xylene	0.0715	75.5	30 - 120	2.732	2.712143	0.0199	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0715	60.5	30 - 120	2.211	2.210286	0.0007	+/-0.50	
Decachlorobiphenyl	0.0715	47.5	30 - 120	8.905	8.870428	0.0346	+/-0.50	
Decachlorobiphenyl [2C]	0.0715	49.0	30 - 120	7.918	7.918143	-0.0001	+/-0.50	
HVAC SW West 1-3 (25H1535-08)			Lab File ID: P600436005.D		Analyzed: 08/25/25 20:11			
Tetrachloro-m-xylene	0.0741	58.0	30 - 120	2.732	2.712143	0.0199	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0741	50.0	30 - 120	2.211	2.210286	0.0007	+/-0.50	
Decachlorobiphenyl	0.0741	43.5	30 - 120	8.903	8.870428	0.0326	+/-0.50	
Decachlorobiphenyl [2C]	0.0741	44.0	30 - 120	7.919	7.918143	0.0009	+/-0.50	
HVAC Bottom 3 ft (25H1535-09)			Lab File ID: P600436006.D		Analyzed: 08/25/25 20:25			
Tetrachloro-m-xylene	0.0724	84.5	30 - 120	2.732	2.712143	0.0199	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0724	66.5	30 - 120	2.211	2.210286	0.0007	+/-0.50	
Decachlorobiphenyl	0.0724	50.5	30 - 120	8.902	8.870428	0.0316	+/-0.50	
Decachlorobiphenyl [2C]	0.0724	52.0	30 - 120	7.919	7.918143	0.0009	+/-0.50	
HVAC DUP (25H1535-10)			Lab File ID: P600436007.D		Analyzed: 08/25/25 20:38			
Tetrachloro-m-xylene	0.0738	77.0	30 - 120	2.732	2.712143	0.0199	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0738	62.0	30 - 120	2.211	2.210286	0.0007	+/-0.50	
Decachlorobiphenyl	0.0738	50.0	30 - 120	8.903	8.870428	0.0326	+/-0.50	
Decachlorobiphenyl [2C]	0.0738	51.5	30 - 120	7.918	7.918143	-0.0001	+/-0.50	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8082A

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		evaluated for qualification only
Batch:	BH51815	Laboratory ID:	BH51815-MS2
Preparation:	EPA 3550C	Initial/Final:	30.1 g / 10 mL

Source Sample Name: 25H1535-09

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. #	QC LIMITS REC.	Q
Aroclor 1016	0.363	ND	0.259	71.4	40 - 140	
Aroclor 1016 [2C]	0.363	ND	0.207	57.0	40 - 140	
Aroclor 1260	0.363	ND	0.339	93.3	40 - 140	
Aroclor 1260 [2C]	0.363	ND	0.283	78.0	40 - 140	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8082A

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51815	Laboratory ID:	BH51815-MSD2
Preparation:	EPA 3550C	Initial/Final:	30.1 g / 10 mL

evaluated for qualification only

Source Sample Name: 25H1535-09

COMPOUND	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
Aroclor 1016	0.363	0.241	66.4	7.35	50	40 - 140	
Aroclor 1016 [2C]	0.363	0.196	54.0	5.44	50	40 - 140	
Aroclor 1260	0.363	0.328	90.3	3.25	50	40 - 140	
Aroclor 1260 [2C]	0.363	0.282	77.6	0.514	50	40 - 140	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51815	Laboratory ID:	BH51815-BS2
Preparation:	EPA 3550C	Initial/Final:	30.1 g / 10 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
Aroclor 1016	0.332	0.366	110	40 - 130	
Aroclor 1016 [2C]	0.332	0.294	88.4	40 - 130	
Aroclor 1260	0.332	0.364	110	40 - 130	
Aroclor 1260 [2C]	0.332	0.303	91.3	40 - 130	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits



FORM IV **PREPARATION BATCH SUMMARY**

EPA 8082A

Laboratory: ALS Environmental - Stratford SDG: 25H1535

Client: Terracon Consultants, Inc. Project: HPN HVAC J4257006, 10.2

Batch: BH51815 Batch Matrix: Soil Preparation: EPA 3550C

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC SW North 1-3	25H1535-05	P600436002.D	08/24/25 07:50	
HVAC SW South 1-3	25H1535-06	P600436003.D	08/24/25 07:50	
HVAC SW East 1-3	25H1535-07	P600436004.D	08/24/25 07:50	
HVAC SW West 1-3	25H1535-08	P600436005.D	08/24/25 07:50	
HVAC Bottom 3 ft	25H1535-09	P600436006.D	08/24/25 07:50	
HVAC DUP	25H1535-10	P600436007.D	08/24/25 07:50	
Blank	BH51815-BLK2	P600435980.D	08/24/25 10:17	
LCS	BH51815-BS2	P600435981.D	08/24/25 10:17	
HVAC Bottom 3 ft	BH51815-MS2	P600435982.D	08/24/25 10:17	
HVAC Bottom 3 ft	BH51815-MSD2	P600435983.D	08/24/25 10:17	



FORM I

METHOD BLANK DATA SHEET

EPA 8082A

CLEAN BLANK

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51815-BLK2
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50018
Preparation:	EPA 3550C	Prepared:	08/24/25 10:17	File ID:	P600435980.D
Instrument:	GCECD6	Analyzed:	08/25/25 14:25	Initial/Final:	30.1 g / 10 mL
Batch:	BH51815	Sequence:	S5H2537	Matrix:	Soil

Analyzed by: ALS Environmental - Stratford

Polychlorinated Biphenyls by GC/ECD
Sample Prepared by Method: EPA 3550C

Results Reported to RL

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
12674-11-2	Aroclor 1016 [2C]	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
11104-28-2	Aroclor 1221	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
11104-28-2	Aroclor 1221 [2C]	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
11141-16-5	Aroclor 1232	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
11141-16-5	Aroclor 1232 [2C]	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
53469-21-9	Aroclor 1242	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
53469-21-9	Aroclor 1242 [2C]	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
12672-29-6	Aroclor 1248	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
12672-29-6	Aroclor 1248 [2C]	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
11097-69-1	Aroclor 1254	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
11097-69-1	Aroclor 1254 [2C]	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
11096-82-5	Aroclor 1260	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
11096-82-5	Aroclor 1260 [2C]	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
37324-23-5	Aroclor 1262	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
37324-23-5	Aroclor 1262 [2C]	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
11100-14-4	Aroclor 1268	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
11100-14-4	Aroclor 1268 [2C]	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
1336-36-3	Total PCBs	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	
1336-36-3	Total PCBs [2C]	ND		mg/kg wet	0.0166	1	EPA 8082A	08/24/25 10:17	08/25/25 14:25	

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	Decachlorobiphenyl	*80.5 %*	*30-120*
2051-24-3	Decachlorobiphenyl [2C]	*77.0 %*	*30-120*
877-09-8	Tetrachloro-m-xylene	*118 %*	*30-120*
877-09-8	Tetrachloro-m-xylene [2C]	*76.0 %*	*30-120*

FORM V **ANALYSIS BATCH (SEQUENCE) SUMMARY**

EPA 8082A

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Sequence: S5H0830
Instrument: GCECD6
Calibration: SH50018

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	S5H0830-CALF	P600434616.D	08/06/25 19:07
Cal Standard	S5H0830-CAL1	P600434617.D	08/06/25 19:20
Cal Standard	S5H0830-CAL2	P600434618.D	08/06/25 19:34
Cal Standard	S5H0830-CAL3	P600434619.D	08/06/25 19:47
Cal Standard	S5H0830-CAL4	P600434620.D	08/06/25 20:01
Cal Standard	S5H0830-CAL5	P600434621.D	08/06/25 20:14
Cal Standard	S5H0830-CAL6	P600434622.D	08/06/25 20:28
Cal Standard	S5H0830-CAL7	P600434623.D	08/06/25 20:41
Secondary Cal Check	S5H0830-SCV1	P600434625.D	08/06/25 21:08
Cal Standard	S5H0830-CAL8	P600434626.D	08/06/25 21:22
Cal Standard	S5H0830-CAL9	P600434627.D	08/06/25 21:35
Cal Standard	S5H0830-CALA	P600434628.D	08/06/25 21:49
Cal Standard	S5H0830-CALB	P600434629.D	08/06/25 22:03
Cal Standard	S5H0830-CALC	P600434630.D	08/06/25 22:16
Cal Standard	S5H0830-CALD	P600434631.D	08/06/25 22:30
Cal Standard	S5H0830-CALE	P600434632.D	08/06/25 22:43



curve validated in SDG 25H1532

MS recalculated for 25H1535

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2537	Instrument:	GCECD6
		Calibration:	SH50018

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	S5H2537-CCV1	P600435978.D	08/25/25 11:25
Aroclor Reference	S5H2537-ARC1	P600435979.D	08/25/25 11:39
Blank	BH51815-BLK2	P600435980.D	08/25/25 14:25
LCS	BH51815-BS2	P600435981.D	08/25/25 14:38
HVAC Bottom 3 ft	BH51815-MS2	P600435982.D	08/25/25 14:52
HVAC Bottom 3 ft	BH51815-MSD2	P600435983.D	08/25/25 15:05
Calibration Check	S5H2537-CCV2	P600435990.D	08/25/25 16:41
HVAC SW North 1-3	25H1535-05	P600436002.D	08/25/25 19:30
HVAC SW South 1-3	25H1535-06	P600436003.D	08/25/25 19:44
HVAC SW East 1-3	25H1535-07	P600436004.D	08/25/25 19:58
HVAC SW West 1-3	25H1535-08	P600436005.D	08/25/25 20:11
HVAC Bottom 3 ft	25H1535-09	P600436006.D	08/25/25 20:25
HVAC DUP	25H1535-10	P600436007.D	08/25/25 20:38
Calibration Check	S5H2537-CCV3	P600436012.D	08/25/25 21:46
Calibration Check	S5H2537-CCV4	P600436034.D	08/26/25 02:45
Calibration Check	S5H2537-CCV5	P600436044.D	08/26/25 05:01
Calibration Check	S5H2537-CCV6	P600436064.D	08/26/25 14:55



AROCLOR INITIAL CALIBRATION (SINGLE POINT)

Client: **Terracon Consultants, Inc.**
SDG: **25H1735**
Project: **HPN HVAC J4257006, 10.2**

Instrument ID: GCECD6 Col 1
Calibration: SH50018
Sequence: S5H2537
Lab Number: S5H2537-ARC1

Date(s) Analyzed: 08/25/2025

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor 1254	2.000	1	04.22	04.02	04.42	1725550000
		2	04.87	04.67	05.07	3188900000
		3	05.57	05.37	05.77	5282300000
		4	05.93	05.73	06.13	4237850000
		5	06.44	06.24	06.64	4625250000

Client: **Terracon Consultants, Inc.**
SDG: **25H1735**
Project: **HPN HVAC J4257006, 10.2**

Instrument ID: GCECD6 Col 2
Calibration: SH50018
Sequence: S5H2537
Lab Number: S5H2537-ARC1

Date(s) Analyzed: 08/25/2025

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor 1254	2.000	1	03.50	03.30	03.70	145050000
		2	04.12	03.92	04.32	475150000
		3	04.76	04.56	04.96	547250000
		4	05.05	04.85	05.25	458350000
		5	05.56	05.36	05.76	502300000

FORM VI

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50018

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: GCECD6

Calibration Date: 08/08/25 17:08

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Aroclor 1016	0.0125	3.499202E+09	0.025	2.972049E+09	0.05	2.565712E+09	0.2	2.1306E+09	0.5	1.82356E+09	1	1.61448E+09
Aroclor 1016 [2C]	0.0125	1.946922E+08	0.025	2.090234E+08	0.05	2.094594E+08	0.2	2.011053E+08	0.5	1.826488E+08	1	1.6792E+08
Aroclor 1260	0.0125	7.061413E+09	0.025	6.5632E+09	0.05	6.3556E+09	0.2	5.5981E+09	0.5	4.9516E+09	1	4.4379E+09
Aroclor 1260 [2C]	0.0125	5.210446E+08	0.025	5.109932E+08	0.05	5.379432E+08	0.2	5.302625E+08	0.5	4.8892E+08	1	4.4492E+08
Decachlorobiphenyl	0.01	5.458E+10	0.02	5.8755E+10	0.04	6.01625E+10	0.08	5.636375E+10	0.12	4.961667E+10	0.16	~~3.6735E+10~~
Decachlorobiphenyl [2C]	0.01	6.58706E+09	0.02	6.43E+09	0.04	6.73E+09	0.08	6.5075E+09	0.12	5.7175E+09	0.16	~~4.873125E+09~~
Tetrachloro-m-xylene	0.01	1.136E+11	0.02	1.1636E+11	0.04	1.189325E+11	0.08	1.0976E+11	0.12	9.220667E+10	0.16	8.099312E+10
Tetrachloro-m-xylene [2C]	0.01	8.920742E+09	0.02	9.89E+09	0.04	1.1215E+10	0.08	1.12825E+10	0.12	1.0025E+10	0.16	9.230625E+09

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8082A

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50018

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: GCECD6

Calibration Date: 08/08/25 17:08

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Aroclor 1016	2	1.5703E+09	3	1.43298E+09								
Aroclor 1016 [2C]	2	1.7732E+08	3	1.6644E+08								
Aroclor 1221					2	1.068134E+09						
Aroclor 1221 [2C]					2	1.293166E+08						
Aroclor 1232							2	8.8264E+08				
Aroclor 1232 [2C]							2	1.024814E+08				
Aroclor 1242									2	1.54643E+09		
Aroclor 1242 [2C]									2	1.7185E+08		
Aroclor 1248											2	2.25749E+09
Aroclor 1248 [2C]											2	2.5646E+08
Aroclor 1260	2	4.52746E+09	3	4.227953E+09								
Aroclor 1260 [2C]	2	4.825E+08	3	4.587E+08								
Decachlorobiphenyl	0.2	4.38385E+10	0.24	4.012E+10								
Decachlorobiphenyl [2C]	0.2	5.105E+09	0.24	4.805416E+09								
Tetrachloro-m-xylene	0.2	7.34805E+10	0.24									
Tetrachloro-m-xylene [2C]	0.2	8.978E+09	0.24									

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50018
Instrument: GCECD6
Calibration Date: 08/08/25 17:08

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aroclor 1016	2.20111E+09	33.87592	3.065875	2.557116E-02		0.9991932	CCC ()	
Aroclor 1016 [2C]	1.885761E+08	9.243977	2.545375	2.608674E-02		0.999122	0.99	
Aroclor 1260	5.465403E+09	19.91549	5.75	1.283847E-02		0.9992613	CCC ()	
Aroclor 1260 [2C]	4.969104E+08	6.808111	4.9295	2.165085E-02		0.998953	0.99	
Decachlorobiphenyl	5.191949E+10	14.73854	8.870428	1.282849E-02			20	
Decachlorobiphenyl [2C]	5.983211E+09	12.99263	7.918143	1.567738E-02			20	
Tetrachloro-m-xylene	1.007618E+11	18.24365	2.712143	2.083288E-02		0.9975687	0.99	
Tetrachloro-m-xylene [2C]	9.934553E+09	9.985865	2.210286	6.551868E-03		0.9975648	0.99	

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50018
Laboratory ID: S5H0830-SCV1
Sequence: S5H0830
Standard ID: S25B248

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
Aroclor 1016	1.00	1.03	3.0	20.00
Aroclor 1016 [2C]	1.00	1.03	3.0	20.00
Aroclor 1260	1.00	1.08	8.3	20.00
Aroclor 1260 [2C]	1.00	1.09	9.4	20.00
Tetrachloro-m-xylene	0.160	0.158	-1.2	
Tetrachloro-m-xylene [2C]	0.160	0.160	0.0	
Decachlorobiphenyl	0.160	0.137	-14.4	
Decachlorobiphenyl [2C]	0.160	0.151	-5.6	

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	GCECD6	Calibration:	SH50018
Lab File ID:	P600435978.D	Calibration Date:	08/08/25 17:08
Sequence:	S5H2537	Injection Date:	08/25/25
Lab Sample ID:	S5H2537-CCV1	Injection Time:	11:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Aroclor 1016	A	1.00	1.27	2.20111E+09	2.09684E+09		27.0	20 *	CC VH
Aroclor 1016 [2C]	A	1.00	1.05	1.885761E+08	1.869E+08		5.1	20	
Aroclor 1260	A	1.00	1.26	5.465403E+09	5.77038E+09		26.1	20 *	CC VH
Aroclor 1260 [2C]	A	1.00	1.04	4.969104E+08	4.872E+08		4.0	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

samples ND so no qual

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	GCECD6	Calibration:	SH50018
Lab File ID:	P600435990.D	Calibration Date:	08/08/25 17:08
Sequence:	S5H2537	Injection Date:	08/25/25
Lab Sample ID:	S5H2537-CCV2	Injection Time:	16:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Aroclor 1016	A	1.00	1.31	2.20111E+09	2.15442E+09		30.9	20 *	CC VH
Aroclor 1016 [2C]	A	1.00	1.09	1.885761E+08	1.9436E+08		9.5	20	
Aroclor 1260	A	1.00	1.28	5.465403E+09	5.8538E+09		28.4	20 *	CC VH
Aroclor 1260 [2C]	A	1.00	1.08	4.969104E+08	5.03E+08		7.5	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

samples ND so no qual

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	GCECD6	Calibration:	SH50018
Lab File ID:	P600436012.D	Calibration Date:	08/08/25 17:08
Sequence:	S5H2537	Injection Date:	08/25/25
Lab Sample ID:	S5H2537-CCV3	Injection Time:	21:46

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Aroclor 1016	A	1.00	1.27	2.20111E+09	2.08898E+09		26.5 *	20	CC VH
Aroclor 1016 [2C]	A	1.00	1.06	1.885761E+08	1.8838E+08		5.8	20	
Aroclor 1260	A	1.00	1.21	5.465403E+09	5.53004E+09		21.1	20 *	CC VH
Aroclor 1260 [2C]	A	1.00	1.02	4.969104E+08	4.7658E+08		1.7	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

samples ND so no qual

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	GCECD6	Calibration:	SH50018
Lab File ID:	P600436034.D	Calibration Date:	08/08/25 17:08
Sequence:	S5H2537	Injection Date:	08/26/25
Lab Sample ID:	S5H2537-CCV4	Injection Time:	02:45

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Aroclor 1016	A	1.00	1.17	2.20111E+09	1.94228E+09		16.8	20	
Aroclor 1016 [2C]	A	1.00	1.10	1.885761E+08	1.9506E+08		9.7	20	
Aroclor 1260	A	1.00	1.11	5.465403E+09	5.10396E+09		11.1	20	
Aroclor 1260 [2C]	A	1.00	1.06	4.969104E+08	4.959E+08		5.9	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

does not bracket samples

FORM VII **CONTINUING CALIBRATION CHECK**

EPA 8082A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	GCECD6	Calibration:	SH50018
Lab File ID:	P600436044.D	Calibration Date:	08/08/25 17:08
Sequence:	S5H2537	Injection Date:	08/26/25
Lab Sample ID:	S5H2537-CCV5	Injection Time:	05:01

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Aroclor 1016	A	1.00	1.18	2.20111E+09	1.95328E+09		17.7	20	
Aroclor 1016 [2C]	A	1.00	1.09	1.885761E+08	1.9364E+08		9.2	20	
Aroclor 1260	A	1.00	1.14	5.465403E+09	5.20128E+09		13.5	20	
Aroclor 1260 [2C]	A	1.00	1.07	4.969104E+08	5.0138E+08		7.1	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

does not bracket samples

FORM VII **CONTINUING CALIBRATION CHECK**

EPA 8082A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	GCECD6	Calibration:	SH50018
Lab File ID:	P600436064.D	Calibration Date:	08/08/25 17:08
Sequence:	S5H2537	Injection Date:	08/26/25
Lab Sample ID:	S5H2537-CCV6	Injection Time:	14:55

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Aroclor 1016	A	1.00	1.23	2.20111E+09	2.0225E+09		22.6	20 *	CC VH
Aroclor 1016 [2C]	A	1.00	1.14	1.885761E+08	1.9984E+08		13.6	20	
Aroclor 1260	A	1.00	1.18	5.465403E+09	5.41192E+09		18.1	20	
Aroclor 1260 [2C]	A	1.00	1.06	4.969104E+08	4.9994E+08		6.5	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

does not bracket samples

BENCHSHEETS

SDG: 25H1735

CLASS: ARO

METHOD: EPA 8082A

PREPARATION BENCH SHEET : BH51815

Preparation Date: 08/24/2025 07:50

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1535-05 A	PCB, 8082 MASTER	30.5	10										
25H1535-06 A	PCB, 8082 MASTER	30.3	10										
25H1535-07 A	PCB, 8082 MASTER	30.5	10										
25H1535-08 A	PCB, 8082 MASTER	30.2	10										
25H1535-09 E	PCB, 8082 MASTER	30.2	10										
25H1535-10 E	PCB, 8082 MASTER	30.5	10										
BH51815-BLK2	PCB, 8082 MASTER	30.1	10										
BH51815-BS2	PCB, 8082 MASTER	30.1	10	S25D096	100								
BH51815-MS2	PCB, 8082 MASTER	30.1	10	S25D096	100			25H1535-09					
BH51815-MSD2	PCB, 8082 MASTER	30.1	10	S25D096	100			25H1535-09					

Reagent

Standard/Reagent ID	Description	LotNum
S25E087	ACETONE	25A1862002
S25G028	Baked Sodium Sulfate	436102
S25H252	HEXANE	EK623-US

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25D096	PCB Spike @100 ug/ml	LRAD5766	100

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25H293	EXT Pest/PCB Surrogate Mix @ 20 ug/ml	08142025	100

Preparations Performed by Fraiser.Anchundia **Date:** **08/21/2025 14:02**

METHOD DETECTION AND REPORTING LIMITS

EPA 8081B

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: Soil **Instrument:** PEST7

Analyte	LOD	LOQ	Units
4,4'-DDD	0.000330	0.000330	mg/kg
4,4'-DDD [2C]	0.000330	0.000330	mg/kg
4,4'-DDE	0.000330	0.000330	mg/kg
4,4'-DDE [2C]	0.000330	0.000330	mg/kg
4,4'-DDT	0.000330	0.000330	mg/kg
4,4'-DDT [2C]	0.000330	0.000330	mg/kg
Aldrin	0.000330	0.000330	mg/kg
Aldrin [2C]	0.000330	0.000330	mg/kg
alpha-BHC	0.000330	0.000330	mg/kg
alpha-BHC [2C]	0.000330	0.000330	mg/kg
alpha-Chlordane	0.000330	0.000330	mg/kg
alpha-Chlordane [2C]	0.000330	0.000330	mg/kg
beta-BHC	0.000330	0.000330	mg/kg
beta-BHC [2C]	0.000330	0.000330	mg/kg
Chlordane, total	0.00660	0.00660	mg/kg
Chlordane, total (alpha, gamma)	0.000330	0.000330	mg/kg
Chlordane, total (alpha, gamma) [2C]	0.000330	0.000330	mg/kg
Chlordane, total [2C]	0.00660	0.00660	mg/kg
delta-BHC	0.000330	0.000330	mg/kg
delta-BHC [2C]	0.000330	0.000330	mg/kg
Dieldrin	0.000330	0.000330	mg/kg
Dieldrin [2C]	0.000330	0.000330	mg/kg
Endosulfan I	0.000330	0.000330	mg/kg
Endosulfan I [2C]	0.000330	0.000330	mg/kg
Endosulfan II	0.000330	0.000330	mg/kg
Endosulfan II [2C]	0.000330	0.000330	mg/kg
Endosulfan sulfate	0.000330	0.000330	mg/kg
Endosulfan sulfate [2C]	0.000330	0.000330	mg/kg
Endrin	0.000330	0.000330	mg/kg
Endrin [2C]	0.000330	0.000330	mg/kg
Endrin aldehyde	0.000330	0.000330	mg/kg
Endrin aldehyde [2C]	0.000330	0.000330	mg/kg
Endrin ketone	0.000330	0.000330	mg/kg
Endrin ketone [2C]	0.000330	0.000330	mg/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8081B

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: Soil **Instrument:** PEST7

Analyte	LOD	LOQ	Units
gamma-BHC (Lindane)	0.000330	0.000330	mg/kg
gamma-BHC (Lindane) [2C]	0.000330	0.000330	mg/kg
gamma-Chlordane	0.000330	0.000330	mg/kg
gamma-Chlordane [2C]	0.000330	0.000330	mg/kg
Heptachlor	0.000330	0.000330	mg/kg
Heptachlor [2C]	0.000330	0.000330	mg/kg
Heptachlor epoxide	0.000330	0.000330	mg/kg
Heptachlor epoxide [2C]	0.000330	0.000330	mg/kg
Methoxychlor	0.000330	0.000330	mg/kg
Methoxychlor [2C]	0.000330	0.000330	mg/kg
Mirex	0.000330	0.000330	mg/kg
Mirex [2C]	0.000330	0.000332	mg/kg
Toxaphene	0.0330	0.0330	mg/kg
Toxaphene [2C]	0.0330	0.0330	mg/kg

Sample Information

Client Sample ID: **HVAC SW North 1-3** **Sample ID: 25H1535-05**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Organochlorine Pesticides by GC/ECD

extract within 14 days

analyze within 40 day

Sample Prepared by Method: EPA 3550C

Results Reported to RL

% Solids: 89.62

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
50-29-3	**4,4'-DDT** col 1	0.00258		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
309-00-2	Aldrin	ND		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0362	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
72-20-8	Endrin	ND		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.181	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:00	RJ
2051-24-3	*Surrogate: Decachlorobiphenyl*	*40.0 %*			*30-150*					
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*79.1 %*			*30-150*					

Sample Information

Client Sample ID: **HVAC SW South 1-3** **Sample ID: 25H1535-06**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

Organochlorine Pesticides by GC/ECD

Sample Prepared by Method: EPA 3550C | Results Reported to RL | % Solids: 92.50

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0353	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:17	RJ
2051-24-3	*Surrogate: Decachlorobiphenyl*	*40.0 %*			*30-150*					
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*71.8 %*			*30-150*					

Sample Information

Client Sample ID: **HVAC SW East 1-3** **Sample ID: 25H1535-07**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Organochlorine Pesticides by GC/ECD

Sample Prepared by Method: EPA 3550C

Results Reported to RL

% Solids: 91.72

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:34	RJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:34	RJ
50-29-3	**4,4'-DDT [2C]** col 2	0.00228		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:34	RJ
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:34	RJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:34	RJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:34	RJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0354	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:34	RJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:34	RJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:34	RJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:34	RJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:34	RJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:34	RJ
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:34	RJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:34	RJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:34	RJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:34	RJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:34	RJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:34	RJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:34	RJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.177	5	EPA 8081B	08/23/2025 11:52	08/25/2025 14:34	RJ
2051-24-3	*Surrogate: Decachlorobiphenyl*	*46.5 %*			*30-150*					
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*72.5 %*			*30-150*					

Sample Information

Client Sample ID: **HVAC SW West 1-3** **Sample ID: 25H1535-08**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

Organochlorine Pesticides by GC/ECD

Sample Prepared by Method: EPA 3550C | Results Reported to RL | % Solids: 89.43

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
309-00-2	Aldrin	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0367	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
72-20-8	Endrin	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 16:48	RJ
2051-24-3	*Surrogate: Decachlorobiphenyl*	*41.8 %*			*30-150*					
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*67.2 %*			*30-150*					

Sample Information

Client Sample ID: **HVAC Bottom 3 ft** **Sample ID: 25H1535-09**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Organochlorine Pesticides by GC/ECD

Sample Prepared by Method: EPA 3550C

Results Reported to RL

% Solids: 91.50

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00179	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:05	RJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00179	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:05	RJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00179	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:05	RJ
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:05	RJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:05	RJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:05	RJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0358	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:05	RJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:05	RJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:05	RJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:05	RJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:05	RJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:05	RJ
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:05	RJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:05	RJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:05	RJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:05	RJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:05	RJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:05	RJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00179	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:05	RJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.179	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:05	RJ
2051-24-3	*Surrogate: Decachlorobiphenyl*	*51.9 %*			*30-150*					
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*78.2 %*			*30-150*					

Sample Information

Client Sample ID: **HVAC DUP** **Sample ID: 25H1535-10**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Organochlorine Pesticides by GC/ECD

Sample Prepared by Method: EPA 3550C | Results Reported to RL | % Solids: 88.88

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:35	RJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:35	RJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:35	RJ
309-00-2	Aldrin	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:35	RJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:35	RJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:35	RJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0365	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:35	RJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:35	RJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:35	RJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:35	RJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:35	RJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:35	RJ
72-20-8	Endrin	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:35	RJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:35	RJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:35	RJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:35	RJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:35	RJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:35	RJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:35	RJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.183	5	EPA 8081B	08/23/2025 11:52	08/25/2025 17:35	RJ
2051-24-3	*Surrogate: Decachlorobiphenyl*	*45.0 %*			*30-150*					
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*78.2 %*			*30-150*					

SECOND COLUMN ANALYSIS DATA SHEET

HVAC SW North 1-3

Laboratory: ALS Environmental - Stratford | SDG: 25H1735

Client: Terracon Consultants, Inc. | Project: HPN HVAC J4257006, 10.2

Matrix: Soil | Laboratory ID: 25H1535-05 | File ID: P7043759.D

Sampled: 08/20/25 14:16 | Prepared: 08/23/25 11:52 | Analyzed: 08/25/25 14:00

Solids: 89.62 | Preparation: EPA 3550C | Initial/Final: 30.5 g / 10 mL

Batch: BH51816 | Sequence: S5H2541 | Calibration: SF50002 | Instrument: PEST7

CAS NO.	COMPOUND	DILUTION	COL 1 (mg/kg dry)	COL 2 (mg/kg dry)	% Diff	Q
72-54-8	4,4'-DDD	5	0.00181	0.00181		U
72-55-9	4,4'-DDE	5	0.00181	0.00181		U
50-29-3	4,4'-DDT	5	0.00258	0.00181		D
309-00-2	Aldrin	5	0.00181	0.00181		U
319-84-6	alpha-BHC	5	0.00181	0.00181		U
319-85-7	beta-BHC	5	0.00181	0.00181		U
319-86-8	delta-BHC	5	0.00181	0.00181		U
60-57-1	Dieldrin	5	0.00181	0.00181		U
959-98-8	Endosulfan I	5	0.00181	0.00181		U
33213-65-9	Endosulfan II	5	0.00181	0.00181		U
1031-07-8	Endosulfan sulfate	5	0.00181	0.00181		U
72-20-8	Endrin	5	0.00181	0.00181		U
7421-93-4	Endrin aldehyde	5	0.00181	0.00181		U
53494-70-5	Endrin ketone	5	0.00181	0.00181		U
58-89-9	gamma-BHC (Lindane)	5	0.00181	0.00181		U
76-44-8	Heptachlor	5	0.00181	0.00181		U
1024-57-3	Heptachlor epoxide	5	0.00181	0.00181		U
72-43-5	Methoxychlor	5	0.00181	0.00181		U
8001-35-2	Toxaphene	5	0.181	0.181		U
57-74-9	Chlordane, total	5	0.0362	0.0362		U

SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	0.0732	0.0293	40.0	30 - 150	
Tetrachloro-m-xylene	0.0732	0.0579	79.1	30 - 150	

* Values outside of QC limits

SECOND COLUMN ANALYSIS DATA SHEET

HVAC SW South 1-3

Laboratory: ALS Environmental - Stratford | SDG: 25H1735

Client: Terracon Consultants, Inc. | Project: HPN HVAC J4257006, 10.2

Matrix: Soil | Laboratory ID: 25H1535-06 | File ID: P7043760.D

Sampled: 08/20/25 14:04 | Prepared: 08/23/25 11:52 | Analyzed: 08/25/25 14:17

Solids: 92.50 | Preparation: EPA 3550C | Initial/Final: 30.3 g / 10 mL

Batch: BH51816 | Sequence: S5H2541 | Calibration: SF50002 | Instrument: PEST7

CAS NO.	COMPOUND	DILUTION	COL 1 (mg/kg dry)	COL 2 (mg/kg dry)	% Diff	Q
72-54-8	4,4'-DDD	5	0.00177	0.00177		U
72-55-9	4,4'-DDE	5	0.00177	0.00177		U
50-29-3	4,4'-DDT	5	0.00177	0.00177		U
309-00-2	Aldrin	5	0.00177	0.00177		U
319-84-6	alpha-BHC	5	0.00177	0.00177		U
319-85-7	beta-BHC	5	0.00177	0.00177		U
319-86-8	delta-BHC	5	0.00177	0.00177		U
60-57-1	Dieldrin	5	0.00177	0.00177		U
959-98-8	Endosulfan I	5	0.00177	0.00177		U
33213-65-9	Endosulfan II	5	0.00177	0.00177		U
1031-07-8	Endosulfan sulfate	5	0.00177	0.00177		U
72-20-8	Endrin	5	0.00177	0.00177		U
7421-93-4	Endrin aldehyde	5	0.00177	0.00177		U
53494-70-5	Endrin ketone	5	0.00177	0.00177		U
58-89-9	gamma-BHC (Lindane)	5	0.00177	0.00177		U
76-44-8	Heptachlor	5	0.00177	0.00177		U
1024-57-3	Heptachlor epoxide	5	0.00177	0.00177		U
72-43-5	Methoxychlor	5	0.00177	0.00177		U
8001-35-2	Toxaphene	5	0.177	0.177		U
57-74-9	Chlordane, total	5	0.0353	0.0353		U

SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	0.0714	0.0286	40.0	30 - 150	
Tetrachloro-m-xylene	0.0714	0.0512	71.8	30 - 150	

* Values outside of QC limits

SECOND COLUMN ANALYSIS DATA SHEET

HVAC SW East 1-3

Laboratory: ALS Environmental - Stratford | SDG: 25H1735

Client: Terracon Consultants, Inc. | Project: HPN HVAC J4257006, 10.2

Matrix: Soil | Laboratory ID: 25H1535-07 | File ID: P7043761.D

Sampled: 08/20/25 14:09 | Prepared: 08/23/25 11:52 | Analyzed: 08/25/25 14:34

Solids: 91.72 | Preparation: EPA 3550C | Initial/Final: 30.5 g / 10 mL

Batch: BH51816 | Sequence: S5H2541 | Calibration: SF50002 | Instrument: PEST7

CAS NO.	COMPOUND	DILUTION	COL 1 (mg/kg dry)	COL 2 (mg/kg dry)	% Diff	Q
72-54-8	4,4'-DDD	5	0.00177	0.00177		U
72-55-9	4,4'-DDE	5	0.00177	0.00177		U
50-29-3	4,4'-DDT	5	0.00228	0.00412	57.50	DP
309-00-2	Aldrin	5	0.00177	0.00177		U
319-84-6	alpha-BHC	5	0.00177	0.00177		U
319-85-7	beta-BHC	5	0.00177	0.00177		U
319-86-8	delta-BHC	5	0.00177	0.00177		U
60-57-1	Dieldrin	5	0.00177	0.00177		U
959-98-8	Endosulfan I	5	0.00177	0.00177		U
33213-65-9	Endosulfan II	5	0.00177	0.00177		U
1031-07-8	Endosulfan sulfate	5	0.00177	0.00177		U
72-20-8	Endrin	5	0.00177	0.00177		U
7421-93-4	Endrin aldehyde	5	0.00177	0.00177		U
53494-70-5	Endrin ketone	5	0.00177	0.00177		U
58-89-9	gamma-BHC (Lindane)	5	0.00177	0.00177		U
76-44-8	Heptachlor	5	0.00177	0.00177		U
1024-57-3	Heptachlor epoxide	5	0.00177	0.00177		U
72-43-5	Methoxychlor	5	0.00177	0.00177		U
8001-35-2	Toxaphene	5	0.177	0.177		U
57-74-9	Chlordane, total	5	0.0354	0.0354		U

<5x QL

SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	0.0715	0.0333	46.5	30 - 150	
Tetrachloro-m-xylene	0.0715	0.0519	72.5	30 - 150	

* Values outside of QC limits

± 2× QL = 0.000660 mg/kg x DF5 = 0.0033 mg/kg
DDT diff btwn columns = 0.00184 mg/kg
no qual

SECOND COLUMN ANALYSIS DATA SHEET

HVAC SW West 1-3

Laboratory:	ALS Environmental - Stratford			SDG:	25H1735
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	25H1535-08	File ID:	P7043767.D
Sampled:	08/20/25 13:51	Prepared:	08/23/25 11:52	Analyzed:	08/25/25 16:48
Solids:	89.43	Preparation:	EPA 3550C	Initial/Final:	30.2 g / 10 mL
Batch:	BH51816	Sequence:	S5H2541	Calibration:	SF50002
Instrument:	PEST7				

CAS NO.	COMPOUND	DILUTION	COL 1 (mg/kg dry)	COL 2 (mg/kg dry)	% Diff	Q
72-54-8	4,4'-DDD	5	0.00183	0.00183		U
72-55-9	4,4'-DDE	5	0.00183	0.00183		U
50-29-3	4,4'-DDT	5	0.00183	0.00183		U
309-00-2	Aldrin	5	0.00183	0.00183		U
319-84-6	alpha-BHC	5	0.00183	0.00183		U
319-85-7	beta-BHC	5	0.00183	0.00183		U
319-86-8	delta-BHC	5	0.00183	0.00183		U
60-57-1	Dieldrin	5	0.00183	0.00183		U
959-98-8	Endosulfan I	5	0.00183	0.00183		U
33213-65-9	Endosulfan II	5	0.00183	0.00183		U
1031-07-8	Endosulfan sulfate	5	0.00183	0.00183		U
72-20-8	Endrin	5	0.00183	0.00183		U
7421-93-4	Endrin aldehyde	5	0.00183	0.00183		U
53494-70-5	Endrin ketone	5	0.00183	0.00183		U
58-89-9	gamma-BHC (Lindane)	5	0.00183	0.00183		U
76-44-8	Heptachlor	5	0.00183	0.00183		U
1024-57-3	Heptachlor epoxide	5	0.00183	0.00183		U
72-43-5	Methoxychlor	5	0.00183	0.00183		U
8001-35-2	Toxaphene	5	0.183	0.183		U
57-74-9	Chlordane, total	5	0.0367	0.0367		U

SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	0.0741	0.0310	41.8	30 - 150	
Tetrachloro-m-xylene	0.0741	0.0498	67.2	30 - 150	

* Values outside of QC limits

SECOND COLUMN ANALYSIS DATA SHEET

HVAC Bottom 3 ft

Laboratory: ALS Environmental - Stratford | SDG: 25H1735

Client: Terracon Consultants, Inc. | Project: HPN HVAC J4257006, 10.2

Matrix: Soil | Laboratory ID: 25H1535-09 | File ID: P7043768.D

Sampled: 08/20/25 14:11 | Prepared: 08/23/25 11:52 | Analyzed: 08/25/25 17:05

Solids: 91.50 | Preparation: EPA 3550C | Initial/Final: 30.2 g / 10 mL

Batch: BH51816 | Sequence: S5H2541 | Calibration: SF50002 | Instrument: PEST7

CAS NO.	COMPOUND	DILUTION	COL 1 (mg/kg dry)	COL 2 (mg/kg dry)	% Diff	Q
72-54-8	4,4'-DDD	5	0.00179	0.00179		U
72-55-9	4,4'-DDE	5	0.00179	0.00179		U
50-29-3	4,4'-DDT	5	0.00179	0.00179		U
309-00-2	Aldrin	5	0.00179	0.00179		U
319-84-6	alpha-BHC	5	0.00179	0.00179		U
319-85-7	beta-BHC	5	0.00179	0.00179		U
319-86-8	delta-BHC	5	0.00179	0.00179		U
60-57-1	Dieldrin	5	0.00179	0.00179		U
959-98-8	Endosulfan I	5	0.00179	0.00179		U
33213-65-9	Endosulfan II	5	0.00179	0.00179		U
1031-07-8	Endosulfan sulfate	5	0.00179	0.00179		U
72-20-8	Endrin	5	0.00179	0.00179		U
7421-93-4	Endrin aldehyde	5	0.00179	0.00179		U
53494-70-5	Endrin ketone	5	0.00179	0.00179		U
58-89-9	gamma-BHC (Lindane)	5	0.00179	0.00179		U
76-44-8	Heptachlor	5	0.00179	0.00179		U
1024-57-3	Heptachlor epoxide	5	0.00179	0.00179		U
72-43-5	Methoxychlor	5	0.00179	0.00179		U
8001-35-2	Toxaphene	5	0.179	0.179		U
57-74-9	Chlordane, total	5	0.0358	0.0358		U

SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	0.0724	0.0376	51.9	30 - 150	
Tetrachloro-m-xylene	0.0724	0.0566	78.2	30 - 150	

* Values outside of QC limits

SECOND COLUMN ANALYSIS DATA SHEET

HVAC DUP

Laboratory: ALS Environmental - Stratford | SDG: 25H1735

Client: Terracon Consultants, Inc. | Project: HPN HVAC J4257006, 10.2

Matrix: Soil | Laboratory ID: 25H1535-10 | File ID: P7043769.D

Sampled: 08/20/25 14:11 | Prepared: 08/23/25 11:52 | Analyzed: 08/25/25 17:35

Solids: 88.88 | Preparation: EPA 3550C | Initial/Final: 30.5 g / 10 mL

Batch: BH51816 | Sequence: S5H2541 | Calibration: SF50002 | Instrument: PEST7

CAS NO.	COMPOUND	DILUTION	COL 1 (mg/kg dry)	COL 2 (mg/kg dry)	% Diff	Q
72-54-8	4,4'-DDD	5	0.00183	0.00183		U
72-55-9	4,4'-DDE	5	0.00183	0.00183		U
50-29-3	4,4'-DDT	5	0.00183	0.00183		U
309-00-2	Aldrin	5	0.00183	0.00183		U
319-84-6	alpha-BHC	5	0.00183	0.00183		U
319-85-7	beta-BHC	5	0.00183	0.00183		U
319-86-8	delta-BHC	5	0.00183	0.00183		U
60-57-1	Dieldrin	5	0.00183	0.00183		U
959-98-8	Endosulfan I	5	0.00183	0.00183		U
33213-65-9	Endosulfan II	5	0.00183	0.00183		U
1031-07-8	Endosulfan sulfate	5	0.00183	0.00183		U
72-20-8	Endrin	5	0.00183	0.00183		U
7421-93-4	Endrin aldehyde	5	0.00183	0.00183		U
53494-70-5	Endrin ketone	5	0.00183	0.00183		U
58-89-9	gamma-BHC (Lindane)	5	0.00183	0.00183		U
76-44-8	Heptachlor	5	0.00183	0.00183		U
1024-57-3	Heptachlor epoxide	5	0.00183	0.00183		U
72-43-5	Methoxychlor	5	0.00183	0.00183		U
8001-35-2	Toxaphene	5	0.183	0.183		U
57-74-9	Chlordane, total	5	0.0365	0.0365		U

SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	0.0738	0.0332	45.0	30 - 150	
Tetrachloro-m-xylene	0.0738	0.0577	78.2	30 - 150	

* Values outside of QC limits

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2541	Instrument:	PEST7
Batch:	BH51816	Calibration:	SF50002

Surrogate Compound	Spike Level mg/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (BH51816-BLK1)			Lab File ID: P7043745.D		Analyzed: 08/25/25 10:01			
Decachlorobiphenyl	0.0664	64.2	30 - 150	10.331	10.345	-0.0140	+/-0.50	
Decachlorobiphenyl [2C]	0.0664	66.5	30 - 150	11.877	11.88762	-0.0106	+/-0.50	
Tetrachloro-m-xylene	0.0664	77.1	30 - 150	2.814	2.817625	-0.0036	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0664	73.7	30 - 150	2.957	2.963625	-0.0066	+/-0.50	
LCS (BH51816-BS1)			Lab File ID: P7043746.D		Analyzed: 08/25/25 10:18			
Decachlorobiphenyl	0.0664	66.6	30 - 150	10.323	10.345	-0.0220	+/-0.50	
Decachlorobiphenyl [2C]	0.0664	69.3	30 - 150	11.875	11.88762	-0.0126	+/-0.50	
Tetrachloro-m-xylene	0.0664	72.3	30 - 150	2.811	2.817625	-0.0066	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0664	68.2	30 - 150	2.958	2.963625	-0.0056	+/-0.50	
HVAC SW North 1-3 (25H1535-05)			Lab File ID: P7043759.D		Analyzed: 08/25/25 14:00			
Decachlorobiphenyl	0.0732	40.0	30 - 150	10.318	10.345	-0.0270	+/-0.50	
Decachlorobiphenyl [2C]	0.0732	39.9	30 - 150	11.873	11.88762	-0.0146	+/-0.50	
Tetrachloro-m-xylene	0.0732	79.1	30 - 150	2.809	2.817625	-0.0086	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0732	63.7	30 - 150	2.958	2.963625	-0.0056	+/-0.50	
HVAC SW South 1-3 (25H1535-06)			Lab File ID: P7043760.D		Analyzed: 08/25/25 14:17			
Decachlorobiphenyl	0.0714	40.0	30 - 150	10.318	10.345	-0.0270	+/-0.50	
Decachlorobiphenyl [2C]	0.0714	38.0	30 - 150	11.872	11.88762	-0.0156	+/-0.50	
Tetrachloro-m-xylene	0.0714	71.8	30 - 150	2.81	2.817625	-0.0076	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0714	62.8	30 - 150	2.959	2.963625	-0.0046	+/-0.50	
HVAC SW East 1-3 (25H1535-07)			Lab File ID: P7043761.D		Analyzed: 08/25/25 14:34			
Decachlorobiphenyl	0.0715	46.5	30 - 150	10.319	10.345	-0.0260	+/-0.50	
Decachlorobiphenyl [2C]	0.0715	46.6	30 - 150	11.873	11.88762	-0.0146	+/-0.50	
Tetrachloro-m-xylene	0.0715	72.5	30 - 150	2.809	2.817625	-0.0086	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0715	67.1	30 - 150	2.958	2.963625	-0.0056	+/-0.50	
HVAC SW West 1-3 (25H1535-08)			Lab File ID: P7043767.D		Analyzed: 08/25/25 16:48			
Decachlorobiphenyl	0.0741	41.8	30 - 150	10.318	10.345	-0.0270	+/-0.50	
Decachlorobiphenyl [2C]	0.0741	40.1	30 - 150	11.872	11.88762	-0.0156	+/-0.50	
Tetrachloro-m-xylene	0.0741	67.2	30 - 150	2.809	2.817625	-0.0086	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0741	54.1	30 - 150	2.958	2.963625	-0.0056	+/-0.50	

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2541	Instrument:	PEST7
Batch:	BH51816	Calibration:	SF50002

Surrogate Compound	Spike Level mg/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
HVAC Bottom 3 ft (25H1535-09)			Lab File ID: P7043768.D		Analyzed: 08/25/25 17:05			
Decachlorobiphenyl	0.0724	51.9	30 - 150	10.319	10.345	-0.0260	+/-0.50	
Decachlorobiphenyl [2C]	0.0724	49.8	30 - 150	11.872	11.88762	-0.0156	+/-0.50	
Tetrachloro-m-xylene	0.0724	78.2	30 - 150	2.809	2.817625	-0.0086	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0724	66.6	30 - 150	2.958	2.963625	-0.0056	+/-0.50	
HVAC DUP (25H1535-10)			Lab File ID: P7043769.D		Analyzed: 08/25/25 17:35			
Decachlorobiphenyl	0.0738	45.0	30 - 150	10.328	10.345	-0.0170	+/-0.50	
Decachlorobiphenyl [2C]	0.0738	42.2	30 - 150	11.875	11.88762	-0.0126	+/-0.50	
Tetrachloro-m-xylene	0.0738	78.2	30 - 150	2.812	2.817625	-0.0056	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0738	67.4	30 - 150	2.958	2.963625	-0.0056	+/-0.50	
Matrix Spike (BH51816-MS1)			Lab File ID: P7043771.D		Analyzed: 08/25/25 18:09			
Decachlorobiphenyl	0.0726	51.4	30 - 150	10.32	10.345	-0.0250	+/-0.50	
Decachlorobiphenyl [2C]	0.0726	46.1	30 - 150	11.873	11.88762	-0.0146	+/-0.50	
Tetrachloro-m-xylene	0.0726	82.0	30 - 150	2.809	2.817625	-0.0086	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0726	70.7	30 - 150	2.958	2.963625	-0.0056	+/-0.50	
Matrix Spike Dup (BH51816-MSD1)			Lab File ID: P7043772.D		Analyzed: 08/25/25 18:26			
Decachlorobiphenyl	0.0726	51.7	30 - 150	10.321	10.345	-0.0240	+/-0.50	
Decachlorobiphenyl [2C]	0.0726	48.2	30 - 150	11.874	11.88762	-0.0136	+/-0.50	
Tetrachloro-m-xylene	0.0726	79.1	30 - 150	2.809	2.817625	-0.0086	+/-0.50	
Tetrachloro-m-xylene [2C]	0.0726	72.5	30 - 150	2.958	2.963625	-0.0056	+/-0.50	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8081B

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51816	Laboratory ID:	BH51816-MS1
Preparation:	EPA 3550C	Initial/Final:	30.1 g / 10 mL

Source Sample Name: 25H1535-09

evaluated for qualification only

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. #	QC LIMITS REC.	Q
4,4'-DDD	0.0363	ND	0.0334	91.9	30 - 150	
4,4'-DDD [2C]	0.0363	ND	0.0437	120	30 - 150	
4,4'-DDE	0.0363	ND	0.0298	82.0	30 - 150	
4,4'-DDE [2C]	0.0363	ND	0.0343	94.5	30 - 150	
4,4'-DDT	0.0363	ND	0.0371	102	30 - 150	
4,4'-DDT [2C]	0.0363	ND	0.0323	88.9	30 - 150	
Aldrin	0.0363	ND	0.0398	110	30 - 150	
Aldrin [2C]	0.0363	ND	0.0332	91.5	30 - 150	
alpha-BHC	0.0363	ND	0.0416	115	30 - 150	
alpha-BHC [2C]	0.0363	ND	0.0243	66.9	30 - 150	
alpha-Chlordane	0.0363	ND	0.0311	85.7	30 - 150	
alpha-Chlordane [2C]	0.0363	ND	0.0327	90.2	30 - 150	
beta-BHC	0.0363	ND	0.0383	105	30 - 150	
beta-BHC [2C]	0.0363	ND	0.0318	87.6	30 - 150	
delta-BHC	0.0363	ND	0.0332	91.5	30 - 150	
delta-BHC [2C]	0.0363	ND	0.0292	80.4	30 - 150	
Dieldrin	0.0363	ND	0.0320	88.2	30 - 150	
Dieldrin [2C]	0.0363	ND	0.0343	94.6	30 - 150	
Endosulfan I	0.0363	ND	0.0323	89.1	30 - 150	
Endosulfan I [2C]	0.0363	ND	0.0346	95.2	30 - 150	
Endosulfan II	0.0363	ND	0.0357	98.3	30 - 150	
Endosulfan II [2C]	0.0363	ND	0.0394	108	30 - 150	
Endosulfan sulfate	0.0363	ND	0.0333	91.6	30 - 150	
Endosulfan sulfate [2C]	0.0363	ND	0.0347	95.6	30 - 150	
Endrin	0.0363	ND	0.0362	99.8	30 - 150	
Endrin [2C]	0.0363	ND	0.0332	91.3	30 - 150	
Endrin aldehyde	0.0363	ND	0.0263	72.4	30 - 150	
Endrin aldehyde [2C]	0.0363	ND	0.0272	74.9	30 - 150	
Endrin ketone	0.0363	ND	0.0377	104	30 - 150	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8081B

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51816	Laboratory ID:	BH51816-MS1
Preparation:	EPA 3550C	Initial/Final:	30.1 g / 10 mL

Source Sample Name: 25H1535-09

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. #	QC LIMITS REC.	Q
Endrin ketone [2C]	0.0363	ND	0.0333	91.7	30 - 150	
gamma-BHC (Lindane)	0.0363	ND	0.0340	93.5	30 - 150	
gamma-BHC (Lindane) [2C]	0.0363	ND	0.0291	80.2	30 - 150	
gamma-Chlordane	0.0363	ND	0.0301	82.8	30 - 150	
gamma-Chlordane [2C]	0.0363	ND	0.0352	96.9	30 - 150	
Heptachlor	0.0363	ND	0.0396	109	30 - 150	
Heptachlor [2C]	0.0363	ND	0.0379	104	30 - 150	
Heptachlor epoxide	0.0363	ND	0.0329	90.7	30 - 150	
Heptachlor epoxide [2C]	0.0363	ND	0.0431	119	30 - 150	
Methoxychlor	0.0363	ND	0.0408	112	30 - 150	
Methoxychlor [2C]	0.0363	ND	0.0353	97.3	30 - 150	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8081B

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51816	Laboratory ID:	BH51816-MSD1
Preparation:	EPA 3550C	Initial/Final:	30.1 g / 10 mL

Source Sample Name: 25H1535-09

COMPOUND	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
4,4'-DDD	0.0363	0.0356	98.1	6.54	30	30 - 150	
4,4'-DDD [2C]	0.0363	0.0430	118	1.58	30	30 - 150	
4,4'-DDE	0.0363	0.0318	87.5	6.54	30	30 - 150	
4,4'-DDE [2C]	0.0363	0.0348	95.8	1.41	30	30 - 150	
4,4'-DDT	0.0363	0.0361	99.5	2.61	30	30 - 150	
4,4'-DDT [2C]	0.0363	0.0367	101	12.8	30	30 - 150	
Aldrin	0.0363	0.0371	102	7.02	30	30 - 150	
Aldrin [2C]	0.0363	0.0333	91.7	0.164	30	30 - 150	
alpha-BHC	0.0363	0.0375	103	10.5	30	30 - 150	
alpha-BHC [2C]	0.0363	0.0264	72.8	8.43	30	30 - 150	
alpha-Chlordane	0.0363	0.0333	91.6	6.66	30	30 - 150	
alpha-Chlordane [2C]	0.0363	0.0342	94.3	4.48	30	30 - 150	
beta-BHC	0.0363	0.0376	104	1.82	30	30 - 150	
beta-BHC [2C]	0.0363	0.0360	99.2	12.4	30	30 - 150	
delta-BHC	0.0363	0.0330	90.9	0.652	30	30 - 150	
delta-BHC [2C]	0.0363	0.0300	82.7	2.78	30	30 - 150	
Dieldrin	0.0363	0.0336	92.5	4.85	30	30 - 150	
Dieldrin [2C]	0.0363	0.0351	96.6	2.08	30	30 - 150	
Endosulfan I	0.0363	0.0347	95.5	6.99	30	30 - 150	
Endosulfan I [2C]	0.0363	0.0360	99.2	4.16	30	30 - 150	
Endosulfan II	0.0363	0.0368	101	3.12	30	30 - 150	
Endosulfan II [2C]	0.0363	0.0389	107	1.06	30	30 - 150	
Endosulfan sulfate	0.0363	0.0348	95.9	4.61	30	30 - 150	
Endosulfan sulfate [2C]	0.0363	0.0360	99.2	3.74	30	30 - 150	
Endrin	0.0363	0.0364	100	0.605	30	30 - 150	
Endrin [2C]	0.0363	0.0357	98.3	7.40	30	30 - 150	
Endrin aldehyde	0.0363	0.0261	71.8	0.693	30	30 - 150	
Endrin aldehyde [2C]	0.0363	0.0273	75.2	0.380	30	30 - 150	
Endrin ketone	0.0363	0.0382	105	1.35	30	30 - 150	
Endrin ketone [2C]	0.0363	0.0359	98.9	7.60	30	30 - 150	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8081B

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51816	Laboratory ID:	BH51816-MSD1
Preparation:	EPA 3550C	Initial/Final:	30.1 g / 10 mL

Source Sample Name: 25H1535-09

COMPOUND	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
gamma-BHC (Lindane)	0.0363	0.0350	96.3	2.87	30	30 - 150	
gamma-BHC (Lindane) [2C]	0.0363	0.0306	84.3	5.05	30	30 - 150	
gamma-Chlordane	0.0363	0.0318	87.5	5.56	30	30 - 150	
gamma-Chlordane [2C]	0.0363	0.0353	97.2	0.289	30	30 - 150	
Heptachlor	0.0363	0.0369	102	6.99	30	30 - 150	
Heptachlor [2C]	0.0363	0.0384	106	1.20	30	30 - 150	
Heptachlor epoxide	0.0363	0.0349	96.1	5.80	30	30 - 150	
Heptachlor epoxide [2C]	0.0363	0.0393	108	9.31	30	30 - 150	
Methoxychlor	0.0363	0.0407	112	0.192	30	30 - 150	
Methoxychlor [2C]	0.0363	0.0376	104	6.34	30	30 - 150	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51816	Laboratory ID:	BH51816-BS1
Preparation:	EPA 3550C	Initial/Final:	30.1 g / 10 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
4,4'-DDD	0.0332	0.0259	78.1	40 - 140	
4,4'-DDD [2C]	0.0332	0.0283	85.3	40 - 140	
4,4'-DDE	0.0332	0.0257	77.4	40 - 140	
4,4'-DDE [2C]	0.0332	0.0270	81.2	40 - 140	
4,4'-DDT	0.0332	0.0270	81.4	40 - 140	
4,4'-DDT [2C]	0.0332	0.0275	82.8	40 - 140	
Aldrin	0.0332	0.0267	80.2	40 - 140	
Aldrin [2C]	0.0332	0.0266	80.2	40 - 140	
alpha-BHC	0.0332	0.0262	78.8	40 - 140	
alpha-BHC [2C]	0.0332	0.0210	63.2	40 - 140	
alpha-Chlordane	0.0332	0.0270	81.3	40 - 140	
alpha-Chlordane [2C]	0.0332	0.0267	80.3	40 - 140	
beta-BHC	0.0332	0.0282	85.0	40 - 140	
beta-BHC [2C]	0.0332	0.0276	83.0	40 - 140	
delta-BHC	0.0332	0.0240	72.2	40 - 140	
delta-BHC [2C]	0.0332	0.0215	64.8	40 - 140	
Dieldrin	0.0332	0.0267	80.4	40 - 140	
Dieldrin [2C]	0.0332	0.0266	80.1	40 - 140	
Endosulfan I	0.0332	0.0295	88.8	40 - 140	
Endosulfan I [2C]	0.0332	0.0286	86.0	40 - 140	
Endosulfan II	0.0332	0.0290	87.4	40 - 140	
Endosulfan II [2C]	0.0332	0.0300	90.3	40 - 140	
Endosulfan sulfate	0.0332	0.0268	80.8	40 - 140	
Endosulfan sulfate [2C]	0.0332	0.0273	82.1	40 - 140	
Endrin	0.0332	0.0268	80.6	40 - 140	
Endrin [2C]	0.0332	0.0270	81.4	40 - 140	
Endrin aldehyde	0.0332	0.0196	58.9	40 - 140	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51816	Laboratory ID:	BH51816-BS1
Preparation:	EPA 3550C	Initial/Final:	30.1 g / 10 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
Endrin aldehyde [2C]	0.0332	0.0202	60.9	40 - 140	
Endrin ketone	0.0332	0.0287	86.2	40 - 140	
Endrin ketone [2C]	0.0332	0.0288	86.6	40 - 140	
gamma-BHC (Lindane)	0.0332	0.0257	77.3	40 - 140	
gamma-BHC (Lindane) [2C]	0.0332	0.0227	68.4	40 - 140	
gamma-Chlordane	0.0332	0.0268	80.8	40 - 140	
gamma-Chlordane [2C]	0.0332	0.0274	82.6	40 - 140	
Heptachlor	0.0332	0.0266	80.0	40 - 140	
Heptachlor [2C]	0.0332	0.0289	87.0	40 - 140	
Heptachlor epoxide	0.0332	0.0275	82.9	40 - 140	
Heptachlor epoxide [2C]	0.0332	0.0274	82.4	40 - 140	
Methoxychlor	0.0332	0.0274	82.3	40 - 140	
Methoxychlor [2C]	0.0332	0.0292	88.0	40 - 140	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8081B

Laboratory: ALS Environmental - Stratford SDG: 25H1535

Client: Terracon Consultants, Inc. Project: HPN HVAC J4257006, 10.2

Batch: BH51816 Batch Matrix: Soil Preparation: EPA 3550C

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC SW North 1-3	25H1535-05	P7043759.D	08/23/25 11:52	
HVAC SW South 1-3	25H1535-06	P7043760.D	08/23/25 11:52	
HVAC SW East 1-3	25H1535-07	P7043761.D	08/23/25 11:52	
HVAC SW West 1-3	25H1535-08	P7043767.D	08/23/25 11:52	
HVAC Bottom 3 ft	25H1535-09	P7043768.D	08/23/25 11:52	
HVAC DUP	25H1535-10	P7043769.D	08/23/25 11:52	
Blank	BH51816-BLK1	P7043745.D	08/24/25 10:20	
LCS	BH51816-BS1	P7043746.D	08/24/25 10:20	
HVAC Bottom 3 ft	BH51816-MS1	P7043771.D	08/24/25 10:20	
HVAC Bottom 3 ft	BH51816-MSD1	P7043772.D	08/24/25 10:20	

FORM I

CLEAN BLANK

METHOD BLANK DATA SHEET

EPA 8081B

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51816-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SF50002
Preparation:	EPA 3550C	Prepared:	08/24/25 10:20	File ID:	P7043745.D
Instrument:	PEST7	Analyzed:	08/25/25 10:01	Initial/Final:	30.1 g / 10 mL
Batch:	BH51816	Sequence:	S5H2541	Matrix:	Soil

Analyzed by: **ALS Environmental - Stratford**

Organochlorine Pesticides by GC/ECD

Sample Prepared by Method: EPA 3550C

Results Reported to RL

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
72-54-8	4,4'-DDD [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
72-55-9	4,4'-DDE	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
72-55-9	4,4'-DDE [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
50-29-3	4,4'-DDT	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
50-29-3	4,4'-DDT [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
309-00-2	Aldrin	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
309-00-2	Aldrin [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
319-84-6	alpha-BHC	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
319-84-6	alpha-BHC [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
5103-71-9	alpha-Chlordane	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
5103-71-9	alpha-Chlordane [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
319-85-7	beta-BHC	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
319-85-7	beta-BHC [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
57-74-9	Chlordane, total	ND		mg/kg wet	0.0329	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
57-74-9	Chlordane, total (alpha, gamma)	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
57-74-9	Chlordane, total (alpha, gamma) [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
57-74-9	Chlordane, total [2C]	ND		mg/kg wet	0.0329	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
319-86-8	delta-BHC	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
319-86-8	delta-BHC [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
60-57-1	Dieldrin	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
60-57-1	Dieldrin [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
959-98-8	Endosulfan I	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
959-98-8	Endosulfan I [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
33213-65-9	Endosulfan II	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
33213-65-9	Endosulfan II [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
1031-07-8	Endosulfan sulfate	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
1031-07-8	Endosulfan sulfate [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
72-20-8	Endrin	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
72-20-8	Endrin [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
7421-93-4	Endrin aldehyde	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
7421-93-4	Endrin aldehyde [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
53494-70-5	Endrin ketone	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
53494-70-5	Endrin ketone [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
58-89-9	gamma-BHC (Lindane)	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
58-89-9	gamma-BHC (Lindane) [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
5566-34-7	gamma-Chlordane	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
5566-34-7	gamma-Chlordane [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
76-44-8	Heptachlor	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
76-44-8	Heptachlor [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
1024-57-3	Heptachlor epoxide	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
1024-57-3	Heptachlor epoxide [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
72-43-5	Methoxychlor	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	

FORM I

METHOD BLANK DATA SHEET
EPA 8081B

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51816-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SF50002
Preparation:	EPA 3550C	Prepared:	08/24/25 10:20	File ID:	P7043745.D
Instrument:	PEST7	Analyzed:	08/25/25 10:01	Initial/Final:	30.1 g / 10 mL
Batch:	BH51816	Sequence:	S5H2541	Matrix:	Soil

Organochlorine Pesticides by GC/ECD
Sample Prepared by Method: EPA 3550C

Results Reported to RL

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
72-43-5	Methoxychlor [2C]	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
2385-85-5	Mirex	ND		mg/kg wet	0.00164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
2385-85-5	Mirex [2C]	ND		mg/kg wet	0.00165	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
8001-35-2	Toxaphene	ND		mg/kg wet	0.164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	
8001-35-2	Toxaphene [2C]	ND		mg/kg wet	0.164	5	EPA 8081B	08/24/25 10:20	08/25/25 10:01	

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	Decachlorobiphenyl	*64.2 %*	*30-150*
2051-24-3	Decachlorobiphenyl [2C]	*66.5 %*	*30-150*
877-09-8	Tetrachloro-m-xylene	*77.1 %*	*30-150*
877-09-8	Tetrachloro-m-xylene [2C]	*73.7 %*	*30-150*

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5B0502	Instrument:	PEST7
		Calibration:	SF50002

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Performance Mix	S5B0502-PEM1	P7035859.D	02/05/25 08:03
Cal Standard	S5B0502-CAL8	P7035864.D	02/05/25 15:06
Cal Standard	S5B0502-CAL9	P7035865.D	02/05/25 15:23
Cal Standard	S5B0502-CALA	P7035866.D	02/05/25 15:40
Cal Standard	S5B0502-CALB	P7035867.D	02/05/25 15:57
Cal Standard	S5B0502-CALC	P7035868.D	02/05/25 16:15
Cal Standard	S5B0502-CALD	P7035869.D	02/05/25 16:32
Cal Standard	S5B0502-CALE	P7035870.D	02/05/25 16:49

calibration evaluated in 25H1532

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5C1715	Instrument:	PEST7
		Calibration:	SI50008

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Performance Mix	S5C1715-PEM1	P7037214.D	03/14/25 09:44
Secondary Cal Check	S5C1715-SCV1	P7037225.D	03/14/25 13:09
Cal Standard	S5C1715-CALO	P7037226.D	03/14/25 13:26
Cal Standard	S5C1715-CALF	P7037227.D	03/14/25 13:43
Cal Standard	S5C1715-CALG	P7037228.D	03/14/25 14:00
Cal Standard	S5C1715-CALH	P7037229.D	03/14/25 14:18
Cal Standard	S5C1715-CALI	P7037230.D	03/14/25 14:35
Cal Standard	S5C1715-CALJ	P7037231.D	03/14/25 14:52
Cal Standard	S5C1715-CALK	P7037232.D	03/14/25 15:09
Cal Standard	S5C1715-CALL	P7037233.D	03/14/25 15:27

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5F0208	Instrument:	PEST7
		Calibration:	SI50008

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Performance Mix	S5F0208-PEM1	P7040589.D	06/02/25 08:24
Cal Standard	S5F0208-CALM	P7040595.D	06/02/25 10:30
Cal Standard	S5F0208-CAL1	P7040596.D	06/02/25 10:47
Cal Standard	S5F0208-CAL2	P7040597.D	06/02/25 11:04
Cal Standard	S5F0208-CAL3	P7040598.D	06/02/25 11:21
Cal Standard	S5F0208-CAL4	P7040599.D	06/02/25 11:38
Cal Standard	S5F0208-CAL5	P7040600.D	06/02/25 11:55
Cal Standard	S5F0208-CAL6	P7040601.D	06/02/25 12:12
Cal Standard	S5F0208-CAL7	P7040602.D	06/02/25 12:29
Secondary Cal Check	S5F0208-SCV1	P7040603.D	06/02/25 12:46

FORM V **ANALYSIS BATCH (SEQUENCE) SUMMARY**

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Sequence: S5H2541
Instrument: PEST7
Calibration: SF50002

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Performance Mix	S5H2541-PEM1	P7043740.D	08/25/25 08:16
Calibration Check	S5H2541-CCV1	P7043742.D	08/25/25 08:50
Calibration Check	S5H2541-CCV2	P7043743.D	08/25/25 09:07
Calibration Check	S5H2541-CCV3	P7043744.D	08/25/25 09:24
Blank	BH51816-BLK1	P7043745.D	08/25/25 10:01
LCS	BH51816-BS1	P7043746.D	08/25/25 10:18
HVAC SW North 1-3	25H1535-05	P7043759.D	08/25/25 14:00
HVAC SW South 1-3	25H1535-06	P7043760.D	08/25/25 14:17
HVAC SW East 1-3	25H1535-07	P7043761.D	08/25/25 14:34
Calibration Check	S5H2541-CCV4	P7043766.D	08/25/25 16:31
HVAC SW West 1-3	25H1535-08	P7043767.D	08/25/25 16:48
HVAC Bottom 3 ft	25H1535-09	P7043768.D	08/25/25 17:05
HVAC DUP	25H1535-10	P7043769.D	08/25/25 17:35
HVAC Bottom 3 ft	BH51816-MS1	P7043771.D	08/25/25 18:09
HVAC Bottom 3 ft	BH51816-MSD1	P7043772.D	08/25/25 18:26
Calibration Check	S5H2541-CCV5	P7043777.D	08/25/25 20:41
Performance Mix	S5H2541-PEM2	P7043779.D	08/25/25 21:15
Performance Mix	S5H2541-PEM3	P7043810.D	08/26/25 07:52
Calibration Check	S5H2541-CCV6	P7043811.D	08/26/25 08:10

FORM VI

INITIAL CALIBRATION DATA

EPA 8081B

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SF50002

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: PEST7

Calibration Date: 06/02/25 13:12

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
4,4'-DDD	0.5	2.877386E+07	1	2.630448E+07	2	2.647762E+07	5	3.13E+07	20	2.943E+07	50	2.5038E+07
4,4'-DDD [2C]	0.5	1.157105E+08	1	9.679205E+07	2	9.005E+07	5	1.0204E+08	20	9.579E+07	50	7.7416E+07
4,4'-DDE	0.5	2.9537E+07	1	2.818198E+07	2	2.937752E+07	5	3.598E+07	20	3.4185E+07	50	2.9038E+07
4,4'-DDE [2C]	0.5	1.472472E+08	1	1.187E+08	2	1.169E+08	5	1.3482E+08	20	1.2691E+08	50	1.06168E+08
4,4'-DDT	0.5	2.969998E+07	1	2.79617E+07	2	2.777516E+07	5	3.308E+07	20	3.08E+07	50	2.5978E+07
4,4'-DDT [2C]	0.5	1.045778E+08	1	9.357325E+07	2	8.945E+07	5	1.016E+08	20	9.4225E+07	50	8.1198E+07
Aldrin	0.5	4.005874E+07	1	3.759458E+07	2	3.84212E+07	5	4.62E+07	20	4.15E+07	50	3.5978E+07
Aldrin [2C]	0.5	1.395375E+08	1	1.435E+08	2	1.282E+08	5	1.5298E+08	20	1.4198E+08	50	1.23352E+08
alpha-BHC	0.5	4.058704E+07	1	3.624921E+07	2	4.006836E+07	5	4.73E+07	20	4.4855E+07	50	4.0834E+07
alpha-BHC [2C]	0.5	1.499954E+08	1	1.509E+08	2	1.487E+08	5	1.7378E+08	20	1.6911E+08	50	1.55446E+08
alpha-Chlordane	0.5	4.205292E+07	1	3.789726E+07	2	3.669074E+07	5	4.142E+07	20	3.6855E+07	50	3.1436E+07
alpha-Chlordane [2C]	0.5	1.563964E+08	1	1.37E+08	2	1.235E+08	5	1.3976E+08	20	1.2761E+08	50	1.1088E+08
beta-BHC	0.5	2.677118E+07	1	2.094312E+07	2	1.924354E+07	5	1.953373E+07	20	1.67E+07	50	1.4356E+07
beta-BHC [2C]	0.5	1.006247E+08	1	8.254058E+07	2	6.525E+07	5	6.832E+07	20	5.986E+07	50	5.2426E+07
Decachlorobiphenyl	10	2.359E+07	20	2.261E+07	40	2.2145E+07	80	2.572375E+07	120	2.355333E+07	160	2.11325E+07
Decachlorobiphenyl [2C]	10	7.83E+07	20	7.5235E+07	40	7.3855E+07	80	8.572626E+07	120	7.857833E+07	160	6.959125E+07
delta-BHC	0.5	5.001178E+07	1	3.967086E+07	2	3.643853E+07	5	4.096E+07	20	3.8585E+07	50	3.55E+07
delta-BHC [2C]	0.5	1.897852E+08	1	1.558E+08	2	1.2925E+08	5	1.4532E+08	20	1.40975E+08	50	1.31486E+08
Dieldrin	0.5	3.75715E+07	1	3.576908E+07	2	3.563134E+07	5	4.23E+07	20	3.82E+07	50	3.2286E+07
Dieldrin [2C]	0.5	1.470869E+08	1	1.248E+08	2	1.3065E+08	5	1.4372E+08	20	1.33535E+08	50	1.13674E+08
Endosulfan I	0.5	3.911894E+07	1	3.647428E+07	2	3.602592E+07	5	4.02E+07	20	3.5145E+07	50	2.8846E+07
Endosulfan I [2C]	0.5	1.422031E+08	1	1.296E+08	2	1.167E+08	5	1.279E+08	20	1.1602E+08	50	9.601599E+07
Endosulfan II	0.5	4.12677E+07	1	3.524946E+07	2	3.325226E+07	5	3.66E+07	20	3.1685E+07	50	2.4412E+07
Endosulfan II [2C]	0.5	1.601652E+08	1	1.332E+08	2	1.2035E+08	5	1.2918E+08	20	1.13155E+08	50	8.8156E+07
Endosulfan sulfate	0.5	4.806226E+07	1	3.729333E+07	2	3.338012E+07	5	3.562E+07	20	2.9925E+07	50	2.5026E+07
Endosulfan sulfate [2C]	0.5	1.760396E+08	1	1.336E+08	2	1.1515E+08	5	1.2152E+08	20	1.04475E+08	50	8.8506E+07
Endrin	0.5	3.598738E+07	1	3.308936E+07	2	3.283987E+07	5	3.786E+07	20	3.3915E+07	50	2.8242E+07
Endrin [2C]	0.5	1.362034E+08	1	1.128E+08	2	1.1255E+08	5	1.2582E+08	20	1.12045E+08	50	9.3756E+07
Endrin aldehyde	0.5	4.185882E+07	1	3.060104E+07	2	2.582138E+07	5	2.648E+07	20	2.1805E+07	50	1.8858E+07

FORM VI

INITIAL CALIBRATION DATA

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SF50002
Instrument: PEST7
Calibration Date: 06/02/25 13:12

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Endrin aldehyde [2C]	0.5	1.639058E+08	1	1.153E+08	2	9.34E+07	5	9.398E+07	20	7.8515E+07	50	6.7884E+07
Endrin ketone	0.5	4.62837E+07	1	3.904887E+07	2	3.65747E+07	5	3.994E+07	20	3.432E+07	50	2.7612E+07
Endrin ketone [2C]	0.5	1.629897E+08	1	1.332E+08	2	1.2565E+08	5	1.348E+08	20	1.1688E+08	50	9.4418E+07
gamma-BHC (Lindane)	0.5	3.75054E+07	1	3.44394E+07	2	3.547199E+07	5	4.168E+07	20	3.953E+07	50	3.6074E+07
gamma-BHC (Lindane) [2C]	0.5	1.417917E+08	1	1.308E+08	2	1.192E+08	5	1.3828E+08	20	1.4107E+08	50	1.34506E+08
gamma-Chlordane	0.5	4.276104E+07	1	3.796773E+07	2	3.70513E+07	5	4.166E+07	20	3.7455E+07	50	3.233E+07
gamma-Chlordane [2C]	0.5	1.502203E+08	1	1.373E+08	2	1.2255E+08	5	1.4158E+08	20	1.31415E+08	50	1.14874E+08
Heptachlor	0.5	4.16487E+07	1	3.922231E+07	2	4.035599E+07	5	4.514E+07	20	4.0455E+07	50	3.4946E+07
Heptachlor [2C]	0.5	1.390056E+08	1	1.355E+08	2	1.2435E+08	5	1.4296E+08	20	1.29405E+08	50	1.08602E+08
Heptachlor epoxide	0.5	4.060988E+07	1	3.648512E+07	2	3.602346E+07	5	4.044E+07	20	3.543E+07	50	2.9964E+07
Heptachlor epoxide [2C]	0.5	1.51321E+08	1	1.479E+08	2	1.2205E+08	5	1.3692E+08	20	1.2035E+08	50	1.0137E+08
Methoxychlor	0.5	1.865272E+07	1	1.72538E+07	2	1.695467E+07	5	1.90392E+07	20	1.611E+07	50	1.2858E+07
Methoxychlor [2C]	0.5	5.880958E+07	1	5.546027E+07	2	5.715E+07	5	6.028E+07	20	4.9E+07	50	3.922E+07
Mirex	0.5	3.785062E+07	1	3.314908E+07	2	3.092312E+07	5	3.254E+07	20	2.6475E+07	50	2.1062E+07
Mirex [2C]	0.5	1.291648E+08	1	1.138E+08	2	1.0695E+08	5	1.0796E+08	20	8.9655E+07	50	6.4166E+07
Tetrachloro-m-xylene	10	2.614E+07	20	2.427E+07	40	2.497E+07	80	2.970875E+07	120	2.795083E+07	160	2.602375E+07
Tetrachloro-m-xylene [2C]	10	1.0524E+08	20	1.0192E+08	40	1.01945E+08	80	1.19315E+08	120	1.085142E+08	160	1.053819E+08

FORM VI

INITIAL CALIBRATION DATA

EPA 8081B

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SI50008

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: PEST7

Calibration Date: 09/05/25 17:50

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
4,4'-DDD	0.5	2.877386E+07	1	2.630448E+07	2	2.647762E+07	5	3.13E+07	20	2.943E+07	50	2.5038E+07
4,4'-DDD [2C]	0.5	1.157105E+08	1	9.679205E+07	2	9.005E+07	5	1.0204E+08	20	9.579E+07	50	7.7416E+07
4,4'-DDE	0.5	2.9537E+07	1	2.818198E+07	2	2.937752E+07	5	3.598E+07	20	3.4185E+07	50	2.9038E+07
4,4'-DDE [2C]	0.5	1.472472E+08	1	1.187E+08	2	1.169E+08	5	1.3482E+08	20	1.2691E+08	50	1.06168E+08
4,4'-DDT	0.5	2.969998E+07	1	2.79617E+07	2	2.777516E+07	5	3.308E+07	20	3.08E+07	50	2.5978E+07
4,4'-DDT [2C]	0.5	1.045778E+08	1	9.357325E+07	2	8.945E+07	5	1.016E+08	20	9.4225E+07	50	8.1198E+07
Aldrin	0.5	4.005874E+07	1	3.759458E+07	2	3.84212E+07	5	4.62E+07	20	4.15E+07	50	3.5978E+07
Aldrin [2C]	0.5	1.395375E+08	1	1.435E+08	2	1.282E+08	5	1.5298E+08	20	1.4198E+08	50	1.23352E+08
alpha-BHC	0.5	4.058704E+07	1	3.624921E+07	2	4.006836E+07	5	4.73E+07	20	4.4855E+07	50	4.0834E+07
alpha-BHC [2C]	0.5	1.499954E+08	1	1.509E+08	2	1.487E+08	5	1.7378E+08	20	1.6911E+08	50	1.55446E+08
alpha-Chlordane	0.5	4.205292E+07	1	3.789726E+07	2	3.669074E+07	5	4.142E+07	20	3.6855E+07	50	3.1436E+07
alpha-Chlordane [2C]	0.5	1.563964E+08	1	1.37E+08	2	1.235E+08	5	1.3976E+08	20	1.2761E+08	50	1.1088E+08
beta-BHC	0.5	2.677118E+07	1	2.094312E+07	2	1.924354E+07	5	1.953373E+07	20	1.67E+07	50	1.4356E+07
beta-BHC [2C]	0.5	1.006247E+08	1	8.254058E+07	2	6.525E+07	5	6.832E+07	20	5.986E+07	50	5.2426E+07
Decachlorobiphenyl	10	2.359E+07	20	2.261E+07	40	2.2145E+07	80	2.572375E+07	120	2.355333E+07	160	2.11325E+07
Decachlorobiphenyl [2C]	10	7.83E+07	20	7.5235E+07	40	7.3855E+07	80	8.572626E+07	120	7.857833E+07	160	6.959125E+07
delta-BHC	0.5	5.001178E+07	1	3.967086E+07	2	3.643853E+07	5	4.096E+07	20	3.8585E+07	50	3.55E+07
delta-BHC [2C]	0.5	1.897852E+08	1	1.558E+08	2	1.2925E+08	5	1.4532E+08	20	1.40975E+08	50	1.31486E+08
Dieldrin	0.5	3.75715E+07	1	3.576908E+07	2	3.563134E+07	5	4.23E+07	20	3.82E+07	50	3.2286E+07
Dieldrin [2C]	0.5	1.470869E+08	1	1.248E+08	2	1.3065E+08	5	1.4372E+08	20	1.33535E+08	50	1.13674E+08
Endosulfan I	0.5	3.911894E+07	1	3.647428E+07	2	3.602592E+07	5	4.02E+07	20	3.5145E+07	50	2.8846E+07
Endosulfan I [2C]	0.5	1.422031E+08	1	1.296E+08	2	1.167E+08	5	1.279E+08	20	1.1602E+08	50	9.601599E+07
Endosulfan II	0.5	4.12677E+07	1	3.524946E+07	2	3.325226E+07	5	3.66E+07	20	3.1685E+07	50	2.4412E+07
Endosulfan II [2C]	0.5	1.601652E+08	1	1.332E+08	2	1.2035E+08	5	1.2918E+08	20	1.13155E+08	50	8.8156E+07
Endosulfan sulfate	0.5	4.806226E+07	1	3.729333E+07	2	3.338012E+07	5	3.562E+07	20	2.9925E+07	50	2.5026E+07
Endosulfan sulfate [2C]	0.5	1.760396E+08	1	1.336E+08	2	1.1515E+08	5	1.2152E+08	20	1.04475E+08	50	8.8506E+07
Endrin	0.5	3.598738E+07	1	3.308936E+07	2	3.283987E+07	5	3.786E+07	20	3.3915E+07	50	2.8242E+07
Endrin [2C]	0.5	1.362034E+08	1	1.128E+08	2	1.1255E+08	5	1.2582E+08	20	1.12045E+08	50	9.3756E+07
Endrin aldehyde	0.5	4.185882E+07	1	3.060104E+07	2	2.582138E+07	5	2.648E+07	20	2.1805E+07	50	1.8858E+07

FORM VI INITIAL CALIBRATION DATA

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SI50008
Instrument: PEST7
Calibration Date: 09/05/25 17:50

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Endrin aldehyde [2C]	0.5	1.639058E+08	1	1.153E+08	2	9.34E+07	5	9.398E+07	20	7.8515E+07	50	6.7884E+07
Endrin ketone	0.5	4.62837E+07	1	3.904887E+07	2	3.65747E+07	5	3.994E+07	20	3.432E+07	50	2.7612E+07
Endrin ketone [2C]	0.5	1.629897E+08	1	1.332E+08	2	1.2565E+08	5	1.348E+08	20	1.1688E+08	50	9.4418E+07
gamma-BHC (Lindane)	0.5	3.75054E+07	1	3.44394E+07	2	3.547199E+07	5	4.168E+07	20	3.953E+07	50	3.6074E+07
gamma-BHC (Lindane) [2C]	0.5	1.417917E+08	1	1.308E+08	2	1.192E+08	5	1.3828E+08	20	1.4107E+08	50	1.34506E+08
gamma-Chlordane	0.5	4.276104E+07	1	3.796773E+07	2	3.70513E+07	5	4.166E+07	20	3.7455E+07	50	3.233E+07
gamma-Chlordane [2C]	0.5	1.502203E+08	1	1.373E+08	2	1.2255E+08	5	1.4158E+08	20	1.31415E+08	50	1.14874E+08
Heptachlor	0.5	4.16487E+07	1	3.922231E+07	2	4.035599E+07	5	4.514E+07	20	4.0455E+07	50	3.4946E+07
Heptachlor [2C]	0.5	1.390056E+08	1	1.355E+08	2	1.2435E+08	5	1.4296E+08	20	1.29405E+08	50	1.08602E+08
Heptachlor epoxide	0.5	4.060988E+07	1	3.648512E+07	2	3.602346E+07	5	4.044E+07	20	3.543E+07	50	2.9964E+07
Heptachlor epoxide [2C]	0.5	1.51321E+08	1	1.479E+08	2	1.2205E+08	5	1.3692E+08	20	1.2035E+08	50	1.0137E+08
Methoxychlor	0.5	1.865272E+07	1	1.72538E+07	2	1.695467E+07	5	1.90392E+07	20	1.611E+07	50	1.2858E+07
Methoxychlor [2C]	0.5	5.880958E+07	1	5.546027E+07	2	5.715E+07	5	6.028E+07	20	4.9E+07	50	3.922E+07
Mirex	0.5	3.785062E+07	1	3.314908E+07	2	3.092312E+07	5	3.254E+07	20	2.6475E+07	50	2.1062E+07
Mirex [2C]	0.5	1.291648E+08	1	1.138E+08	2	1.0695E+08	5	1.0796E+08	20	8.9655E+07	50	6.4166E+07
Tetrachloro-m-xylene	10	2.614E+07	20	2.427E+07	40	2.497E+07	80	2.970875E+07	120	2.795083E+07	160	2.602375E+07
Tetrachloro-m-xylene [2C]	10	1.0524E+08	20	1.0192E+08	40	1.01945E+08	80	1.19315E+08	120	1.085142E+08	160	1.053819E+08

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SF50002
Instrument: PEST7
Calibration Date: 06/02/25 13:12

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
4,4'-DDD	100	2.5495E+07	200	3.17855E+07								
4,4'-DDD [2C]	100	8.2742E+07	200	1.05716E+08								
4,4'-DDE	100	2.9531E+07	200	3.6687E+07								
4,4'-DDE [2C]	100	1.06159E+08	200	1.27136E+08								
4,4'-DDT	100	2.668E+07	200	3.32765E+07								
4,4'-DDT [2C]	100	8.3638E+07	200	1.04958E+08								
Aldrin	100	3.4509E+07	200	4.23565E+07								
Aldrin [2C]	100	1.1747E+08	200	1.404575E+08								
alpha-BHC	100	4.0281E+07	200	5.10735E+07								
alpha-BHC [2C]	100	1.55379E+08	200	1.5592E+08								
alpha-Chlordane	100	3.1025E+07	200	3.84985E+07								
alpha-Chlordane [2C]	100	1.09888E+08	200	1.366015E+08								
beta-BHC	100	1.3631E+07	200	1.74885E+07								
beta-BHC [2C]	100	4.9736E+07	200	6.43105E+07								
Chlordane, total					10	3665576	20	3485482	80	2884450	200	3018834
Chlordane, total [2C]					10	1.018628E+07	20	9608335	80	7565000	200	8761335
Decachlorobiphenyl	200	2.64745E+07	240	2.388E+07								
Decachlorobiphenyl [2C]	200	8.6808E+07	240	7.8075E+07								
delta-BHC	100	3.4013E+07	200	4.4365E+07								
delta-BHC [2C]	100	1.26818E+08	200	1.507E+08								
Dieldrin	100	3.1668E+07	200	3.86045E+07								
Dieldrin [2C]	100	1.08665E+08	200	1.27945E+08								
Endosulfan I	100	2.7783E+07	200	3.32525E+07								
Endosulfan I [2C]	100	9.135299E+07	200	1.065865E+08								
Endosulfan II	100	2.4044E+07	200	2.9117E+07								
Endosulfan II [2C]	100	8.590999E+07	200	1.008965E+08								
Endosulfan sulfate	100	2.3924E+07	200	2.97565E+07								
Endosulfan sulfate [2C]	100	8.4635E+07	200	1.041405E+08								
Endrin	100	2.7649E+07	200	3.3493E+07								

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8081B

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SF50002

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: PEST7

Calibration Date: 06/02/25 13:12

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Endrin [2C]	100	8.9882E+07	200	1.058655E+08								
Endrin aldehyde	100	1.6319E+07	200									
Endrin aldehyde [2C]	100	5.8931E+07	200									
Endrin ketone	100	2.7549E+07	200	3.33385E+07								
Endrin ketone [2C]	100	9.306E+07	200	1.09979E+08								
gamma-BHC (Lindane)	100	3.5283E+07	200	4.4331E+07								
gamma-BHC (Lindane) [2C]	100	1.32206E+08	200	1.455385E+08								
gamma-Chlordane	100	3.2079E+07	200	3.9673E+07								
gamma-Chlordane [2C]	100	1.13242E+08	200	1.42289E+08								
Heptachlor	100	3.317E+07	200	4.0549E+07								
Heptachlor [2C]	100	1.00533E+08	200	1.245025E+08								
Heptachlor epoxide	100	2.8761E+07	200	3.52635E+07								
Heptachlor epoxide [2C]	100	9.5511E+07	200	1.12682E+08								
Methoxychlor	100	1.2933E+07	200	1.57425E+07								
Methoxychlor [2C]	100	3.8648E+07	200	4.60455E+07								
Mirex	100	2.1393E+07	200	2.6177E+07								
Mirex [2C]	100	7.3585E+07	200	9.50675E+07								
Tetrachloro-m-xylene	200	2.4378E+07	240	2.870208E+07								
Tetrachloro-m-xylene [2C]	200	9.69465E+07	240	1.087096E+08								

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SI50008
Instrument: PEST7
Calibration Date: 09/05/25 17:50

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
4,4'-DDD	100	2.5495E+07	200	3.17855E+07								
4,4'-DDD [2C]	100	8.2742E+07	200	1.05716E+08								
4,4'-DDE	100	2.9531E+07	200	3.6687E+07								
4,4'-DDE [2C]	100	1.06159E+08	200	1.27136E+08								
4,4'-DDT	100	2.668E+07	200	3.32765E+07								
4,4'-DDT [2C]	100	8.3638E+07	200	1.04958E+08								
Aldrin	100	3.4509E+07	200	4.23565E+07								
Aldrin [2C]	100	1.1747E+08	200	1.404575E+08								
alpha-BHC	100	4.0281E+07	200	5.10735E+07								
alpha-BHC [2C]	100	1.55379E+08	200	1.5592E+08								
alpha-Chlordane	100	3.1025E+07	200	3.84985E+07								
alpha-Chlordane [2C]	100	1.09888E+08	200	1.366015E+08								
beta-BHC	100	1.3631E+07	200	1.74885E+07								
beta-BHC [2C]	100	4.9736E+07	200	6.43105E+07								
Chlordane, total					5	5284008	10	4667476	20	4458978	80	4030417
Chlordane, total [2C]					5	1.496302E+07	10	1.16051E+07	20	1.064167E+07	80	9340000
Decachlorobiphenyl	200	2.64745E+07	240	2.388E+07								
Decachlorobiphenyl [2C]	200	8.6808E+07	240	7.8075E+07								
delta-BHC	100	3.4013E+07	200	4.4365E+07								
delta-BHC [2C]	100	1.26818E+08	200	1.507E+08								
Dieldrin	100	3.1668E+07	200	3.86045E+07								
Dieldrin [2C]	100	1.08665E+08	200	1.27945E+08								
Endosulfan I	100	2.7783E+07	200	3.32525E+07								
Endosulfan I [2C]	100	9.135299E+07	200	1.065865E+08								
Endosulfan II	100	2.4044E+07	200	2.9117E+07								
Endosulfan II [2C]	100	8.590999E+07	200	1.008965E+08								
Endosulfan sulfate	100	2.3924E+07	200	2.97565E+07								
Endosulfan sulfate [2C]	100	8.4635E+07	200	1.041405E+08								
Endrin	100	2.7649E+07	200	3.3493E+07								

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SI50008
Instrument: PEST7
Calibration Date: 09/05/25 17:50

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Endrin [2C]	100	8.9882E+07	200	1.058655E+08								
Endrin aldehyde	100	1.6319E+07	200									
Endrin aldehyde [2C]	100	5.8931E+07	200									
Endrin ketone	100	2.7549E+07	200	3.33385E+07								
Endrin ketone [2C]	100	9.306E+07	200	1.09979E+08								
gamma-BHC (Lindane)	100	3.5283E+07	200	4.4331E+07								
gamma-BHC (Lindane) [2C]	100	1.32206E+08	200	1.455385E+08								
gamma-Chlordane	100	3.2079E+07	200	3.9673E+07								
gamma-Chlordane [2C]	100	1.13242E+08	200	1.42289E+08								
Heptachlor	100	3.317E+07	200	4.0549E+07								
Heptachlor [2C]	100	1.00533E+08	200	1.245025E+08								
Heptachlor epoxide	100	2.8761E+07	200	3.52635E+07								
Heptachlor epoxide [2C]	100	9.5511E+07	200	1.12682E+08								
Methoxychlor	100	1.2933E+07	200	1.57425E+07								
Methoxychlor [2C]	100	3.8648E+07	200	4.60455E+07								
Mirex	100	2.1393E+07	200	2.6177E+07								
Mirex [2C]	100	7.3585E+07	200	9.50675E+07								
Tetrachloro-m-xylene	200	2.4378E+07	240	2.870208E+07								
Tetrachloro-m-xylene [2C]	200	9.69465E+07	240	1.087096E+08								

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SF50002
Instrument: PEST7
Calibration Date: 06/02/25 13:12

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
4,4'-DDD	2.807556E+07	9.332755	6.371875	3.883915E-02		0.9989258	0.99	
4,4'-DDD [2C]	9.578207E+07	12.94545	7.279625	7.439557E-03		0.9989279	0.99	
4,4'-DDE	3.156469E+07	10.93908	5.51225	3.292072E-02		0.9989315	0.99	
4,4'-DDE [2C]	1.23005E+08	11.42582	6.331375	1.017386E-02		0.99886	0.99	
4,4'-DDT	2.940642E+07	9.48319	6.79875	1.973393E-02		0.9989525	0.99	
4,4'-DDT [2C]	9.415251E+07	9.682404	7.81275	6.744554E-03		0.9990553	0.99	
Aldrin	3.957725E+07	9.522455	4.3355	3.567908E-03		0.9983957	0.99	
Aldrin [2C]	1.359346E+08	8.690315	4.785375	2.395557E-02		0.9985006	0.99	
alpha-BHC	4.265601E+07	11.14627	3.2715	1.199848E-02		0.9988297	0.99	
alpha-BHC [2C]	1.574038E+08	5.824131	3.519625	3.050896E-02		0.9999051	0.99	
alpha-Chlordane	3.698443E+07	10.95412	5.384125	8.118174E-03		0.9985868	0.99	
alpha-Chlordane [2C]	1.302045E+08	11.97687	6.047125	5.883666E-03		0.9987489	0.99	
beta-BHC	1.858338E+07	22.38106	3.63675	4.347802E-02		0.997804	0.99	
beta-BHC [2C]	6.788347E+07	24.51969	3.97925	1.014057E-02		0.9978764	0.99	
Chlordane, total	3040543	13.18285	4.095143	6.677424E-02		0.9991175	0.99	
Chlordane, total [2C]	8469017	13.48612	4.450857	2.483484E-02		0.9985169	0.99	
Decachlorobiphenyl	2.363864E+07	7.504315	10.345	1.115079E-02			20	
Decachlorobiphenyl [2C]	7.82711E+07	7.3655	11.88762	6.792543E-03			20	
delta-BHC	3.994302E+07	13.08007	3.80925	3.608112E-02		0.9983022	0.99	
delta-BHC [2C]	1.462668E+08	13.96258	4.31475	1.845641E-02		0.9990682	0.99	
Dieldrin	3.65038E+07	9.518001	5.89375	4.881265E-03		0.9985782	0.99	
Dieldrin [2C]	1.287595E+08	10.31081	6.550125	1.901682E-02		0.9985194	0.99	
Endosulfan I	3.460571E+07	12.87778	5.562	1.790197E-02		0.9982033	0.99	
Endosulfan I [2C]	1.157973E+08	14.98885	6.12575	9.588076E-03		0.998281	0.99	
Endosulfan II	3.195343E+07	18.64447	6.557125	1.875338E-02		0.997876	0.99	
Endosulfan II [2C]	1.163766E+08	21.43235	7.396	1.352436E-02		0.9980186	0.99	
Endosulfan sulfate	3.28734E+07	23.51021	7.9445	1.034913E-02		0.9979215	0.99	
Endosulfan sulfate [2C]	1.160083E+08	25.15032	8.479	5.201769E-03		0.9981163	0.99	
Endrin	3.288445E+07	10.58564	6.22225	2.357634E-02		0.9984843	0.99	
Endrin [2C]	1.111152E+08	13.73807	7.03425	1.317579E-02		0.998404	0.99	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SF50002
Instrument: PEST7
Calibration Date: 06/02/25 13:12

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Endrin aldehyde	2.596332E+07	32.80461	7.222714	1.834823E-02		0.9993942	0.99	
Endrin aldehyde [2C]	9.598798E+07	36.74674	7.983714	5.617341E-03		0.9993853	0.99	
Endrin ketone	3.558335E+07	17.81193	8.403	9.79319E-03		0.9984232	0.99	
Endrin ketone [2C]	1.213721E+08	19.06634	9.433375	1.688446E-02		0.9984466	0.99	
gamma-BHC (Lindane)	3.803935E+07	9.233524	3.55475	1.089035E-02		0.9987972	0.99	
gamma-BHC (Lindane) [2C]	1.35424E+08	6.106313	3.888	0.0238714		0.9996951	0.99	
gamma-Chlordane	3.762213E+07	10.34943	5.21025	7.125098E-03		0.9987486	0.99	
gamma-Chlordane [2C]	1.316838E+08	10.31578	5.830375	2.323634E-02		0.9986638	0.99	
Heptachlor	3.943588E+07	9.585415	4.016	6.85105E-03		0.9982395	0.99	
Heptachlor [2C]	1.256073E+08	11.70698	4.38675	2.464299E-02		0.9975187	0.99	
Heptachlor epoxide	3.537212E+07	12.07733	5.053	4.755751E-03		0.9982217	0.99	
Heptachlor epoxide [2C]	1.23513E+08	16.62531	5.555375	1.372888E-02		0.9981657	0.99	
Methoxychlor	1.619299E+07	14.35366	7.639	3.225758E-02		0.9984156	0.99	
Methoxychlor [2C]	5.057667E+07	17.09492	9.114875	2.046892E-02		0.9982496	0.99	
Mirex	2.869623E+07	20.66931	7.718875	4.987706E-03		0.9984146	0.99	
Mirex [2C]	9.754354E+07	21.97952	9.31425	5.517579E-03		0.9984081	0.99	
Tetrachloro-m-xylene	2.651793E+07	7.731038	2.817625	2.673159E-02			20	
Tetrachloro-m-xylene [2C]	1.059965E+08	6.247484	2.963625	2.046644E-02			20	
Toxaphene	2.436121E+07	14.46275	7.829125	4.324832E-03		0.9997117	0.99	
Toxaphene [2C]	8.745071E+07	19.13895	7.924375	7.968925		0.9996612	0.99	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SI50008
Instrument: PEST7
Calibration Date: 09/05/25 17:50

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
4,4'-DDD	2.807556E+07	9.332755	6.371875	3.883915E-02		0.9989258	0.99	
4,4'-DDD [2C]	9.578207E+07	12.94545	7.279625	7.439557E-03		0.9989279	0.99	
4,4'-DDE	3.156469E+07	10.93908	5.51225	3.292072E-02		0.9989315	0.99	
4,4'-DDE [2C]	1.23005E+08	11.42582	6.331375	1.017386E-02		0.99886	0.99	
4,4'-DDT	2.940642E+07	9.48319	6.79875	1.973393E-02		0.9989525	0.99	
4,4'-DDT [2C]	9.415251E+07	9.682404	7.81275	6.744554E-03		0.9990553	0.99	
Aldrin	3.957725E+07	9.522455	4.3355	3.567908E-03		0.9983957	0.99	
Aldrin [2C]	1.359346E+08	8.690315	4.785375	2.395557E-02		0.9985006	0.99	
alpha-BHC	4.265601E+07	11.14627	3.2715	1.199848E-02		0.9988297	0.99	
alpha-BHC [2C]	1.574038E+08	5.824131	3.519625	3.050896E-02		0.9999051	0.99	
alpha-Chlordane	3.698443E+07	10.95412	5.384125	8.118174E-03		0.9985868	0.99	
alpha-Chlordane [2C]	1.302045E+08	11.97687	6.047125	5.883666E-03		0.9987489	0.99	
beta-BHC	1.858338E+07	22.38106	3.63675	4.347802E-02		0.997804	0.99	
beta-BHC [2C]	6.788347E+07	24.51969	3.97925	1.014057E-02		0.9978764	0.99	
Chlordane, total	4159067	16.65518	4.003286	1.655241E-02		0.9999887	0.99	
Chlordane, total [2C]	1.01247E+07	25.68653	4.376	1.830309E-02		0.9999948	0.99	
Decachlorobiphenyl	2.363864E+07	7.504315	10.345	1.115079E-02			20	
Decachlorobiphenyl [2C]	7.82711E+07	7.3655	11.88762	6.792543E-03			20	
delta-BHC	3.994302E+07	13.08007	3.80925	3.608112E-02		0.9983022	0.99	
delta-BHC [2C]	1.462668E+08	13.96258	4.31475	1.845641E-02		0.9990682	0.99	
Dieldrin	3.65038E+07	9.518001	5.89375	4.881265E-03		0.9985782	0.99	
Dieldrin [2C]	1.287595E+08	10.31081	6.550125	1.901682E-02		0.9985194	0.99	
Endosulfan I	3.460571E+07	12.87778	5.562	1.790197E-02		0.9982033	0.99	
Endosulfan I [2C]	1.157973E+08	14.98885	6.12575	9.588076E-03		0.998281	0.99	
Endosulfan II	3.195343E+07	18.64447	6.557125	1.875338E-02		0.997876	0.99	
Endosulfan II [2C]	1.163766E+08	21.43235	7.396	1.352436E-02		0.9980186	0.99	
Endosulfan sulfate	3.28734E+07	23.51021	7.9445	1.034913E-02		0.9979215	0.99	
Endosulfan sulfate [2C]	1.160083E+08	25.15032	8.479	5.201769E-03		0.9981163	0.99	
Endrin	3.288445E+07	10.58564	6.22225	2.357634E-02		0.9984843	0.99	
Endrin [2C]	1.111152E+08	13.73807	7.03425	1.317579E-02		0.998404	0.99	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SI50008
Instrument: PEST7
Calibration Date: 09/05/25 17:50

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Endrin aldehyde	2.596332E+07	32.80461	7.222714	1.834823E-02		0.9993942	0.99	
Endrin aldehyde [2C]	9.598798E+07	36.74674	7.983714	5.617341E-03		0.9993853	0.99	
Endrin ketone	3.558335E+07	17.81193	8.403	9.79319E-03		0.9984232	0.99	
Endrin ketone [2C]	1.213721E+08	19.06634	9.433375	1.688446E-02		0.9984466	0.99	
gamma-BHC (Lindane)	3.803935E+07	9.233524	3.55475	1.089035E-02		0.9987972	0.99	
gamma-BHC (Lindane) [2C]	1.35424E+08	6.106313	3.888	0.0238714		0.9996951	0.99	
gamma-Chlordane	3.762213E+07	10.34943	5.21025	7.125098E-03		0.9987486	0.99	
gamma-Chlordane [2C]	1.316838E+08	10.31578	5.830375	2.323634E-02		0.9986638	0.99	
Heptachlor	3.943588E+07	9.585415	4.016	6.85105E-03		0.9982395	0.99	
Heptachlor [2C]	1.256073E+08	11.70698	4.38675	2.464299E-02		0.9975187	0.99	
Heptachlor epoxide	3.537212E+07	12.07733	5.053	4.755751E-03		0.9982217	0.99	
Heptachlor epoxide [2C]	1.23513E+08	16.62531	5.555375	1.372888E-02		0.9981657	0.99	
Methoxychlor	1.619299E+07	14.35366	7.639	3.225758E-02		0.9984156	0.99	
Methoxychlor [2C]	5.057667E+07	17.09492	9.114875	2.046892E-02		0.9982496	0.99	
Mirex	2.869623E+07	20.66931	7.718875	4.987706E-03		0.9984146	0.99	
Mirex [2C]	9.754354E+07	21.97952	9.31425	5.517579E-03		0.9984081	0.99	
Tetrachloro-m-xylene	2.651793E+07	7.731038	2.817625	2.673159E-02			20	
Tetrachloro-m-xylene [2C]	1.059965E+08	6.247484	2.963625	2.046644E-02			20	
Toxaphene	2.436121E+07	14.46275	7.829125	4.324832E-03		0.9997117	0.99	
Toxaphene [2C]	8.745071E+07	19.13895	7.924375	7.968925		0.9996612	0.99	

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SI50008
Laboratory ID: S5C1715-SCV1
Sequence: S5C1715
Standard ID: S24L054

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DIFF	QC LIMIT
4,4'-DDD	50.0	52.7	5.5	20.00
4,4'-DDD [2C]	50.0	47.1	-5.8	20.00
4,4'-DDE	50.0	53.2	6.5	20.00
4,4'-DDE [2C]	50.0	53.4	6.8	20.00
4,4'-DDT	50.0	52.7	5.3	20.00
4,4'-DDT [2C]	50.0	53.6	7.2	20.00
Aldrin	50.0	54.2	8.5	20.00
Aldrin [2C]	50.0	54.1	8.2	20.00
alpha-BHC	50.0	53.8	7.7	20.00
alpha-BHC [2C]	50.0	52.2	4.4	20.00
alpha-Chlordane	50.0	53.3	6.6	20.00
alpha-Chlordane [2C]	50.0	53.4	6.8	20.00
beta-BHC	50.0	55.0	10.0	20.00
beta-BHC [2C]	50.0	55.7	11.4	20.00
delta-BHC	50.0	54.4	8.8	20.00
delta-BHC [2C]	50.0	55.1	10.1	20.00
Dieldrin	50.0	53.2	6.4	20.00
Dieldrin [2C]	50.0	54.1	8.2	20.00
Endosulfan I	50.0	53.5	7.0	20.00
Endosulfan I [2C]	50.0	54.0	7.9	20.00
Endosulfan II	50.0	52.9	5.9	20.00
Endosulfan II [2C]	50.0	53.3	6.7	20.00
Endosulfan sulfate	50.0	54.8	9.7	20.00
Endosulfan sulfate [2C]	50.0	54.8	9.6	20.00
Endrin	50.0	51.6	3.2	20.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SI50008
Laboratory ID: S5C1715-SCV1
Sequence: S5C1715
Standard ID: S24L054

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DIFF	QC LIMIT
Endrin aldehyde	50.0	58.8	17.7	20.00
Endrin [2C]	50.0	51.6	3.1	20.00
Endrin aldehyde [2C]	50.0	58.6	17.1	20.00
Endrin ketone	50.0	53.7	7.5	20.00
Endrin ketone [2C]	50.0	53.6	7.2	20.00
gamma-BHC (Lindane)	50.0	53.7	7.4	20.00
gamma-BHC (Lindane) [2C]	50.0	53.6	7.2	20.00
gamma-Chlordane	50.0	53.4	6.9	20.00
gamma-Chlordane [2C]	50.0	53.9	7.8	20.00
Heptachlor	50.0	53.3	6.7	20.00
Heptachlor [2C]	50.0	51.9	3.8	20.00
Heptachlor epoxide	50.0	53.9	7.9	20.00
Heptachlor epoxide [2C]	50.0	53.2	6.4	20.00
Methoxychlor	50.0	52.8	5.5	20.00
Methoxychlor [2C]	50.0	53.5	7.0	20.00
Mirex [2C]	50.0	44.8	-10.5	20.00
Mirex	50.0	54.0	8.0	20.00
Decachlorobiphenyl	160	138	-13.9	20.00
Decachlorobiphenyl [2C]	160	141	-12.0	20.00
Tetrachloro-m-xylene	160	139	-13.3	20.00
Tetrachloro-m-xylene [2C]	160	142	-11.1	20.00

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SI50008
Laboratory ID: S5F0208-SCV1
Sequence: S5F0208
Standard ID: S24L054

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DIFF	QC LIMIT
4,4'-DDD	50.0	52.5	5.1	20.00
4,4'-DDD [2C]	50.0	51.5	3.0	20.00
4,4'-DDE	50.0	52.3	4.7	20.00
4,4'-DDE [2C]	50.0	52.4	4.9	20.00
4,4'-DDT	50.0	51.9	3.9	20.00
4,4'-DDT [2C]	50.0	52.3	4.7	20.00
Aldrin	50.0	53.5	7.1	20.00
Aldrin [2C]	50.0	53.5	7.0	20.00
alpha-BHC	50.0	53.5	7.0	20.00
alpha-BHC [2C]	50.0	49.8	-0.3	20.00
alpha-Chlordane	50.0	53.1	6.2	20.00
alpha-Chlordane [2C]	50.0	53.2	6.5	20.00
beta-BHC	50.0	54.3	8.6	20.00
beta-BHC [2C]	50.0	54.6	9.2	20.00
delta-BHC	50.0	55.0	10.0	20.00
delta-BHC [2C]	50.0	53.5	7.0	20.00
Dieldrin	50.0	53.0	5.9	20.00
Dieldrin [2C]	50.0	52.8	5.5	20.00
Endosulfan I	50.0	53.1	6.3	20.00
Endosulfan I [2C]	50.0	53.2	6.4	20.00
Endosulfan II	50.0	52.6	5.1	20.00
Endosulfan II [2C]	50.0	52.5	5.0	20.00
Endosulfan sulfate	50.0	54.1	8.2	20.00
Endosulfan sulfate [2C]	50.0	54.3	8.7	20.00
Endrin	50.0	51.9	3.9	20.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SI50008
Laboratory ID: S5F0208-SCV1
Sequence: S5F0208
Standard ID: S24L054

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DIFF	QC LIMIT
Endrin aldehyde	50.0	50.2	0.4	20.00
Endrin [2C]	50.0	52.2	4.5	20.00
Endrin aldehyde [2C]	50.0	50.5	1.0	20.00
Endrin ketone	50.0	52.6	5.3	20.00
Endrin ketone [2C]	50.0	52.9	5.8	20.00
gamma-BHC (Lindane)	50.0	53.5	7.0	20.00
gamma-BHC (Lindane) [2C]	50.0	51.7	3.5	20.00
gamma-Chlordane	50.0	52.9	5.9	20.00
gamma-Chlordane [2C]	50.0	53.5	7.0	20.00
Heptachlor	50.0	53.6	7.2	20.00
Heptachlor [2C]	50.0	54.4	8.7	20.00
Heptachlor epoxide	50.0	53.6	7.1	20.00
Heptachlor epoxide [2C]	50.0	53.6	7.2	20.00
Methoxychlor	50.0	51.5	2.9	20.00
Methoxychlor [2C]	50.0	52.1	4.2	20.00
Mirex [2C]	50.0	49.3	-1.3	20.00
Mirex	50.0	52.3	4.5	20.00
Decachlorobiphenyl	160	143	-10.5	20.00
Decachlorobiphenyl [2C]	160	143	-10.7	20.00
Tetrachloro-m-xylene	160	157	-2.1	20.00
Tetrachloro-m-xylene [2C]	160	158	-1.1	20.00

* Values outside of QC limits

Breakdown Report

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Sequence:	S5B0502	Laboratory ID:	S5B0502-PEM1
Analyzed:	02/05/2025 08:03	Instrument ID:	PEST7
		File ID:	P7035859.D

Column Number: 1

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	1.62	15
Endrin	3.19	15

Column Number: 2

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	2.31	15
Endrin	4.85	15

Breakdown Report

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	
Sequence:	S5C1715	Laboratory ID:	S5C1715-PEM1
Analyzed:	03/14/2025 09:44	Instrument ID:	PEST7
		File ID:	P7037214.D

Column Number: 1

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	1.67	15
Endrin	2.62	15

Column Number: 2

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	2.99	15
Endrin	3.47	15

Breakdown Report

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	
Sequence:	S5F0208	Laboratory ID:	S5F0208-PEM1
Analyzed:	06/02/2025 08:24	Instrument ID:	PEST7
		File ID:	P7040589.D

Column Number: 1

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	0.90	15
Endrin	2.28	15

Column Number: 2

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	2.82	15
Endrin	7.32	15

Breakdown Report

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Sequence:	S5H2541	Laboratory ID:	S5H2541-PEM1
Analyzed:	08/25/2025 08:16	Instrument ID:	PEST7
		File ID:	P7043740.D

Column Number: 1

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	1.33	15
Endrin	3.01	15

Column Number: 2

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	1.73	15
Endrin	6.40	15

Breakdown Report

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Sequence:	S5H2541	Laboratory ID:	S5H2541-PEM2
Analyzed:	08/25/2025 21:15	Instrument ID:	PEST7
		File ID:	P7043779.D

Column Number: 1

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	8.39	15
Endrin	5.11	15

Column Number: 2

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	8.28	15
Endrin	7.82	15

Breakdown Report

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Sequence:	S5H2541	Laboratory ID:	S5H2541-PEM3
Analyzed:	08/26/2025 07:52	Instrument ID:	PEST7
		File ID:	P7043810.D

Column Number: 1

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	1.63	15
Endrin	3.62	15

Column Number: 2

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	1.94	15
Endrin	4.87	15

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043742.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/25/25
Lab Sample ID:	S5H2541-CCV1	Injection Time:	08:50

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
4,4'-DDD	A	50.0	53.1	2.807556E+07	2.5556E+07		6.2	20	
4,4'-DDD [2C]	A	50.0	50.2	9.578207E+07	7.5846E+07		0.3	20	
4,4'-DDE	A	50.0	52.0	3.156469E+07	2.8936E+07		3.9	20	
4,4'-DDE [2C]	A	50.0	52.9	1.23005E+08	1.08382E+08		5.9	20	
4,4'-DDT	A	50.0	55.0	2.940642E+07	2.7712E+07		10.0	20	
4,4'-DDT [2C]	A	50.0	58.1	9.415251E+07	9.1984E+07		16.2	20	
Aldrin	A	50.0	55.2	3.957725E+07	3.718E+07		10.5	20	
Aldrin [2C]	A	50.0	56.8	1.359346E+08	1.31894E+08		13.7	20	
alpha-BHC	A	50.0	56.4	4.265601E+07	4.3262E+07		12.7	20	
alpha-BHC [2C]	A	50.0	51.6	1.574038E+08	1.61318E+08		3.3	20	
alpha-Chlordane	A	50.0	53.3	3.698443E+07	3.1678E+07		6.6	20	
alpha-Chlordane [2C]	A	50.0	53.9	1.302045E+08	1.13186E+08		7.8	20	
beta-BHC	A	50.0	53.6	1.858338E+07	1.409E+07		7.2	20	
beta-BHC [2C]	A	50.0	52.6	6.788347E+07	5.0156E+07		5.2	20	
delta-BHC	A	50.0	50.4	3.994302E+07	3.2256E+07		0.7	20	
delta-BHC [2C]	A	50.0	51.5	1.462668E+08	1.26754E+08		3.0	20	
Dieldrin	A	50.0	54.5	3.65038E+07	3.3436E+07		9.0	20	
Dieldrin [2C]	A	50.0	56.1	1.287595E+08	1.20686E+08		12.1	20	
Endosulfan I	A	50.0	55.7	3.460571E+07	3.0512E+07		11.4	20	
Endosulfan I [2C]	A	50.0	55.8	1.157973E+08	1.01736E+08		11.7	20	
Endosulfan II	A	50.0	53.2	3.195343E+07	2.4964E+07		6.4	20	
Endosulfan II [2C]	A	50.0	54.1	1.163766E+08	9.189E+07		8.2	20	
Endosulfan sulfate	A	50.0	54.1	3.28734E+07	2.5238E+07		8.2	20	
Endosulfan sulfate [2C]	A	50.0	55.8	1.160083E+08	9.2514E+07		11.6	20	
Endrin	A	50.0	55.4	3.288445E+07	2.983E+07		10.8	20	
Endrin [2C]	A	50.0	56.2	1.111152E+08	1.00204E+08		12.5	20	
Endrin aldehyde	A	50.0	48.3	2.596332E+07	1.8648E+07		-3.3	20	
Endrin aldehyde [2C]	A	50.0	50.6	9.598798E+07	6.984E+07		1.3	20	
Endrin ketone	A	50.0	53.9	3.558335E+07	2.8754E+07		7.9	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043742.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/25/25
Lab Sample ID:	S5H2541-CCV1	Injection Time:	08:50

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Endrin ketone [2C]	A	50.0	56.2	1.213721E+08	1.02792E+08		12.5	20	
gamma-BHC (Lindane)	A	50.0	56.1	3.803935E+07	3.789E+07		12.1	20	
gamma-BHC (Lindane) [2C]	A	50.0	53.0	1.35424E+08	1.38096E+08		6.1	20	
gamma-Chlordane	A	50.0	54.2	3.762213E+07	3.3328E+07		8.5	20	
gamma-Chlordane [2C]	A	50.0	54.2	1.316838E+08	1.17058E+08		8.3	20	
Heptachlor	A	50.0	56.7	3.943588E+07	3.6978E+07		13.3	20	
Heptachlor [2C]	A	50.0	49.9	1.256073E+08	9.8422E+07		-0.3	20	
Heptachlor epoxide	A	50.0	52.7	3.537212E+07	2.9524E+07		5.5	20	
Heptachlor epoxide [2C]	A	50.0	55.2	1.23513E+08	1.05062E+08		10.4	20	
Methoxychlor	A	50.0	55.4	1.619299E+07	1.3852E+07		10.9	20	
Methoxychlor [2C]	A	50.0	59.1	5.057667E+07	4.5026E+07		18.2	20	
Mirex	A	50.0	55.0	2.869623E+07	2.2612E+07		10.1	20	
Mirex [2C]	A	50.0	53.0	9.754354E+07	7.0232E+07		5.9	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043743.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/25/25
Lab Sample ID:	S5H2541-CCV2	Injection Time:	09:07

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Chlordane, total samples ND	A	1000	1400	3040543	3900667		39.9	20 *	CCVH
Chlordane, total [2C]	A	1000	1110	8469017	9343166		11.0	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043744.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/25/25
Lab Sample ID:	S5H2541-CCV3	Injection Time:	09:24

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Toxaphene	A	2000	2250	2.436121E+07	2.363975E+07		12.5	20	
Toxaphene [2C]	A	2000	2310	8.745071E+07	8.375395E+07		15.7	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043766.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/25/25
Lab Sample ID:	S5H2541-CCV4	Injection Time:	16:31

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
4,4'-DDD	A	50.0	51.5	2.807556E+07	2.4674E+07		3.0	20	
4,4'-DDD [2C]	A	50.0	47.7	9.578207E+07	7.1716E+07		-4.5	20	
4,4'-DDE	A	50.0	51.2	3.156469E+07	2.849E+07		2.5	20	
4,4'-DDE [2C]	A	50.0	49.9	1.23005E+08	1.01696E+08		-0.2	20	
4,4'-DDT	A	50.0	52.7	2.940642E+07	2.644E+07		5.4	20	
4,4'-DDT [2C]	A	50.0	55.7	9.415251E+07	8.7734E+07		11.4	20	
Aldrin	A	50.0	53.7	3.957725E+07	3.6052E+07		7.4	20	
Aldrin [2C]	A	50.0	54.1	1.359346E+08	1.2498E+08		8.2	20	
alpha-BHC	A	50.0	55.7	4.265601E+07	4.271E+07		11.5	20	
alpha-BHC [2C]	A	50.0	49.8	1.574038E+08	1.5555E+08		-0.4	20	
alpha-Chlordane	A	50.0	51.2	3.698443E+07	3.0344E+07		2.5	20	
alpha-Chlordane [2C]	A	50.0	50.2	1.302045E+08	1.04588E+08		0.4	20	
beta-BHC	A	50.0	51.7	1.858338E+07	1.3536E+07		3.4	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043766.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/25/25
Lab Sample ID:	S5H2541-CCV4	Injection Time:	16:31

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
beta-BHC [2C]	A	50.0	49.6	6.788347E+07	4.6946E+07		-0.8	20	
delta-BHC	A	50.0	48.0	3.994302E+07	3.0552E+07		-4.0	20	
delta-BHC [2C]	A	50.0	47.7	1.462668E+08	1.16872E+08		-4.5	20	
Dieldrin	A	50.0	52.6	3.65038E+07	3.216E+07		5.2	20	
Dieldrin [2C]	A	50.0	53.2	1.287595E+08	1.14208E+08		6.5	20	
Endosulfan I	A	50.0	52.3	3.460571E+07	2.8522E+07		4.6	20	
Endosulfan I [2C]	A	50.0	53.5	1.157973E+08	9.7154E+07		6.9	20	
Endosulfan II	A	50.0	50.7	3.195343E+07	2.3704E+07		1.5	20	
Endosulfan II [2C]	A	50.0	50.4	1.163766E+08	8.5334E+07		0.9	20	
Endosulfan sulfate	A	50.0	51.5	3.28734E+07	2.392E+07		3.1	20	
Endosulfan sulfate [2C]	A	50.0	52.2	1.160083E+08	8.591E+07		4.3	20	
Endrin	A	50.0	53.8	3.288445E+07	2.8906E+07		7.6	20	
Endrin [2C]	A	50.0	53.0	1.111152E+08	9.4018E+07		6.0	20	
Endrin aldehyde	A	50.0	44.7	2.596332E+07	1.7432E+07		-10.6	20	
Endrin aldehyde [2C]	A	50.0	46.0	9.598798E+07	6.4282E+07		-8.1	20	
Endrin ketone	A	50.0	51.2	3.558335E+07	2.7184E+07		2.5	20	
Endrin ketone [2C]	A	50.0	52.6	1.213721E+08	9.5736E+07		5.3	20	
gamma-BHC (Lindane)	A	50.0	55.2	3.803935E+07	3.7234E+07		10.4	20	
gamma-BHC (Lindane) [2C]	A	50.0	51.3	1.35424E+08	1.33336E+08		2.5	20	
gamma-Chlordane	A	50.0	52.1	3.762213E+07	3.19E+07		4.3	20	
gamma-Chlordane [2C]	A	50.0	51.4	1.316838E+08	1.10408E+08		2.8	20	
Heptachlor	A	50.0	55.8	3.943588E+07	3.6382E+07		11.7	20	
Heptachlor [2C]	A	50.0	48.3	1.256073E+08	9.5188E+07		-3.3	20	
Heptachlor epoxide	A	50.0	51.3	3.537212E+07	2.868E+07		2.7	20	
Heptachlor epoxide [2C]	A	50.0	52.1	1.23513E+08	9.8808E+07		4.2	20	
Methoxychlor	A	50.0	55.4	1.619299E+07	1.383E+07		10.7	20	
Methoxychlor [2C]	A	50.0	57.7	5.057667E+07	4.3832E+07		15.3	20	
Mirex	A	50.0	51.3	2.869623E+07	2.0942E+07		2.6	20	
Mirex [2C]	A	50.0	47.6	9.754354E+07	6.2128E+07		-4.8	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043777.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/25/25
Lab Sample ID:	S5H2541-CCV5	Injection Time:	20:41

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
4,4'-DDD	A	50.0	* 56.5	2.807556E+07	2.739E+07		* 13.0	20	
4,4'-DDD [2C]	A	50.0	51.6	9.578207E+07	7.8394E+07		3.3	20	
4,4'-DDE	A	50.0	* 52.9	3.156469E+07	2.9528E+07		* 5.8	20	
4,4'-DDE [2C]	A	50.0	52.5	1.23005E+08	1.0729E+08		4.9	20	
4,4'-DDT	A	50.0	* 48.1	2.940642E+07	2.387E+07		* -3.8	20	
4,4'-DDT [2C]	A	50.0	49.6	9.415251E+07	7.6992E+07		-0.8	20	
Aldrin	A	50.0	55.4	3.957725E+07	3.7284E+07		10.8	20	
Aldrin [2C]	A	50.0	56.2	1.359346E+08	1.30366E+08		12.5	20	
alpha-BHC	A	50.0	56.2	4.265601E+07	4.3102E+07		12.4	20	
alpha-BHC [2C]	A	50.0	51.1	1.574038E+08	1.5953E+08		2.1	20	
alpha-Chlordane	A	50.0	53.5	3.698443E+07	3.1838E+07		7.1	20	
alpha-Chlordane [2C]	A	50.0	53.8	1.302045E+08	1.12864E+08		7.5	20	
beta-BHC	A	50.0	53.9	1.858338E+07	1.4174E+07		7.8	20	
beta-BHC [2C]	A	50.0	52.7	6.788347E+07	5.0262E+07		5.4	20	
delta-BHC	A	50.0	52.2	3.994302E+07	3.3548E+07		4.3	20	
delta-BHC [2C]	A	50.0	52.1	1.462668E+08	1.28448E+08		4.3	20	
Dieldrin	A	50.0	54.7	3.65038E+07	3.3542E+07		9.3	20	
Dieldrin [2C]	A	50.0	55.7	1.287595E+08	1.19762E+08		11.3	20	
Endosulfan I	A	50.0	54.5	3.460571E+07	2.9804E+07		9.0	20	
Endosulfan I [2C]	A	50.0	55.8	1.157973E+08	1.01618E+08		11.5	20	
Endosulfan II	A	50.0	54.0	3.195343E+07	2.5384E+07		8.1	20	
Endosulfan II [2C]	A	50.0	54.4	1.163766E+08	9.2528E+07		8.9	20	
Endosulfan sulfate	A	50.0	54.9	3.28734E+07	2.5624E+07		9.8	20	
Endosulfan sulfate [2C]	A	50.0	55.5	1.160083E+08	9.2026E+07		11.1	20	
Endrin	A	50.0	54.7	3.288445E+07	2.9414E+07		9.3	20	
Endrin [2C]	A	50.0	55.5	1.111152E+08	9.8726E+07		10.9	20	
Endrin aldehyde	A	50.0	50.3	2.596332E+07	1.929E+07		0.6	20	
Endrin aldehyde [2C]	A	50.0	51.4	9.598798E+07	7.0756E+07		2.8	20	

FORM VII **CONTINUING CALIBRATION CHECK**

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043777.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/25/25
Lab Sample ID:	S5H2541-CCV5	Injection Time:	20:41

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Endrin ketone	A	50.0	53.7	3.558335E+07	2.8626E+07		7.4	20	
Endrin ketone [2C]	A	50.0	54.2	1.213721E+08	9.8862E+07		8.5	20	
gamma-BHC (Lindane)	A	50.0	55.5	3.803935E+07	3.7476E+07		11.0	20	
gamma-BHC (Lindane) [2C]	A	50.0	52.3	1.35424E+08	1.3608E+08		4.6	20	
gamma-Chlordane	A	50.0	54.5	3.762213E+07	3.3474E+07		8.9	20	
gamma-Chlordane [2C]	A	50.0	54.1	1.316838E+08	1.16868E+08		8.2	20	
Heptachlor	A	50.0	55.1	3.943588E+07	3.5886E+07		10.3	20	
Heptachlor [2C]	A	50.0	48.4	1.256073E+08	9.5406E+07		-3.1	20	
Heptachlor epoxide	A	50.0	52.6	3.537212E+07	2.9468E+07		5.3	20	
Heptachlor epoxide [2C]	A	50.0	55.1	1.23513E+08	1.04974E+08		10.3	20	
Methoxychlor	A	50.0	49.5	1.619299E+07	1.224E+07		-1.0	20	
Methoxychlor [2C]	A	50.0	52.1	5.057667E+07	3.9274E+07		4.2	20	
Mirex	A	50.0	54.6	2.869623E+07	2.24E+07		9.1	20	
Mirex [2C]	A	50.0	49.2	9.754354E+07	6.4482E+07		-1.7	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII **CONTINUING CALIBRATION CHECK**

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043811.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/26/25
Lab Sample ID:	S5H2541-CCV6	Injection Time:	08:10

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
4,4'-DDD	A	50.0	49.9	2.807556E+07	2.383E+07		-0.2	20	
4,4'-DDD [2C]	A	50.0	46.2	9.578207E+07	6.9102E+07		-7.6	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043811.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/26/25
Lab Sample ID:	S5H2541-CCV6	Injection Time:	08:10

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
4,4'-DDE	A	50.0	49.5	3.156469E+07	2.7442E+07		-0.9	20	
4,4'-DDE [2C]	A	50.0	49.3	1.23005E+08	1.00246E+08		-1.5	20	
4,4'-DDT	A	50.0	50.4	2.940642E+07	2.5174E+07		0.9	20	
4,4'-DDT [2C]	A	50.0	52.7	9.415251E+07	8.2416E+07		5.4	20	
Aldrin	A	50.0	53.4	3.957725E+07	3.5798E+07		6.7	20	
Aldrin [2C]	A	50.0	53.1	1.359346E+08	1.22586E+08		6.2	20	
alpha-BHC	A	50.0	54.5	4.265601E+07	4.1688E+07		9.1	20	
alpha-BHC [2C]	A	50.0	48.5	1.574038E+08	1.51612E+08		-3.0	20	
alpha-Chlordane	A	50.0	51.1	3.698443E+07	3.0254E+07		2.2	20	
alpha-Chlordane [2C]	A	50.0	51.0	1.302045E+08	1.0655E+08		2.1	20	
beta-BHC	A	50.0	50.8	1.858338E+07	1.3284E+07		1.7	20	
beta-BHC [2C]	A	50.0	48.1	6.788347E+07	4.5388E+07		-3.8	20	
delta-BHC	A	50.0	47.8	3.994302E+07	3.0426E+07		-4.4	20	
delta-BHC [2C]	A	50.0	46.8	1.462668E+08	1.14468E+08		-6.4	20	
Dieldrin	A	50.0	52.2	3.65038E+07	3.1874E+07		4.3	20	
Dieldrin [2C]	A	50.0	52.8	1.287595E+08	1.13122E+08		5.5	20	
Endosulfan I	A	50.0	53.3	3.460571E+07	2.9122E+07		6.7	20	
Endosulfan I [2C]	A	50.0	52.8	1.157973E+08	9.5874E+07		5.6	20	
Endosulfan II	A	50.0	50.7	3.195343E+07	2.367E+07		1.3	20	
Endosulfan II [2C]	A	50.0	50.6	1.163766E+08	8.5566E+07		1.2	20	
Endosulfan sulfate	A	50.0	50.9	3.28734E+07	2.3584E+07		1.8	20	
Endosulfan sulfate [2C]	A	50.0	51.5	1.160083E+08	8.4674E+07		2.9	20	
Endrin	A	50.0	53.2	3.288445E+07	2.8554E+07		6.4	20	
Endrin [2C]	A	50.0	53.4	1.111152E+08	9.4792E+07		6.8	20	
Endrin aldehyde	A	50.0	44.0	2.596332E+07	1.7194E+07		-12.0	20	
Endrin aldehyde [2C]	A	50.0	45.3	9.598798E+07	6.3516E+07		-9.3	20	
Endrin ketone	A	50.0	50.9	3.558335E+07	2.699E+07		1.8	20	
Endrin ketone [2C]	A	50.0	51.9	1.213721E+08	9.4286E+07		3.8	20	
gamma-BHC (Lindane)	A	50.0	53.9	3.803935E+07	3.6264E+07		7.8	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	PEST7	Calibration:	SF50002
Lab File ID:	P7043811.D	Calibration Date:	06/02/25 13:12
Sequence:	S5H2541	Injection Date:	08/26/25
Lab Sample ID:	S5H2541-CCV6	Injection Time:	08:10

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
gamma-BHC (Lindane) [2C]	A	50.0	49.9	1.35424E+08	1.29636E+08		-0.2	20	
gamma-Chlordane	A	50.0	51.9	3.762213E+07	3.177E+07		3.9	20	
gamma-Chlordane [2C]	A	50.0	51.3	1.316838E+08	1.10136E+08		2.6	20	
Heptachlor	A	50.0	54.3	3.943588E+07	3.5292E+07		8.6	20	
Heptachlor [2C]	A	50.0	47.3	1.256073E+08	9.2982E+07		-5.4	20	
Heptachlor epoxide	A	50.0	50.8	3.537212E+07	2.8336E+07		1.6	20	
Heptachlor epoxide [2C]	A	50.0	52.2	1.23513E+08	9.8902E+07		4.3	20	
Methoxychlor	A	50.0	50.3	1.619299E+07	1.2462E+07		0.7	20	
Methoxychlor [2C]	A	50.0	53.5	5.057667E+07	4.0434E+07		7.0	20	
Mirex	A	50.0	52.5	2.869623E+07	2.145E+07		4.9	20	
Mirex [2C]	A	50.0	47.7	9.754354E+07	6.2232E+07		-4.7	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

BENCHSHEETS

SDG: 25H1735

CLASS: PEST

METHOD: EPA 8081B

PREPARATION BENCH SHEET : BH51816

Preparation Date: 08/23/2025 11:52

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1535-05 A	PEST, 8081 MASTER	30.5	10										
25H1535-06 B	PEST, 8081 MASTER	30.3	10										
25H1535-07 A	PEST, 8081 MASTER	30.5	10										
25H1535-08 A	PEST, 8081 MASTER	30.2	10										
25H1535-09 F	PEST, 8081 MASTER	30.2	10										
25H1535-10 F	PEST, 8081 MASTER	30.5	10										
BH51816-BLK1	PEST, 8081 MASTER	30.1	10										
BH51816-BS1	PEST, 8081 MASTER	30.1	10	S25H289	100								
BH51816-MS1	PEST, 8081 MASTER	30.1	10	S25H289	100			25H1535-09					
BH51816-MSD1	PEST, 8081 MASTER	30.1	10	S25H289	100			25H1535-09					

Reagent

Standard/Reagent ID	Description	LotNum
S25E087	ACETONE	25A1862002
S25G028	Baked Sodium Sulfate	436102
S25H252	HEXANE	EK623-US

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25H289	Pesticide Spike @ 10ug/mL	080725	100

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25H293	EXT Pest/PCB Surrogate Mix @ 20 ug/ml	08142025	100

Preparations Performed by Fraiser.Anchundia **Date:** **08/21/2025 14:02**

METHOD DETECTION AND REPORTING LIMITS

EPA 1633A

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: Water **Instrument:** QQQ4

Analyte	LOD	LOQ	Units
11CL-PF3OUdS	2.23	7.56	ng/L
	0.220	0.756	ug/kg
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	2.25	7.68	ng/L
	0.160	0.768	ug/kg
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	2.82	7.50	ng/L
	0.220	0.750	ug/kg
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	2.32	7.60	ng/L
	0.180	0.760	ug/kg
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	23.1	50.0	ng/L
	0.940	5.00	ug/kg
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	6.73	50.0	ng/L
	0.730	5.00	ug/kg
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	2.36	10.0	ng/L
	0.320	1.00	ug/kg
9CL-PF3ONS	2.75	7.48	ng/L
	0.270	0.748	ug/kg
ADONA	2.97	7.56	ng/L
	0.260	0.756	ug/kg
HFPO-DA (Gen-X)	3.14	8.00	ng/L
	0.230	0.800	ug/kg
N-EtFOSA	1.05	2.00	ng/L
	0.0900	0.200	ug/kg
N-EtFOSAA	1.05	2.00	ng/L
	0.0900	0.200	ug/kg
N-EtFOSE	7.28	20.0	ng/L
	0.460	2.00	ug/kg
N-MeFOSA	0.710	2.00	ng/L
	0.130	0.200	ug/kg
N-MeFOSAA	0.500	2.00	ng/L
	0.0800	0.200	ug/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 1633A

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: Water **Instrument:** QQQ4

Analyte	LOD	LOQ	Units
N-MeFOSE	7.10	20.0	ng/L
	0.730	2.00	ug/kg
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.500	3.56	ng/L
	0.0600	0.356	ug/kg
Perfluoro-1-decanesulfonic acid (PFDS)	0.620	1.93	ng/L
	0.0600	0.193	ug/kg
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.310	1.91	ng/L
	0.0700	0.200	ug/kg
Perfluoro-1-nonanesulfonic acid (PFNS)	0.750	1.92	ng/L
	0.140	0.192	ug/kg
Perfluoro-1-octanesulfonamide (FOSA)	0.370	2.00	ng/L
	0.0300	0.200	ug/kg
Perfluoro-1-pentanesulfonate (PFPeS)	0.750	1.88	ng/L
	0.0700	0.188	ug/kg
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	3.00	4.00	ng/L
	0.390	0.400	ug/kg
Perfluoro-4-oxapentanoic acid (PFMPA)	0.700	4.00	ng/L
	0.0400	0.400	ug/kg
Perfluoro-5-oxahexanoic acid (PFMBA)	1.40	4.00	ng/L
	0.120	0.400	ug/kg
Perfluorobutanesulfonic acid (PFBS)	0.780	1.77	ng/L
	0.0700	0.177	ug/kg
Perfluorodecanoic acid (PFDA)	0.570	2.00	ng/L
	0.0800	0.200	ug/kg
Perfluorododecanesulfonic acid (PFDoS)	0.890	1.94	ng/L
	0.150	0.194	ug/kg
Perfluorododecanoic acid (PFDoA)	0.600	2.00	ng/L

METHOD DETECTION AND REPORTING LIMITS

EPA 1633A

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: Soil **Instrument:** QQQ4

Analyte	LOD	LOQ	Units
Perfluorododecanoic acid (PFDoA)	0.0800	0.200	ug/kg
Perfluoroheptanoic acid (PFHpA)	0.700	2.00	ng/L
	0.110	0.200	ug/kg
Perfluorohexanesulfonic acid (PFHxS)	0.890	1.83	ng/L
	0.0700	0.183	ug/kg
Perfluorohexanoic acid (PFHxA)	0.360	2.00	ng/L
	0.0500	0.200	ug/kg
Perfluoro-n-butanoic acid (PFBA)	1.63	8.00	ng/L
	0.160	0.800	ug/kg
Perfluorononanoic acid (PFNA)	0.990	2.00	ng/L
	0.140	0.200	ug/kg
Perfluorooctanesulfonic acid (PFOS)	0.760	1.86	ng/L
	0.0700	0.186	ug/kg
Perfluorooctanoic acid (PFOA)	0.790	2.00	ng/L
	0.0700	0.200	ug/kg
Perfluoropentanoic acid (PFPeA)	0.890	4.00	ng/L
	0.0800	0.400	ug/kg
Perfluorotetradecanoic acid (PFTA)	1.58	2.00	ng/L
	0.130	0.200	ug/kg
Perfluorotridecanoic acid (PFTrDA)	1.20	2.00	ng/L
	0.110	0.200	ug/kg
Perfluoroundecanoic acid (PFUnA)	0.710	2.00	ng/L
	0.110	0.200	ug/kg



Sample Information

Client Sample ID: HVAC SW North-S-1 **Sample ID:** 25H1535-01RE1

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

extracted within 90-day HT - no qual

Sample Prepared by Method: EPA 1633 Prep

Results Reported to MDL

% Solids: 90.33

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.835	0.243	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.849	0.177	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.829	0.243	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.840	0.199	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	5.52	1.04	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	5.52	0.807	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	1.10	0.354	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.826	0.298	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
919005-14-4	ADONA	ND		ug/kg dry	0.835	0.287	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CCV-L	ug/kg dry	0.884	0.254	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.221	0.0994	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.552	0.552	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	2.21	0.508	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.221	0.144	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.221	0.0884	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	2.21	0.807	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.393	0.0663	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.213	0.0663	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.221	0.0773	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.212	0.155	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
754-91-6	**Perfluoro-1-octanesulfonamide (FOSA)**	0.0456	J	ug/kg dry	0.221	0.0331	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.208	0.0773	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.442	0.431	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.442	0.431	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.442	0.0442	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.442	0.133	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.196	0.0773	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.221	0.0884	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.214	0.166	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.221	0.0884	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM

Sample Information

Client Sample ID: **HVAC SW North-S-1** **Sample ID: 25H1535-01RE1**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep — Results Reported to MDL — % Solids: 90.33

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.221	0.122	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	0.141	J	ug/kg dry	0.202	0.0773	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.221	0.0552	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.884	0.177	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.221	0.155	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	1.75		ug/kg dry	0.206	0.0773	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.221	0.0773	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.442	0.0884	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.221	0.144	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.221	0.122	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
2058-94-8	**Perfluoroundecanoic acid (PFUnA)**	0.137	J	ug/kg dry	0.221	0.122	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM
1180-95-6	* Taurodeoxycholic Acid (TDCA)	0.00		ug/kg dry			1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:38	AM

D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*114 %*	*40-135*
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*116 %*	*40-150*
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*68.4 %*	*20-130*
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*69.4 %*	*15-130*
936109-40-9	*Surrogate: d-N-EtFOSA*	*69.8 %*	*10-130*
936109-37-4	*Surrogate: d-N-MeFOSA*	*75.6 %*	*10-130*
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*46.3 %*	*40-165*
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*57.2 %*	*40-215*
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*62.4 %*	*40-275*
13C2PFTEDA	*Surrogate: M2PFTeDA*	*90.5 %*	*20-130*
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*106 %*	*40-130*
M3PFBS	*Surrogate: M3PFBS*	*124 %*	*40-135*
13C3PFHXS	*Surrogate: M3PFHxS*	*110 %*	*40-130*
13C4PFHPA	*Surrogate: M4PFHpA*	*100 %*	*40-130*
2328025-54-8	*Surrogate: M5PFHxA*	*91.3 %*	*40-130*
2328025-54-8	*Surrogate: M5PFHxA*	*91.3 %*	*40-130*
13C6PFDA	*Surrogate: M6PFDA*	*103 %*	*40-130*
13C7PFUNA	*Surrogate: M7PFUdA*	*103 %*	*40-130*
13C9PFNA	*Surrogate: M9PFNA*	*127 %*	*40-130*
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*92.8 %*	*40-130*
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*112 %*	*40-130*
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*98.9 %*	*40-130*
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*105 %*	*8-130*
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*90.2 %*	*35-130*

Sample Information

Client Sample ID: **HVAC SW North-S-1** **Sample ID: 25H1535-01RE1**

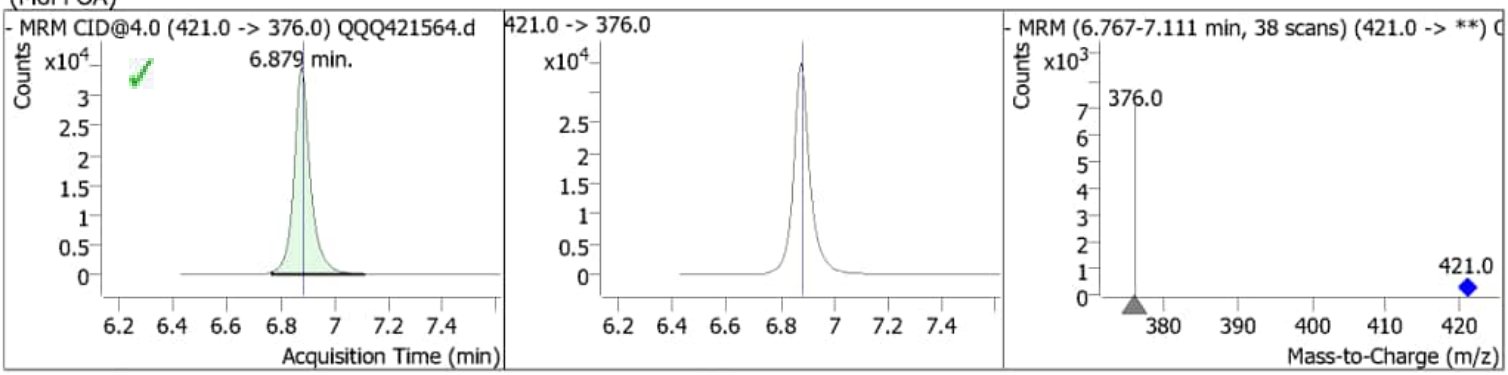
Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

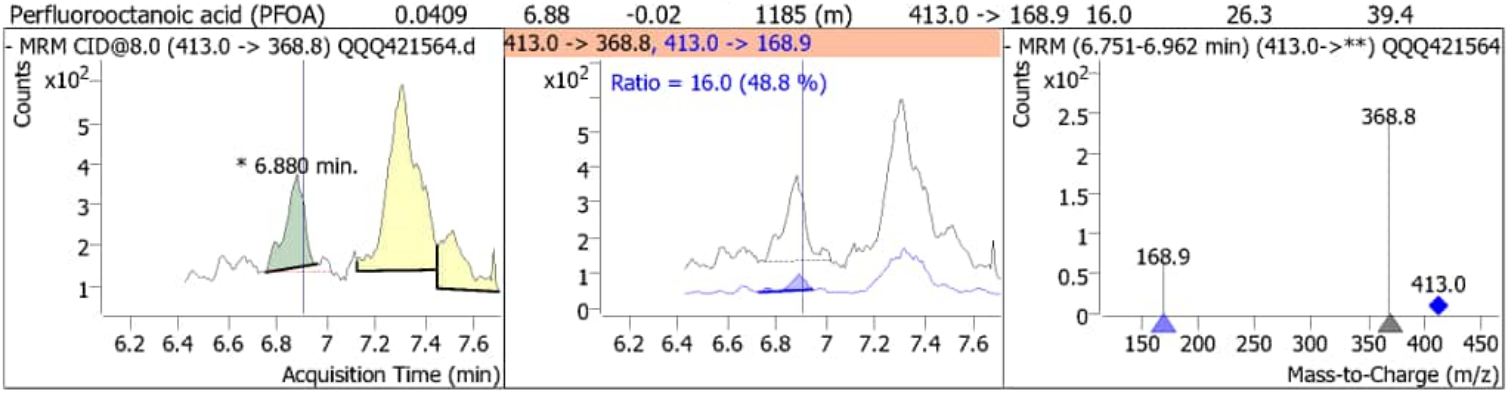
Sample Prepared by Method: EPA 1633 Prep Results Reported to MDL % Solids: 90.33

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*111 %*			*40-130*						

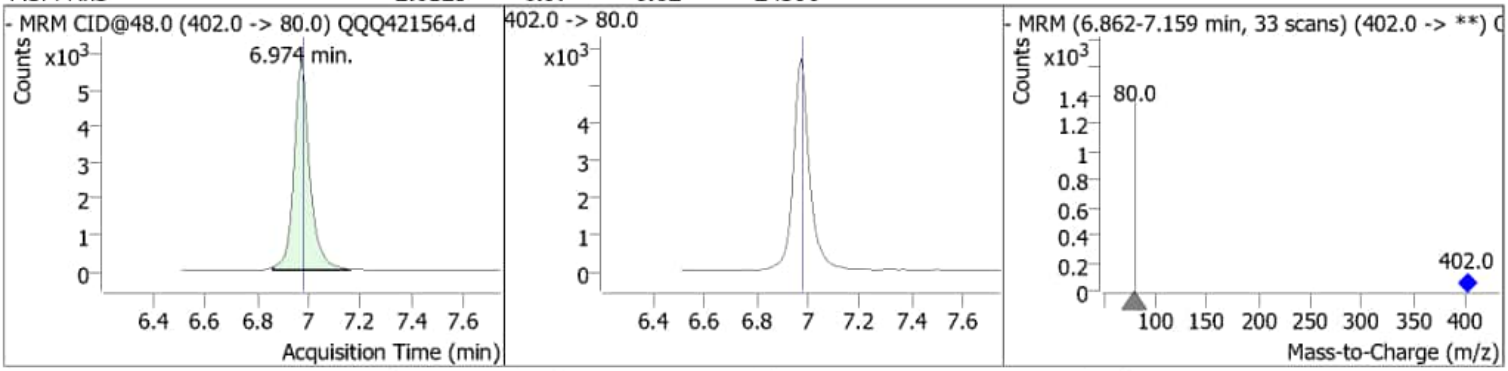
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.7797	6.88	-0.02	148140				



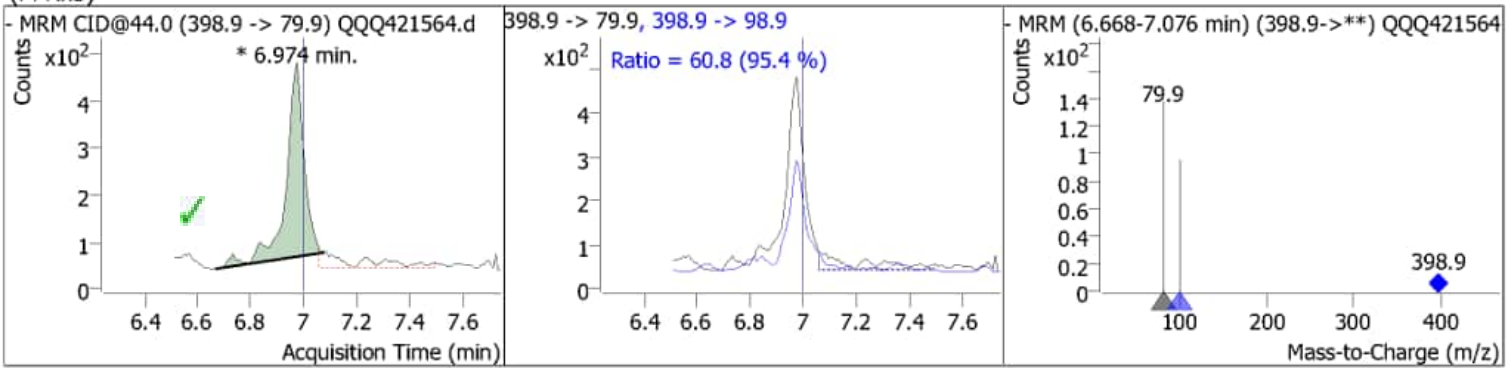
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorooctanoic acid (PFOA)	0.0409	6.88	-0.02	1185 (m)	413.0 -> 168.9	16.0	26.3	39.4



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
M3PFHxS	2.6125	6.97	-0.02	24306				

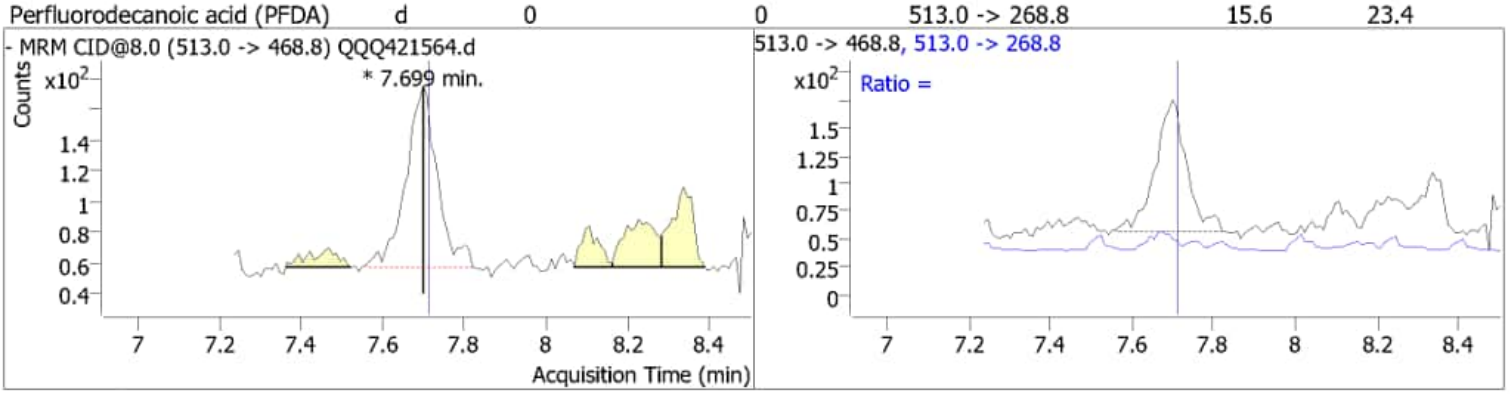


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorohexanesulfonic acid (PFHxS)	0.1277	6.97	-0.02	1935 (m)	398.9 -> 98.9	60.8	51.0	76.5

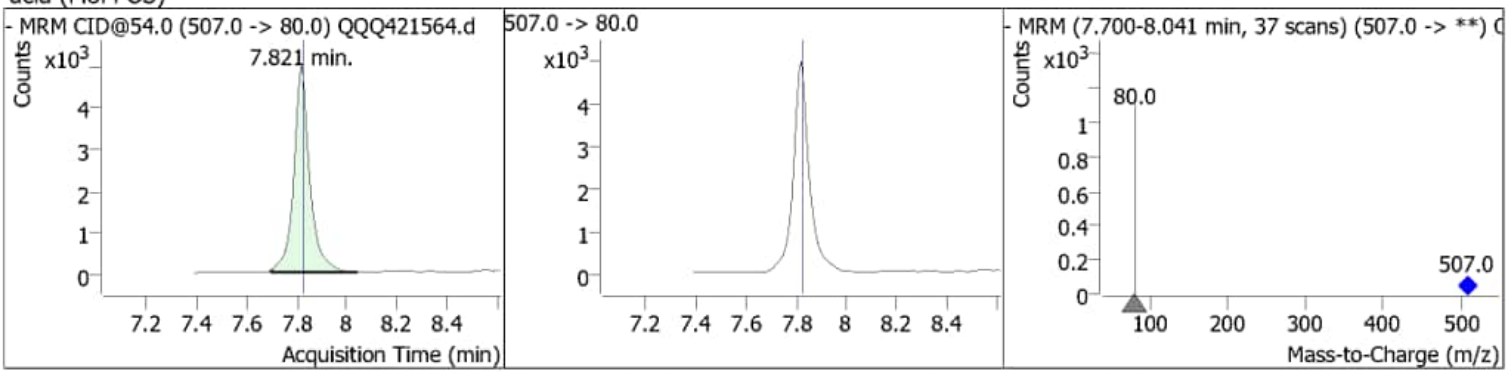


Quantitation Results Report (QT Reviewed)

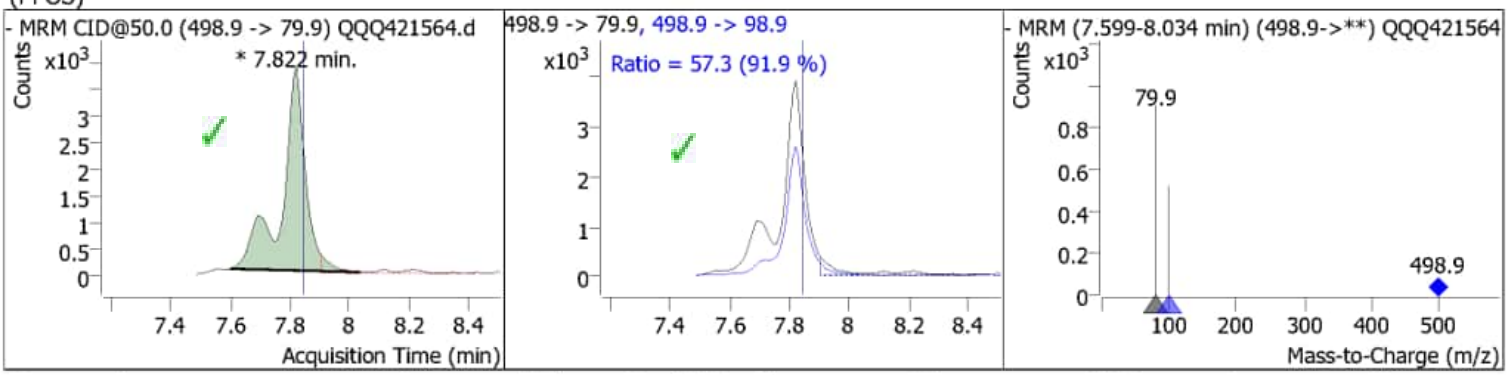
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorodecanoic acid (PFDA)	d	0		0	513.0 -> 268.8		15.6	23.4



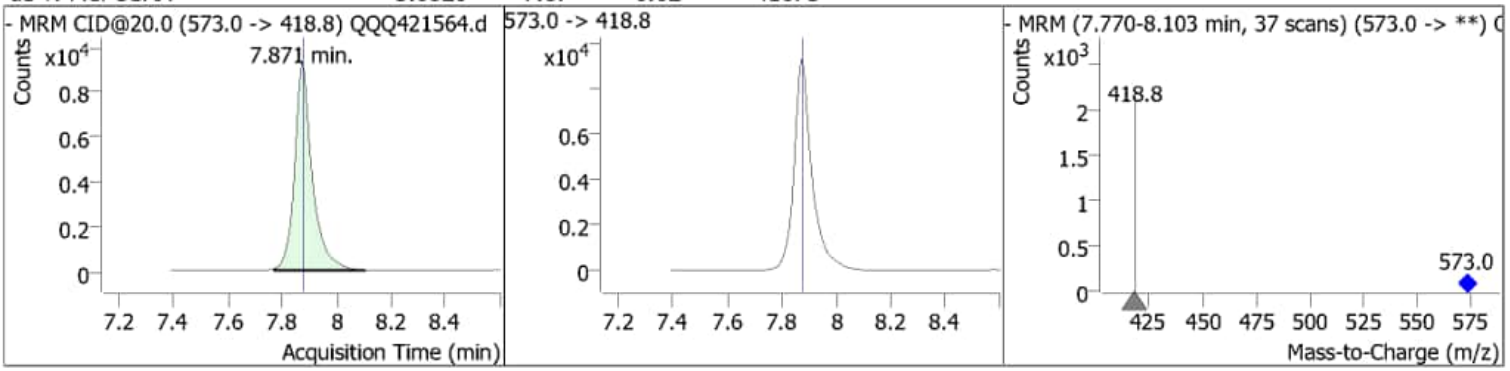
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.6884	7.82	-0.02	21583				



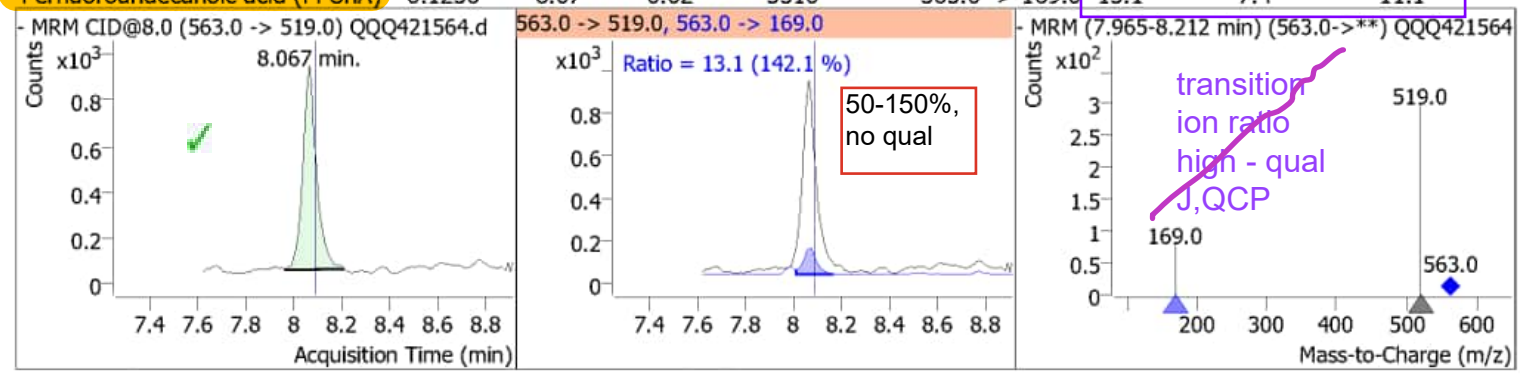
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorooctanesulfonic acid (PFOS)	1.5821	7.82	-0.02	21206 (m)	498.9 -> 98.9	57.3	49.9	74.8



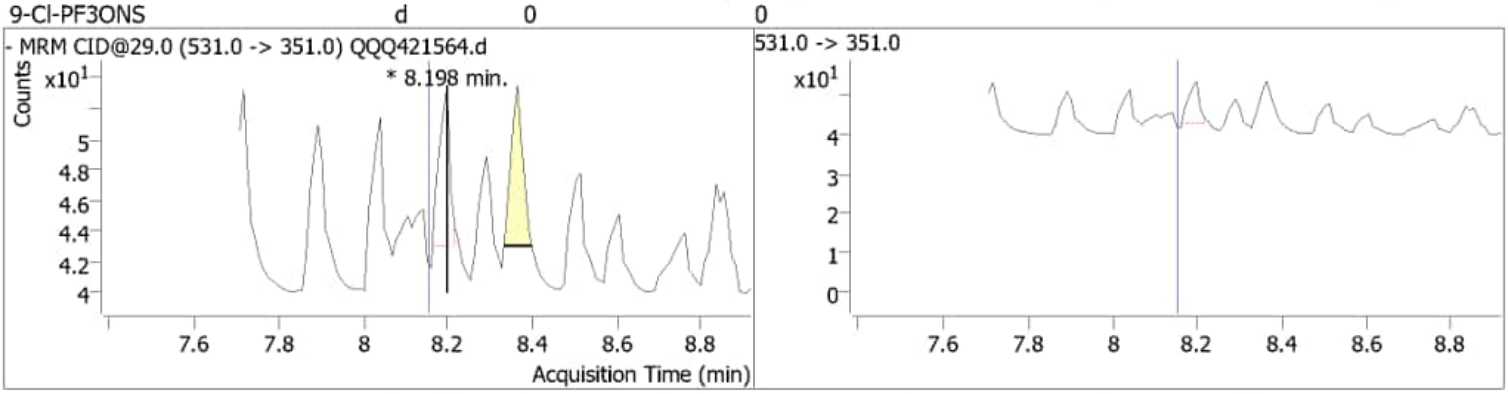
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
d3-N-MeFOSAA	5.6820	7.87	-0.02	41675				



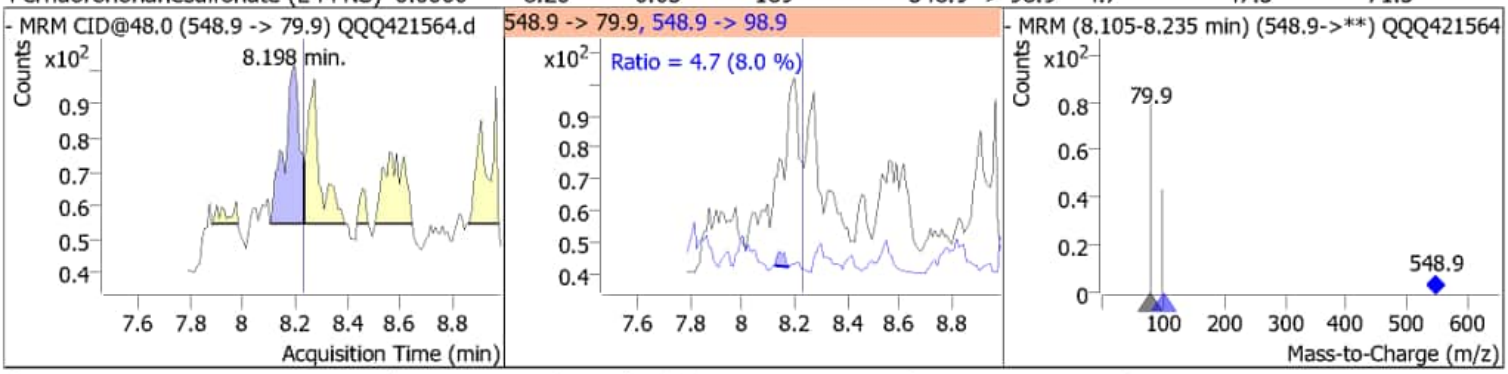
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoroundecanoic acid (PFUnA)	0.1236	8.07	-0.02	3510	563.0 -> 169.0	13.1	7.4	11.1



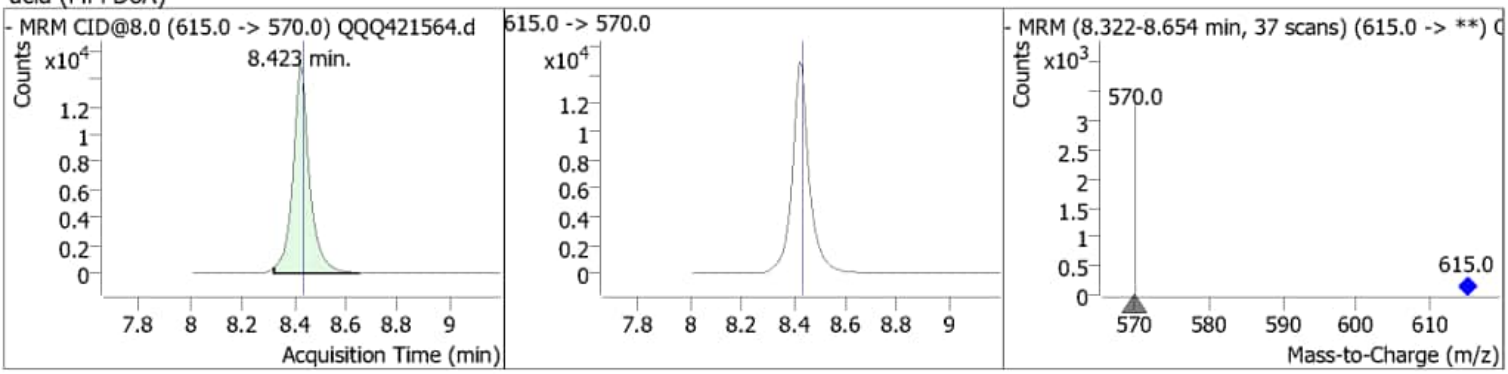
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9-Cl-PF3ONS	d	0		0				



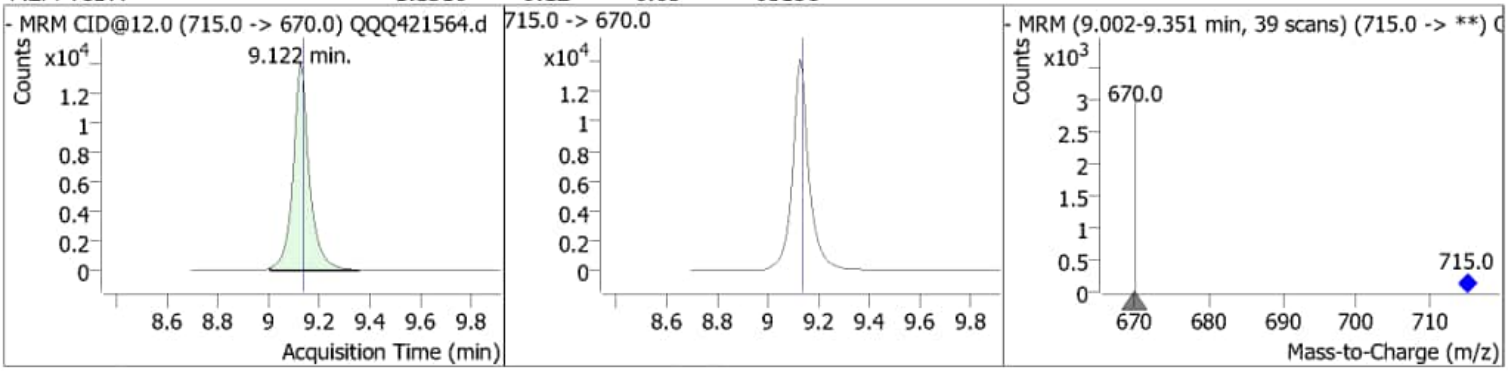
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorononanesulfonate (L-PFNS)	0.0000	8.20	-0.03	189	548.9 -> 98.9	4.7	47.5	71.3



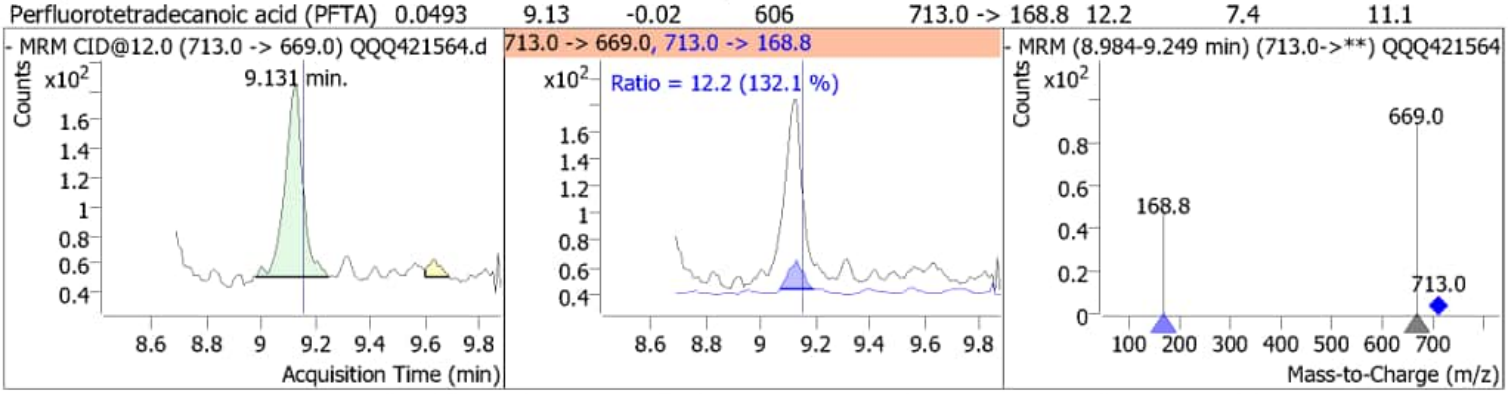
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.2368	8.42	-0.03	66514				



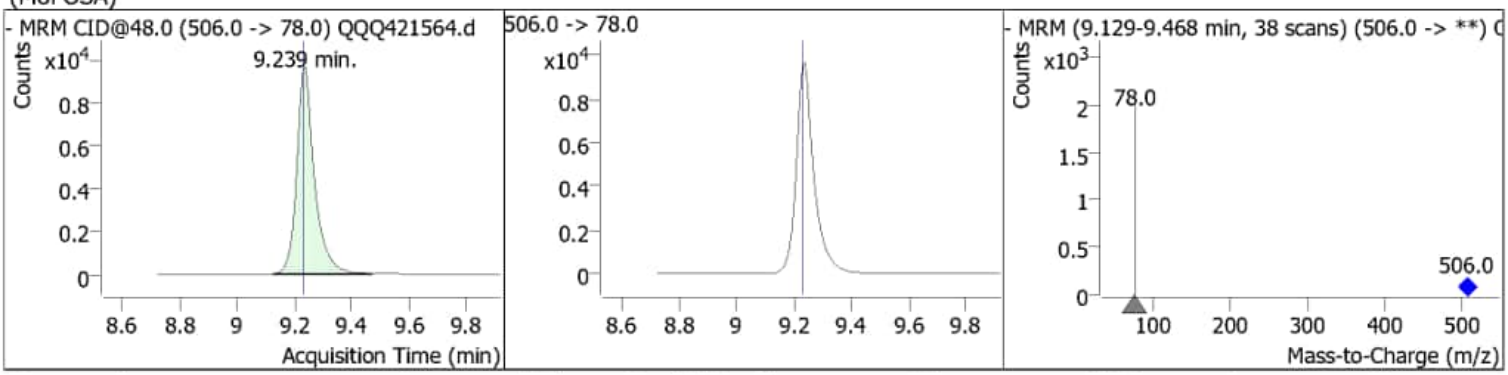
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
M2PFTeDA	1.1310	9.12	-0.03	63138				



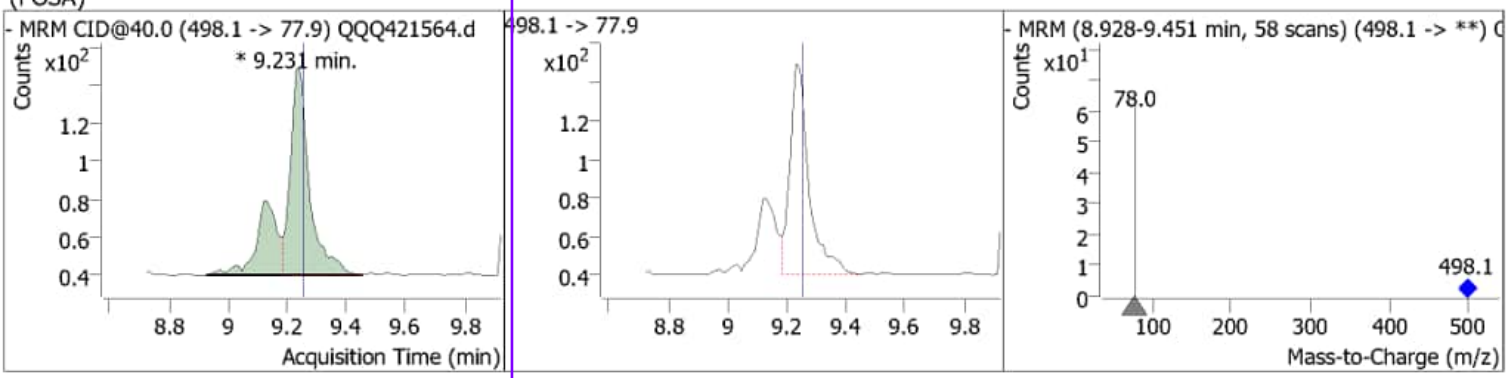
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorotetradecanoic acid (PFTA)	0.0493	9.13	-0.02	606	713.0 -> 168.8	12.2	7.4	11.1



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.3210	9.24	-0.01	40902				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-1-octanesulfonamide (FOSA)	0.0413	9.23	-0.02	685 (m)				



different chromatographic pattern than calib (linear only)- qual J:LB

Batch Supplementary Data

Agilent | Trusted Answers

Batch Data Path File Name	D:\MassHunter\Data\PFAS\QuantResults\2025-09-07A-1633Final.batch.bin		
Analysis Time Stamp	9/8/2025 3:59:37 PM	**Analyst Name**	CORP\NARCM.UserPFAS
Report Generation Time	9/8/2025 4:13:03 PM	**Report Generator Name**	CORP\NARCM.UserPFAS
Calibration Last Updated Time Stamp	8/28/2025 4:05:26 PM	**Batch State**	Processed
Analyze Quant Version	11.1	**Report Quant Version**	11.1
Acq. Date-Time	9/7/2025 10:38:50 PM	**Data File**	QQQ421564.d
Sample Type	Sample	**Sampe Name**	25H1535-01RE1
Dil.	1	**Acq. Method File**	ACQ_QQQ4_EPA1633Final_revA_2025-08-26.m

S/N >3:1 or 10:1 for one quant ion

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.046	105885	7579	1.012			0.78			876.11
Perfluoro-n-butanoic acid (PFBA)	3.043	0	0	0.000			1.00			0.00
PFMPA	4.068	0	0	0.000			1.00			0.00
3:3FTCA	4.481	0	0	0.000			1.00			0.00
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)	4.910	89556	18453	0.406			1.16			8724.69
Perfluoro-n-pentanoic acid (PFPeA)	4.921	0	0	0.000			1.00			0.00
PFMBA	5.273	0	0	0.000			1.00			0.00
M2-4-2FTS	5.561	10146	2295	0.312			1.29			287.85
1H,1H,2H,2H-perfluoro-1-hexanesulfonate (4 2FTS)	5.580	16	6	0.156			1.02			45.15
NFDHA	5.752	0	0	0.000			1.00			0.00
Perfluorobutanesulfonic acid (PFBS)	5.760	0	0	0.000			1.00			0.00
M3PFBS	5.759	26853	5755	0.351			1.02			5755.48
M5PFHxA	5.792	94778	21771	0.314			1.21			2246.15
Perfluorohexanoic acid (PFHxA)	5.804	0	0	0.000			1.00			0.00
M3-HFPO-DA	6.057	32930	7530	0.295			1.05			1742.14
HFPO-DA	6.112	0	0	0.000			1.00			0.00
PFEESA	6.136	0	0	0.000			1.00			0.00
5-3FTCA	6.476	0	0	0.000			1.00			0.00
M4PFHpA	6.400	35416	8356	0.288			1.16			2083.09
Perfluoroheptanoic acid (PFHpA)	6.382	0	0	0.000			1.00			0.00
Perfluoro-1-pentanesulfonate (L-PFPeS)	6.476	0	0	0.000			1.00			0.00
ADONA	6.687	0	0	0.000			1.00			0.00
M2-6-2FTS	6.683	15450	3618	0.333			1.21			651.97

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
1H,1H,2H,2H-perfluoro-1-octanesulfonate (6 2FTS)	6.684	25	9	0.157			1.34			57.61
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	6.879	148140	34777	0.344			1.23			399987.15
Perfluorooctanoic acid (PFOA)	6.880	1185	230	0.212			0.52			5.91
M3PFHxS	6.974	24306	5700	0.297			1.22			5699.92
Perfluorohexanesulfonic acid (PFHxS)	6.974	1935	412	0.408			0.84			412.07
TDCA	7.052	0	0	0.000			1.00			0.00
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)	7.302	60513	13853	0.297			1.14			13853.38
Perfluorononanoic acid (PFNA)	7.294	0	0	0.000			1.00			0.00
Perfluoro-1-heptanesulfonate (L-PFHpS)	7.406	164	48	0.131			1.51			5.04
1H,1H,2H,2H-perfluoro-1-decanesulfonate (8 2FTS)	7.522	0	0	0.051			0.80			5.41
M2-8-2FTS	7.494	15201	3571	0.269			1.56			839.31
7-3FTCA	7.545	0	0	0.000			1.00			0.00
M6PFDA	7.689	49054	11459	0.343			1.21			66095.58
Perfluorodecanoic acid (PFDA)	7.699	0	0	0.000			1.00			0.00
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	7.821	21583	4964	0.341			1.13			450.64
Perfluorooctanesulfonic acid (PFOS)	7.822	21206	3830	0.435			0.44			3829.78
d3-N-MeFOSAA	7.871	41675	9273	0.332			1.51			18228.03
N-MeFOSAA	7.872	0	0	0.000			1.00			0.00
d5-N-EtFOSAA	8.056	33199	7586	0.278			1.36			118.01
N-EtFOSAA	8.056	929	217	0.370			1.26			216.90
M7PFUdA	8.066	64961	15332	0.287			1.15			40518.39
Perfluoroundecanoic acid (PFUnA)	8.067	3510	889	0.247			1.26			144.94
9-Cl-PF3ONS	8.198	0	0	0.000			1.00			0.00
Perfluorononanesulfonate (L-PFNS)	8.198	189	47	0.129			0.55			33.30
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.423	66514	14847	0.332			1.31			65509.92
Perfluorododecanoic acid (PFDoA)	8.423	0	0	0.000			1.00			0.00
Perfluoro-1-decanesulfonate (L-PFDS)	8.554	194	50	0.144			1.58			15.10
Perfluorotridecanoic acid (PFTrDA)	8.783	767	219	0.157			1.39			28.46

Batch Supplementary Data

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Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
11-Cl-PF3OUdS	8.839	0	0	0.000			1.00			0.00
M2PFTeDA	9.122	63138	14134	0.349			1.23			21168.59
Perfluorotetradecanoic acid (PFTA)	9.131	606	133	0.265			0.67			50.46
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	9.239	40902	9610	0.339			1.35			26517.22
Perfluoro-1-octanesulfonamide (FOSA)	9.231	685	109	0.523			0.69			86.45
Perfluorododecanesulfonic acid (PFDoS)	9.243	8	5	0.045			0.68			6.16
d7-NMeFOSE	10.363	77027	18841	0.321			1.41			6339.23
NMeFOSE	10.392	0	0	0.000			1.00			0.00
d3-NMeFOSA	10.515	3028	743	0.285			1.20			2594.80
NMeFOSA	10.535	0	0	0.000			1.00			0.00
d9-NEtFOSE	10.664	61565	15454	0.285			1.31			3579.58
NEtFOSE	10.684	0	0	0.000			1.00			0.00
d5-NEtFOSA	10.796	2374	633	0.257			1.73			265.39
NEtFOSA	10.807	0	0	0.000			1.00			0.00

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Sample Information

Client Sample ID: HVAC SW South-S-1 **Sample ID:** 25H1535-02RE1

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep | Results Reported to MDL | % Solids: 90.34

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.835	0.243	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.848	0.177	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	UJ:IS	ug/kg dry	0.829	0.243	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.840	0.199	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	5.52	1.04	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	5.52	0.806	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	1.10	0.354	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.826	0.298	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
919005-14-4	ADONA	ND		ug/kg dry	0.835	0.287	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CCV-L	ug/kg dry	0.884	0.254	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.221	0.0994	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.552	0.552	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	2.21	0.508	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.221	0.144	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.221	0.0884	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	2.21	0.806	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.393	0.0663	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.213	0.0663	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.221	0.0773	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.212	0.155	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.221	0.0331	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.208	0.0773	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.442	0.431	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.442	0.431	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.442	0.0442	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.442	0.133	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.196	0.0773	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.221	0.0884	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.214	0.166	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.221	0.0884	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.221	0.122	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM

Sample Information

Client Sample ID: **HVAC SW South-S-1** **Sample ID: 25H1535-02RE1**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

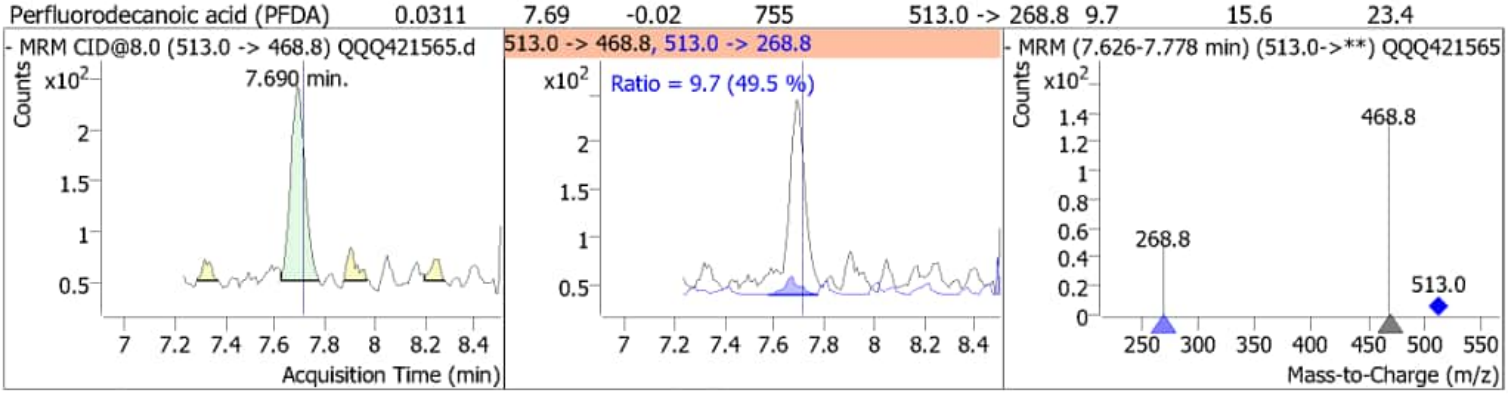
PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep — Results Reported to MDL — % Solids: 90.34

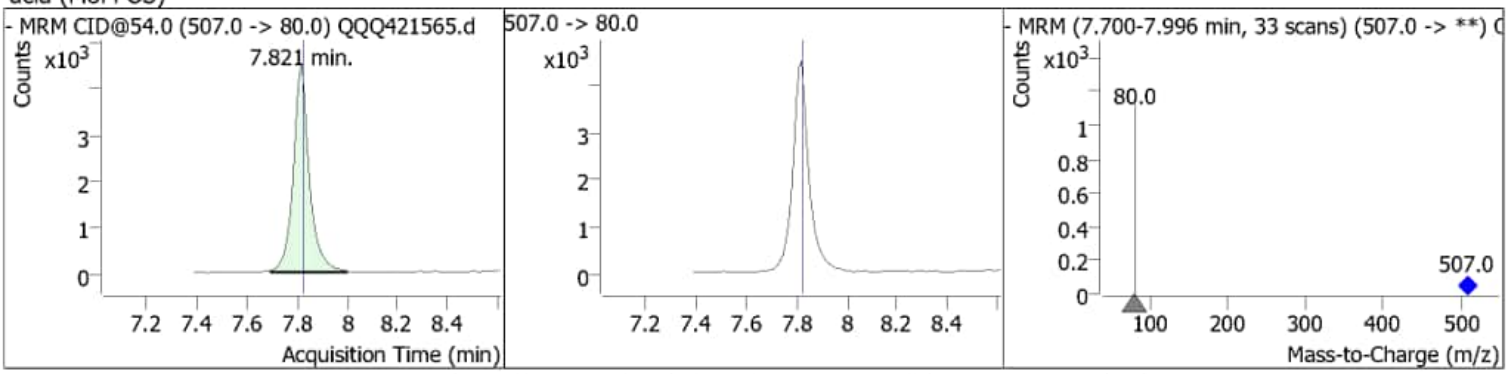
CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.202	0.0773	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.221	0.0552	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.884	0.177	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.221	0.155	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	0.812		ug/kg dry	0.205	0.0773	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.221	0.0773	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.442	0.0884	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.221	0.144	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.221	0.122	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.221	0.122	1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
1180-95-6	* Taurodeoxycholic Acid (TDCA)	0.00		ug/kg dry			1	EPA 1633A	09/06/2025 10:13	09/07/2025 22:54	AM
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*107 %*			*40-135*						
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*112 %*			*40-150*						
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*68.6 %*			*20-130*						
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*72.4 %*			*15-130*						
936109-40-9	*Surrogate: d-N-EtFOSA*	*66.7 %*			*10-130*						
936109-37-4	*Surrogate: d-N-MeFOSA*	*70.0 %*			*10-130*						
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*38.5 %*	PFSu-L		*40-165*						
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*50.7 %*			*40-215*						
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*56.8 %*			*40-275*						
13C2PFTEDA	*Surrogate: M2PFTeDA*	*90.3 %*			*20-130*						
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*106 %*			*40-130*						
M3PFBS	*Surrogate: M3PFBS*	*117 %*			*40-135*						
13C3PFHXS	*Surrogate: M3PFHxS*	*106 %*			*40-130*						
13C4PFHPA	*Surrogate: M4PFHpA*	*104 %*			*40-130*						
2328025-54-8	*Surrogate: M5PFHxA*	*93.6 %*			*40-130*						
2328025-54-8	*Surrogate: M5PFHxA*	*93.6 %*			*40-130*						
13C6PFDA	*Surrogate: M6PFDA*	*108 %*			*40-130*						
13C7PFUNA	*Surrogate: M7PFUdA*	*106 %*			*40-130*						
13C9PFNA	*Surrogate: M9PFNA*	*127 %*			*40-130*						
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*90.3 %*			*40-130*						
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*107 %*			*40-130*						
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*104 %*			*40-130*						
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*106 %*			*8-130*						
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*90.3 %*			*35-130*						
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*113 %*			*40-130*						

EIS recovery low - qual UJ,IS

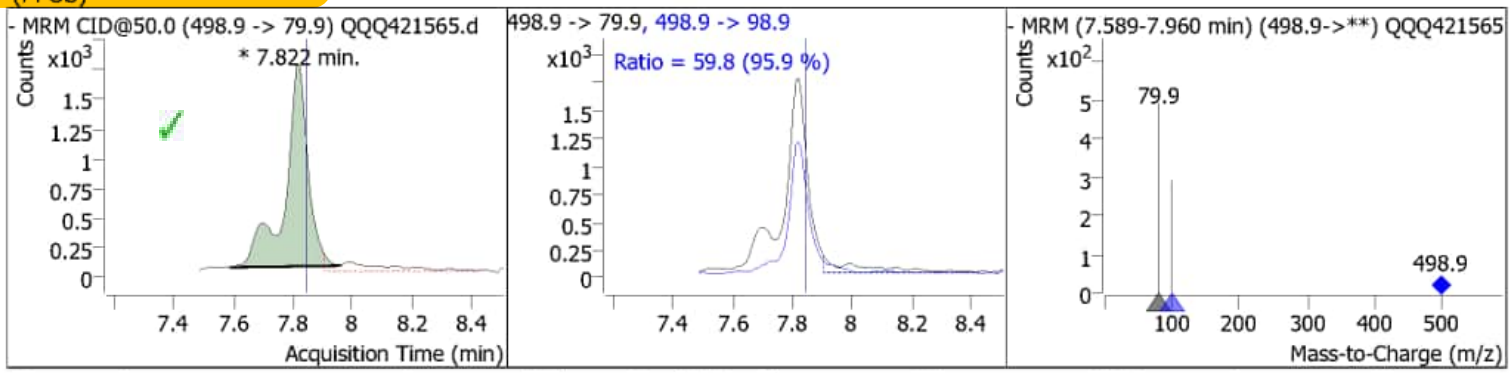
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorodecanoic acid (PFDA)	0.0311	7.69	-0.02	755	513.0 -> 268.8	9.7	15.6	23.4



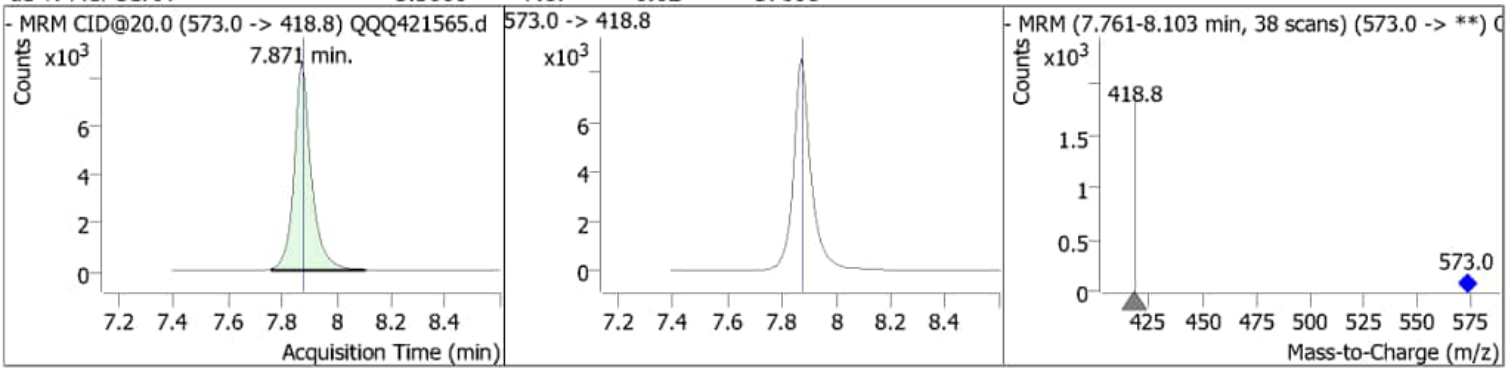
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.5555	7.82	-0.02	19626				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorooctanesulfonic acid (PFOS)	0.7346	7.82	-0.02	9184 (m)	498.9 -> 98.9	59.8	49.9	74.8



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
d3-N-MeFOSAA	5.3600	7.87	-0.02	37608				



Batch Supplementary Data

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Batch Data Path File Name	D:\MassHunter\Data\PFAS\QuantResults\2025-09-07A-1633Final.batch.bin		
Analysis Time Stamp	9/8/2025 3:59:37 PM	**Analyst Name**	CORP\NARCM.UserPFAS
Report Generation Time	9/8/2025 4:13:03 PM	**Report Generator Name**	CORP\NARCM.UserPFAS
Calibration Last Updated Time Stamp	8/28/2025 4:05:26 PM	**Batch State**	Processed
Analyze Quant Version	11.1	**Report Quant Version**	11.1
Acq. Date-Time	9/7/2025 10:54:05 PM	**Data File**	QQQ421565.d
Sample Type	Sample	**Sampe Name**	25H1535-02RE1
Dil.	1	**Acq. Method File**	ACQ_QQQ4_EPA1633Final_revA_2025-08-26.m

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.037	102446	7246	0.908			0.86			1396.65
Perfluoro-n-butanoic acid (PFBA)	3.328	0	0	0.000			1.00			0.00
PFMPA	4.028	0	0	0.000			1.00			0.00
3:3FTCA	4.564	0	0	0.000			1.00			0.00
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)	4.910	85561	17510	0.351			1.17			2796.41
Perfluoro-n-pentanoic acid (PFPeA)	4.912	0	0	0.000			1.00			0.00
PFMBA	5.187	0	0	0.000			1.00			0.00
M2-4-2FTS	5.561	8473	1885	0.331			1.35			616.71
1H,1H,2H,2H-perfluoro-1-hexanesulfonate (4 2FTS)	5.525	22	6	0.129			2.36			79.47
NFDHA	5.742	0	0	0.000			1.00			0.00
Perfluorobutanesulfonic acid (PFBS)	5.760	164	46	0.152			0.88			70.08
M3PFBS	5.749	25496	5486	0.304			1.27			5486.49
M5PFHxA	5.792	92699	21117	0.352			1.16			7707.95
Perfluorohexanoic acid (PFHxA)	5.794	558	161	0.148			0.76			6.60
M3-HFPO-DA	6.047	31533	7213	0.332			1.37			7450.36
HFPO-DA	6.103	0	0	0.000			1.00			0.00
PFEESA	6.089	0	0	0.000			1.00			0.00
5-3FTCA	6.300	0	0	0.000			1.00			0.00
M4PFHpA	6.400	35170	8040	0.297			1.05			2948.88
Perfluoroheptanoic acid (PFHpA)	6.400	0	0	0.000			1.00			0.00
Perfluoro-1-pentanesulfonate (L-PFPeS)	6.300	0	0	0.000			1.00			0.00
ADONA	6.807	0	0	0.000			1.00			0.00
M2-6-2FTS	6.683	13749	3304	0.333			1.37			2946.40

Batch Supplementary Data

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Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
1H,1H,2H,2H-perfluoro-1-octanesulfonate (6 2FTS)	6.702	28	10	0.128			0.65			79.76
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	6.879	144370	34531	0.335			1.30			318624.92
Perfluorooctanoic acid (PFOA)	6.880	770	186	0.173			1.86			3.84
M3PFHxS	6.974	23387	5216	0.325			1.26			376.02
Perfluorohexanesulfonic acid (PFHxS)	6.974	782	200	0.334			1.26			11.53
TDCA	6.950	0	0	0.000			1.00			0.00
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)	7.302	57250	13336	0.344			1.18			53042.17
Perfluorononanoic acid (PFNA)	7.294	476	112	0.132			1.01			6.80
Perfluoro-1-heptanesulfonate (L-PFHpS)	7.425	0	0	0.000			1.00			0.00
1H,1H,2H,2H-perfluoro-1-decanesulfonate (8 2FTS)	7.605	1	0	0.075			1.58			1.75
M2-8-2FTS	7.494	13856	3150	0.344			1.24			28793.90
7-3FTCA	7.453	0	0	0.000			1.00			0.00
M6PFDA	7.689	47375	11114	0.343			1.32			84026.11
Perfluorodecanoic acid (PFDA)	7.690	755	192	0.152			1.24			35.14
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	7.821	19626	4449	0.296			1.07			2070.08
Perfluorooctanesulfonic acid (PFOS)	7.822	9184	1704	0.370			0.46			1704.12
d3-N-MeFOSAA	7.871	37608	8552	0.342			1.32			28314.76
N-MeFOSAA	8.039	54	9	0.343			0.76			8.65
d5-N-EtFOSAA	8.046	30658	7058	0.271			1.46			116.68
N-EtFOSAA	8.102	0	0	0.000			1.00			0.00
M7PFUdA	8.057	61219	13973	0.334			1.34			49326.06
Perfluoroundecanoic acid (PFUnA)	8.058	2308	503	0.232			1.40			29.96
9-Cl-PF3ONS	8.142	0	0	0.000			1.00			0.00
Perfluorononanesulfonate (L-PFNS)	8.160	0	0	0.000			1.00			0.00
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.423	63723	14573	0.313			1.26			53690.13
Perfluorododecanoic acid (PFDoA)	8.451	0	0	0.000			1.00			0.00
Perfluoro-1-decanesulfonate (L-PFDS)	8.563	40	12	0.116			1.13			67.24
Perfluorotridecanoic acid (PFTrDA)	8.792	0	0	0.000			1.00			0.00

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
11-Cl-PF3OUdS	8.849	0	0	0.000			1.00			0.00
M2PFTeDA	9.122	57632	12811	0.340			1.21			1827.78
Perfluorotetradecanoic acid (PFTA)	9.131	0	0	0.000			1.00			0.00
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	9.239	38056	9245	0.284			1.33			175150.35
Perfluoro-1-octanesulfonamide (FOSA)	9.240	253	57	0.349			1.20			199.66
Perfluorododecanesulfonic acid (PFDoS)	9.363	0	0	0.000			1.00			0.00
d7-NMeFOSE	10.363	73825	18041	0.312			1.42			2783.01
NMeFOSE	10.612	0	0	0.000			1.00			0.00
d3-NMeFOSA	10.505	2682	649	0.294			1.45			288.26
NMeFOSA	10.507	0	0	0.000			1.00			0.00
d9-NEtFOSE	10.664	61484	15398	0.285			1.31			15568.69
NEtFOSE	10.683	0	0	0.000			1.00			0.00
d5-NEtFOSA	10.796	2170	572	0.262			1.32			322.26
NEtFOSA	10.825	0	0	0.000			1.00			0.00

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Sample Information

Client Sample ID: HVAC SW East-S-1 **Sample ID:** 25H1535-03RE1

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep — Results Reported to MDL — % Solids: 91.34

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.828	0.241	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.841	0.175	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	UJ:IS	ug/kg dry	0.821	0.241	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.832	0.197	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	5.47	1.03	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	5.47	0.799	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	1.09	0.350	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.819	0.296	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
919005-14-4	ADONA	ND		ug/kg dry	0.828	0.285	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CCV-L	ug/kg dry	0.876	0.252	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.219	0.0985	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.547	0.547	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	2.19	0.504	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.219	0.142	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.219	0.0876	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	2.19	0.799	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.390	0.0657	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.211	0.0657	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.219	0.0766	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.210	0.153	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.219	0.0328	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.206	0.0766	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.438	0.427	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.438	0.427	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.438	0.0438	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.438	0.131	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.194	0.0766	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.219	0.0876	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.212	0.164	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.219	0.0876	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.219	0.120	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM

Sample Information

Client Sample ID: **HVAC SW East-S-1** **Sample ID: 25H1535-03RE1**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

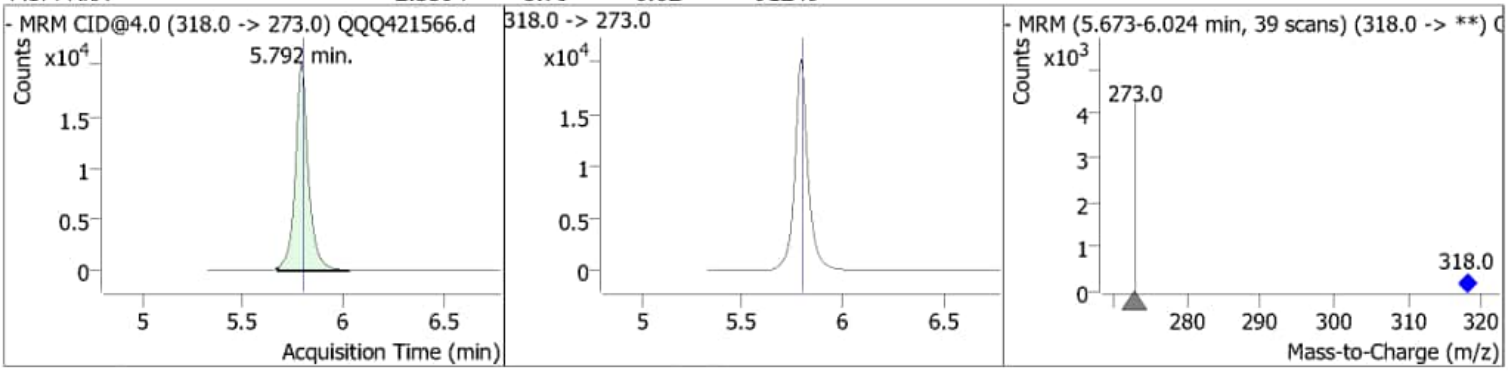
PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep — Results Reported to MDL — % Solids: 91.34

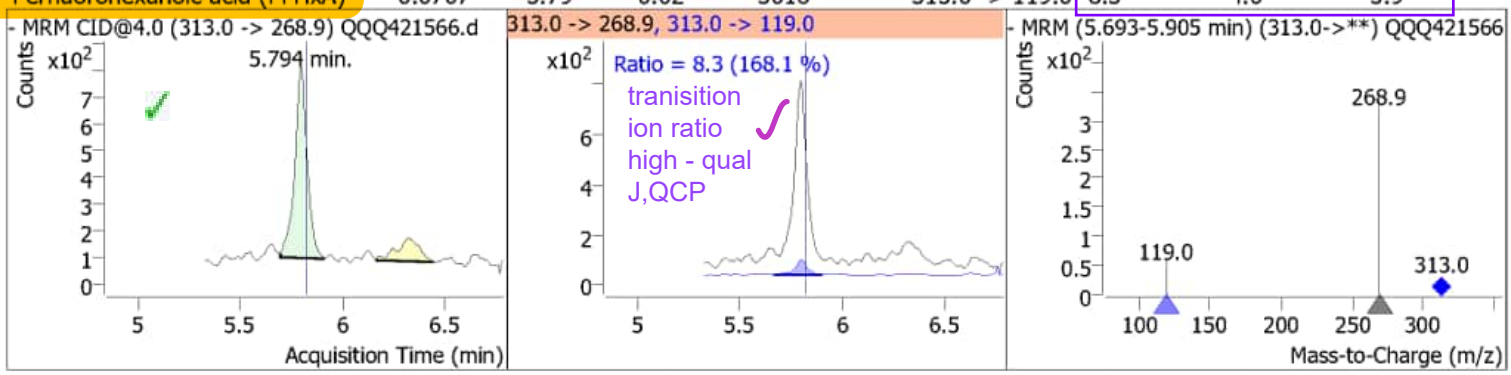
CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	0.291		ug/kg dry	0.200	0.0766	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
307-24-4	**Perfluorohexanoic acid (PFHxA)**	0.0774	J	ug/kg dry	0.219	0.0547	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.876	0.175	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.219	0.153	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	2.15		ug/kg dry	0.204	0.0766	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
335-67-1	**Perfluorooctanoic acid (PFOA)**	0.104	J	ug/kg dry	0.219	0.0766	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	0.103	J	ug/kg dry	0.438	0.0876	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.219	0.142	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.219	0.120	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
2058-94-8	**Perfluoroundecanoic acid (PFUnA)**	0.157	J	ug/kg dry	0.219	0.120	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
1180-95-6	* Taurodeoxycholic Acid (TDCA)	0.00		ug/kg dry			1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:09	AM
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*98.5 %*			*40-135*						
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*97.4 %*			*40-150*						
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*64.2 %*			*20-130*						
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*74.4 %*			*15-130*						
936109-40-9	*Surrogate: d-N-EtFOSA*	*59.8 %*			*10-130*						
936109-37-4	*Surrogate: d-N-MeFOSA*	*66.8 %*			*10-130*						
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*39.2 %*	PFSu-L		*40-165*						
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*55.2 %*			*40-215*						
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*60.2 %*			*40-275*						
13C2PFTEDA	*Surrogate: M2PFTeDA*	*85.0 %*			*20-130*						
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*98.7 %*			*40-130*						
M3PFBS	*Surrogate: M3PFBS*	*119 %*			*40-135*						
13C3PFHXS	*Surrogate: M3PFHxS*	*108 %*			*40-130*						
13C4PFHPA	*Surrogate: M4PFHpA*	*104 %*			*40-130*						
2328025-54-8	*Surrogate: M5PFHxA*	*94.4 %*			*40-130*						
2328025-54-8	*Surrogate: M5PFHxA*	*94.4 %*			*40-130*						
13C6PFDA	*Surrogate: M6PFDA*	*101 %*			*40-130*						
13C7PFUNA	*Surrogate: M7PFUdA*	*102 %*			*40-130*						
13C9PFNA	*Surrogate: M9PFNA*	*128 %*			*40-130*						
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*83.7 %*			*40-130*						
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*105 %*			*40-130*						
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*98.4 %*			*40-130*						
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*103 %*			*8-130*						
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*89.2 %*			*35-130*						
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*108 %*			*40-130*						

EIS recovery low - qual UJ,IS

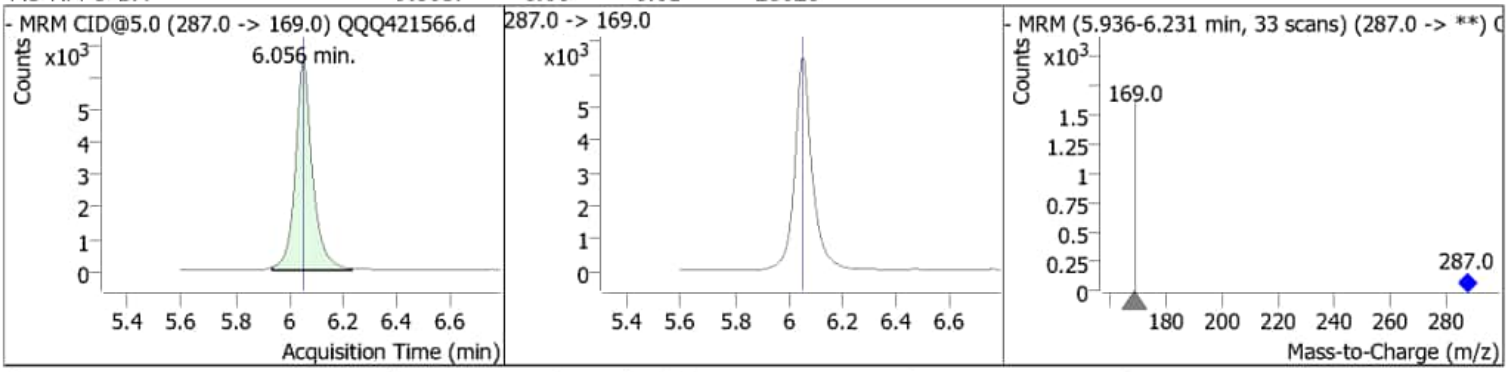
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
M5PFHxA	2.3594	5.79	-0.02	91249				



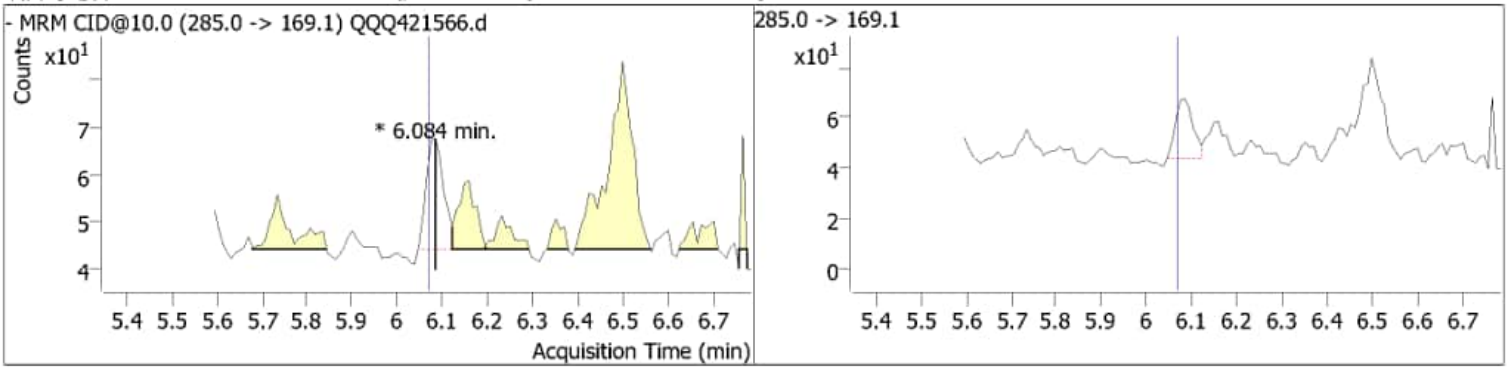
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorohexanoic acid (PFHxA)	0.0707	5.79	-0.02	3016	313.0 -> 119.0	8.3	4.0	5.9



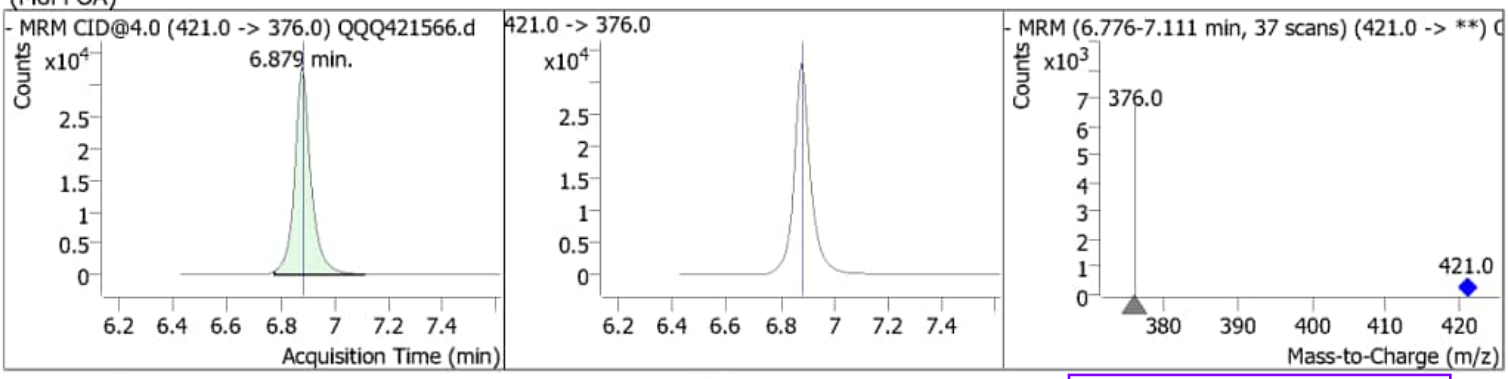
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
M3-HFPO-DA	9.8657	6.06	-0.01	28628				



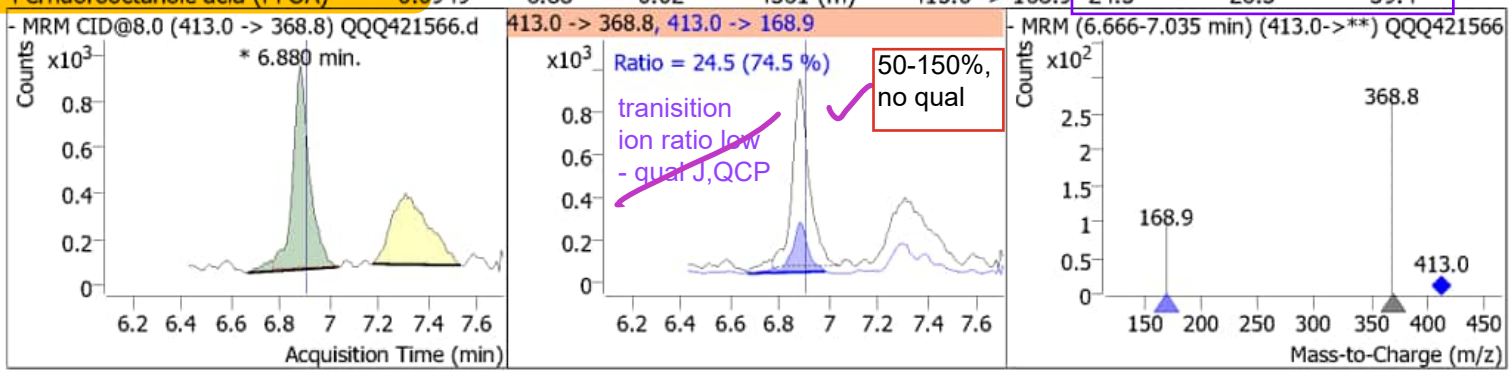
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0				



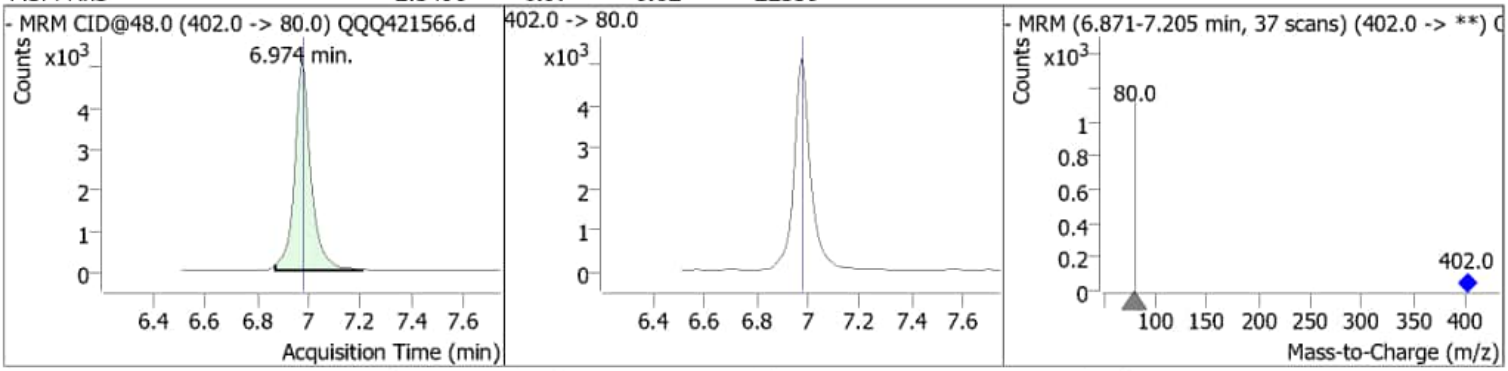
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.7104	6.88	-0.02	137956				



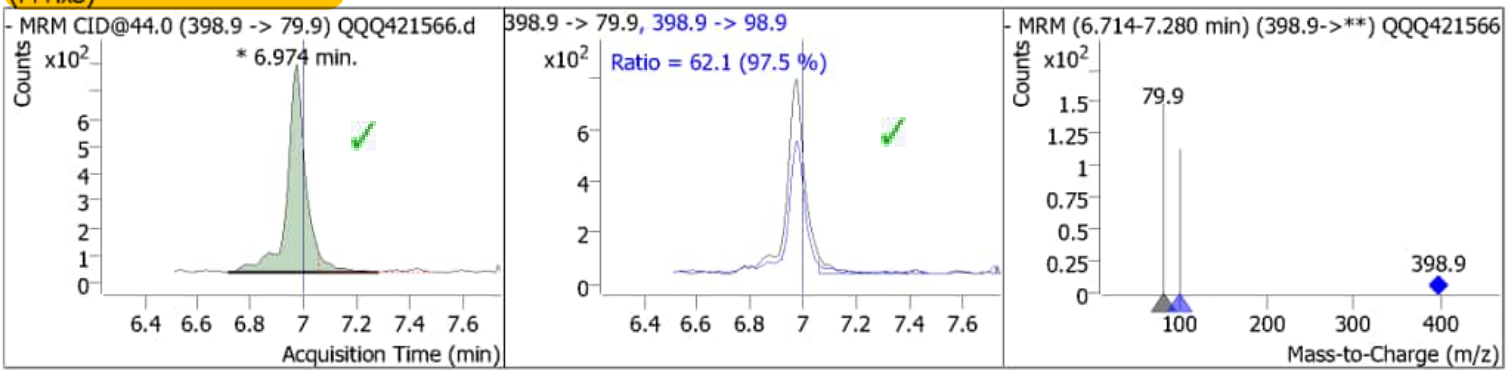
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorooctanoic acid (PFOA)	0.0949	6.88	-0.02	4361 (m)	413.0 -> 168.9	24.5	26.3	39.4



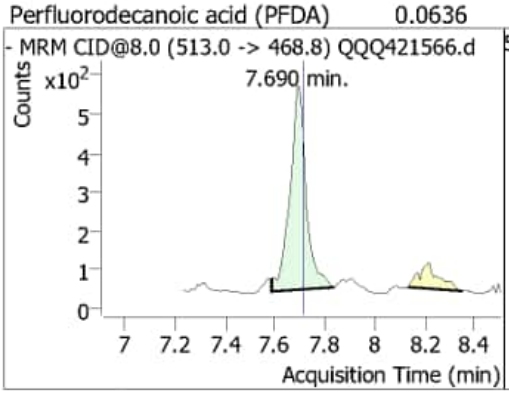
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
M3PFHxS	2.5498	6.97	-0.02	22359				

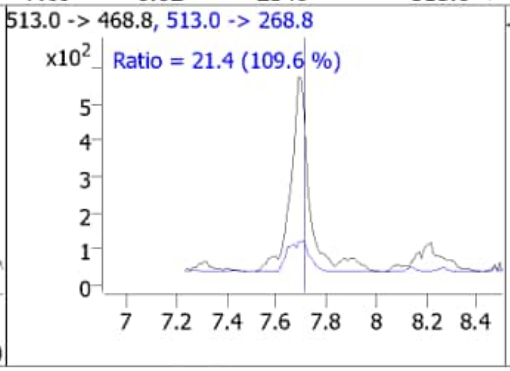


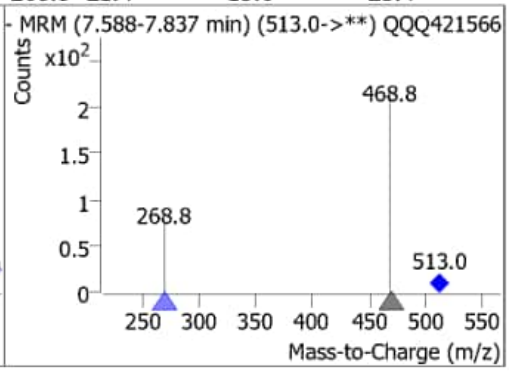
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorohexanesulfonic acid (PFHxS)	0.2659	6.97	-0.02	3750 (m)	398.9 -> 98.9	62.1	51.0	76.5



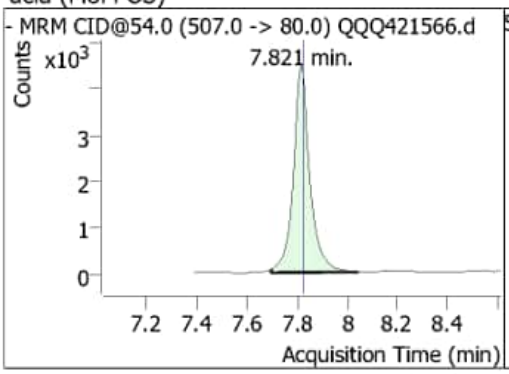
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorodecanoic acid (PFDA)	0.0636	7.69	-0.02	2340	513.0 -> 268.8	21.4	15.6	23.4

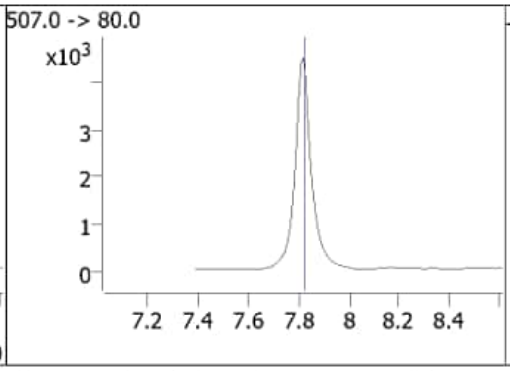


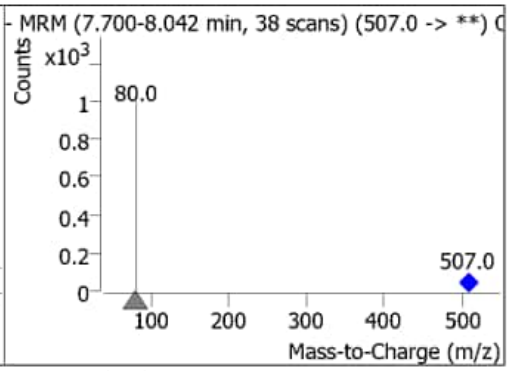




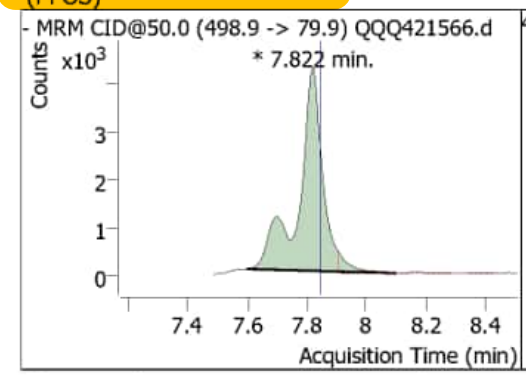
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.5046	7.82	-0.02	20021				

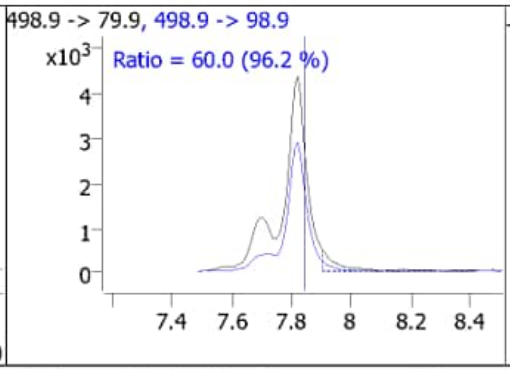


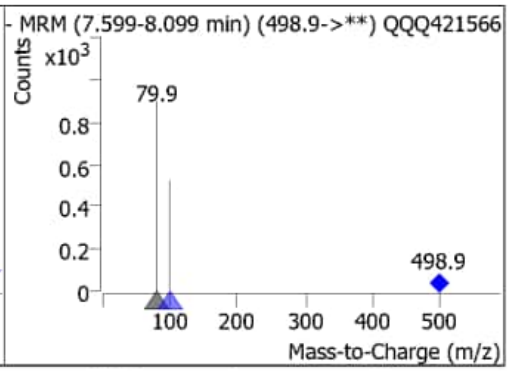




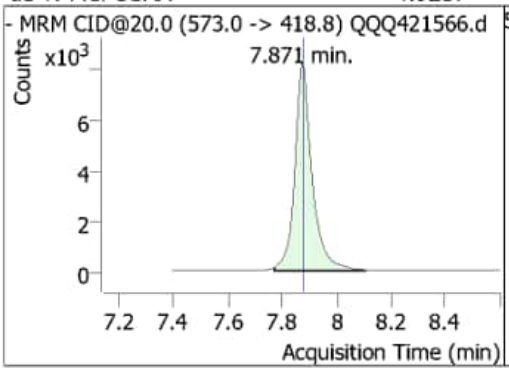
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorooctanesulfonic acid (PFOS)	1.9649	7.82	-0.02	24337 (m)	498.9 -> 98.9	60.0	49.9	74.8

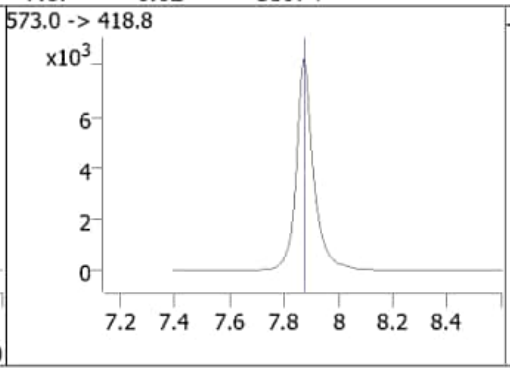


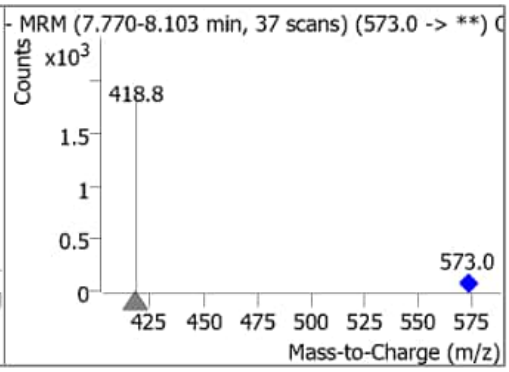




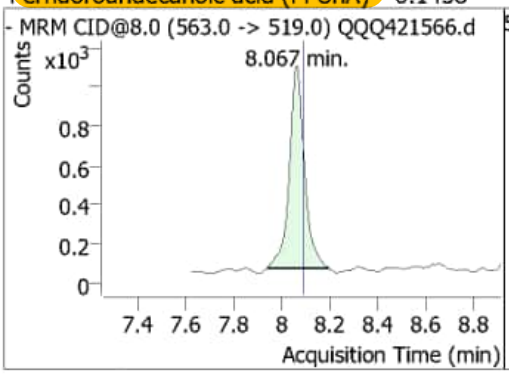
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
d3-N-MeFOSAA	4.9257	7.87	-0.02	35974				

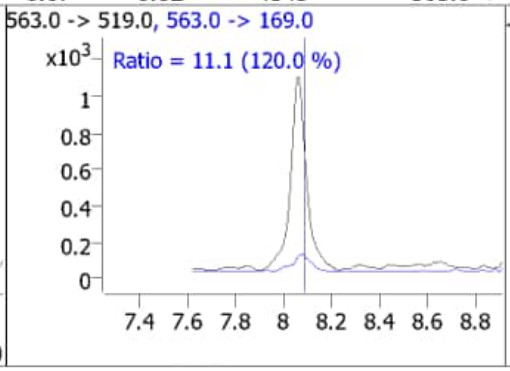


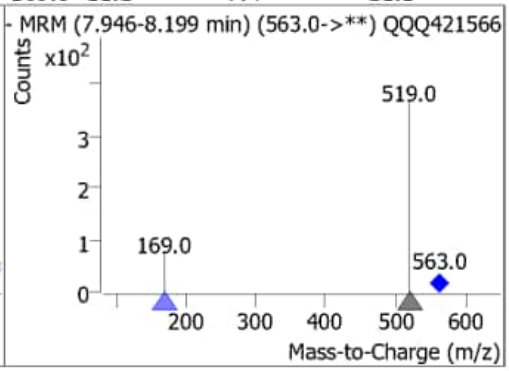




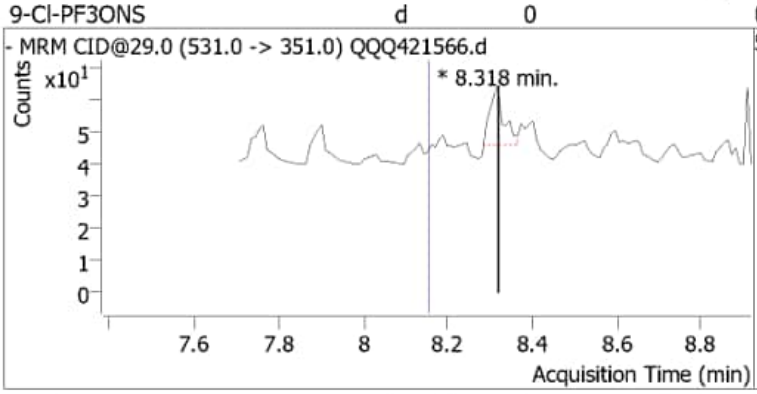
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoroundecanoic acid (PFUnA)	0.1438	8.07	-0.02	4545	563.0 -> 169.0	11.1	7.4	11.1

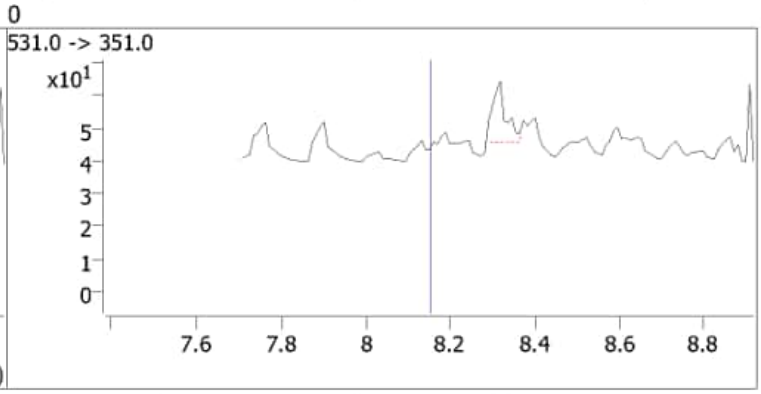




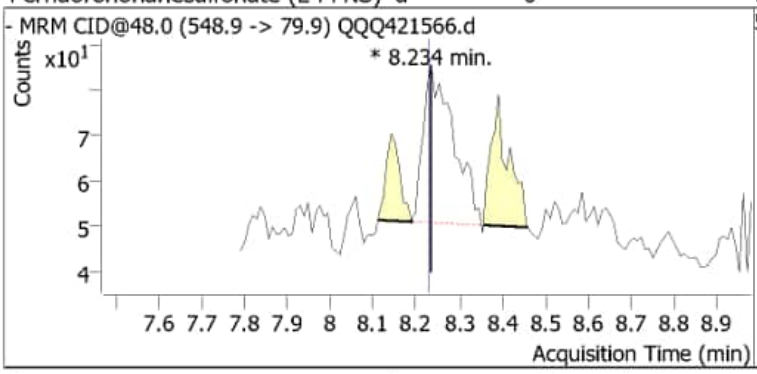


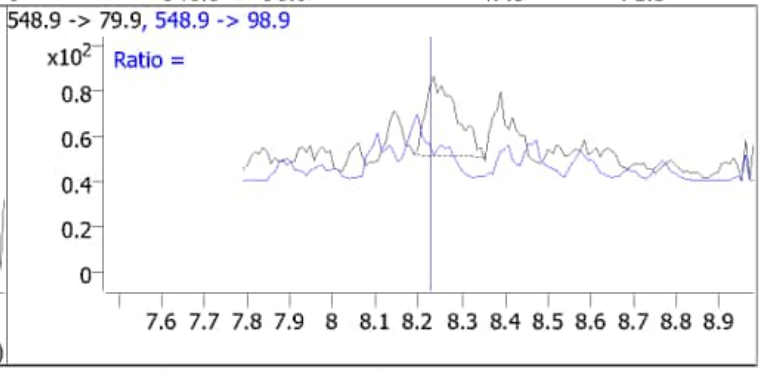
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9-Cl-PF3ONS	d	0		0				



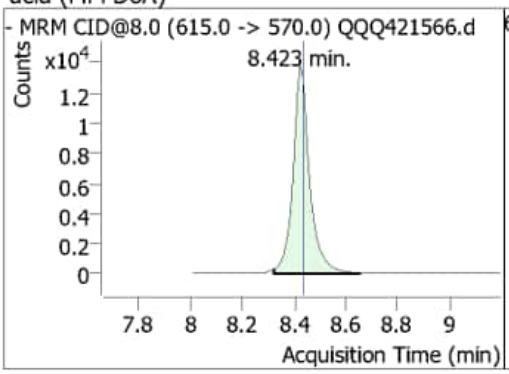


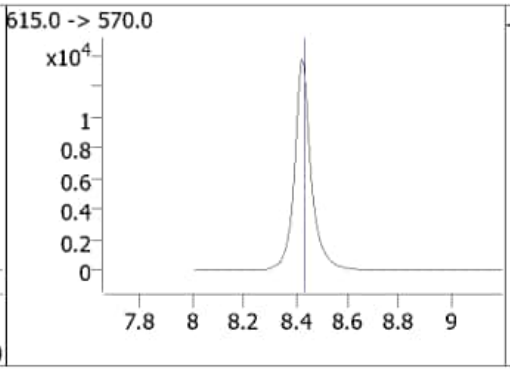
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorononanesulfonate (L-PFNS)	d	0		0	548.9 -> 98.9		47.5	71.3

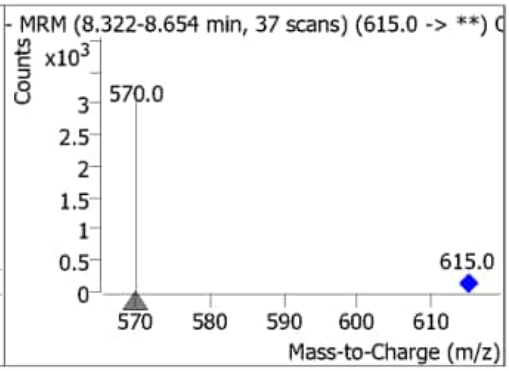




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.2298	8.42	-0.03	60938				







Batch Supplementary Data

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Batch Data Path File Name	D:\MassHunter\Data\PFAS\QuantResults\2025-09-07A-1633Final.batch.bin		
Analysis Time Stamp	9/8/2025 3:59:37 PM	**Analyst Name**	CORP\NARCM.UserPFAS
Report Generation Time	9/8/2025 4:13:03 PM	**Report Generator Name**	CORP\NARCM.UserPFAS
Calibration Last Updated Time Stamp	8/28/2025 4:05:26 PM	**Batch State**	Processed
Analyze Quant Version	11.1	**Report Quant Version**	11.1

>10:1

Acq. Date-Time	9/7/2025 11:09:20 PM	**Data File**	QQQ421566.d
Sample Type	Sample	**Sampe Name**	25H1535-03RE1
Dil.	1	**Acq. Method File**	ACQ_QQQ4_EPA1633Final_revA_2025-08-26.m

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.037	96623	6671	0.826			0.75			1197.88
Perfluoro-n-butanoic acid (PFBA)	3.015	0	0	0.000			1.00			0.00
PFMPA	4.049	0	0	0.000			1.00			0.00
3:3FTCA	4.499	0	0	0.000			1.00			0.00
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)	4.910	82479	16874	0.406			1.17			4169.33
Perfluoro-n-pentanoic acid (PFPeA)	4.912	939	217	0.179			0.91			14.95 ✓
PFMBA	5.196	0	0	0.000			1.00			0.00
M2-4-2FTS	5.561	8103	1800	0.276			1.35			1849.09
1H,1H,2H,2H-perfluoro-1-hexanesulfonate (4 2FTS)	5.561	19	8	0.124			1.40			367.50
NFDHA	5.807	0	0	0.000			1.00			0.00
Perfluorobutanesulfonic acid (PFBS)	5.760	496	114	0.285			0.64			29.55
M3PFBS	5.749	24213	5056	0.343			1.16			5056.16
M5PFHxA	5.792	91249	20221	0.352			1.11			14666.72
Perfluorohexanoic acid (PFHxA)	5.794	3016	717	0.212			0.89			58.71 ✓
M3-HFPO-DA	6.056	28628	6412	0.295			1.09			1132.37
HFPO-DA	6.084	0	0	0.000			1.00			0.00
PFEESA	6.025	0	0	0.000			1.00			0.00
5-3FTCA	6.365	0	0	0.000			1.00			0.00
M4PFHpA	6.400	34118	7721	0.353			1.15			7720.84
Perfluoroheptanoic acid (PFHpA)	6.391	1860	367	0.371			1.94			51.55
Perfluoro-1-pentanesulfonate (L-PFPeS)	6.458	372	79	0.220			0.91			17.54
ADONA	6.576	0	0	0.000			1.00			0.00
M2-6-2FTS	6.683	14072	3253	0.323			1.60			667.16

Batch Supplementary Data

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Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
1H,1H,2H,2H-perfluoro-1-octanesulfonate (6 2FTS)	6.999	12	7	0.047			0.52			55.95
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	6.879	137956	32747	0.335			1.28			233687.11
Perfluorooctanoic acid (PFOA)	6.880	4361	888	0.369			1.52			140.88
M3PFHxS	6.974	22359	5094	0.334			1.26			2905.12
Perfluorohexanesulfonic acid (PFHxS)	6.974	3750	755	0.566			1.26			755.09
TDCA	6.913	0	0	0.000			1.00			0.00
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)	7.302	56708	13313	0.334			1.18			145947.45
Perfluorononanoic acid (PFNA)	7.303	2002	524	0.223			1.23			35.82
Perfluoro-1-heptanesulfonate (L-PFHpS)	7.415	145	44	0.128			0.97			88.05
1H,1H,2H,2H-perfluoro-1-decanesulfonate (8 2FTS)	7.467	40	15	0.168			1.63			176.48
M2-8-2FTS	7.503	13809	3114	0.297			1.14			576.55
7-3FTCA	7.897	0	0	0.000			1.00			0.00
M6PFDA	7.689	44370	10117	0.343			1.28			36013.78
Perfluorodecanoic acid (PFDA)	7.690	2340	522	0.249			1.15			113.43
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	7.821	20021	4449	0.342			1.11			635.93
Perfluorooctanesulfonic acid (PFOS)	7.822	24337	4275	0.501			0.49			4275.18
d3-N-MeFOSAA	7.871	35974	8220	0.332			1.45			17425.16
N-MeFOSAA	8.298	5	2	0.343			0.00			2.40
d5-N-EtFOSAA	8.046	27819	6084	0.334			1.58			156.30
N-EtFOSAA	8.223	0	0	0.000			1.00			0.00
M7PFUdA	8.066	59382	13830	0.287			1.13			27052.76
Perfluoroundecanoic acid (PFUnA)	8.067	4545	1035	0.253			1.03			595.00
9-Cl-PF3ONS	8.318	0	0	0.000			1.00			0.00
Perfluorononanesulfonate (L-PFNS)	8.234	0	0	0.000			1.00			0.00
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.423	60938	13790	0.332			1.34			100476.09
Perfluorododecanoic acid (PFDoA)	8.423	800	213	0.199			0.80			11.50
Perfluoro-1-decanesulfonate (L-PFDS)	8.573	0	0	0.000			1.00			0.00
Perfluorotridecanoic acid (PFTrDA)	8.783	1985	474	0.212			1.47			66.70

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
11-Cl-PF3OUdS	8.792	0	0	0.000			1.00			0.00
M2PFTeDA	9.122	54666	12367	0.340			1.24			22739.23
Perfluorotetradecanoic acid (PFTA)	9.122	391	105	0.156			1.28			18.28
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	9.239	36736	8877	0.284			1.37			18000.32
Perfluoro-1-octanesulfonamide (FOSA)	9.240	0	0	0.000			1.00			0.00
Perfluorododecanesulfonic acid (PFDoS)	9.188	0	0	0.000			1.00			0.00
d7-NMeFOSE	10.363	71996	17384	0.312			1.49			4148.58
NMeFOSE	9.989	0	0	0.000			1.00			0.00
d3-NMeFOSA	10.515	2666	666	0.285			1.25			511.80
NMeFOSA	10.627	0	0	0.000			1.00			0.00
d9-NEtFOSE	10.664	65760	16544	0.321			1.41			2745.93
NEtFOSE	10.683	0	0	0.000			1.00			0.00
d5-NEtFOSA	10.796	2023	517	0.294			1.54			221.96
NEtFOSA	10.641	0	0	0.000			1.00			0.00

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Sample Information

Client Sample ID: HVAC SW West-S-1 **Sample ID:** 25H1535-04RE1

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep | Results Reported to MDL | % Solids: 90.62

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.838	0.244	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.851	0.177	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	✓	ug/kg dry	0.831	0.244	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.842	0.199	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	5.54	1.04	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	5.54	0.809	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	1.11	0.355	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.829	0.299	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
919005-14-4	ADONA	ND		ug/kg dry	0.838	0.288	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CCV-L	ug/kg dry	0.886	0.255	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.222	0.0997	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.554	0.554	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	2.22	0.510	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.222	0.144	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.222	0.0886	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	2.22	0.809	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.394	0.0665	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.214	0.0665	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.222	0.0776	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.213	0.155	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.222	0.0332	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.208	0.0776	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.443	0.432	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.443	0.432	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.443	0.0443	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.443	0.133	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.196	0.0776	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.222	0.0886	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.215	0.166	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
307-55-1	**Perfluorododecanoic acid (PFDoA)**	0.0903	J	ug/kg dry	0.222	0.0886	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.222	0.122	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM

Sample Information

Client Sample ID: **HVAC SW West-S-1** **Sample ID: 25H1535-04RE1**

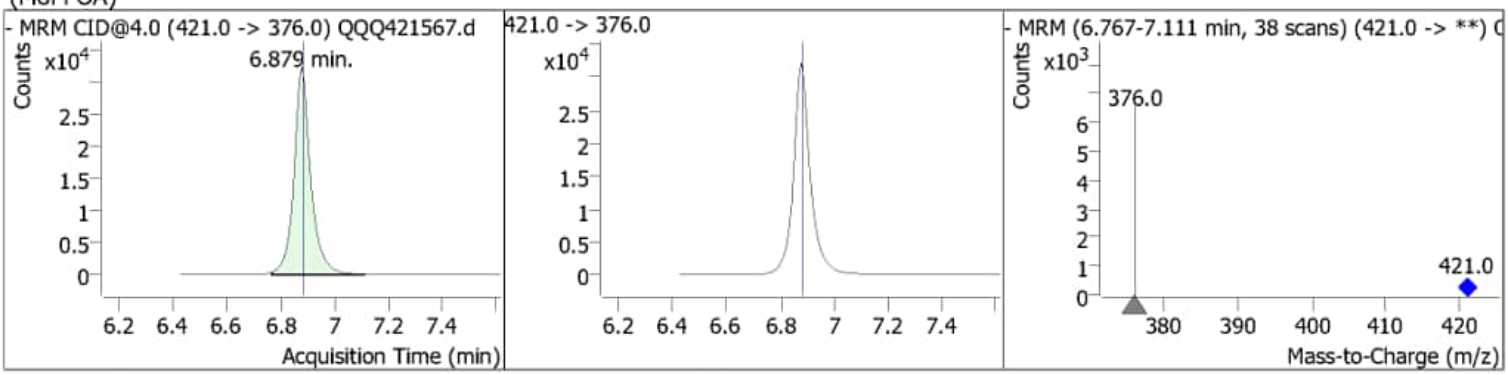
Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

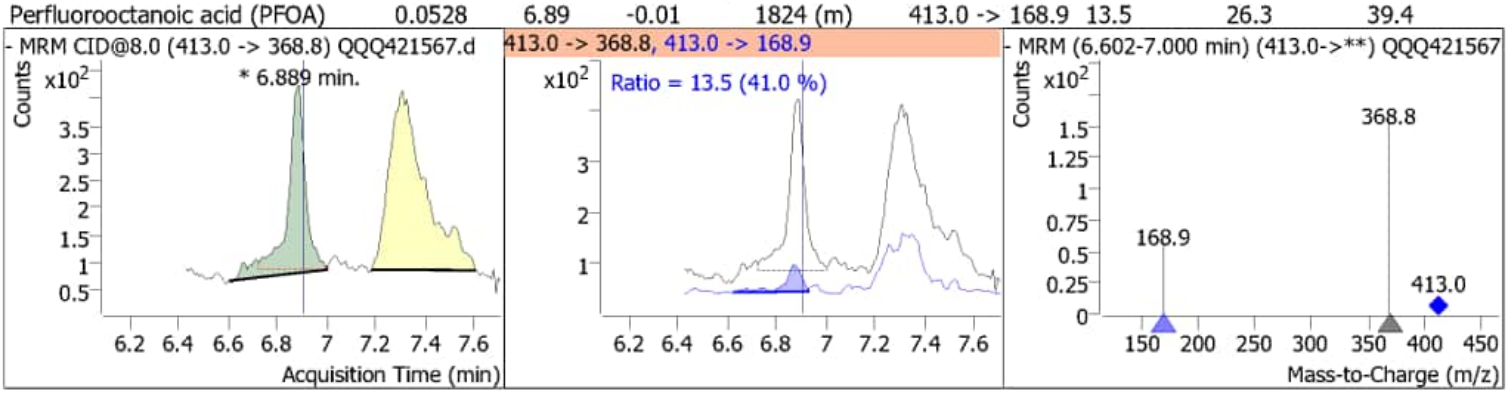
Sample Prepared by Method: EPA 1633 Prep — Results Reported to MDL — % Solids: 90.62

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	0.150	J	ug/kg dry	0.203	0.0776	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.222	0.0554	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.886	0.177	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.222	0.155	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	0.567		ug/kg dry	0.206	0.0776	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.222	0.0776	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.443	0.0886	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.222	0.144	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.222	0.122	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.222	0.122	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
1180-95-6	* Taurodeoxycholic Acid (TDCA)	0.00		ug/kg dry			1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:24	AM
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*103 %*			*40-135*						
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*97.3 %*			*40-150*						
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*67.8 %*			*20-130*						
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*73.7 %*			*15-130*						
936109-40-9	*Surrogate: d-N-EtFOSA*	*76.3 %*			*10-130*						
936109-37-4	*Surrogate: d-N-MeFOSA*	*76.6 %*			*10-130*						
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*40.0 %*			*40-165*						
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*54.4 %*			*40-215*						
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*56.7 %*			*40-275*						
13C2PFTEDA	*Surrogate: M2PFTeDA*	*91.6 %*			*20-130*						
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*109 %*			*40-130*						
M3PFBS	*Surrogate: M3PFBS*	*124 %*			*40-135*						
13C3PFHXS	*Surrogate: M3PFHxS*	*112 %*			*40-130*						
13C4PFHPA	*Surrogate: M4PFHpA*	*99.5 %*			*40-130*						
2328025-54-8	*Surrogate: M5PFHxA*	*89.8 %*			*40-130*						
2328025-54-8	*Surrogate: M5PFHxA*	*89.8 %*			*40-130*						
13C6PFDA	*Surrogate: M6PFDA*	*105 %*			*40-130*						
13C7PFUNA	*Surrogate: M7PFUdA*	*109 %*			*40-130*						
13C9PFNA	*Surrogate: M9PFNA*	*129 %*			*40-130*						
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*86.9 %*			*40-130*						
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*107 %*			*40-130*						
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*103 %*			*40-130*						
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*97.2 %*			*8-130*						
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*87.2 %*			*35-130*						
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*108 %*			*40-130*						

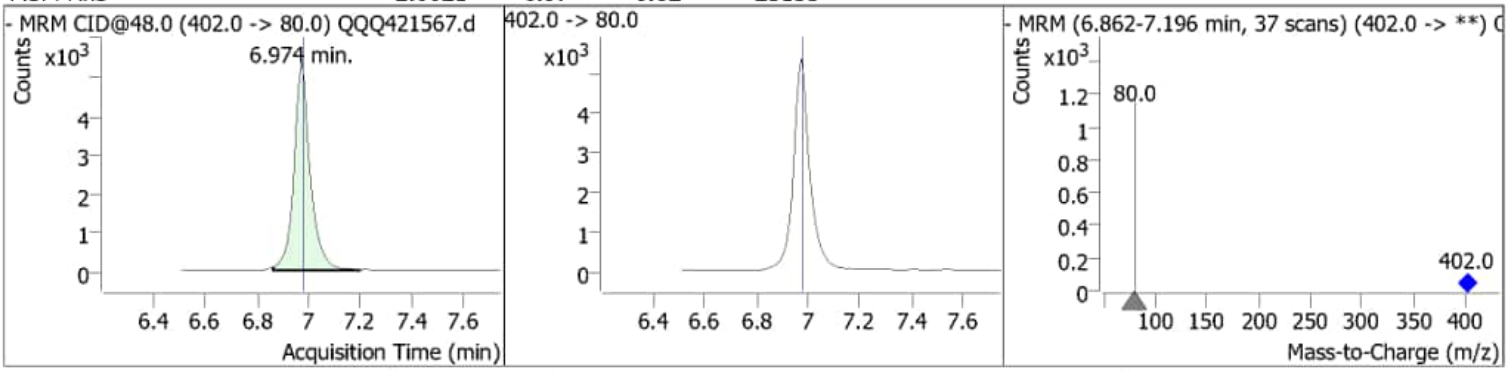
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.7002	6.88	-0.02	138110				



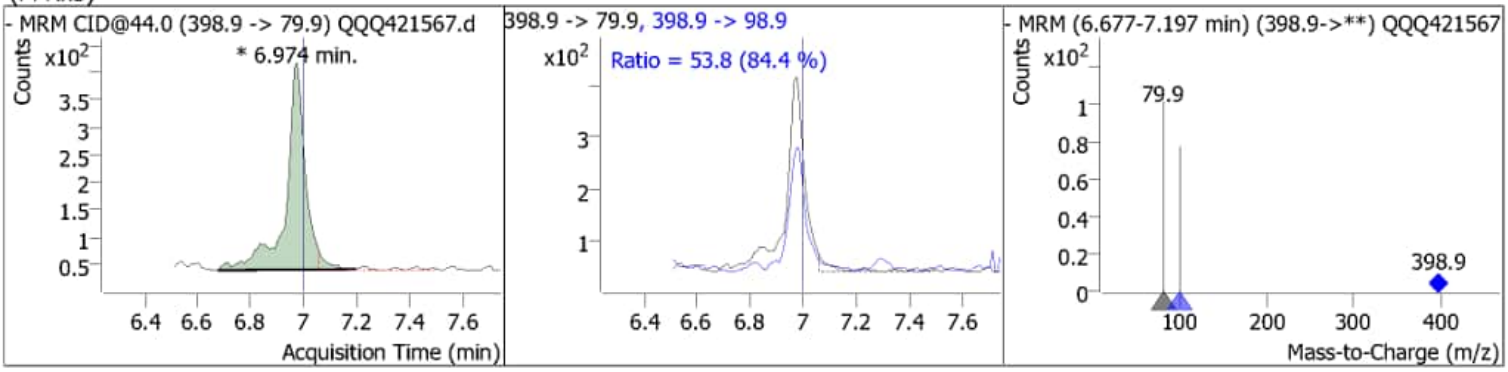
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorooctanoic acid (PFOA)	0.0528	6.89	-0.01	1824 (m)	413.0 -> 168.9	13.5	26.3	39.4



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
M3PFHxS	2.6621	6.97	-0.02	23133				

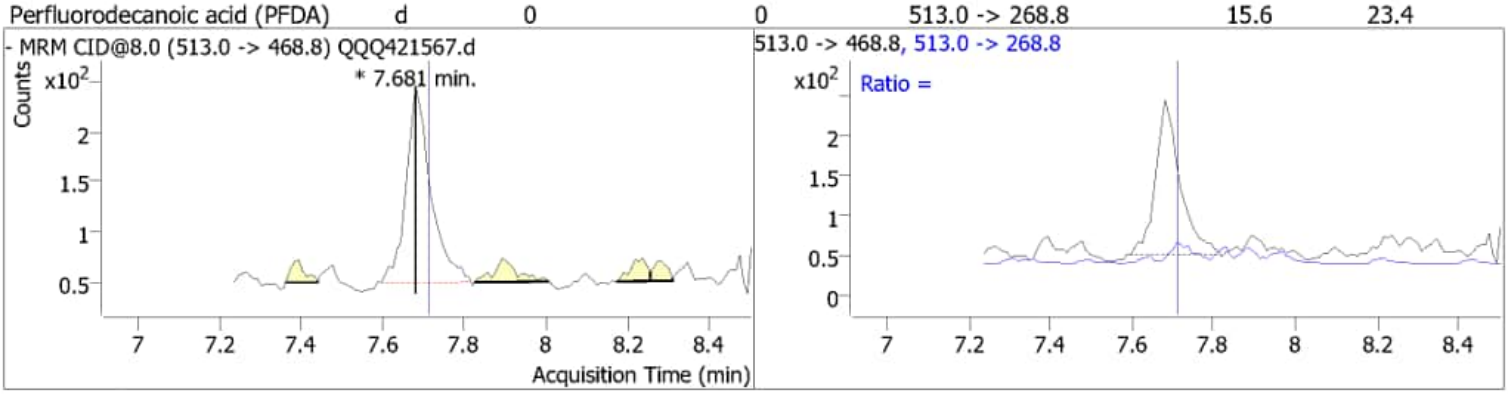


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorohexanesulfonic acid (PFHxS)	0.1352	6.97	-0.02	1953 (m)	398.9 -> 98.9	53.8	51.0	76.5

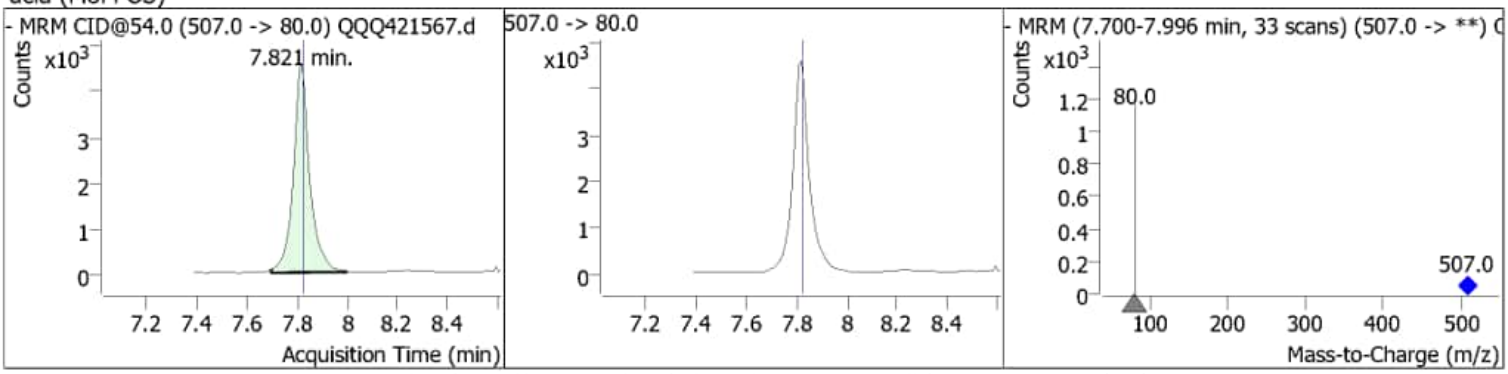


Quantitation Results Report (QT Reviewed)

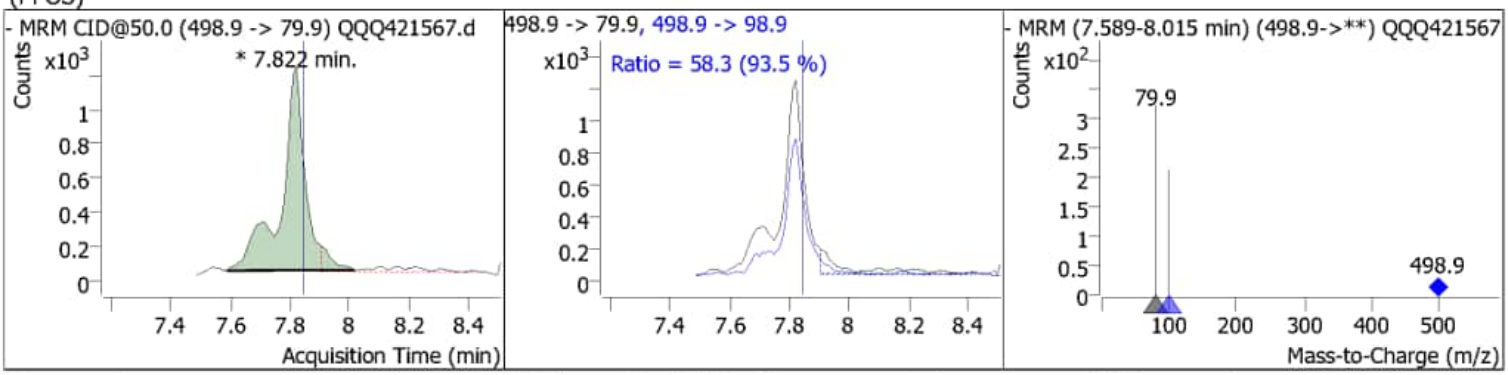
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorodecanoic acid (PFDA)	d	0		0	513.0 -> 268.8		15.6	23.4



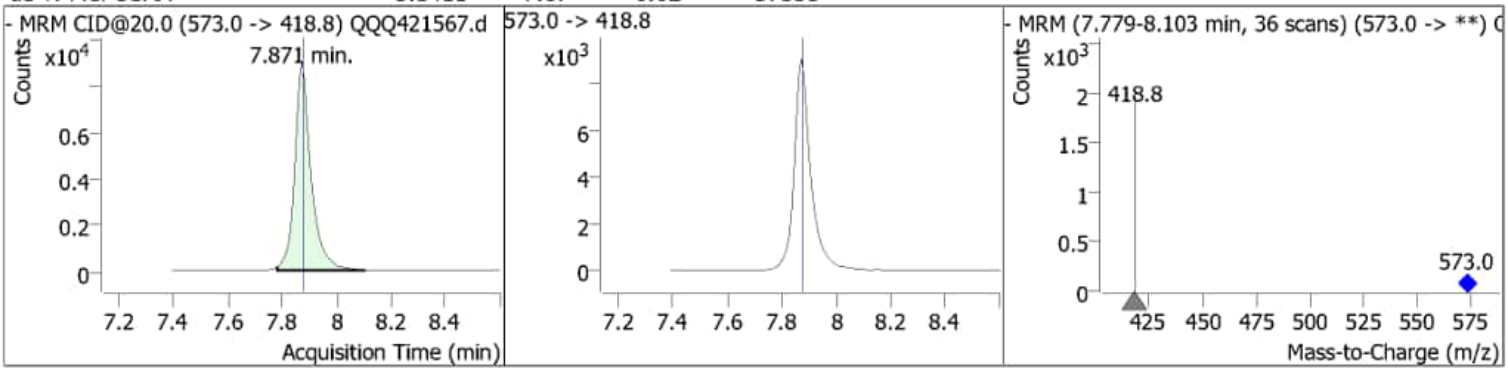
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.5661	7.82	-0.02	20408				



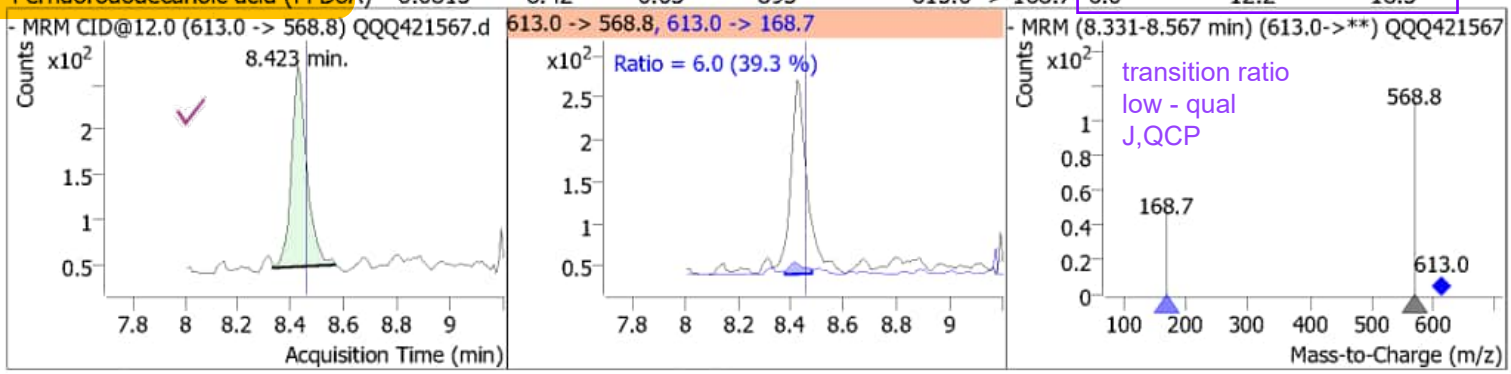
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorooctanesulfonic acid (PFOS)	0.5119	7.82	-0.02	6795 (m)	498.9 -> 98.9	58.3	49.9	74.8



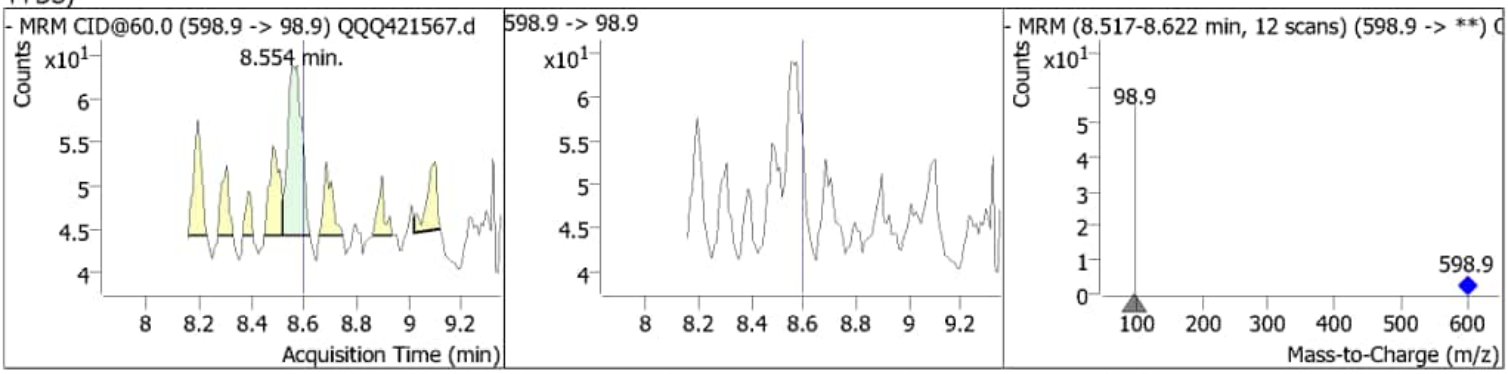
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
d3-N-MeFOSAA	5.1411	7.87	-0.02	37355				



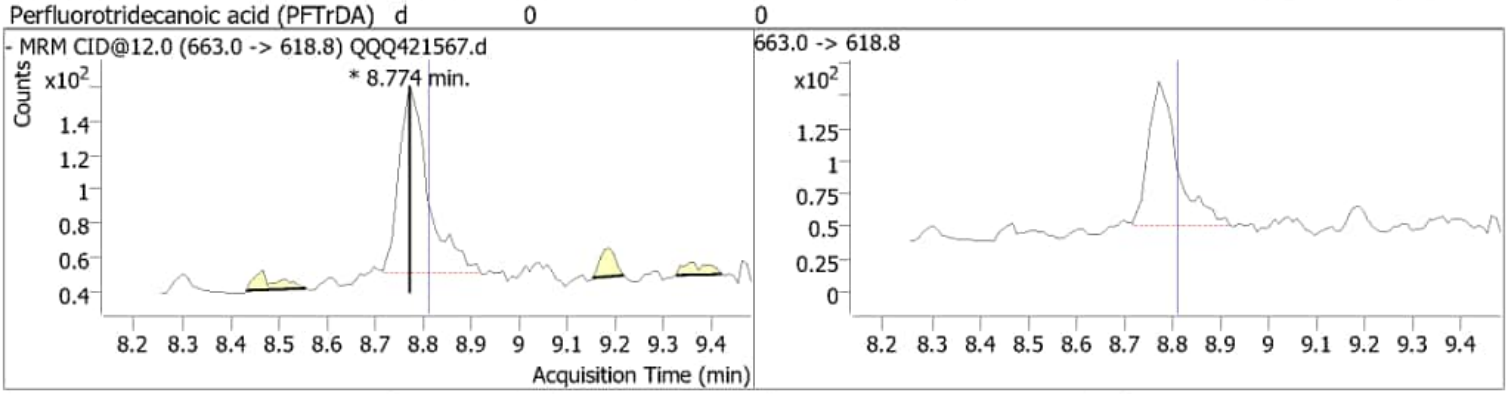
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorododecanoic acid (PFDoA)	0.0815	8.42	-0.03	893	613.0 -> 168.7	6.0	12.2	18.3



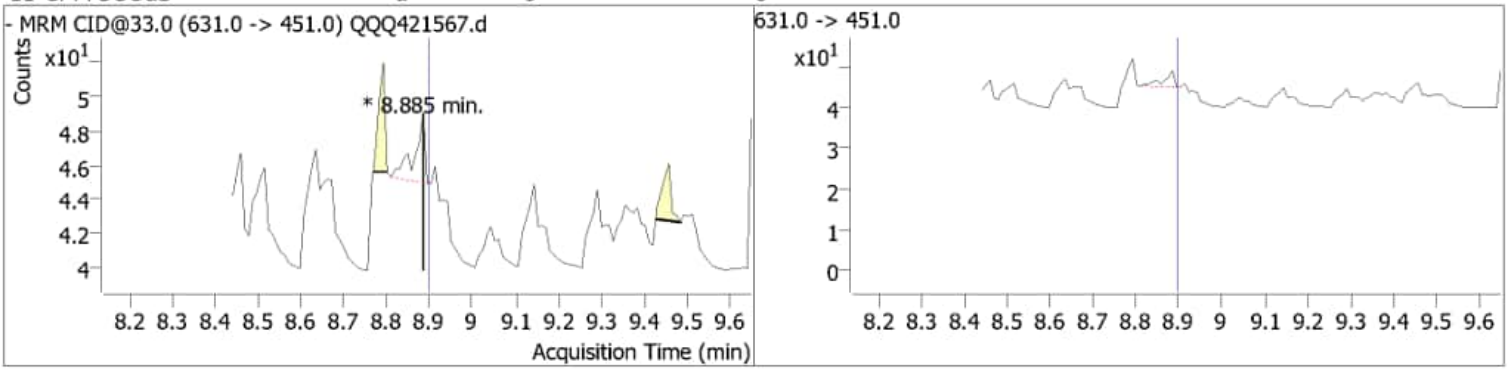
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-1-decanesulfonate (L-PFDS)	0.0000	8.55	-0.04	73				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorotridecanoic acid (PFTrDA)	d	0		0				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11-Cl-PF3OUdS	d	0		0				



Batch Supplementary Data

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Batch Data Path File Name	D:\MassHunter\Data\PFAS\QuantResults\2025-09-07A-1633Final.batch.bin		
Analysis Time Stamp	9/8/2025 3:59:37 PM	**Analyst Name**	CORP\NARCM.UserPFAS
Report Generation Time	9/8/2025 4:13:03 PM	**Report Generator Name**	CORP\NARCM.UserPFAS
Calibration Last Updated Time Stamp	8/28/2025 4:05:26 PM	**Batch State**	Processed
Analyze Quant Version	11.1	**Report Quant Version**	11.1
Acq. Date-Time	9/7/2025 11:24:38 PM	**Data File**	QQQ421567.d
Sample Type	Sample	**Sampe Name**	25H1535-04RE1
Dil.	1	**Acq. Method File**	ACQ_QQQ4_EPA1633Final_revA_2025-08-26.m

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.046	93388	6598	0.871			0.78			955.99
Perfluoro-n-butanoic acid (PFBA)	3.080	0	0	0.000			1.00			0.00
PFMPA	4.040	0	0	0.000			1.00			0.00
3:3FTCA	4.499	0	0	0.000			1.00			0.00
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)	4.910	81625	16638	0.406			1.20			3288.28
Perfluoro-n-pentanoic acid (PFPeA)	4.912	400	113	0.140			0.93			10.50
PFMBA	5.310	0	0	0.000			1.00			0.00
M2-4-2FTS	5.570	8201	1779	0.334			1.08			632.15
1H,1H,2H,2H-perfluoro-1-hexanesulfonate (4 2FTS)	5.525	7	3	0.110			1.20			18.19
NFDHA	5.807	0	0	0.000			1.00			0.00
Perfluorobutanesulfonic acid (PFBS)	5.732	0	0	0.000			1.00			0.00
M3PFBS	5.749	25010	5222	0.397			1.28			5600.00
M5PFHxA	5.792	87857	19551	0.352			1.22			6481.26
Perfluorohexanoic acid (PFHxA)	5.794	1479	362	0.194			1.24			52.05
M3-HFPO-DA	6.056	31929	7357	0.295			1.05			1430.11
HFPO-DA	6.167	0	0	0.000			1.00			0.00
PFEESA	6.681	0	0	0.000			1.00			0.00
5-3FTCA	6.495	0	0	0.000			1.00			0.00
M4PFHpA	6.400	33114	7545	0.353			1.20			7545.10
Perfluoroheptanoic acid (PFHpA)	6.400	1055	219	0.279			1.56			11.92
Perfluoro-1-pentanesulfonate (L-PFPeS)	6.458	115	23	0.195			1.69			5.73
ADONA	6.770	0	0	0.000			1.00			0.00
M2-6-2FTS	6.683	13729	3124	0.342			1.43			466.68

Batch Supplementary Data

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Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
1H,1H,2H,2H-perfluoro-1-octanesulfonate (6 2FTS)	6.693	31	13	0.110			1.19			180.64
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	6.879	138110	32126	0.344			1.22			146007.84
Perfluorooctanoic acid (PFOA)	6.889	1824	344	0.398			0.63			15.88
M3PFHxS	6.974	23133	5340	0.334			1.22			22452.50
Perfluorohexanesulfonic acid (PFHxS)	6.974	1953	376	0.519			0.96			376.08
TDCA	7.227	12	6	0.092			1.53			157.42
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)	7.302	56339	13107	0.297			1.05			140831.11
Perfluorononanoic acid (PFNA)	7.303	207	78	0.109			0.84			7.35
Perfluoro-1-heptanesulfonate (L-PFHpS)	7.406	0	0	0.000			1.00			0.00
1H,1H,2H,2H-perfluoro-1-decanesulfonate (8 2FTS)	7.605	1	0	0.076			1.32			1.94
M2-8-2FTS	7.494	12883	2917	0.287			1.43			2916.55
7-3FTCA	7.629	0	0	0.000			1.00			0.00
M6PFDA	7.689	45433	10140	0.353			1.17			165771.76
Perfluorodecanoic acid (PFDA)	7.681	0	0	0.000			1.00			0.00
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	7.821	20408	4537	0.296			1.14			707.39
Perfluorooctanesulfonic acid (PFOS)	7.822	6795	1189	0.426			0.60			1188.93
d3-N-MeFOSAA	7.871	37355	8984	0.323			1.45			68212.42
N-MeFOSAA	8.280	17	5	0.343			0.50			5.05
d5-N-EtFOSAA	8.046	27654	6077	0.324			1.59			87.68
N-EtFOSAA	8.102	0	0	0.000			1.00			0.00
M7PFUdA	8.066	62365	14405	0.296			1.01			4427.48
Perfluoroundecanoic acid (PFUnA)	8.067	1682	343	0.315			0.98			38.24
9-Cl-PF3ONS	8.318	0	0	0.000			1.00			0.00
Perfluorononanesulfonate (L-PFNS)	8.216	0	0	0.000			1.00			0.00
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.423	62795	14357	0.332			1.31			55628.88
Perfluorododecanoic acid (PFDoA)	8.423	893	224	0.235			1.58			46.67
Perfluoro-1-decanesulfonate (L-PFDS)	8.554	73	20	0.105			1.03			7.46
Perfluorotridecanoic acid (PFTrDA)	8.774	0	0	0.000			1.00			0.00

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
11-Cl-PF3OUdS	8.885	0	0	0.000			1.00			0.00
M2PFTeDA	9.122	57953	12635	0.340			1.24			33641.67
Perfluorotetradecanoic acid (PFTA)	9.131	0	0	0.000			1.00			0.00
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	9.239	37911	9209	0.330			1.38			31628.61
Perfluoro-1-octanesulfonamide (FOSA)	9.231	193	41	0.257			1.53			158.00
Perfluorododecanesulfonic acid (PFDoS)	9.298	0	0	0.000			1.00			0.00
d7-NMeFOSE	10.363	75577	18340	0.321			1.47			5688.29
NMeFOSE	10.740	0	0	0.000			1.00			0.00
d3-NMeFOSA	10.515	3039	757	0.285			1.10			265.75
NMeFOSA	10.489	0	0	0.000			1.00			0.00
d9-NEtFOSE	10.664	64745	16272	0.321			1.41			2163.04
NEtFOSE	10.693	0	0	0.000			1.00			0.00
d5-NEtFOSA	10.796	2569	667	0.257			1.39			229.44
NEtFOSA	10.834	0	0	0.000			1.00			0.00

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Sample Information

Client Sample ID: HVAC SW North 1-3 **Sample ID:** 25H1535-05RE1

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep | Results Reported to MDL | % Solids: 89.62

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.842	0.245	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.855	0.178	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.835	0.245	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.846	0.200	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	5.57	1.05	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	5.57	0.813	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	1.11	0.356	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.833	0.301	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
919005-14-4	ADONA	ND		ug/kg dry	0.842	0.290	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CCV-L	ug/kg dry	0.891	0.256	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.223	0.100	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.557	0.557	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	2.23	0.512	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.223	0.145	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.223	0.0891	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	2.23	0.813	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.396	0.0668	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.215	0.0668	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.223	0.0780	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.214	0.156	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
754-91-6	**Perfluoro-1-octanesulfonamide (FOSA)**	0.0384	J	ug/kg dry	0.223	0.0334	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.209	0.0780	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.445	0.434	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.445	0.434	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.445	0.0445	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.445	0.134	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.197	0.0780	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.223	0.0891	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.216	0.167	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.223	0.0891	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM

Sample Information

Client Sample ID: **HVAC SW North 1-3** **Sample ID: 25H1535-05RE1**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep — Results Reported to MDL — % Solids: 89.62

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.223	0.122	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	0.174	J	ug/kg dry	0.204	0.0780	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.223	0.0557	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.891	0.178	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.223	0.156	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	1.35		ug/kg dry	0.207	0.0780	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.223	0.0780	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.445	0.0891	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.223	0.145	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.223	0.122	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
2058-94-8	**Perfluoroundecanoic acid (PFUnA)**	0.129	J	ug/kg dry	0.223	0.122	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
1180-95-6	* Taurodeoxycholic Acid (TDCA)	0.00		ug/kg dry			1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:39	AM
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*105 %*			*40-135*						
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*113 %*			*40-150*						
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*72.3 %*			*20-130*						
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*79.5 %*			*15-130*						
936109-40-9	*Surrogate: d-N-EtFOSA*	*79.8 %*			*10-130*						
936109-37-4	*Surrogate: d-N-MeFOSA*	*83.2 %*			*10-130*						
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*45.6 %*			*40-165*						
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*58.6 %*			*40-215*						
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*62.5 %*			*40-275*						
13C2PFTEDA	*Surrogate: M2PFTeDA*	*92.2 %*			*20-130*						
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*101 %*			*40-130*						
M3PFBS	*Surrogate: M3PFBS*	*124 %*			*40-135*						
13C3PFHXS	*Surrogate: M3PFHxS*	*108 %*			*40-130*						
13C4PFHPA	*Surrogate: M4PFHpA*	*108 %*			*40-130*						
2328025-54-8	*Surrogate: M5PFHxA*	*95.1 %*			*40-130*						
2328025-54-8	*Surrogate: M5PFHxA*	*95.1 %*			*40-130*						
13C6PFDA	*Surrogate: M6PFDA*	*106 %*			*40-130*						
13C7PFUNA	*Surrogate: M7PFUdA*	*107 %*			*40-130*						
13C9PFNA	*Surrogate: M9PFNA*	*124 %*			*40-130*						
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*93.3 %*			*40-130*						
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*109 %*			*40-130*						
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*102 %*			*40-130*						
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*103 %*			*8-130*						
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*90.9 %*			*35-130*						

Sample Information

Client Sample ID: **HVAC SW North 1-3** **Sample ID: 25H1535-05RE1**

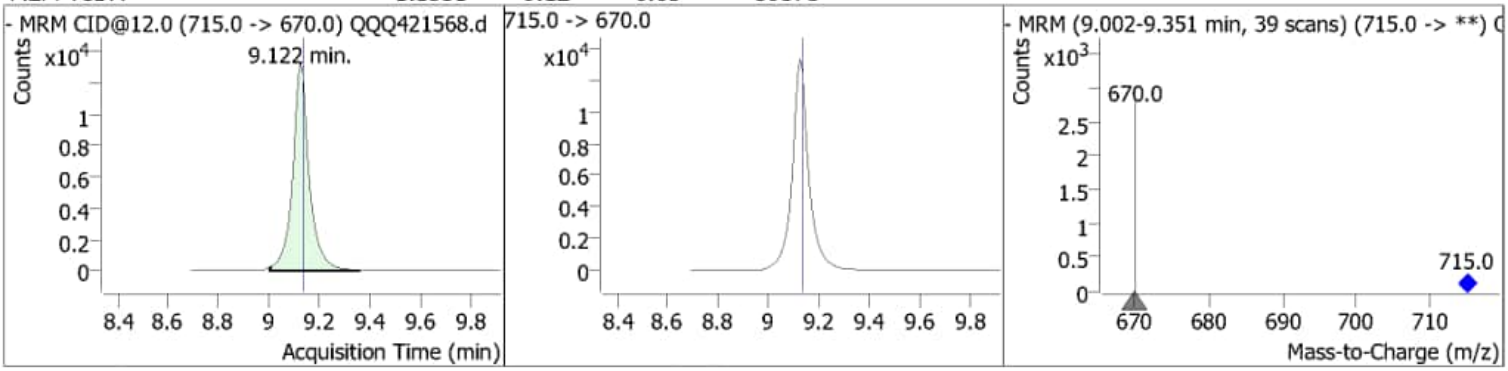
Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

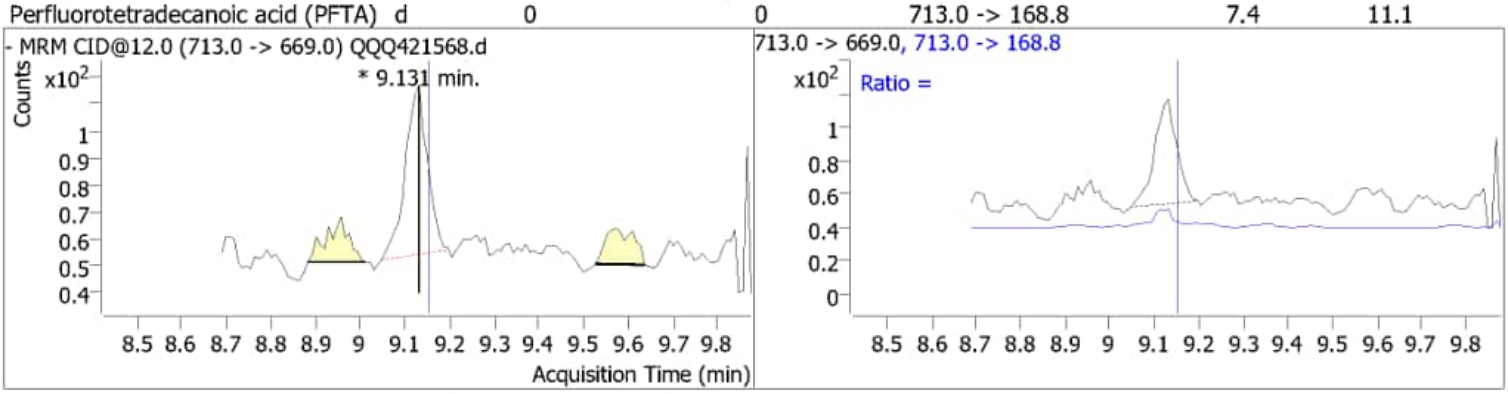
Sample Prepared by Method: EPA 1633 Prep | Results Reported to MDL | % Solids: 89.62

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*118 %*			*40-130*						

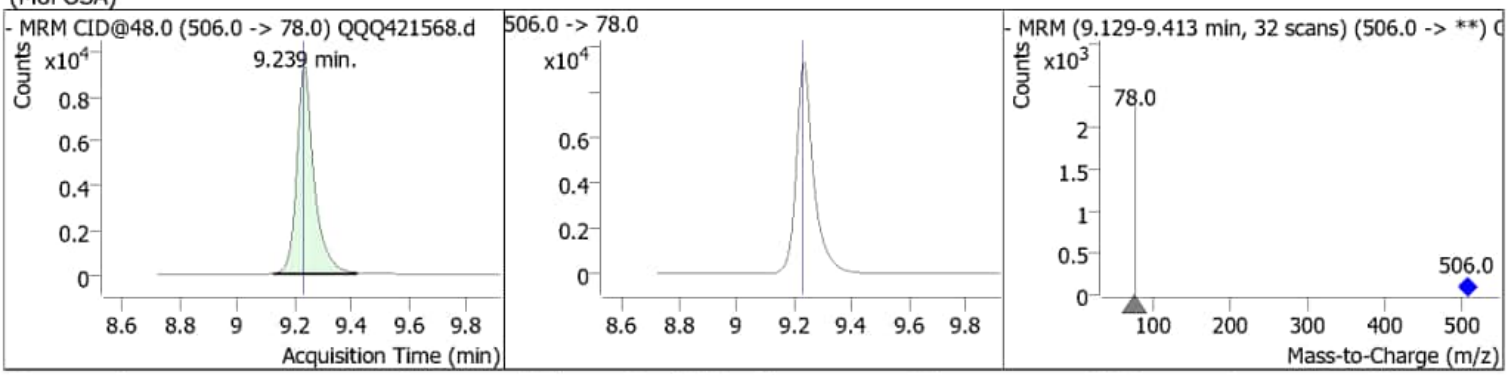
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
M2PFTeDA	1.1531	9.12	-0.03	59375				



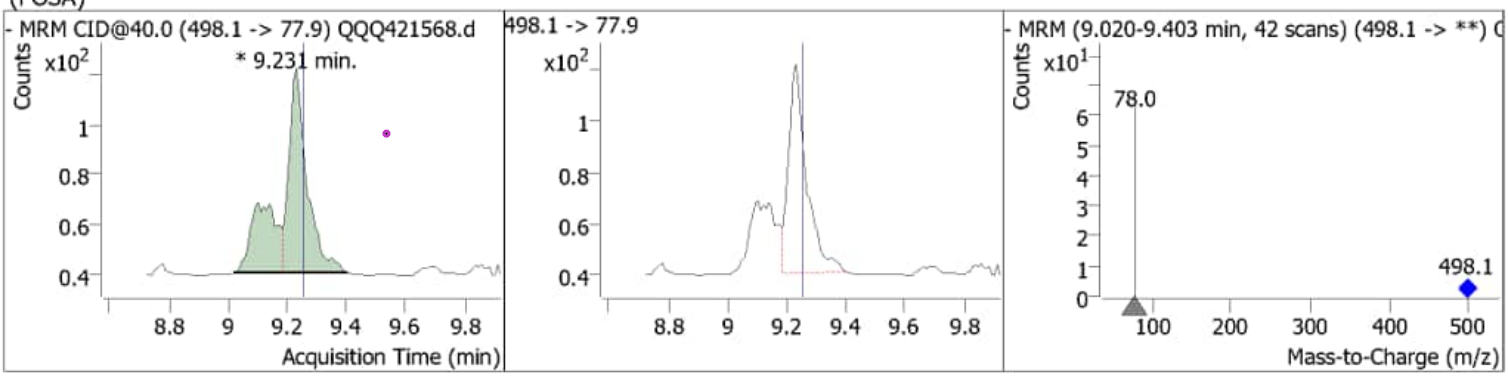
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorotetradecanoic acid (PFTA)	d	0		0	713.0 -> 168.8		7.4	11.1



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.3335	9.24	-0.01	39067				

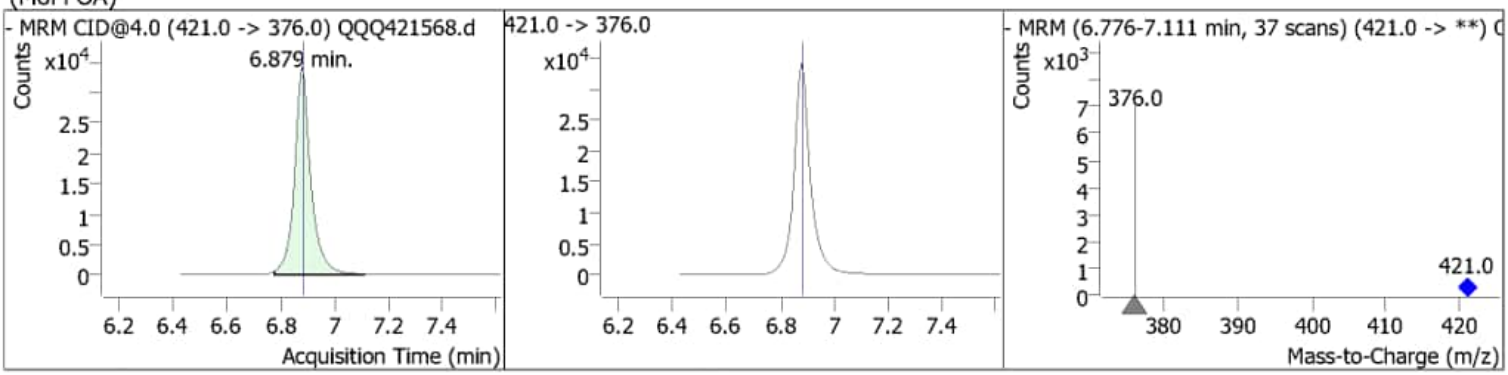


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-1-octanesulfonamide (FOSA)	0.0345	9.23	-0.02	510 (m)				

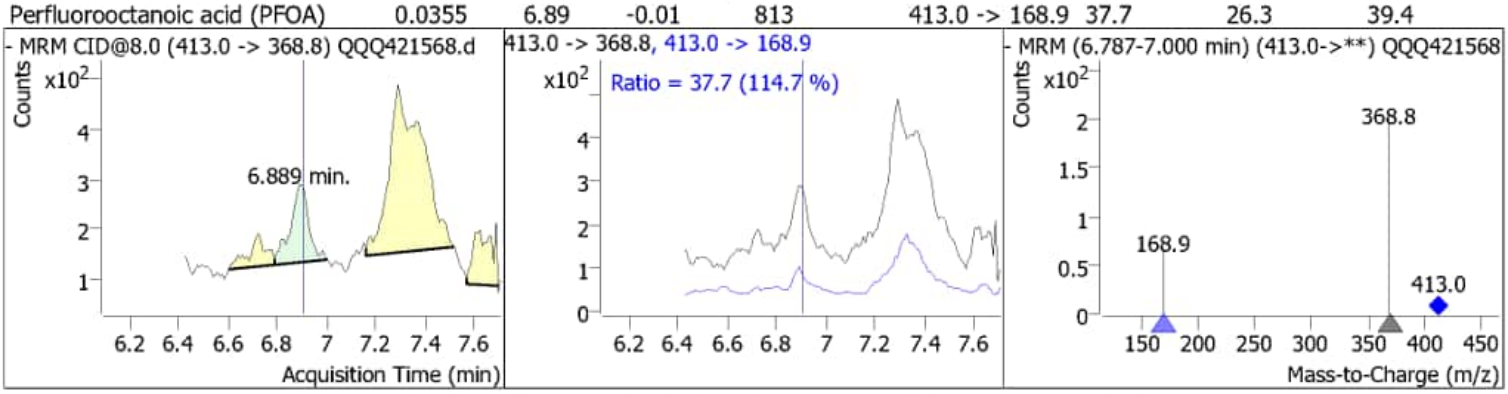


linear only in calibration standard (v. small branched peak in SSCV) - qualify J:LB

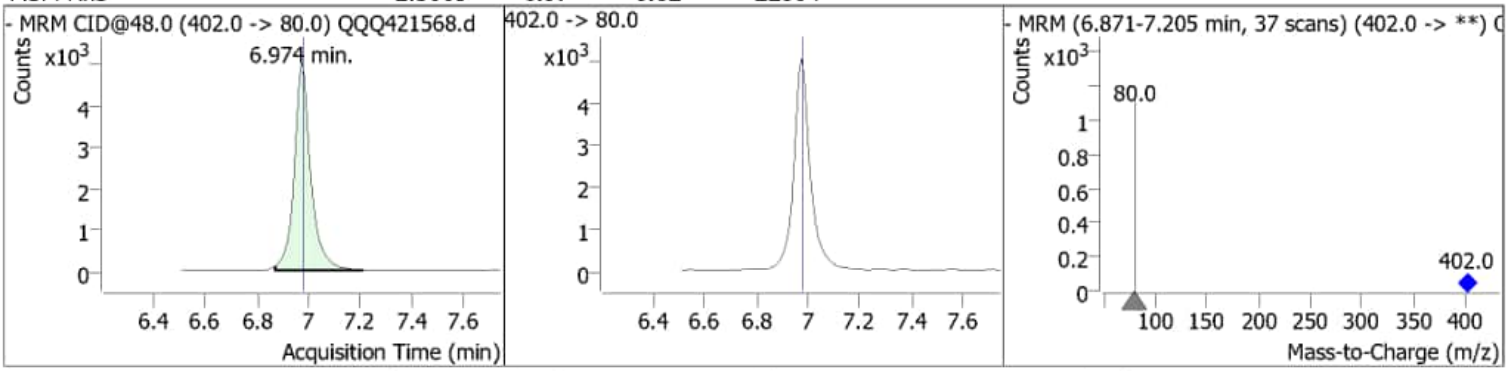
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.9509	6.88	-0.02	143674				



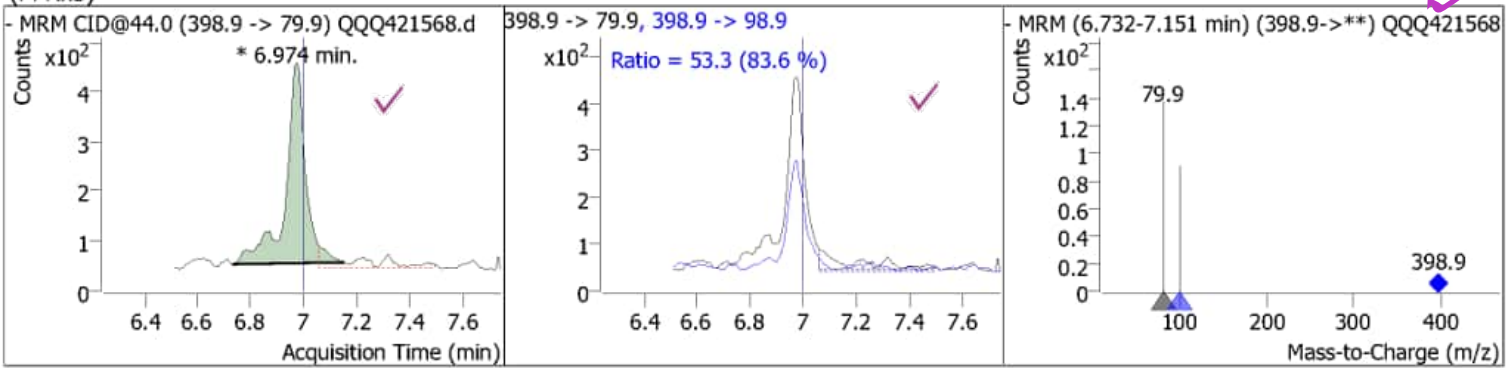
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorooctanoic acid (PFOA)	0.0355	6.89	-0.01	813	413.0 -> 168.9	37.7	26.3	39.4



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
M3PFHxS	2.5665	6.97	-0.02	22064				

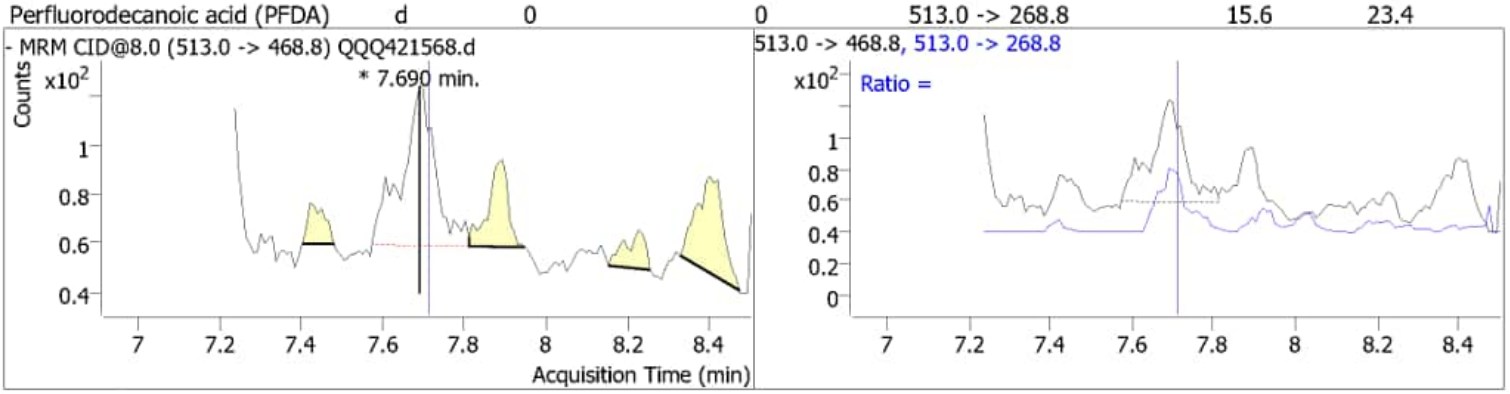


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorohexanesulfonic acid (PFHxS)	0.1559	6.97	-0.02	2154 (m)	398.9 -> 98.9	53.3	51.0	76.5

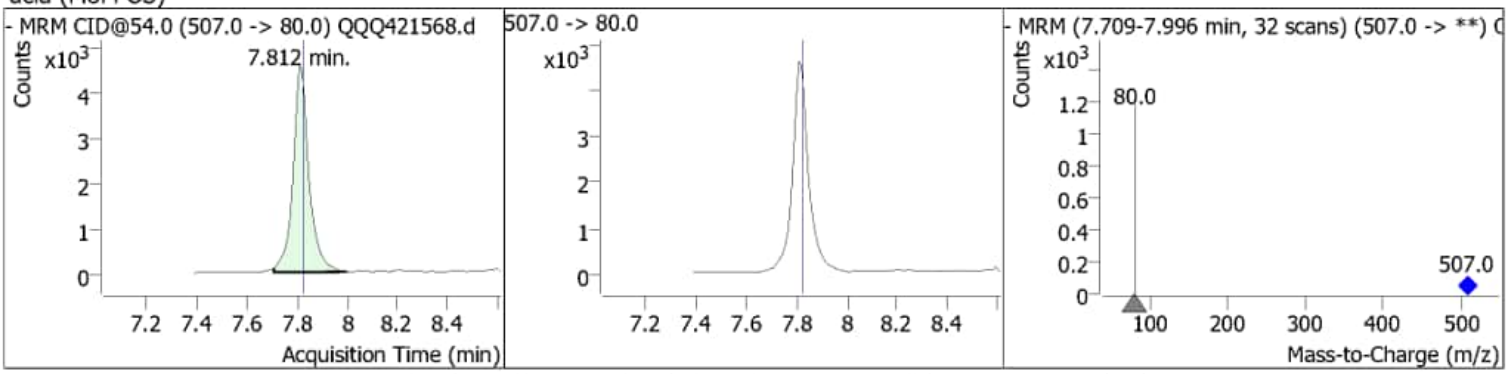


Quantitation Results Report (QT Reviewed)

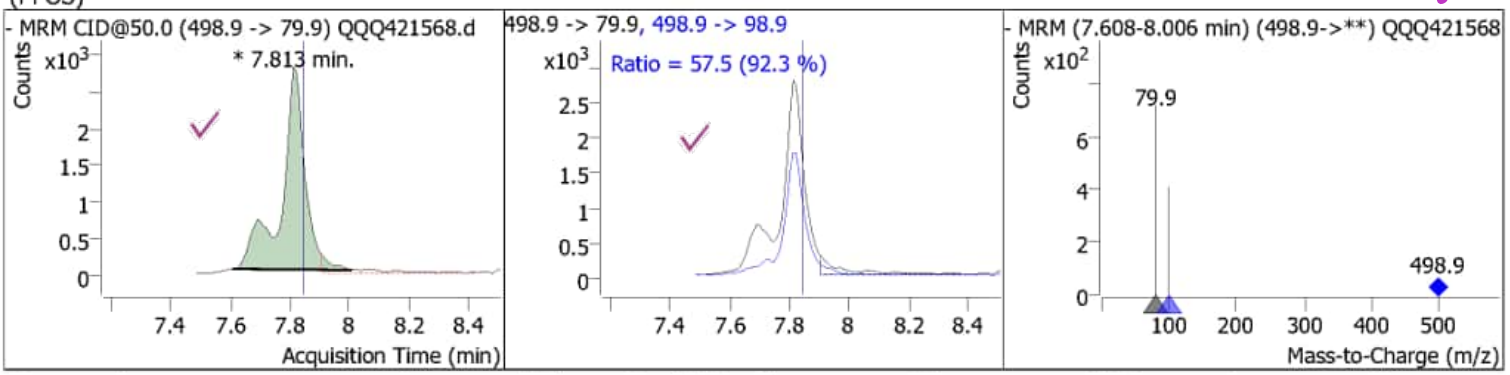
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorodecanoic acid (PFDA)	d	0		0	513.0 -> 268.8		15.6	23.4



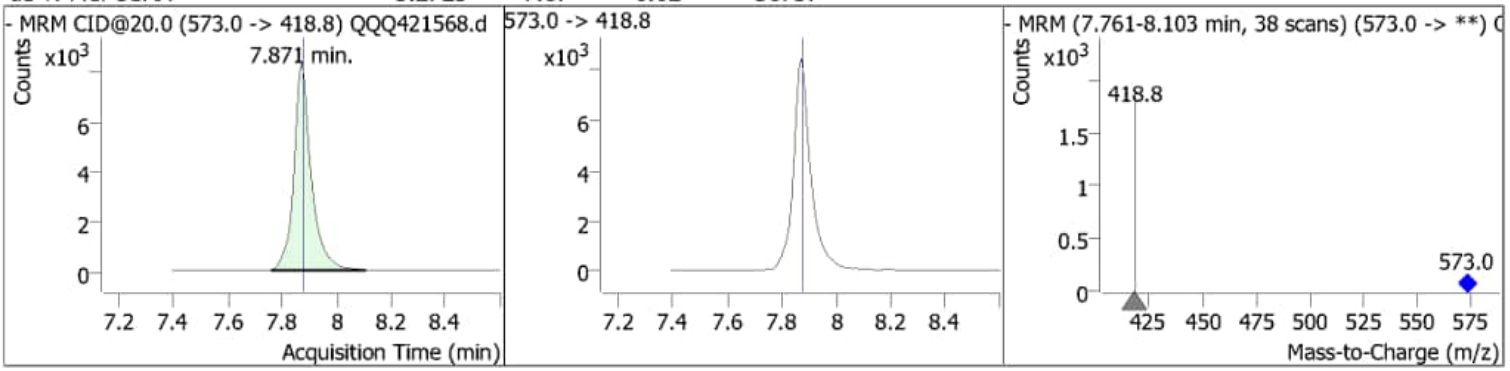
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.6022	7.81	-0.03	19846				



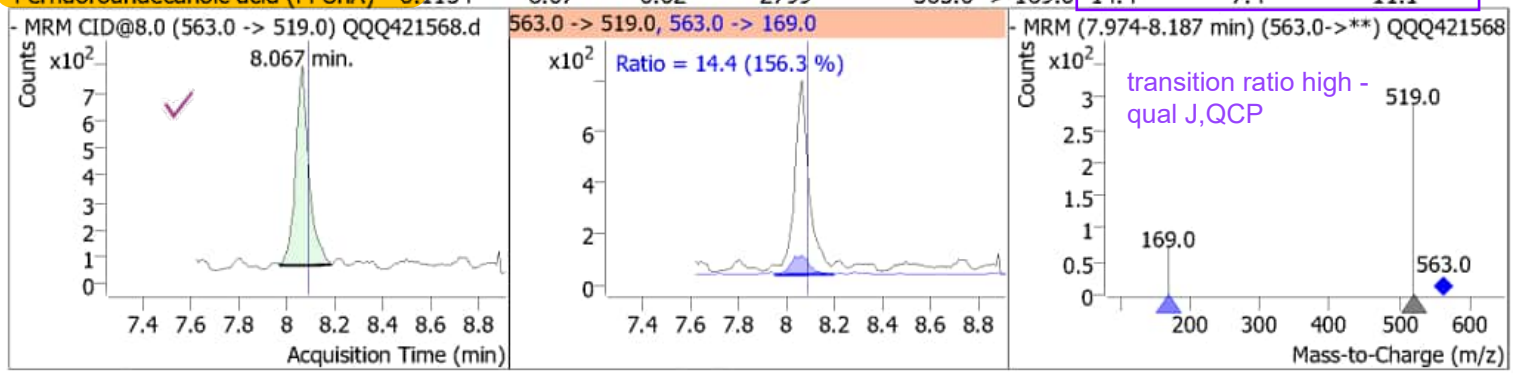
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorooctanesulfonic acid (PFOS)	1.2132	7.81	-0.03	15050 (m)	498.9 -> 98.9	57.5	49.9	74.8



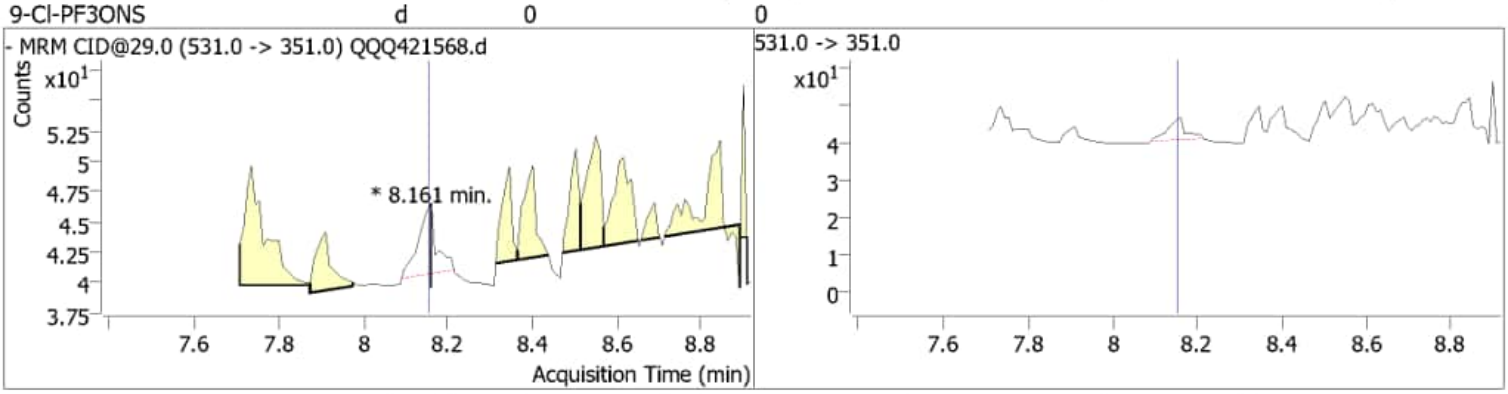
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
d3-N-MeFOSAA	5.2723	7.87	-0.02	36737				



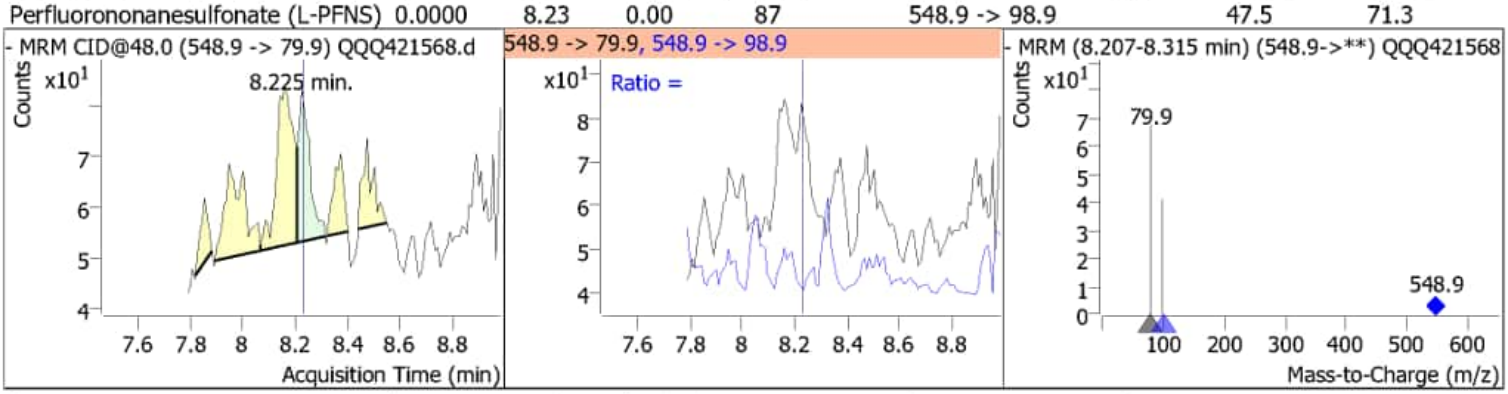
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoroundecanoic acid (PFUnA)	0.1154	8.07	-0.02	2799	563.0 -> 169.0	14.4	7.4	11.1



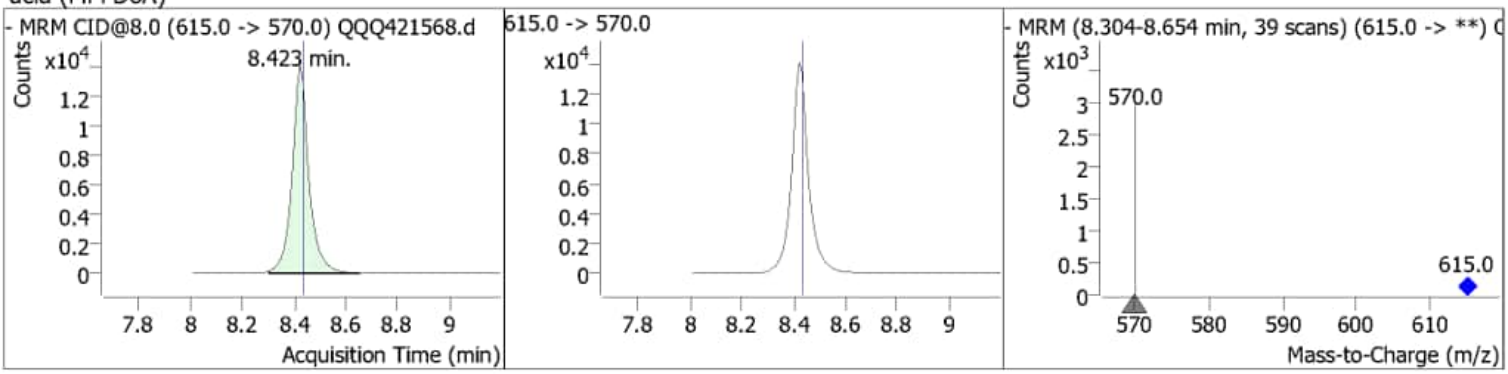
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9-Cl-PF3ONS	d	0		0				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorononanesulfonate (L-PFNS)	0.0000	8.23	0.00	87	548.9 -> 98.9		47.5	71.3



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.2754	8.42	-0.03	63271				



Batch Supplementary Data

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Batch Data Path File Name	D:\MassHunter\Data\PFAS\QuantResults\2025-09-07A-1633Final.batch.bin		
Analysis Time Stamp	9/8/2025 3:59:37 PM	**Analyst Name**	CORP\NARCM.UserPFAS
Report Generation Time	9/8/2025 4:13:03 PM	**Report Generator Name**	CORP\NARCM.UserPFAS
Calibration Last Updated Time Stamp	8/28/2025 4:05:26 PM	**Batch State**	Processed
Analyze Quant Version	11.1	**Report Quant Version**	11.1
Acq. Date-Time	9/7/2025 11:39:55 PM	**Data File**	QQQ421568.d
Sample Type	Sample	**Sampe Name**	25H1535-05RE1
Dil.	1	**Acq. Method File**	ACQ_QQQ4_EPA1633Final_revA_2025-08-26.m

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.037	98683	7004	0.773			0.82			1112.73
Perfluoro-n-butanoic acid (PFBA)	3.061	0	0	0.000			1.00			0.00
PFMPA	4.077	0	0	0.000			1.00			0.00
3:3FTCA	4.555	0	0	0.000			1.00			0.00
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)	4.910	85276	17476	0.351			1.12			5236.87
Perfluoro-n-pentanoic acid (PFPeA)	4.838	0	0	0.000			1.00			0.00
PFMBA	5.187	0	0	0.000			1.00			0.00
M2-4-2FTS	5.561	9236	2030	0.311			1.26			721.81
1H,1H,2H,2H-perfluoro-1-hexanesulfonate (4 2FTS)	5.571	29	7	0.185			1.60			172.62
NFDHA	5.697	0	0	0.000			1.00			0.00
Perfluorobutanesulfonic acid (PFBS)	5.760	199	71	0.101			1.20			15.78
M3PFBS	5.750	24827	5275	0.343			1.21			2120.22
M5PFHxA	5.792	93328	21016	0.352			1.10			3555.98
Perfluorohexanoic acid (PFHxA)	5.794	0	0	0.000			1.00			0.00
M3-HFPO-DA	6.047	29637	6996	0.332			1.33			986.41
HFPO-DA	6.103	0	0	0.000			1.00			0.00
PFEESA	6.163	0	0	0.000			1.00			0.00
5-3FTCA	6.365	0	0	0.000			1.00			0.00
M4PFHpA	6.400	36167	8414	0.343			1.22			1727.88
Perfluoroheptanoic acid (PFHpA)	6.382	0	0	0.000			1.00			0.00
Perfluoro-1-pentanesulfonate (L-PFPeS)	6.448	407	103	0.217			0.69			21.26
ADONA	6.437	0	0	0.000			1.00			0.00
M2-6-2FTS	6.683	14632	3279	0.305			1.42			652.08

Batch Supplementary Data

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Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
1H,1H,2H,2H-perfluoro-1-octanesulfonate (6 2FTS)	6.674	65	23	0.216			1.98			177.40
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	6.879	143674	34185	0.335			1.27			130587.02
Perfluorooctanoic acid (PFOA)	6.889	813	159	0.213			0.75			4.22
M3PFHxS	6.974	22064	5026	0.334			1.24			496.26
Perfluorohexanesulfonic acid (PFHxS)	6.974	2154	404	0.418			0.56			404.32
TDCA	7.052	0	0	0.000			1.00			0.00
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)	7.302	55123	12662	0.297			1.11			61963.62
Perfluorononanoic acid (PFNA)	7.303	0	0	0.000			1.00			0.00
Perfluoro-1-heptanesulfonate (L-PFHpS)	7.415	0	0	0.000			1.00			0.00
1H,1H,2H,2H-perfluoro-1-decanesulfonate (8 2FTS)	7.503	61	24	0.167			1.52			94.22
M2-8-2FTS	7.494	14052	3295	0.278			1.41			1030.50
7-3FTCA	7.693	0	0	0.000			1.00			0.00
M6PFDA	7.689	46524	10892	0.343			1.26			78618.65
Perfluorodecanoic acid (PFDA)	7.690	0	0	0.000			1.00			0.00
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	7.812	19846	4571	0.287			1.34			276.06
Perfluorooctanesulfonic acid (PFOS)	7.813	15050	2727	0.398			0.53			2727.29
d3-N-MeFOSAA	7.871	36737	8347	0.342			1.28			15144.82
N-MeFOSAA	7.872	0	0	0.000			1.00			0.00
d5-N-EtFOSAA	8.046	30782	7147	0.301			1.42			270.33
N-EtFOSAA	8.056	978	177	0.379			1.40			177.41
M7PFUdA	8.057	62165	14278	0.334			1.41			26965.88
Perfluoroundecanoic acid (PFUnA)	8.067	2799	729	0.213			1.23			34.28
9-Cl-PF3ONS	8.161	0	0	0.000			1.00			0.00
Perfluorononanesulfonate (L-PFNS)	8.225	87	30	0.108			1.83			3.04
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.423	63271	14121	0.350			1.18			53616.90
Perfluorododecanoic acid (PFDoA)	8.396	0	0	0.000			1.00			0.00
Perfluoro-1-decanesulfonate (L-PFDS)	8.545	176	47	0.132			2.65			31.82
Perfluorotridecanoic acid (PFTrDA)	8.783	758	209	0.148			1.59			123.15

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
11-Cl-PF3OUdS	8.969	0	0	0.000			1.00			0.00
M2PFTeDA	9.122	59375	13257	0.349			1.15			25198.03
Perfluorotetradecanoic acid (PFTA)	9.131	0	0	0.000			1.00			0.00
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	9.239	39067	9306	0.284			1.38			39959.33
Perfluoro-1-octanesulfonamide (FOSA)	9.231	510	82	0.383			0.50			441.33
Perfluorododecanesulfonic acid (PFDoS)	9.271	16	5	0.114			0.37			2.87
d7-NMeFOSE	10.363	77350	18774	0.330			1.41			2204.12
NMeFOSE	10.382	0	0	0.000			1.00			0.00
d3-NMeFOSA	10.505	3166	779	0.321			1.42			222.45
NMeFOSA	10.452	0	0	0.000			1.00			0.00
d9-NEtFOSE	10.664	66971	16791	0.275			1.34			2678.74
NEtFOSE	10.674	0	0	0.000			1.00			0.00
d5-NEtFOSA	10.796	2579	649	0.312			1.61			259.75
NEtFOSA	10.816	0	0	0.000			1.00			0.00

880

Sample Information

Client Sample ID: HVAC SW South 1-3 **Sample ID:** 25H1535-06RE1

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep

Results Reported to MDL

% Solids: 92.50

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.812	0.236	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.825	0.172	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.806	0.236	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.817	0.193	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	5.37	1.01	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	5.37	0.784	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	1.07	0.344	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.804	0.290	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
919005-14-4	ADONA	ND		ug/kg dry	0.812	0.279	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CCV-L	ug/kg dry	0.860	0.247	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.215	0.0967	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.537	0.537	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	2.15	0.494	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.215	0.140	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.215	0.0860	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	2.15	0.784	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.383	0.0645	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.207	0.0645	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.215	0.0752	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.206	0.150	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.215	0.0322	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.202	0.0752	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.430	0.419	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.430	0.419	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.430	0.0430	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.430	0.129	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.190	0.0752	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.215	0.0860	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.208	0.161	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.215	0.0860	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.215	0.118	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM

Sample Information

Client Sample ID: **HVAC SW South 1-3** **Sample ID: 25H1535-06RE1**

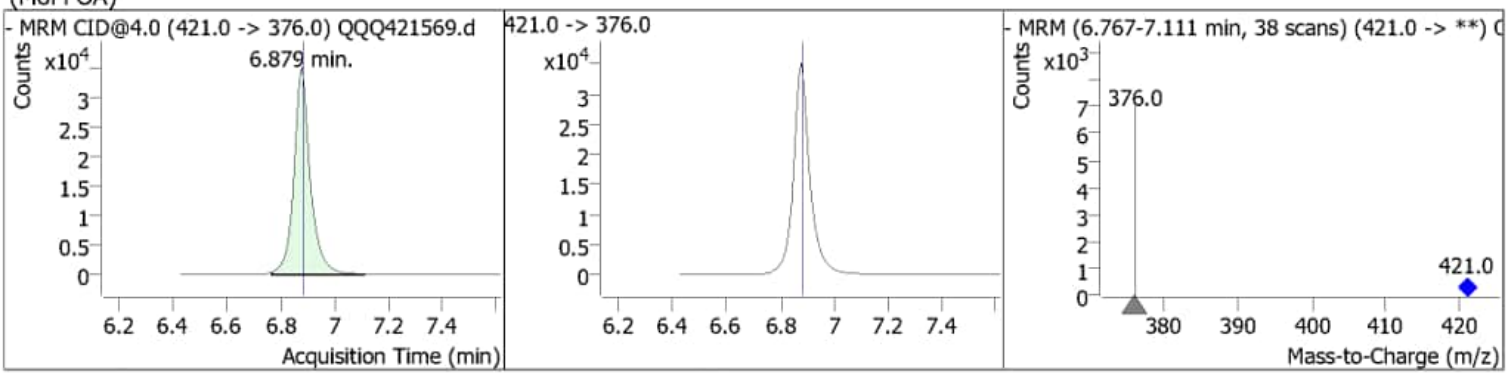
Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

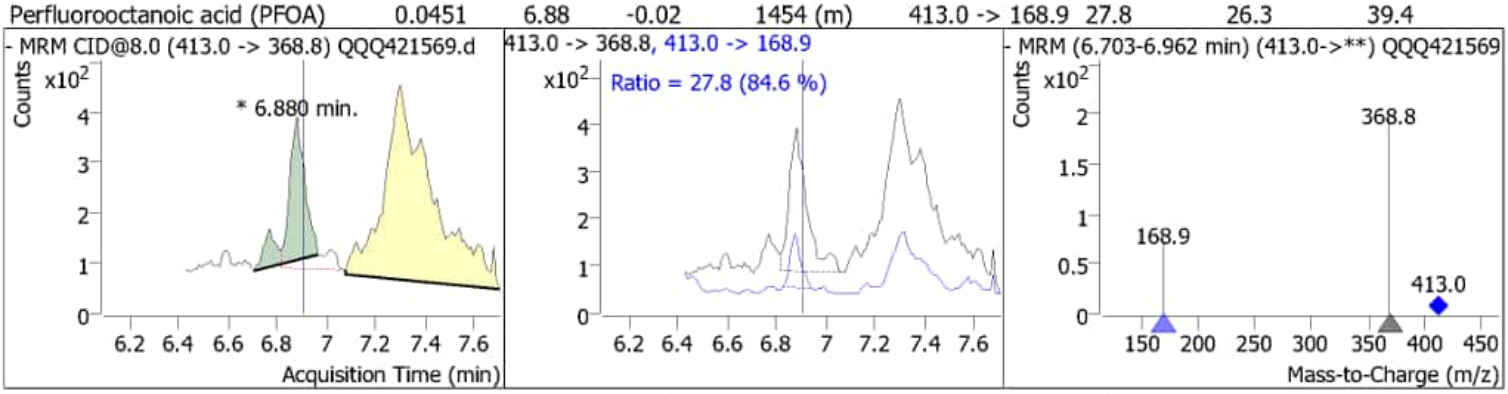
Sample Prepared by Method: EPA 1633 Prep | Results Reported to MDL | % Solids: 92.50

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	0.0946	J	ug/kg dry	0.197	0.0752	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.215	0.0537	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.860	0.172	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.215	0.150	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	1.60		ug/kg dry	0.200	0.0752	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.215	0.0752	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.430	0.0860	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.215	0.140	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.215	0.118	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.215	0.118	1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
1180-95-6	* Taurodeoxycholic Acid (TDCA)	0.00		ug/kg dry			1	EPA 1633A	09/06/2025 10:13	09/07/2025 23:55	AM
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*107 %*			*40-135*						
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*112 %*			*40-150*						
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*70.5 %*			*20-130*						
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*79.8 %*			*15-130*						
936109-40-9	*Surrogate: d-N-EtFOSA*	*73.0 %*			*10-130*						
936109-37-4	*Surrogate: d-N-MeFOSA*	*72.9 %*			*10-130*						
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*44.1 %*			*40-165*						
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*60.1 %*			*40-215*						
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*63.4 %*			*40-275*						
13C2PFTEDA	*Surrogate: M2PFTeDA*	*95.0 %*			*20-130*						
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*101 %*			*40-130*						
M3PFBS	*Surrogate: M3PFBS*	*130 %*			*40-135*						
13C3PFHXS	*Surrogate: M3PFHxS*	*113 %*			*40-130*						
13C4PFHPA	*Surrogate: M4PFHpA*	*109 %*			*40-130*						
2328025-54-8	*Surrogate: M5PFHxA*	*94.0 %*			*40-130*						
2328025-54-8	*Surrogate: M5PFHxA*	*94.0 %*			*40-130*						
13C6PFDA	*Surrogate: M6PFDA*	*111 %*			*40-130*						
13C7PFUNA	*Surrogate: M7PFUdA*	*114 %*			*40-130*						
13C9PFNA	*Surrogate: M9PFNA*	*128 %*			*40-130*						
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*92.4 %*			*40-130*						
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*114 %*			*40-130*						
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*109 %*			*40-130*						
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*110 %*			*8-130*						
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*92.8 %*			*35-130*						
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*113 %*			*40-130*						

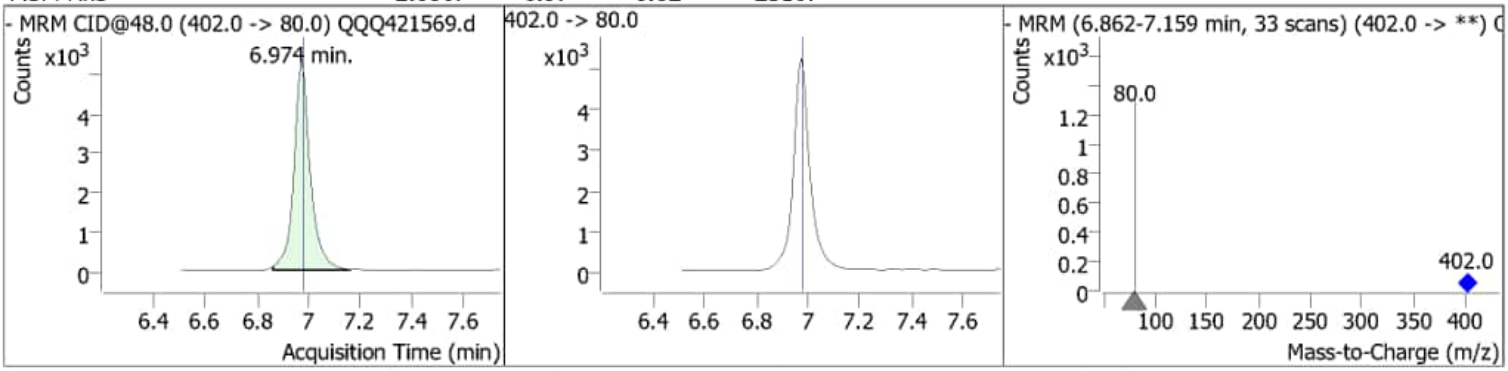
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.8205	6.88	-0.02	147832				



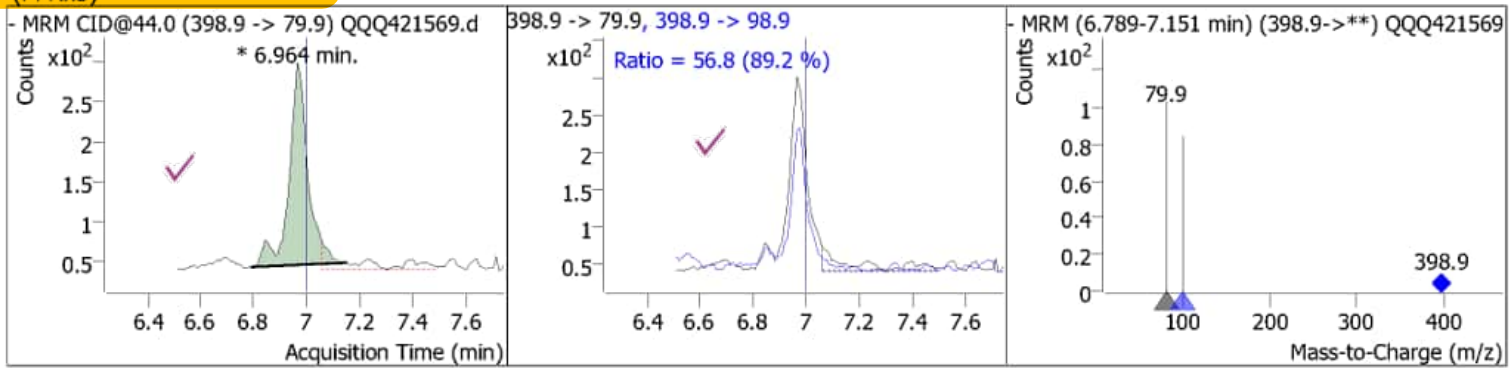
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorooctanoic acid (PFOA)	0.0451	6.88	-0.02	1454 (m)	413.0 -> 168.9	27.8	26.3	39.4



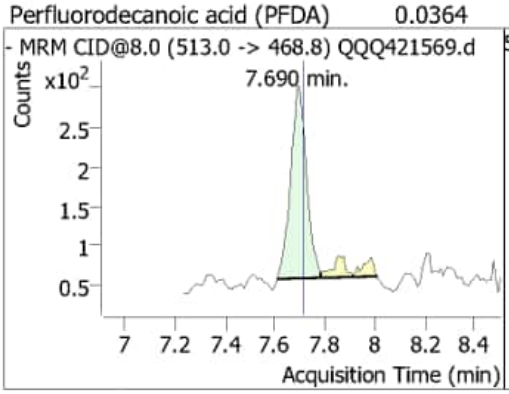
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
M3PFHxS	2.6867	6.97	-0.02	23167				

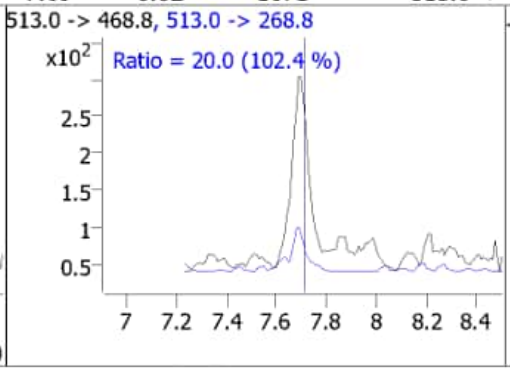


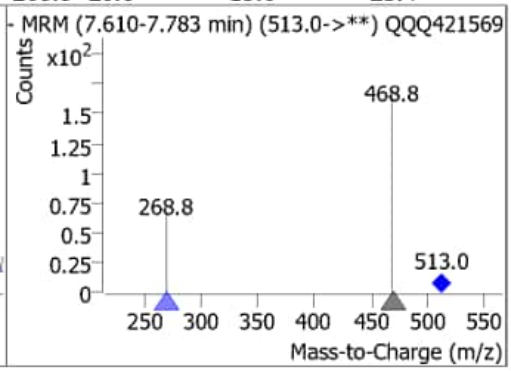
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorohexanesulfonic acid (PFHxS)	0.0881	6.96	-0.03	1259 (m)	398.9 -> 98.9	56.8	51.0	76.5



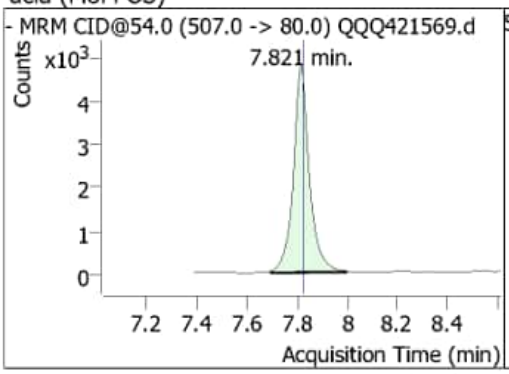
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorodecanoic acid (PFDA)	0.0364	7.69	-0.02	1071	513.0 -> 268.8	20.0	15.6	23.4

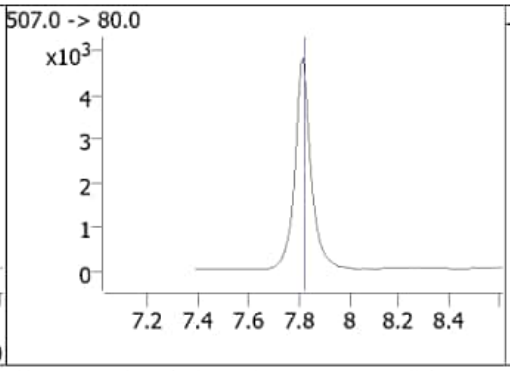


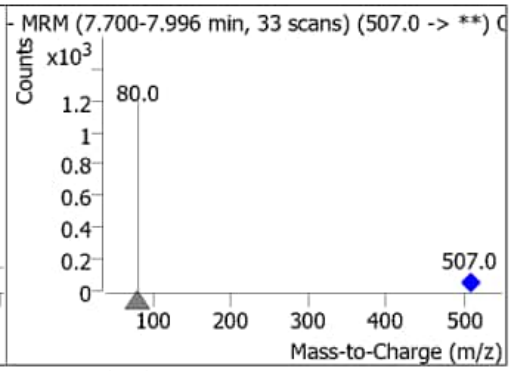




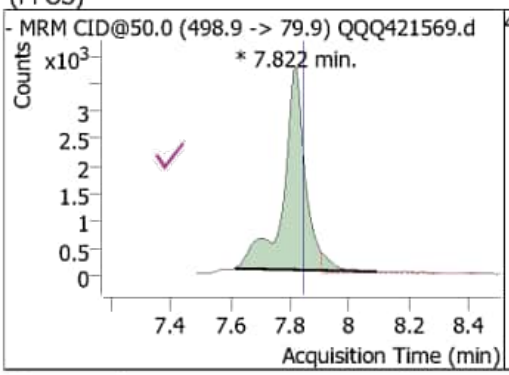
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.7241	7.82	-0.02	20946				

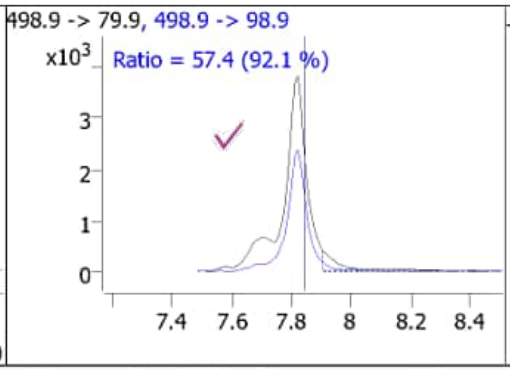


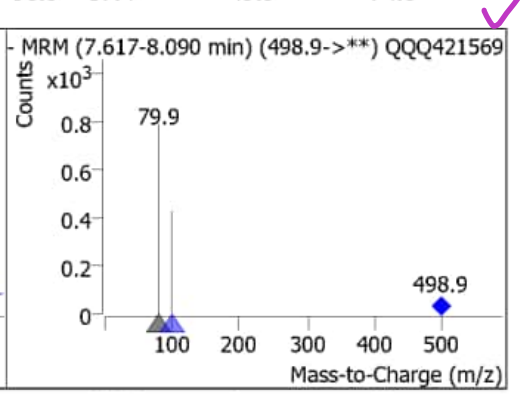




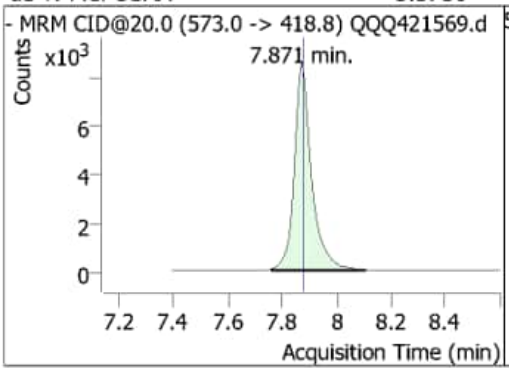
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorooctanesulfonic acid (PFOS)	1.4848	7.82	-0.02	19341 (m)	498.9 -> 98.9	57.4	49.9	74.8

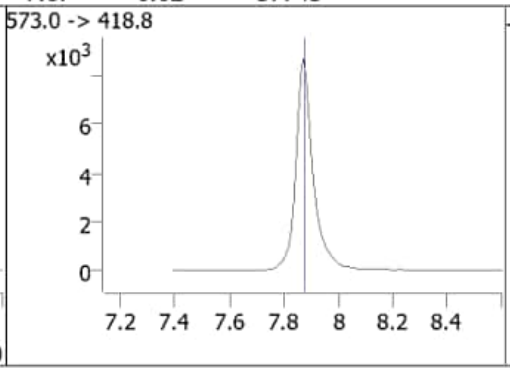


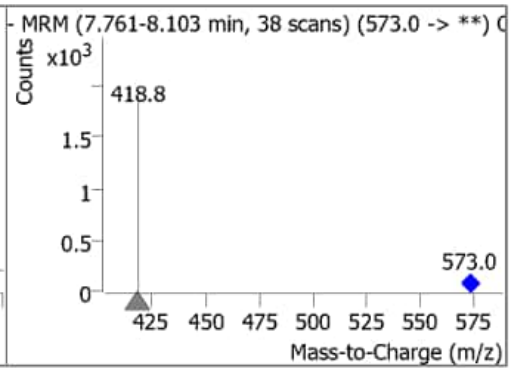




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
d3-N-MeFOSAA	5.3730	7.87	-0.02	37745				







Batch Supplementary Data

Agilent | Trusted Answers

Batch Data Path File Name	D:\MassHunter\Data\PFAS\QuantResults\2025-09-07A-1633Final.batch.bin		
Analysis Time Stamp	9/8/2025 3:59:37 PM	**Analyst Name**	CORP\NARCM.UserPFAS
Report Generation Time	9/8/2025 4:13:03 PM	**Report Generator Name**	CORP\NARCM.UserPFAS
Calibration Last Updated Time Stamp	8/28/2025 4:05:26 PM	**Batch State**	Processed
Analyze Quant Version	11.1	**Report Quant Version**	11.1
Acq. Date-Time	9/7/2025 11:55:10 PM	**Data File**	QQQ421569.d
Sample Type	Sample	**Sampe Name**	25H1535-06RE1
Dil.	1	**Acq. Method File**	ACQ_QQQ4_EPA1633Final_revA_2025-08-26.m

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.028	105645	7407	0.893			0.76			2002.73
Perfluoro-n-butanoic acid (PFBA)	3.264	0	0	0.000			1.00			0.00
PFMPA	4.104	0	0	0.000			1.00			0.00
3:3FTCA	4.463	0	0	0.000			1.00			0.00
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)	4.910	89605	18619	0.351			1.12			17987.36
Perfluoro-n-pentanoic acid (PFPeA)	4.921	0	0	0.000			1.00			0.00
PFMBA	5.206	0	0	0.000			1.00			0.00
M2-4-2FTS	5.561	8952	1972	0.322			1.26			364.64
1H,1H,2H,2H-perfluoro-1-hexanesulfonate (4 2FTS)	5.552	7	3	0.135			1.43			46.53
NFDHA	5.724	0	0	0.000			1.00			0.00
Perfluorobutanesulfonic acid (PFBS)	5.760	0	0	0.000			1.00			0.00
M3PFBS	5.750	26126	5590	0.352			1.24			1323.02
M5PFHxA	5.792	94975	21597	0.352			1.12			5226.12
Perfluorohexanoic acid (PFHxA)	5.785	893	191	0.193			1.63			10.12
M3-HFPO-DA	6.047	30637	6949	0.332			1.40			1219.31
HFPO-DA	5.900	0	0	0.000			1.00			0.00
PFEESA	6.080	0	0	0.000			1.00			0.00
5-3FTCA	6.448	0	0	0.000			1.00			0.00
M4PFHpA	6.400	37474	8662	0.288			1.20			8661.96
Perfluoroheptanoic acid (PFHpA)	6.400	0	0	0.000			1.00			0.00
Perfluoro-1-pentanesulfonate (L-PFPeS)	6.467	0	0	0.000			1.00			0.00
ADONA	6.604	0	0	0.000			1.00			0.00
M2-6-2FTS	6.683	15062	3511	0.342			1.43			281.59

Batch Supplementary Data

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
1H,1H,2H,2H-perfluoro-1-octanesulfonate (6 2FTS)	6.665	119	33	0.230			1.19			165.85
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	6.879	147832	35177	0.344			1.20			76141.79
Perfluorooctanoic acid (PFOA)	6.880	1454	287	0.259			1.37			14.73
M3PFHxS	6.974	23167	5253	0.297			1.21			5879.08
Perfluorohexanesulfonic acid (PFHxS)	6.964	1259	253	0.362			1.50			253.41
TDCA	7.014	0	0	0.000			1.00			0.00
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)	7.302	60282	13888	0.297			1.13			13888.26
Perfluorononanoic acid (PFNA)	7.303	1194	338	0.162			0.82			10.15
Perfluoro-1-heptanesulfonate (L-PFHpS)	7.377	0	0	0.000			1.00			0.00
1H,1H,2H,2H-perfluoro-1-decanesulfonate (8 2FTS)	8.022	12	6	0.112			1.17			24.58
M2-8-2FTS	7.503	14307	3233	0.297			1.09			3233.34
7-3FTCA	7.563	0	0	0.000			1.00			0.00
M6PFDA	7.689	48847	11095	0.343			1.24			320505.19
Perfluorodecanoic acid (PFDA)	7.690	1071	245	0.173			1.28			20.69
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	7.821	20946	4790	0.296			1.03			571.72
Perfluorooctanesulfonic acid (PFOS)	7.822	19341	3692	0.473			0.49			3692.26
d3-N-MeFOSAA	7.871	37745	8617	0.342			1.51			8616.82
N-MeFOSAA	7.863	0	0	0.000			1.00			0.00
d5-N-EtFOSAA	8.046	30839	6885	0.315			1.51			218.78
N-EtFOSAA	8.102	0	0	0.000			1.00			0.00
M7PFUdA	8.057	65963	14670	0.334			1.35			10687.76
Perfluoroundecanoic acid (PFUnA)	8.067	2275	532	0.195			1.42			22.24
9-Cl-PF3ONS	8.189	0	0	0.000			1.00			0.00
Perfluorononanesulfonate (L-PFNS)	8.244	0	0	0.000			1.00			0.00
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.423	67526	15687	0.332			1.20			143680.80
Perfluorododecanoic acid (PFDoA)	8.461	0	0	0.000			1.00			0.00
Perfluoro-1-decanesulfonate (L-PFDS)	8.517	100	22	0.136			3.20			12.55
Perfluorotridecanoic acid (PFTrDA)	8.774	736	166	0.195			1.36			30.71

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
11-Cl-PF3OUdS	8.876	0	0	0.000			1.00			0.00
M2PFTeDA	9.122	60950	13418	0.294			1.04			30449.52
Perfluorotetradecanoic acid (PFTA)	9.122	0	0	0.000			1.00			0.00
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	9.230	38992	9287	0.321			1.59			12709.79
Perfluoro-1-octanesulfonamide (FOSA)	9.222	99	31	0.108			1.71			35.22
Perfluorododecanesulfonic acid (PFDoS)	9.216	15	7	0.070			0.28			3.30
d7-NMeFOSE	10.363	75965	18372	0.312			1.38			2910.82
NMeFOSE	10.382	0	0	0.000			1.00			0.00
d3-NMeFOSA	10.505	2798	665	0.248			1.49			317.29
NMeFOSA	10.498	0	0	0.000			1.00			0.00
d9-NEtFOSE	10.664	67804	16808	0.275			1.34			3315.21
NEtFOSE	10.684	0	0	0.000			1.00			0.00
d5-NEtFOSA	10.796	2376	600	0.276			1.42			314.88
NEtFOSA	10.807	0	0	0.000			1.00			0.00

905

Sample Information

Client Sample ID: **HVAC SW East 1-3** **Sample ID:** **25H1535-07RE1**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep

Results Reported to MDL

% Solids: 91.72

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.823	0.239	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.836	0.174	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.816	0.239	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.827	0.196	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	5.44	1.02	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	5.44	0.794	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	1.09	0.348	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.814	0.294	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
919005-14-4	ADONA	ND		ug/kg dry	0.823	0.283	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CCV-L	ug/kg dry	0.870	0.250	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.218	0.0979	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.544	0.544	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	2.18	0.501	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.218	0.141	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.218	0.0870	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	2.18	0.794	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.387	0.0653	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.210	0.0653	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.218	0.0762	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.209	0.152	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.218	0.0326	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.205	0.0762	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.435	0.424	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.435	0.424	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.435	0.0435	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.435	0.131	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
375-73-5	**Perfluorobutanesulfonic acid (PFBS)**	0.0966	J	ug/kg dry	0.193	0.0762	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.218	0.0870	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.211	0.163	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.218	0.0870	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM

Sample Information

Client Sample ID: **HVAC SW East 1-3** **Sample ID: 25H1535-07RE1**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep — Results Reported to MDL — % Solids: 91.72

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.218	0.120	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	0.510		ug/kg dry	0.199	0.0762	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
307-24-4	**Perfluorohexanoic acid (PFHxA)**	0.0968	J	ug/kg dry	0.218	0.0544	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.870	0.174	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND	UJ:IS	ug/kg dry	0.218	0.152	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	3.07		ug/kg dry	0.202	0.0762	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
335-67-1	**Perfluorooctanoic acid (PFOA)**	0.108	J	ug/kg dry	0.218	0.0762	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	0.121	J	ug/kg dry	0.435	0.0870	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.218	0.141	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
72629-94-8	**Perfluorotridecanoic acid (PFTrDA)**	0.133	J	ug/kg dry	0.218	0.120	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
2058-94-8	**Perfluoroundecanoic acid (PFUnA)**	0.176	J	ug/kg dry	0.218	0.120	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
1180-95-6	* Taurodeoxycholic Acid (TDCA)	0.00		ug/kg dry			1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:41	AM
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*113 %*			*40-135*						
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*112 %*			*40-150*						
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*71.2 %*			*20-130*						
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*79.9 %*			*15-130*						
936109-40-9	*Surrogate: d-N-EtFOSA*	*73.6 %*			*10-130*						
936109-37-4	*Surrogate: d-N-MeFOSA*	*80.1 %*			*10-130*						
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*45.1 %*			*40-165*						
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*60.8 %*			*40-215*						
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*66.8 %*			*40-275*						
13C2PFTEDA	*Surrogate: M2PFTeDA*	*89.0 %*			*20-130*						
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*112 %*			*40-130*						
M3PFBS	*Surrogate: M3PFBS*	*129 %*			*40-135*						
13C3PFHXS	*Surrogate: M3PFHxS*	*114 %*			*40-130*						
13C4PFHPA	*Surrogate: M4PFHpA*	*117 %*			*40-130*						
2328025-54-8	*Surrogate: M5PFHxA*	*101 %*			*40-130*						
2328025-54-8	*Surrogate: M5PFHxA*	*101 %*			*40-130*						
13C6PFDA	*Surrogate: M6PFDA*	*111 %*			*40-130*						
13C7PFUNA	*Surrogate: M7PFUdA*	*111 %*			*40-130*						
13C9PFNA	*Surrogate: M9PFNA*	*136 %*	PFSu-H		*40-130*						
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*87.0 %*			*40-130*						
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*112 %*			*40-130*						
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*104 %*			*40-130*						
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*113 %*			*8-130*						
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*98.2 %*			*35-130*						

EIS recovery high - qual UJ,IS

Sample Information

Client Sample ID: **HVAC SW East 1-3** **Sample ID: 25H1535-07RE1**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep

Results Reported to MDL

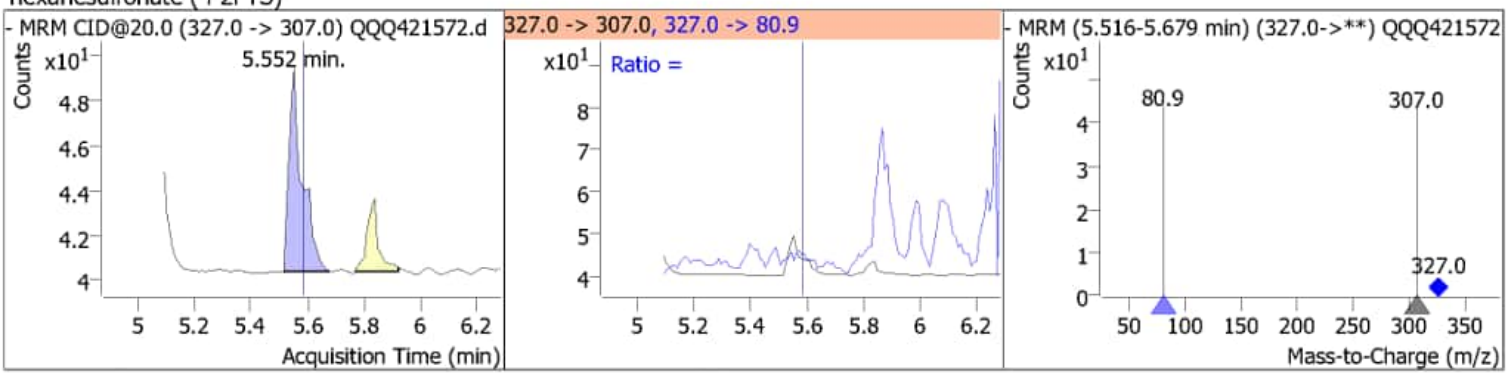
% Solids: 91.72

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*118 %*			*40-130*						

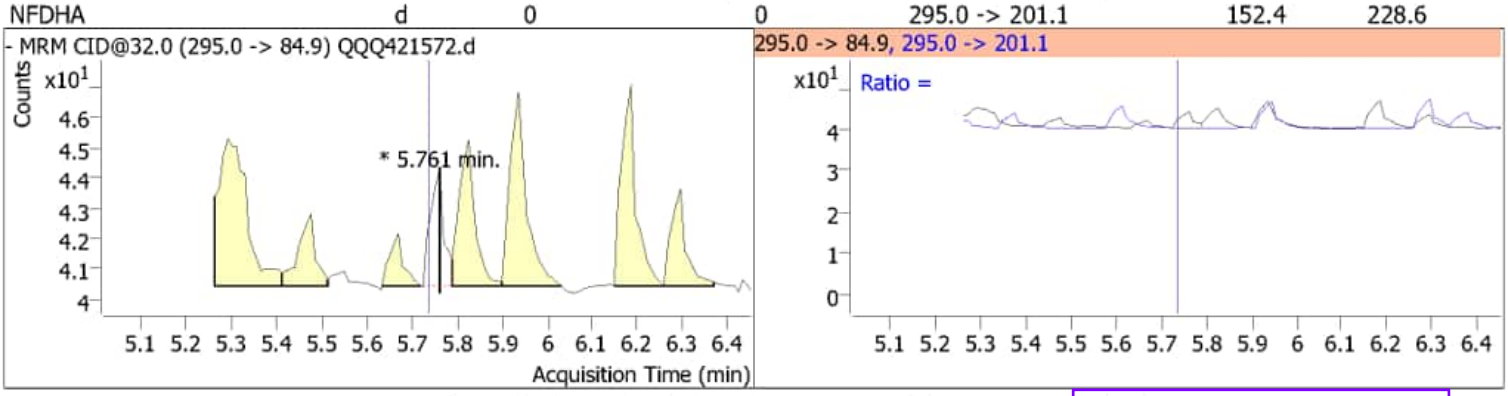
Quantitation Results Report (QT Reviewed)

Agilent

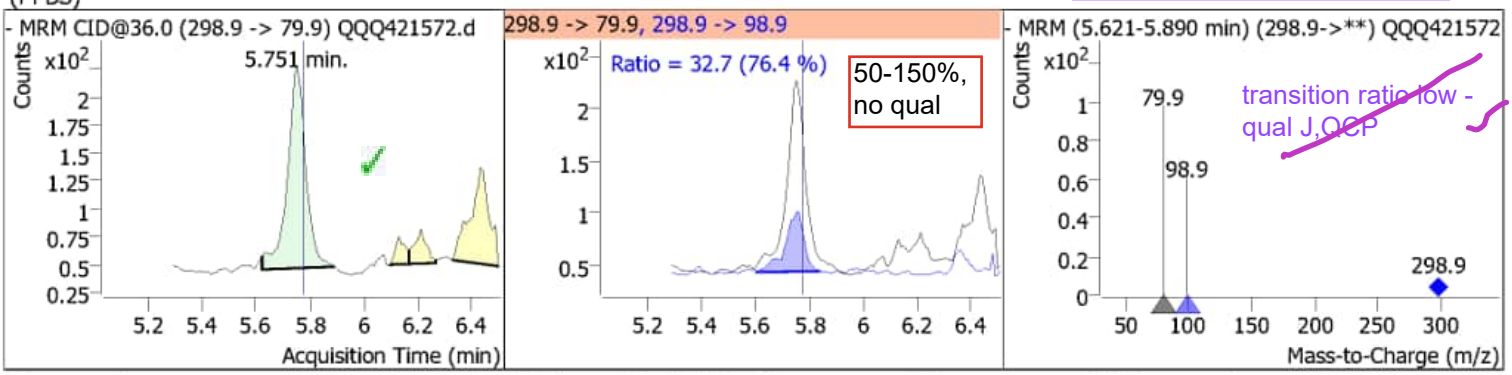
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1H,1H,2H,2H-perfluoro-1-hexanesulfonate (4 2FTS)	0.0045	5.55	-0.03	29	327.0 -> 80.9		42.1	63.1



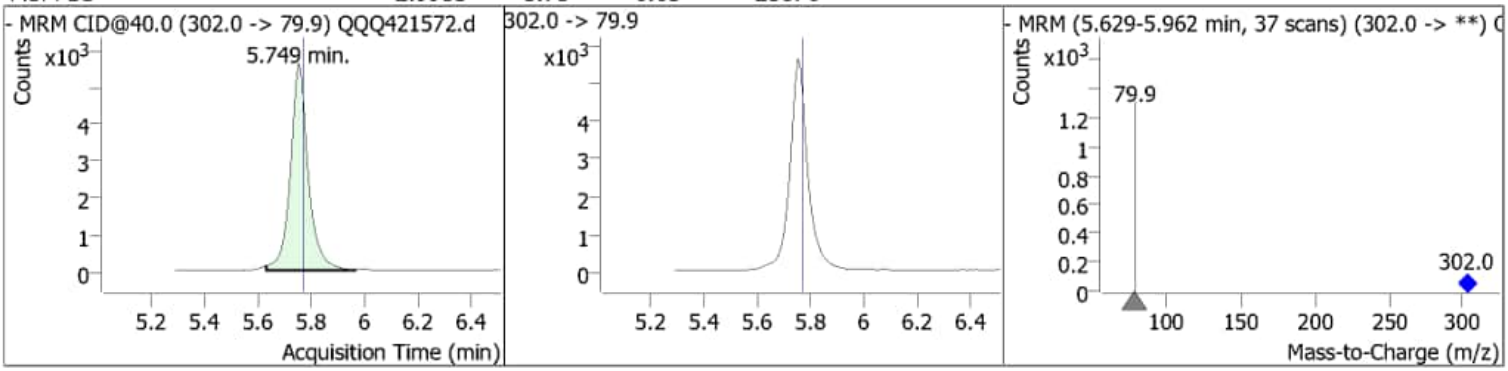
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 201.1		152.4	228.6



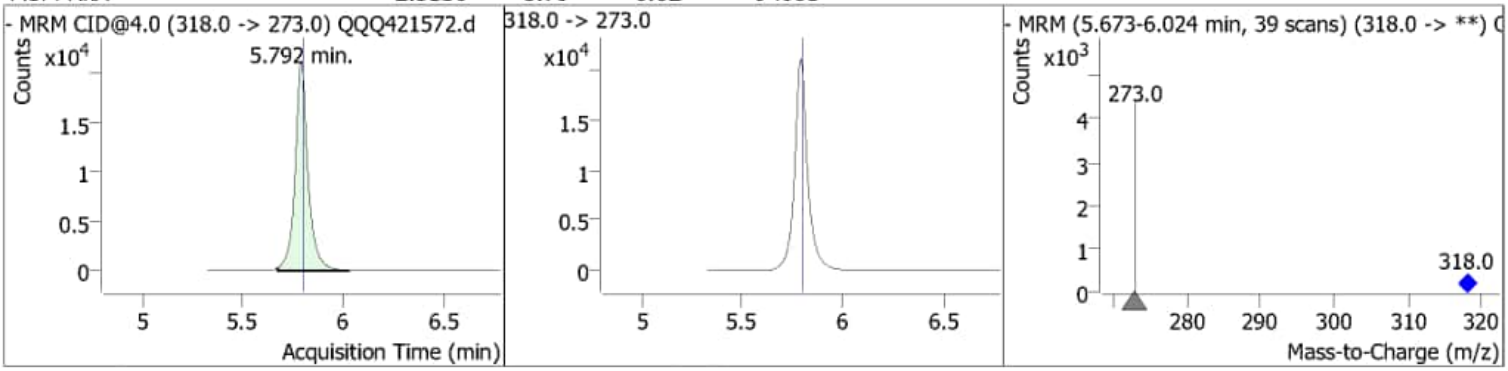
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorobutanesulfonic acid (PFBS)	0.0888	5.75	-0.02	851	298.9 -> 98.9	32.7	34.3	51.5



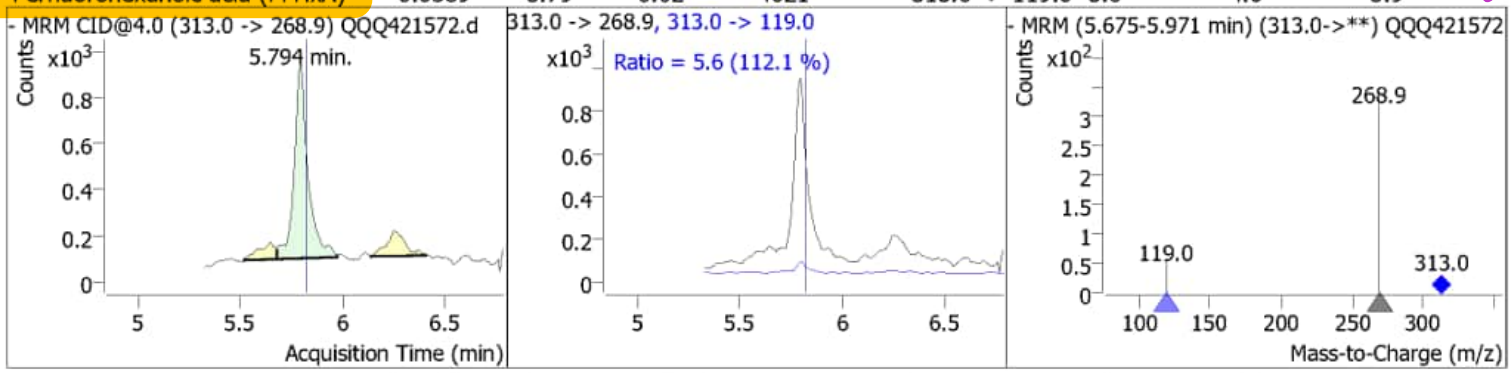
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
M3PFBS	2.9953	5.75	-0.03	25876				



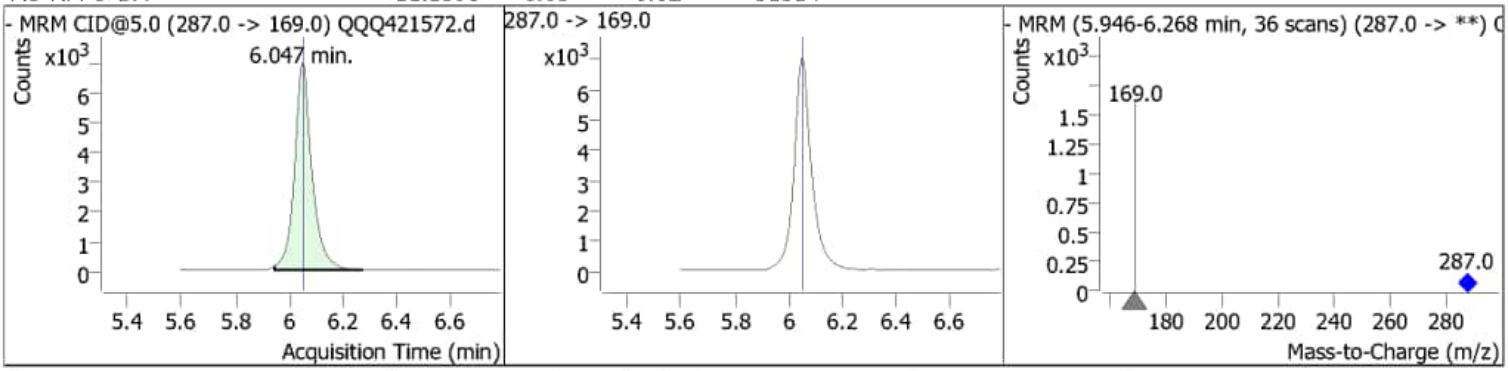
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
M5PFHxA	2.5136	5.79	-0.02	94003				



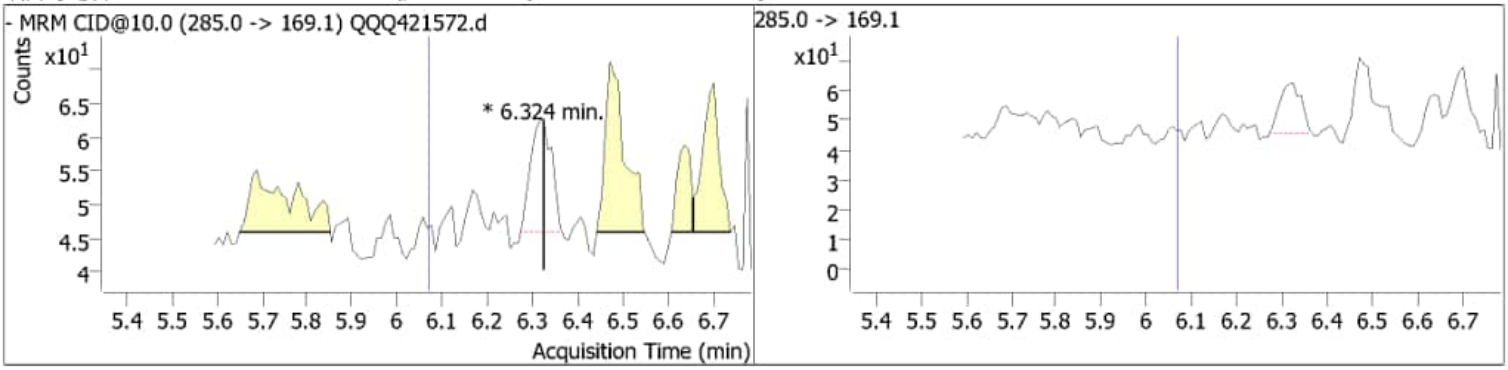
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorohexanoic acid (PFHxA)	0.0889	5.79	-0.02	4021	313.0 -> 119.0	5.6	4.0	5.9



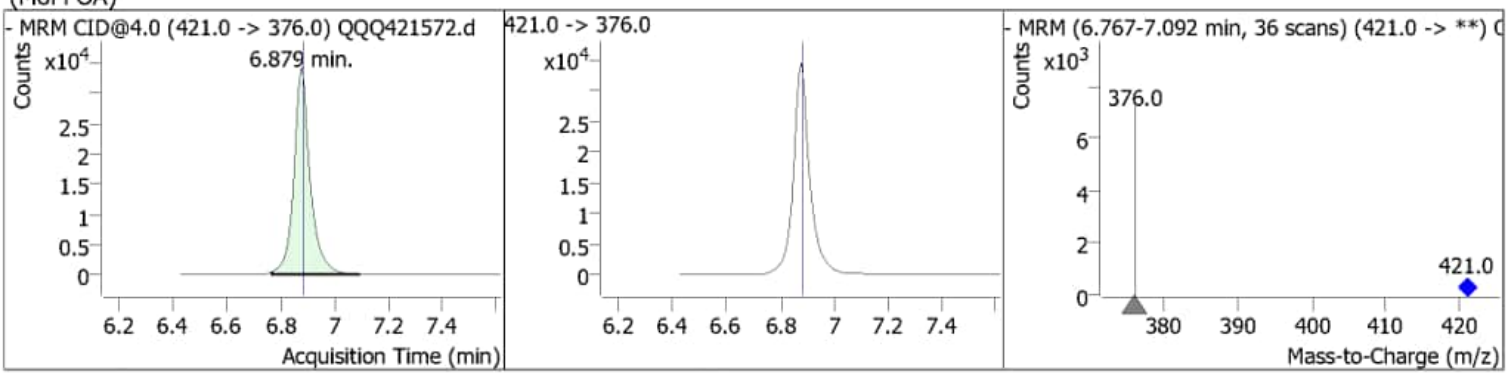
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
M3-HFPO-DA	11.1595	6.05	-0.02	31314				



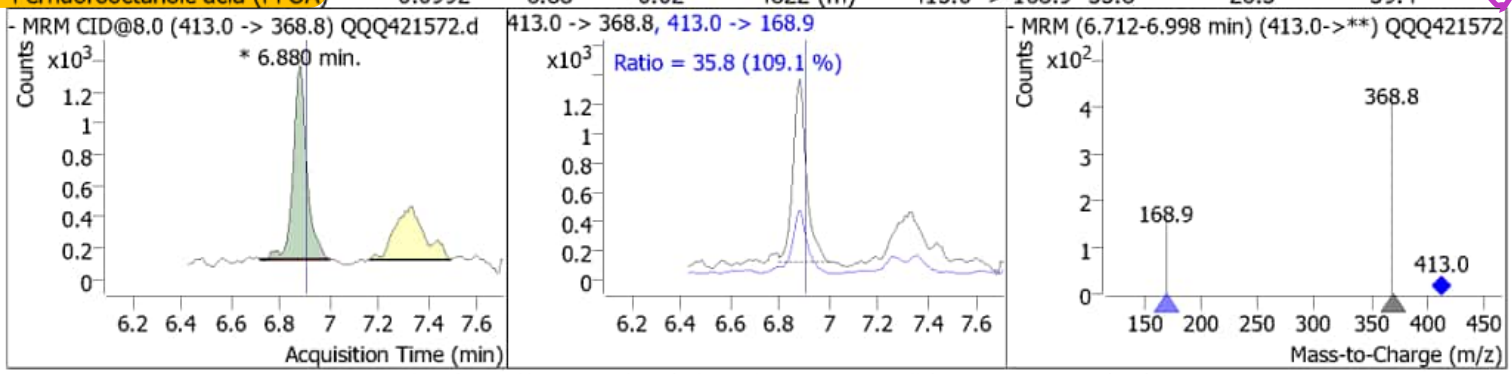
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0				



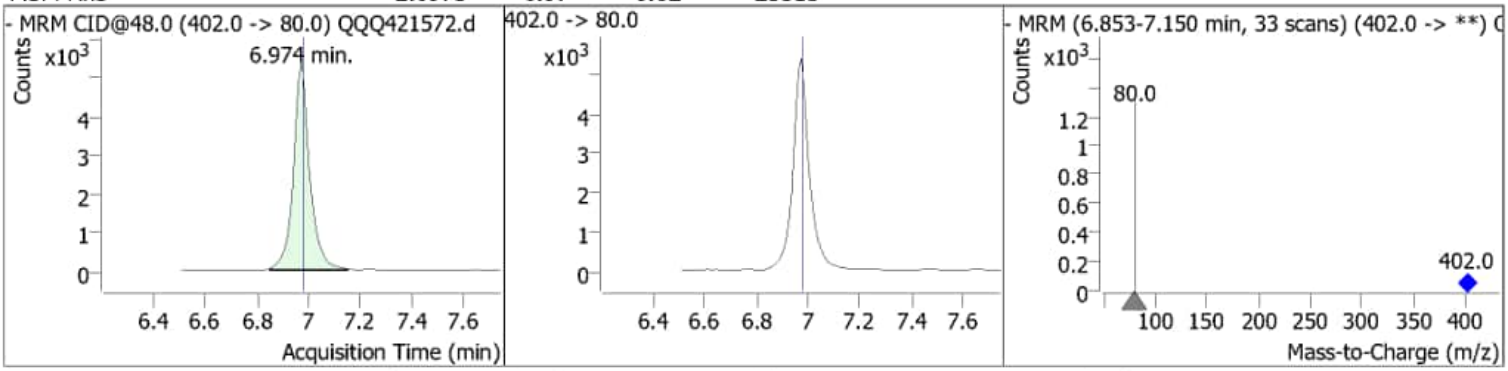
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.9500	6.88	-0.02	143855				



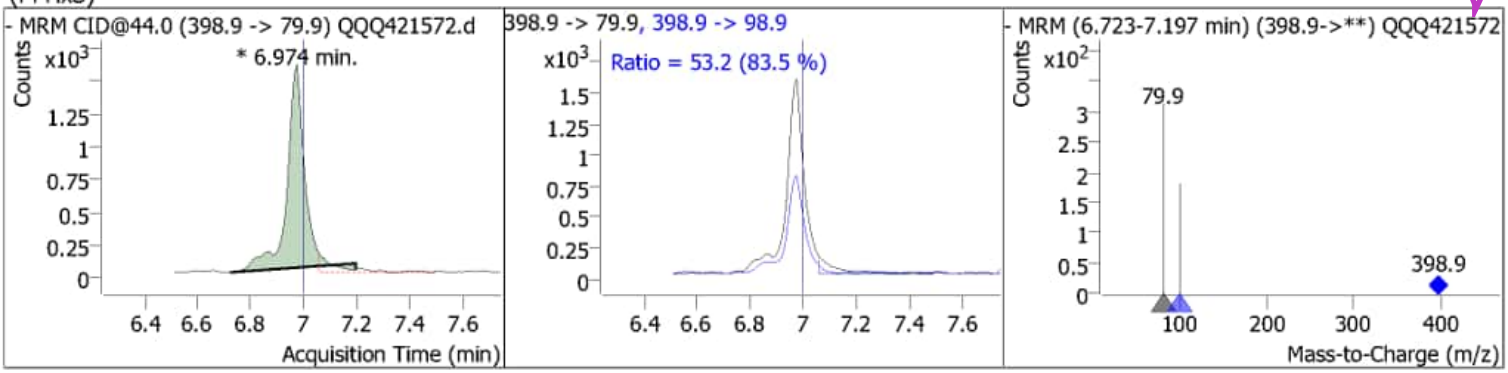
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorooctanoic acid (PFOA)	0.0992	6.88	-0.02	4822 (m)	413.0 -> 168.9	35.8	26.3	39.4



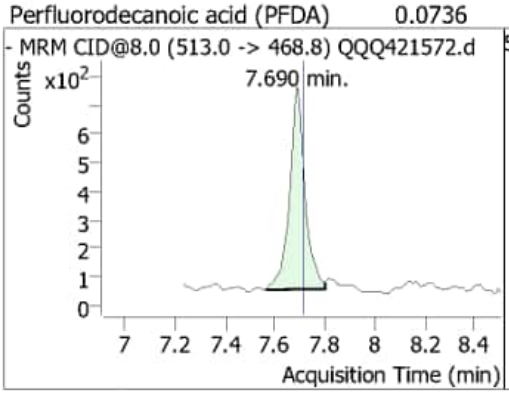
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
M3PFHxS	2.6973	6.97	-0.02	23313				

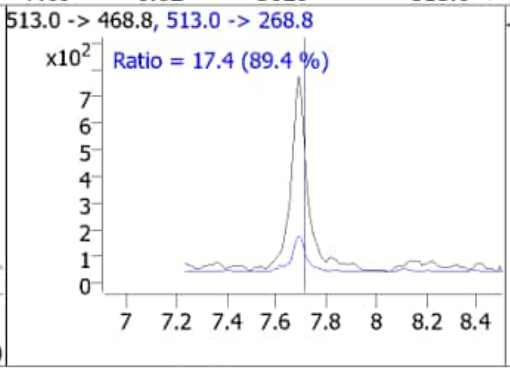


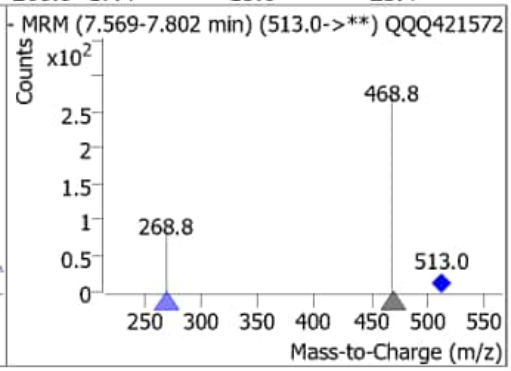
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorohexanesulfonic acid (PFHxS)	0.4690	6.97	-0.02	6930 (m)	398.9 -> 98.9	53.2	51.0	76.5



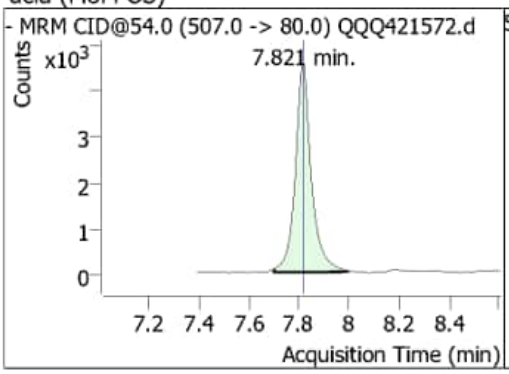
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorodecanoic acid (PFDA)	0.0736	7.69	-0.02	3020	513.0 -> 268.8	17.4	15.6	23.4

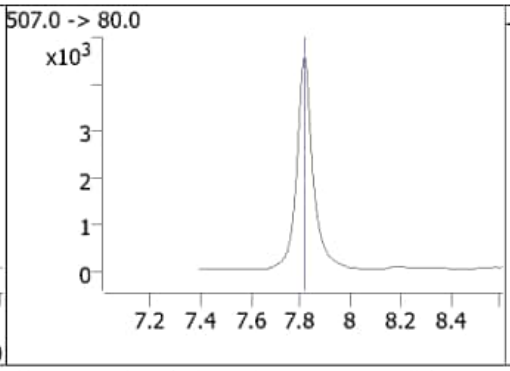


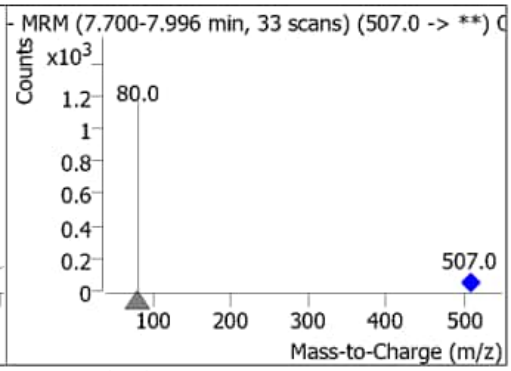




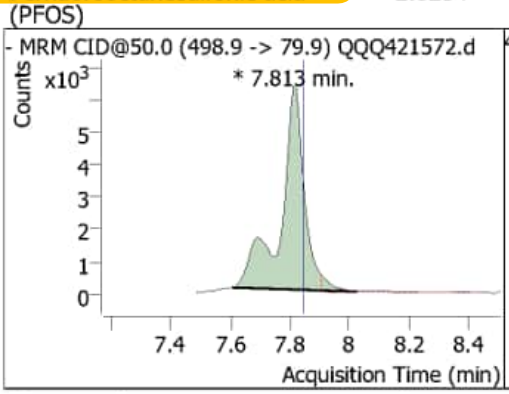
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.6862	7.82	-0.02	20233				

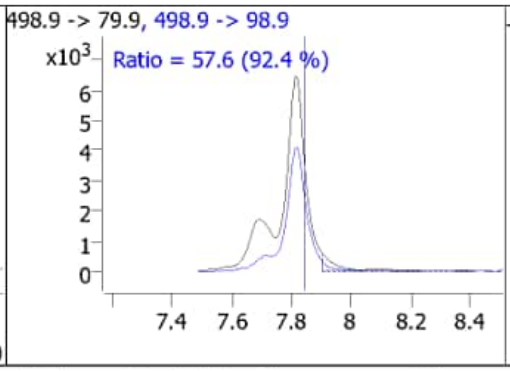


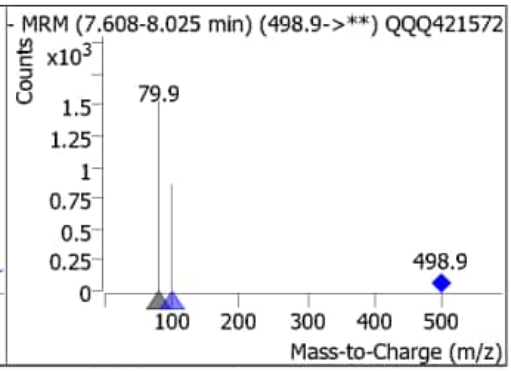




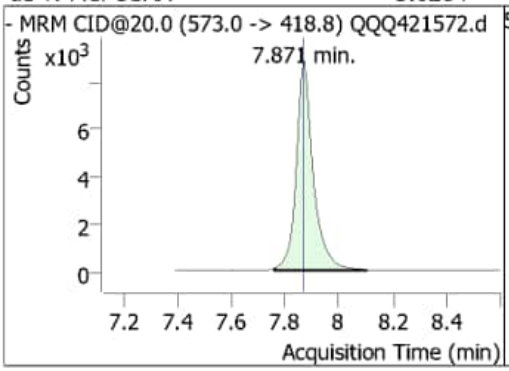
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorooctanesulfonic acid (PFOS)	2.8254	7.81	-0.03	35218 (m)	498.9 -> 98.9	57.6	49.9	74.8

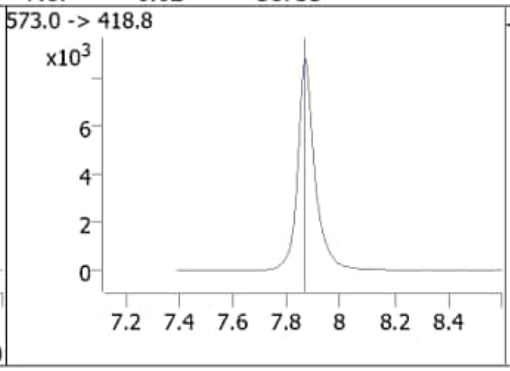


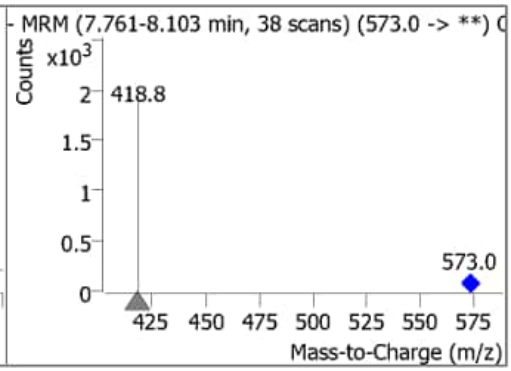




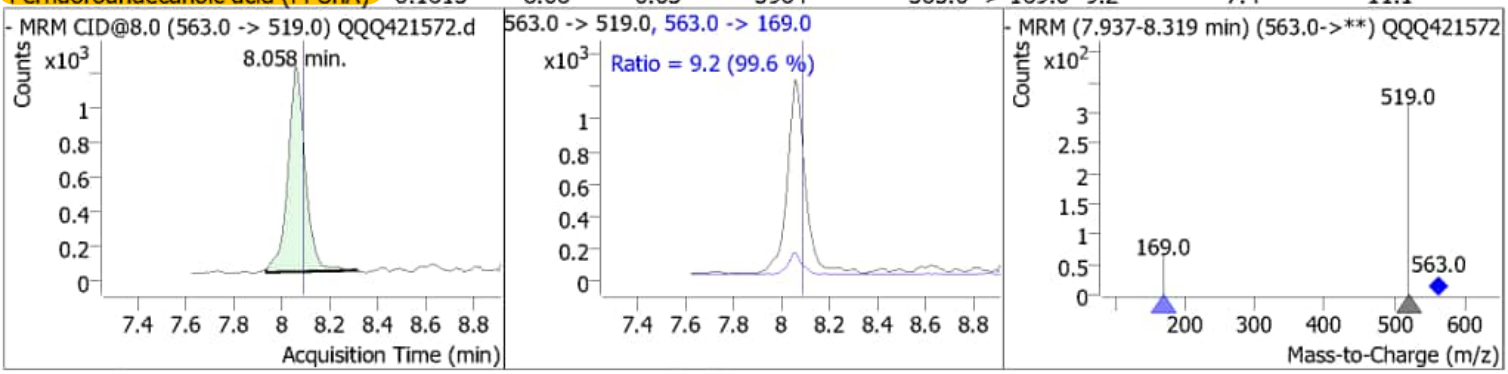
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
d3-N-MeFOSAA	5.6284	7.87	-0.02	38733				



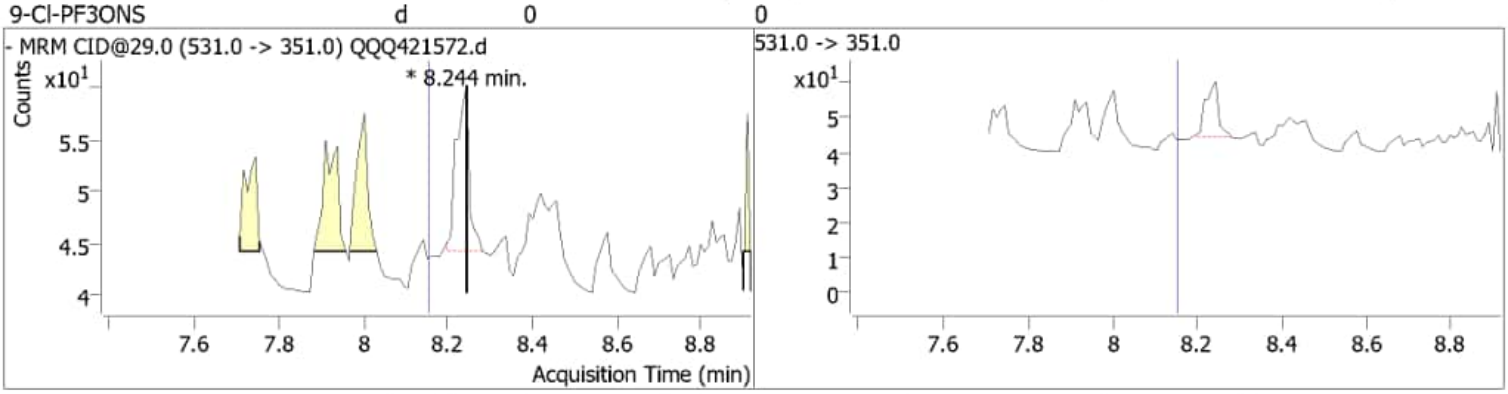




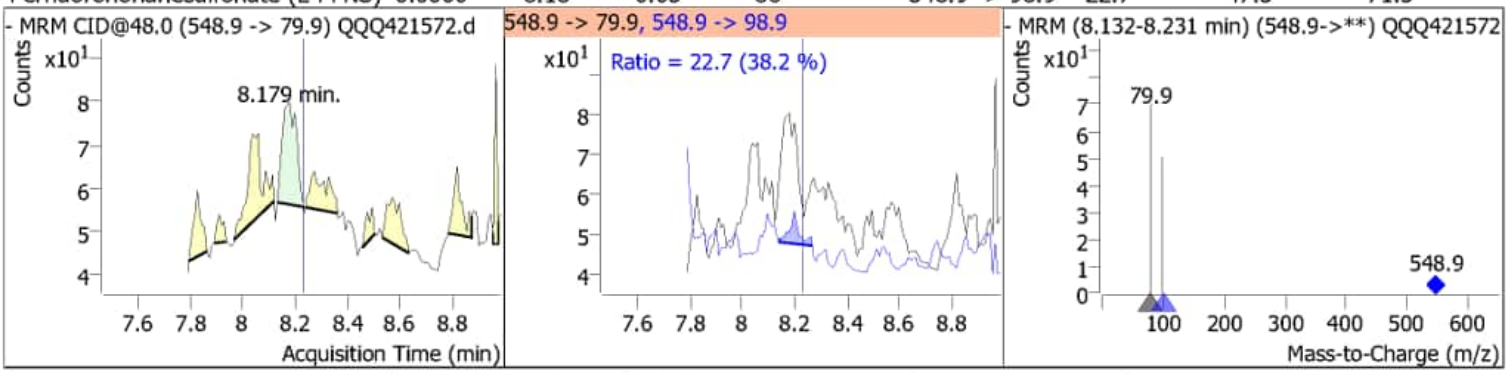
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoroundecanoic acid (PFUnA)	0.1615	8.06	-0.03	5964	563.0 -> 169.0	9.2	7.4	11.1



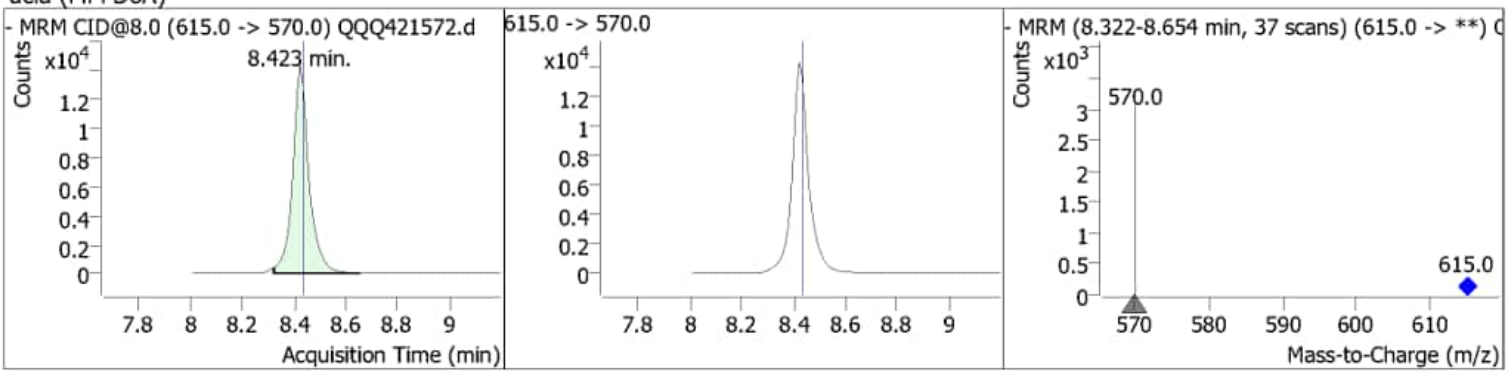
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9-Cl-PF3ONS	d	0		0				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorononanesulfonate (L-PFNS)	0.0000	8.18	-0.05	86	548.9 -> 98.9	22.7	47.5	71.3



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.3037	8.42	-0.03	62082				



Batch Supplementary Data

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Batch Data Path File Name	D:\MassHunter\Data\PFAS\QuantResults\2025-09-07A-1633Final.batch.bin		
Analysis Time Stamp	9/8/2025 3:59:37 PM	**Analyst Name**	CORP\NARCM.UserPFAS
Report Generation Time	9/8/2025 4:13:03 PM	**Report Generator Name**	CORP\NARCM.UserPFAS
Calibration Last Updated Time Stamp	8/28/2025 4:05:26 PM	**Batch State**	Processed
Analyze Quant Version	11.1	**Report Quant Version**	11.1
Acq. Date-Time	9/8/2025 12:41:11 AM	**Data File**	QQQ421572.d
Sample Type	Sample	**Sampe Name**	25H1535-07RE1
Dil.	1	**Acq. Method File**	ACQ_QQQ4_EPA1633Final_revA_2025-08-26.m

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.037	109219	7783	0.929			0.85			1058.15	
Perfluoro-n-butanoic acid (PFBA)	3.015	0	0	0.000			1.00			0.00	
PFMPA	4.049	0	0	0.000			1.00			0.00	
3:3FTCA	4.536	0	0	0.000			1.00			0.00	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)	4.910	87816	18153	0.361			1.08			39132.98	
Perfluoro-n-pentanoic acid (PFPeA)	4.921	1356	255	0.266			1.10			21.58	✓
PFMBA	5.224	0	0	0.000			1.00			0.00	
M2-4-2FTS	5.561	9185	2106	0.331			1.23			1564.70	
1H,1H,2H,2H-perfluoro-1-hexanesulfonate (4 2FTS)	5.552	29	9	0.163			2.43			188.08	
NFDHA	5.761	0	0	0.000			1.00			0.00	
Perfluorobutanesulfonic acid (PFBS)	5.751	851	181	0.269			0.96			67.71	✓
M3PFBS	5.749	25876	5626	0.333			1.25			18350.42	
M5PFHxA	5.792	94003	21040	0.352			1.09			3486.18	
Perfluorohexanoic acid (PFHxA)	5.794	4021	851	0.296			1.38			106.96	✓
M3-HFPO-DA	6.047	31314	6995	0.323			1.33			563.01	
HFPO-DA	6.324	0	0	0.000			1.00			0.00	
PFEESA	6.154	0	0	0.000			1.00			0.00	
5-3FTCA	6.523	0	0	0.000			1.00			0.00	
M4PFHpA	6.400	37151	8600	0.288			1.13			8538.88	
Perfluoroheptanoic acid (PFHpA)	6.391	2340	543	0.194			0.93			13.29	
Perfluoro-1-pentanesulfonate (L-PFPeS)	6.448	915	224	0.223			1.28			34.71	
ADONA	6.567	0	0	0.000			1.00			0.00	
M2-6-2FTS	6.683	15280	3631	0.314			1.32			560.84	

Batch Supplementary Data

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Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
1H,1H,2H,2H-perfluoro-1-octanesulfonate (6 2FTS)	6.674	35	11	0.110			2.03			60.04
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	6.879	143855	34410	0.325			1.20			34409.82
Perfluorooctanoic acid (PFOA)	6.880	4822	1249	0.285			1.27			72.82
M3PFHxS	6.974	23313	5356	0.297			1.11			610.58
Perfluorohexanesulfonic acid (PFHxS)	6.974	6930	1540	0.473			1.07			1540.30
TDCA	7.089	0	0	0.000			1.00			0.00
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)	7.293	57734	13825	0.334			1.36			3094.43
Perfluorononanoic acid (PFNA)	7.294	3809	895	0.306			1.25			84.18
Perfluoro-1-heptanesulfonate (L-PFHpS)	7.415	258	71	0.138			1.31			19.29
1H,1H,2H,2H-perfluoro-1-decanesulfonate (8 2FTS)	7.531	12	5	0.102			1.24			21.76
M2-8-2FTS	7.494	15106	3430	0.333			1.39			4215.92
7-3FTCA	7.527	0	0	0.000			1.00			0.00
M6PFDA	7.689	47075	10897	0.287			1.14			32654.08
Perfluorodecanoic acid (PFDA)	7.690	3020	715	0.233			1.20			714.71
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	7.821	20233	4513	0.296			1.07			379.06
Perfluorooctanesulfonic acid (PFOS)	7.813	35218	6287	0.417			0.50			6287.15
d3-N-MeFOSAA	7.871	38733	8759	0.342			1.34			8674.08
N-MeFOSAA	7.983	58	13	0.343			1.94			13.44
d5-N-EtFOSAA	8.046	30200	6831	0.305			1.39			72.27
N-EtFOSAA	8.306	0	0	0.000			1.00			0.00
M7PFUdA	8.057	62003	14510	0.306			1.36			14510.19
Perfluoroundecanoic acid (PFUnA)	8.058	5964	1187	0.382			1.25			88.89
9-Cl-PF3ONS	8.244	0	0	0.000			1.00			0.00
Perfluorononanesulfonate (L-PFNS)	8.179	86	24	0.099			1.03			9.43
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.423	62082	14303	0.332			1.28			51949.76
Perfluorododecanoic acid (PFDoA)	8.423	0	0	0.000			1.00			0.00
Perfluoro-1-decanesulfonate (L-PFDS)	8.600	40	12	0.102			0.29			1.11
Perfluorotridecanoic acid (PFTrDA)	8.783	3102	719	0.260			0.93			112.53

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
11-Cl-PF3OUdS	8.839	0	0	0.000			1.00			0.00
M2PFTeDA	9.122	54967	12290	0.331			1.17			28453.02
Perfluorotetradecanoic acid (PFTA)	9.122	577	152	0.211			1.03			44.94
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	9.239	35950	8611	0.284			1.35			21155.89
Perfluoro-1-octanesulfonamide (FOSA)	9.240	92	28	0.161			0.93			145.92
Perfluorododecanesulfonic acid (PFDoS)	9.197	0	0	0.000			1.00			0.00
d7-NMeFOSE	10.363	75240	17998	0.340			1.34			3043.67
NMeFOSE	10.382	0	0	0.000			1.00			0.00
d3-NMeFOSA	10.505	3010	709	0.248			1.57			626.36
NMeFOSA	10.526	0	0	0.000			1.00			0.00
d9-NEtFOSE	10.664	66537	16931	0.275			1.30			5418.58
NEtFOSE	10.693	0	0	0.000			1.00			0.00
d5-NEtFOSA	10.796	2348	627	0.266			1.36			290.10
NEtFOSA	10.797	0	0	0.000			1.00			0.00

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Sample Information

Client Sample ID: HVAC SW West 1-3 **Sample ID:** 25H1535-08RE1

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep

Results Reported to MDL

% Solids: 89.43

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.844	0.246	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.857	0.179	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.837	0.246	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.848	0.201	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	5.58	1.05	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	5.58	0.815	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	1.12	0.357	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.835	0.301	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
919005-14-4	ADONA	ND		ug/kg dry	0.844	0.290	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CCV-L	ug/kg dry	0.893	0.257	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.223	0.100	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.558	0.558	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	2.23	0.513	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.223	0.145	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.223	0.0893	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	2.23	0.815	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.397	0.0670	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.215	0.0670	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.223	0.0781	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.214	0.156	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.223	0.0335	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.210	0.0781	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.446	0.435	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.446	0.435	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.446	0.0446	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.446	0.134	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.198	0.0781	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.223	0.0893	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.216	0.167	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.223	0.0893	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.223	0.123	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM

Sample Information

Client Sample ID: **HVAC SW West 1-3** **Sample ID: 25H1535-08RE1**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

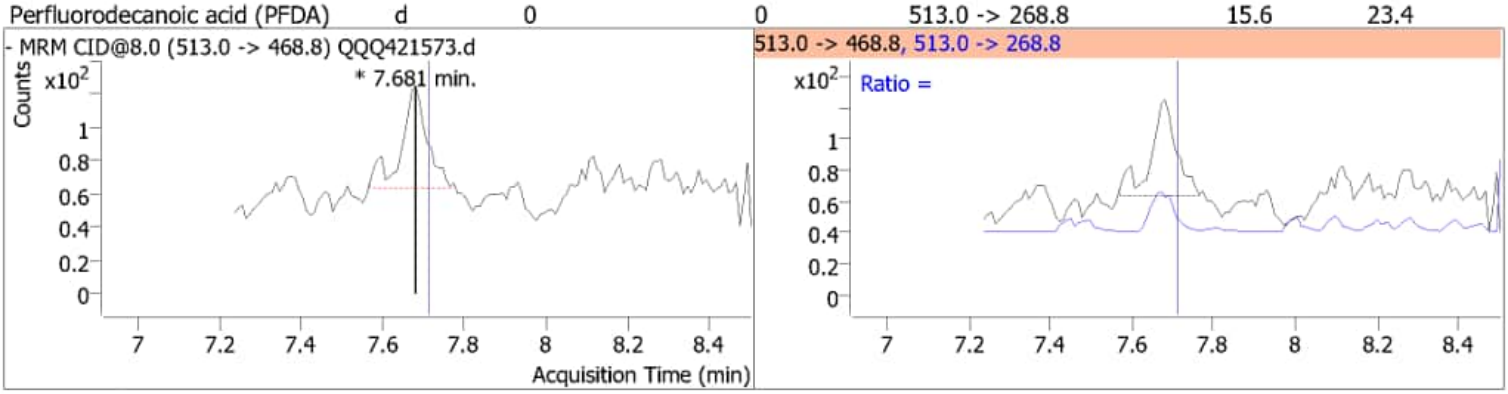
PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep — Results Reported to MDL — % Solids: 89.43

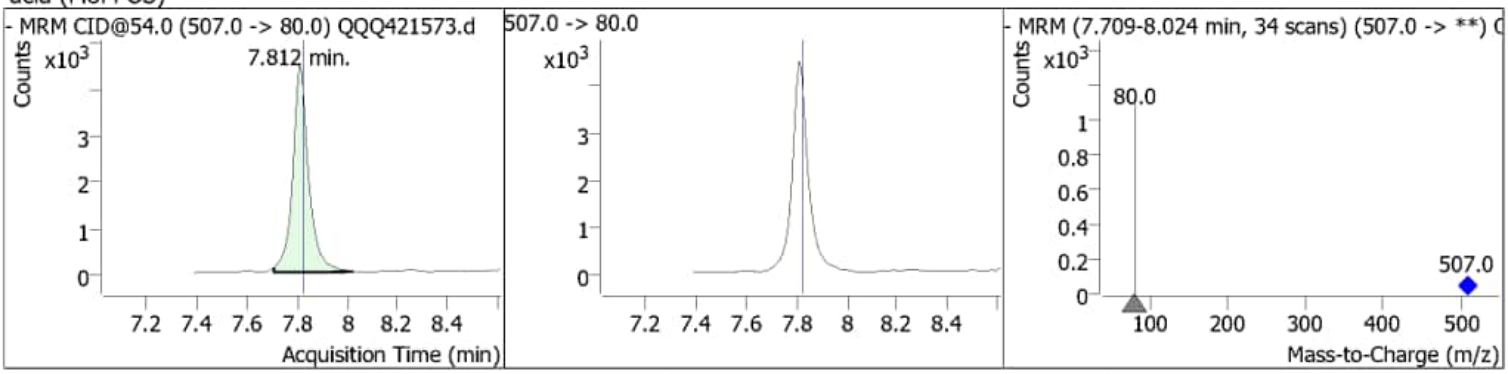
CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.204	0.0781	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.223	0.0558	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.893	0.179	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.223	0.156	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	0.569		ug/kg dry	0.208	0.0781	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.223	0.0781	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.446	0.0893	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.223	0.145	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.223	0.123	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.223	0.123	1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
1180-95-6	* Taurodeoxycholic Acid (TDCA)	0.00		ug/kg dry			1	EPA 1633A	09/06/2025 10:13	09/08/2025 00:56	AM
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*114 %*			*40-135*						
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*107 %*			*40-150*						
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*64.3 %*			*20-130*						
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*72.6 %*			*15-130*						
936109-40-9	*Surrogate: d-N-EtFOSA*	*67.2 %*			*10-130*						
936109-37-4	*Surrogate: d-N-MeFOSA*	*70.4 %*			*10-130*						
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*46.1 %*			*40-165*						
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*62.8 %*			*40-215*						
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*71.2 %*			*40-275*						
13C2PFTEDA	*Surrogate: M2PFTeDA*	*91.1 %*			*20-130*						
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*107 %*			*40-130*						
M3PFBS	*Surrogate: M3PFBS*	*131 %*			*40-135*						
13C3PFHXS	*Surrogate: M3PFHxS*	*115 %*			*40-130*						
13C4PFHPA	*Surrogate: M4PFHpA*	*105 %*			*40-130*						
2328025-54-8	*Surrogate: M5PFHxA*	*94.9 %*			*40-130*						
2328025-54-8	*Surrogate: M5PFHxA*	*94.9 %*			*40-130*						
13C6PFDA	*Surrogate: M6PFDA*	*110 %*			*40-130*						
13C7PFUNA	*Surrogate: M7PFUdA*	*105 %*			*40-130*						
13C9PFNA	*Surrogate: M9PFNA*	*125 %*			*40-130*						
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*91.1 %*			*40-130*						
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*107 %*			*40-130*						
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*98.8 %*			*40-130*						
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*104 %*			*8-130*						
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*94.5 %*			*35-130*						
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*114 %*			*40-130*						

Quantitation Results Report (QT Reviewed)

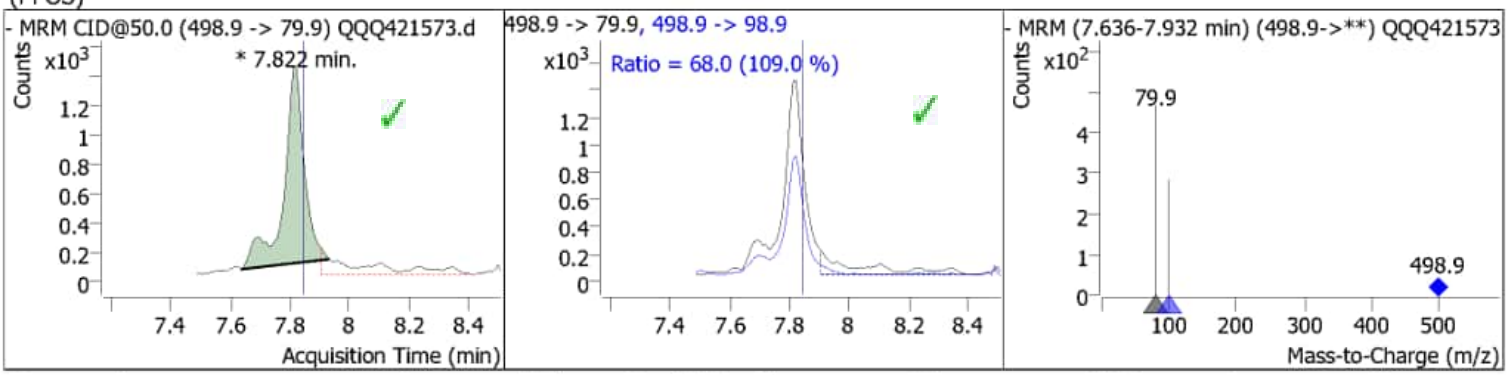
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorodecanoic acid (PFDA)	d	0		0	513.0 -> 268.8		15.6	23.4



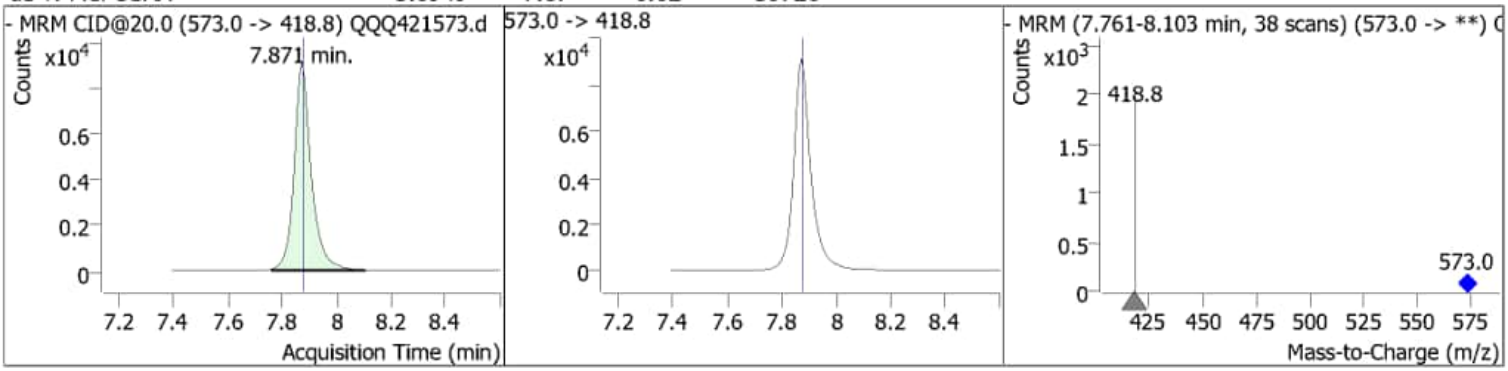
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.5637	7.81	-0.03	19574				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorooctanesulfonic acid (PFOS)	0.5095	7.82	-0.02	6490 (m)	498.9 -> 98.9	68.0	49.9	74.8



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
d3-N-MeFOSAA	5.6949	7.87	-0.02	39726				



Batch Supplementary Data

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Batch Data Path File Name	D:\MassHunter\Data\PFAS\QuantResults\2025-09-07A-1633Final.batch.bin		
Analysis Time Stamp	9/8/2025 3:59:37 PM	**Analyst Name**	CORP\NARCM.UserPFAS
Report Generation Time	9/8/2025 4:13:03 PM	**Report Generator Name**	CORP\NARCM.UserPFAS
Calibration Last Updated Time Stamp	8/28/2025 4:05:26 PM	**Batch State**	Processed
Analyze Quant Version	11.1	**Report Quant Version**	11.1
Acq. Date-Time	9/8/2025 12:56:42 AM	**Data File**	QQQ421573.d
Sample Type	Sample	**Sampe Name**	25H1535-08RE1
Dil.	1	**Acq. Method File**	ACQ_QQQ4_EPA1633Final_revA_2025-08-26.m

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.037	98284	7109	0.766			0.75			1687.11
Perfluoro-n-butanoic acid (PFBA)	3.337	0	0	0.000			1.00			0.00
PFMPA	4.067	0	0	0.000			1.00			0.00
3:3FTCA	4.536	0	0	0.000			1.00			0.00
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)	4.910	84424	17781	0.361			1.04			6562.56
Perfluoro-n-pentanoic acid (PFPeA)	4.912	0	0	0.000			1.00			0.00
PFMBA	5.224	0	0	0.000			1.00			0.00
M2-4-2FTS	5.561	8850	2054	0.331			1.29			1659.68
1H,1H,2H,2H-perfluoro-1-hexanesulfonate (4 2FTS)	5.580	6	3	0.062			0.46			10.74
NFDHA	5.706	0	0	0.000			1.00			0.00
Perfluorobutanesulfonic acid (PFBS)	5.760	0	0	0.000			1.00			0.00
M3PFBS	5.749	24781	5212	0.352			1.15			2050.59
M5PFHxA	5.792	88608	19878	0.296			1.06			5478.63
Perfluorohexanoic acid (PFHxA)	5.776	0	0	0.000			1.00			0.00
M3-HFPO-DA	6.047	30006	6902	0.332			1.28			2263.18
HFPO-DA	6.186	0	0	0.000			1.00			0.00
PFEESA	6.136	0	0	0.000			1.00			0.00
5-3FTCA	6.328	0	0	0.000			1.00			0.00
M4PFHpA	6.391	33361	7697	0.316			1.38			7531.15
Perfluoroheptanoic acid (PFHpA)	6.382	0	0	0.000			1.00			0.00
Perfluoro-1-pentanesulfonate (L-PFPeS)	6.458	0	0	0.000			1.00			0.00
ADONA	6.613	0	0	0.000			1.00			0.00
M2-6-2FTS	6.683	14851	3492	0.342			1.33			2373.81

Batch Supplementary Data

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Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
1H,1H,2H,2H-perfluoro-1-octanesulfonate (6 2FTS)	6.693	14	6	0.110			1.27			56.62
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	6.879	139057	32984	0.289			1.16			491965.38
Perfluorooctanoic acid (PFOA)	6.880	917	186	0.213			0.74			7.26
M3PFHxS	6.974	22089	5051	0.288			1.17			2331.26
Perfluorohexanesulfonic acid (PFHxS)	6.974	534	132	0.362			1.32			131.90
TDCA	7.181	0	0	0.000			1.00			0.00
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)	7.293	55112	12787	0.325			1.47			13725.05
Perfluorononanoic acid (PFNA)	7.303	0	0	0.000			1.00			0.00
Perfluoro-1-heptanesulfonate (L-PFHpS)	7.397	27	13	0.065			1.19			1.52
1H,1H,2H,2H-perfluoro-1-decanesulfonate (8 2FTS)	7.494	54	22	0.139			1.49			352.97
M2-8-2FTS	7.494	15156	3626	0.320			1.43			1130.67
7-3FTCA	7.536	0	0	0.000			1.00			0.00
M6PFDA	7.689	45915	10746	0.287			1.18			108365.45
Perfluorodecanoic acid (PFDA)	7.681	0	0	0.000			1.00			0.00
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	7.812	19574	4481	0.314			1.28			259.64
Perfluorooctanesulfonic acid (PFOS)	7.822	6490	1350	0.296			0.92			1350.15
d3-N-MeFOSAA	7.871	39726	9092	0.342			1.34			9092.36
N-MeFOSAA	7.854	0	0	0.000			1.00			0.00
d5-N-EtFOSAA	8.046	29082	6618	0.264			1.71			202.45
N-EtFOSAA	8.056	766	170	0.379			1.65			169.88
M7PFUdA	8.066	57957	13149	0.296			1.08			16344.57
Perfluoroundecanoic acid (PFUnA)	8.058	1649	392	0.202			1.29			34.55
9-Cl-PF3ONS	8.049	0	0	0.000			1.00			0.00
Perfluorononanesulfonate (L-PFNS)	8.188	106	21	0.172			1.99			2.03
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.423	58039	13162	0.332			1.29			80141.54
Perfluorododecanoic acid (PFDoA)	8.423	0	0	0.000			1.00			0.00
Perfluoro-1-decanesulfonate (L-PFDS)	8.573	13	7	0.070			0.92			5.46
Perfluorotridecanoic acid (PFTrDA)	8.792	843	204	0.213			0.76			99.99

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
11-Cl-PF3OUdS	8.923	0	0	0.000			1.00			0.00
M2PFTeDA	9.122	55548	12809	0.331			1.28			13829.75
Perfluorotetradecanoic acid (PFTA)	9.104	0	0	0.000			1.00			0.00
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	9.239	38183	9263	0.284			1.36			2072.75
Perfluoro-1-octanesulfonamide (FOSA)	9.222	149	35	0.158			1.17			34.87
Perfluorododecanesulfonic acid (PFDoS)	9.225	17	7	0.088			0.96			4.04
d7-NMeFOSE	10.363	68788	17105	0.321			1.40			17105.26
NMeFOSE	10.382	0	0	0.000			1.00			0.00
d3-NMeFOSA	10.505	2685	660	0.317			1.63			165.91
NMeFOSA	10.516	0	0	0.000			1.00			0.00
d9-NEtFOSE	10.664	61221	15829	0.266			1.34			1555.45
NEtFOSE	10.683	0	0	0.000			1.00			0.00
d5-NEtFOSA	10.796	2172	544	0.248			1.48			697.68
NEtFOSA	10.816	0	0	0.000			1.00			0.00

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Sample Information

Client Sample ID: HVAC Bottom 3 ft **Sample ID:** 25H1535-09RE1

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep | Results Reported to MDL | % Solids: 91.50

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.823	0.239	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.836	0.174	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.816	0.239	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.827	0.196	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	5.44	1.02	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	5.44	0.795	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	1.09	0.348	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.814	0.294	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
919005-14-4	ADONA	ND		ug/kg dry	0.823	0.283	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CCV-L	ug/kg dry	0.871	0.250	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.218	0.0980	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.544	0.544	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	2.18	0.501	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.218	0.142	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.218	0.0871	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	2.18	0.795	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.388	0.0653	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.210	0.0653	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.218	0.0762	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.209	0.152	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.218	0.0327	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.205	0.0762	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.435	0.425	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.435	0.425	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.435	0.0435	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.435	0.131	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.193	0.0762	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.218	0.0871	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.211	0.163	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.218	0.0871	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.218	0.120	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM

Sample Information

Client Sample ID: **HVAC Bottom 3 ft** **Sample ID: 25H1535-09RE1**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

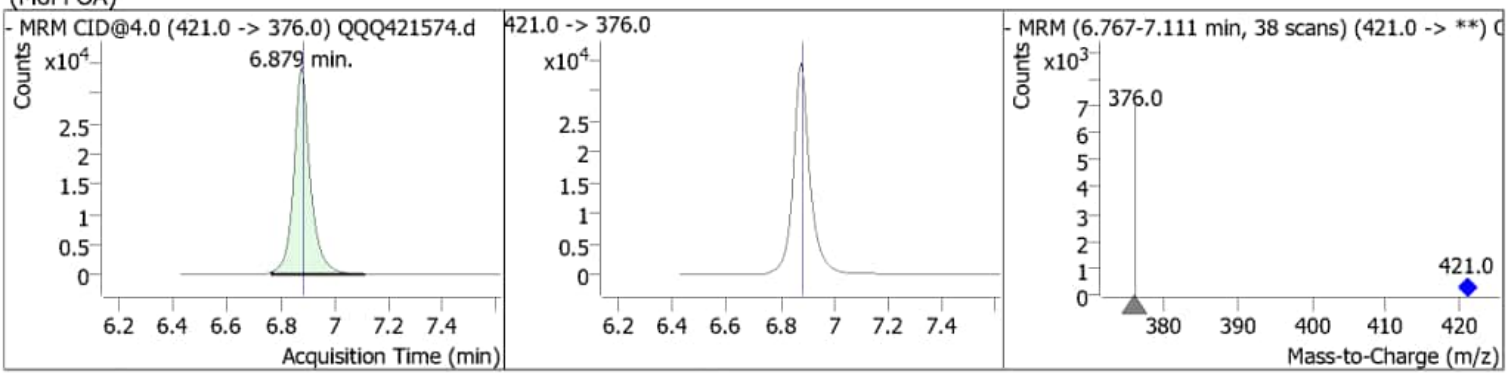
PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep — Results Reported to MDL — % Solids: 91.50

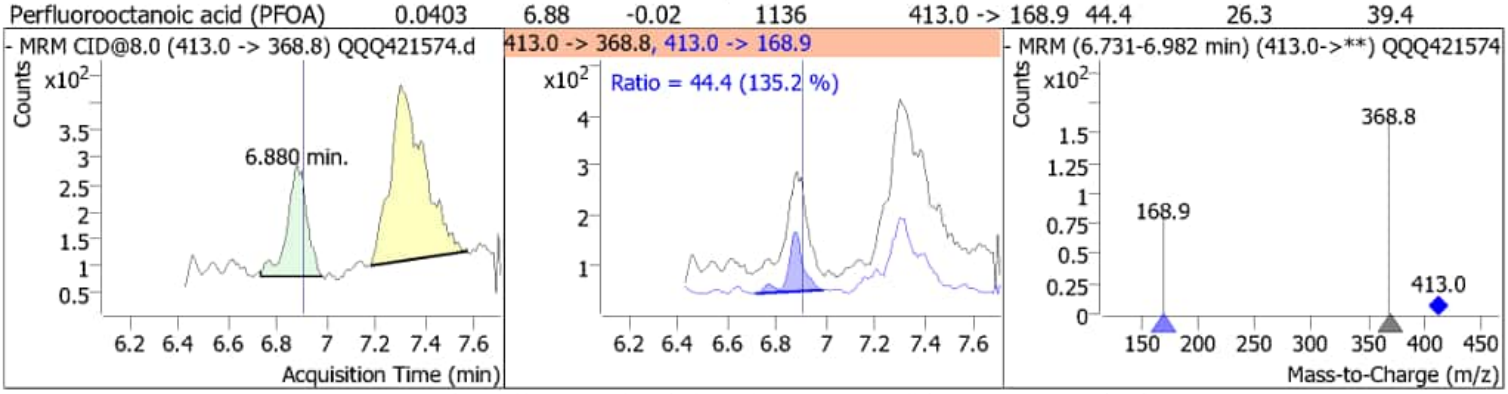
CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	0.116	J	ug/kg dry	0.199	0.0762	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.218	0.0544	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.871	0.174	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND	UJ,IS	ug/kg dry	0.218	0.152	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	1.47		ug/kg dry	0.202	0.0762	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.218	0.0762	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.435	0.0871	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.218	0.142	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.218	0.120	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.218	0.120	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
1180-95-6	* Taurodeoxycholic Acid (TDCA)	0.00		ug/kg dry			1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:11	AM
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*111 %*			*40-135*						
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*114 %*			*40-150*						
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*67.2 %*			*20-130*						
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*77.2 %*			*15-130*						
936109-40-9	*Surrogate: d-N-EtFOSA*	*66.8 %*			*10-130*						
936109-37-4	*Surrogate: d-N-MeFOSA*	*74.6 %*			*10-130*						
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*48.0 %*			*40-165*						
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*64.5 %*			*40-215*						
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*70.2 %*			*40-275*						
13C2PFTEDA	*Surrogate: M2PFTeDA*	*99.2 %*			*20-130*						
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*114 %*			*40-130*						
M3PFBS	*Surrogate: M3PFBS*	*135 %*			*40-135*						
13C3PFHXS	*Surrogate: M3PFHxS*	*116 %*			*40-130*						
13C4PFHPA	*Surrogate: M4PFHpA*	*112 %*			*40-130*						
2328025-54-8	*Surrogate: M5PFHxA*	*102 %*			*40-130*						
2328025-54-8	*Surrogate: M5PFHxA*	*102 %*			*40-130*						
13C6PFDA	*Surrogate: M6PFDA*	*122 %*			*40-130*						
13C7PFUNA	*Surrogate: M7PFUdA*	*114 %*			*40-130*						
13C9PFNA	*Surrogate: M9PFNA*	*145 %*	PFSu-H		*40-130*						
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*93.5 %*			*40-130*						
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*111 %*			*40-130*						
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*114 %*			*40-130*						
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*116 %*			*8-130*						
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*104 %*			*35-130*						
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*122 %*			*40-130*						

EIS recovery high - qual UJ,IS

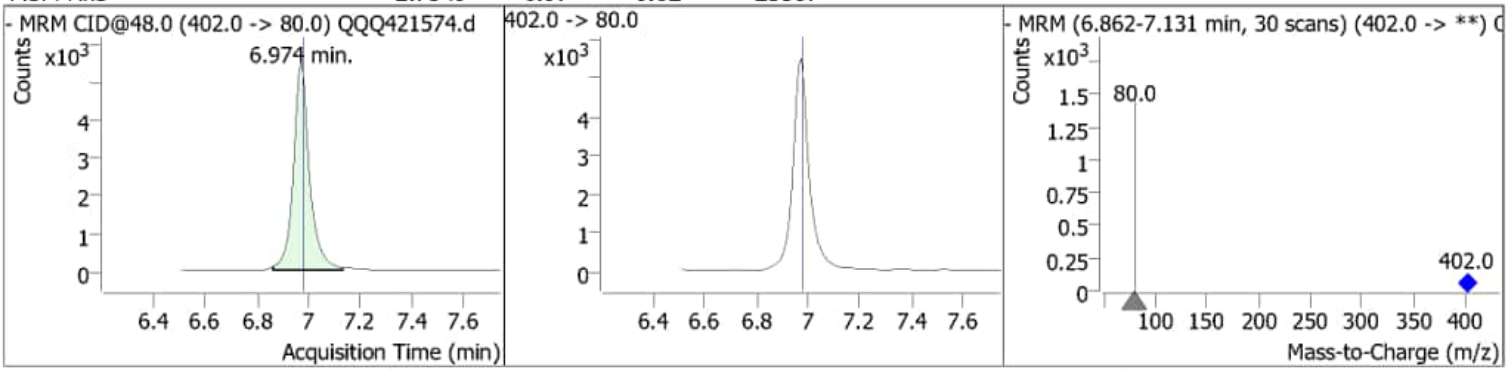
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.0501	6.88	-0.02	147020				



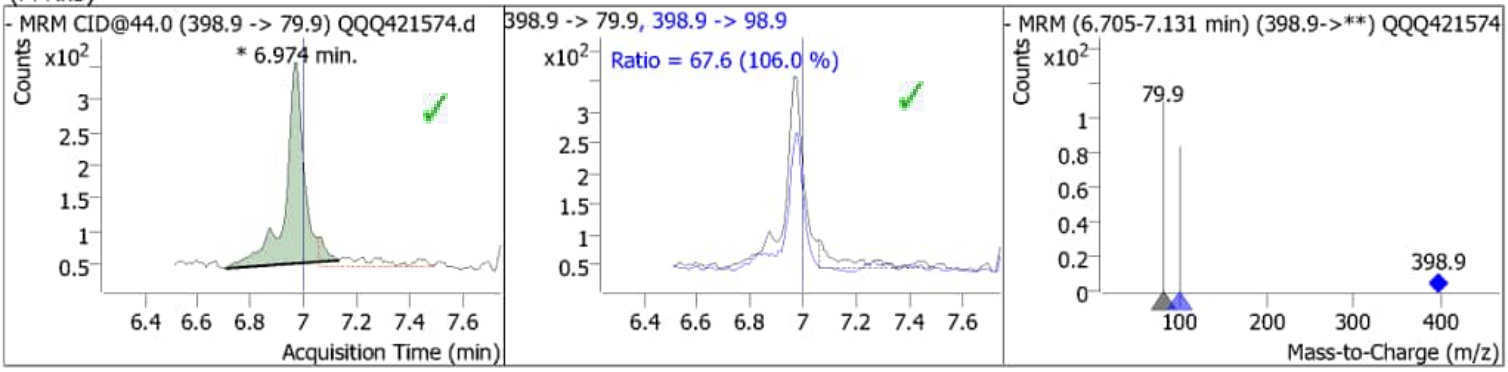
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorooctanoic acid (PFOA)	0.0403	6.88	-0.02	1136	413.0 -> 168.9	44.4	26.3	39.4



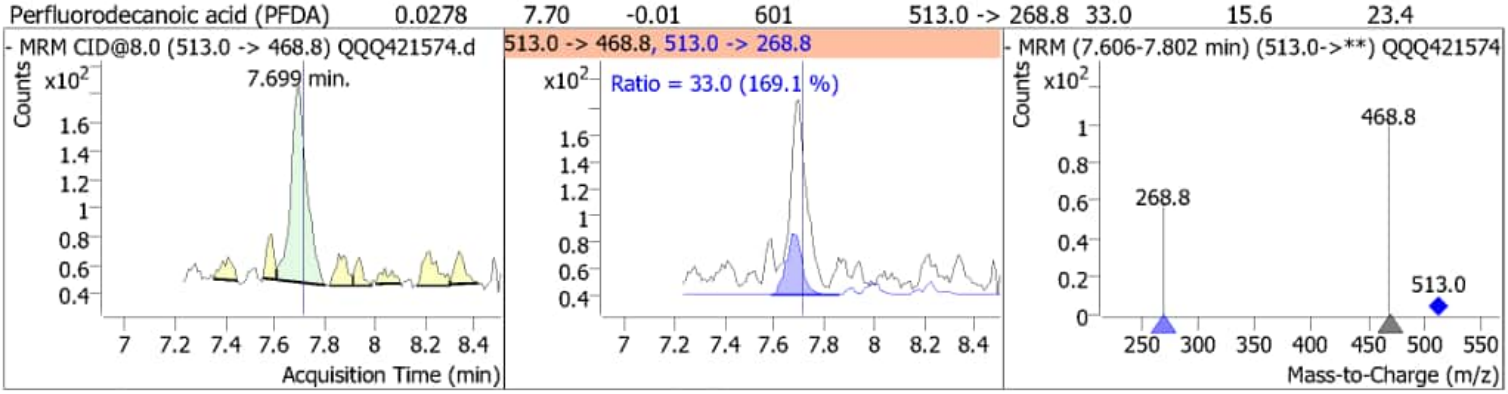
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
M3PFHxS	2.7549	6.97	-0.02	23587				



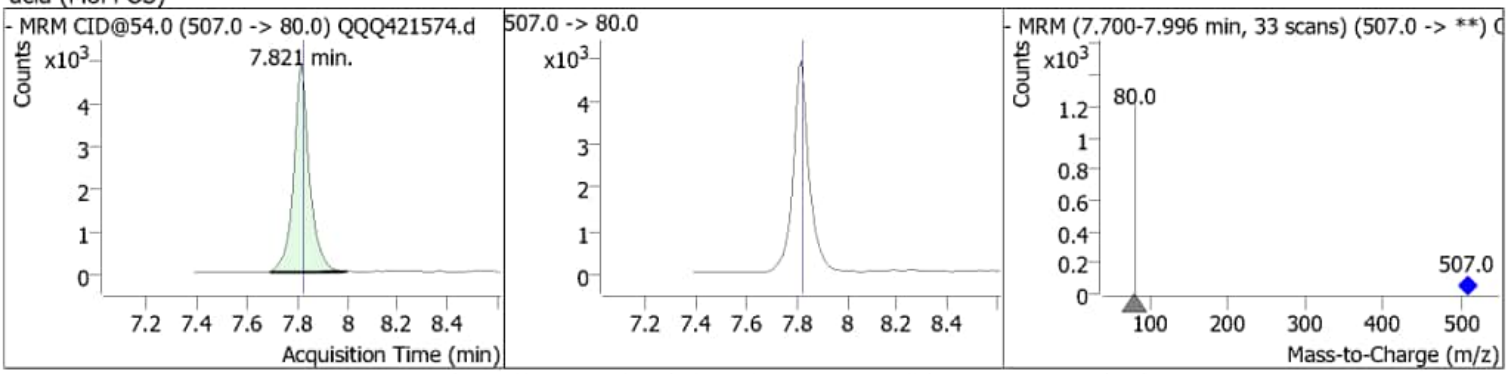
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorohexanesulfonic acid (PFHxS)	0.1066	6.97	-0.02	1561 (m)	398.9 -> 98.9	67.6	51.0	76.5



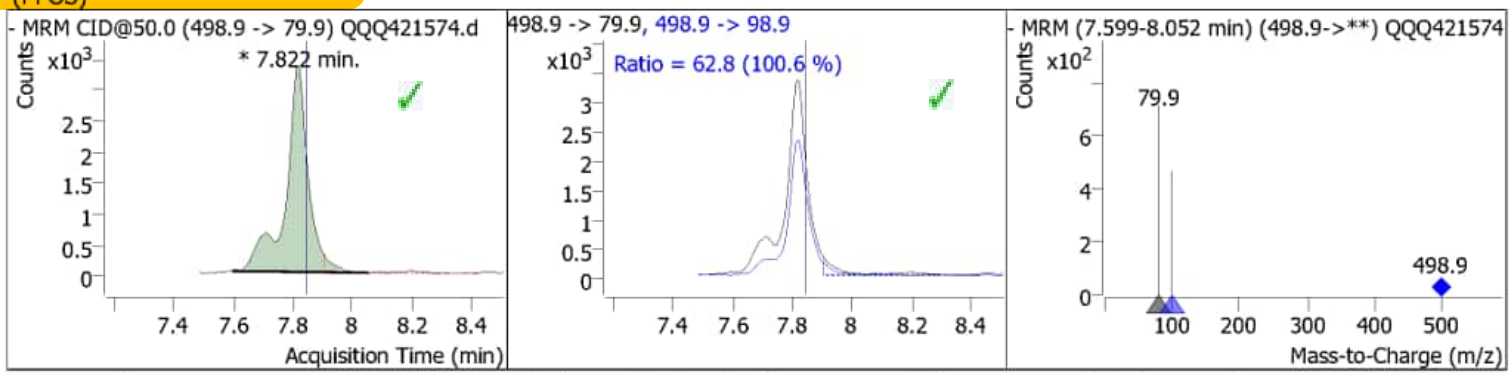
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorodecanoic acid (PFDA)	0.0278	7.70	-0.01	601	513.0 -> 268.8	33.0	15.6	23.4



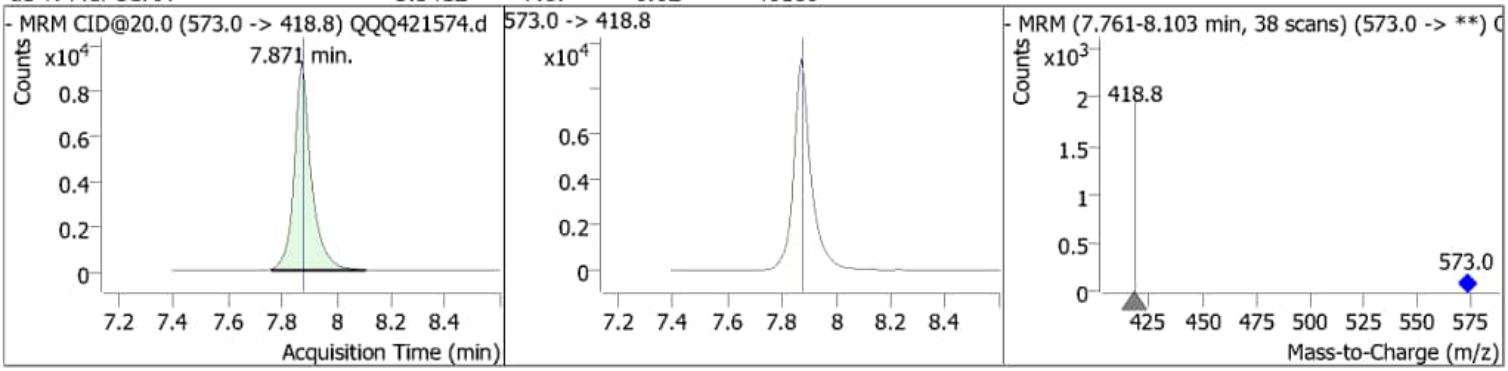
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.6521	7.82	-0.02	21053				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorooctanesulfonic acid (PFOS)	1.3492	7.82	-0.02	17705 (m)	498.9 -> 98.9	62.8	49.9	74.8



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
d3-N-MeFOSAA	5.5412	7.87	-0.02	40189				



Batch Supplementary Data

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Batch Data Path File Name	D:\MassHunter\Data\PFAS\QuantResults\2025-09-07A-1633Final.batch.bin		
Analysis Time Stamp	9/8/2025 3:59:37 PM	**Analyst Name**	CORP\NARCM.UserPFAS
Report Generation Time	9/8/2025 4:13:03 PM	**Report Generator Name**	CORP\NARCM.UserPFAS
Calibration Last Updated Time Stamp	8/28/2025 4:05:26 PM	**Batch State**	Processed
Analyze Quant Version	11.1	**Report Quant Version**	11.1
Acq. Date-Time	9/8/2025 1:11:59 AM	**Data File**	QQQ421574.d
Sample Type	Sample	**Sampe Name**	25H1535-09RE1
Dil.	1	**Acq. Method File**	ACQ_QQQ4_EPA1633Final_revA_2025-08-26.m

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.009	107575	7351	0.938			0.87			1866.82
Perfluoro-n-butanoic acid (PFBA)	2.988	0	0	0.000			1.00			0.00
PFMPA	4.049	0	0	0.000			1.00			0.00
3:3FTCA	4.711	0	0	0.000			1.00			0.00
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)	4.910	93307	19228	0.361			0.99			2828.47
Perfluoro-n-pentanoic acid (PFPeA)	4.921	0	0	0.000			1.00			0.00
PFMBA	5.234	0	0	0.000			1.00			0.00
M2-4-2FTS	5.561	9685	2193	0.340			1.22			1971.23
1H,1H,2H,2H-perfluoro-1-hexanesulfonate (4 2FTS)	5.561	17	7	0.129			0.89			40.40
NFDHA	5.697	0	0	0.000			1.00			0.00
Perfluorobutanesulfonic acid (PFBS)	5.751	0	0	0.000			1.00			0.00
M3PFBS	5.750	26885	5715	0.343			1.10			5715.40
M5PFHxA	5.783	95787	21495	0.333			1.33			16596.32
Perfluorohexanoic acid (PFHxA)	5.785	655	166	0.158			2.04			3.78
M3-HFPO-DA	6.047	32005	7318	0.332			1.27			2004.21
HFPO-DA	6.103	0	0	0.000			1.00			0.00
PFEESA	6.172	0	0	0.000			1.00			0.00
5-3FTCA	6.216	0	0	0.000			1.00			0.00
M4PFHpA	6.391	35551	8340	0.316			1.41			6150.96
Perfluoroheptanoic acid (PFHpA)	6.391	0	0	0.000			1.00			0.00
Perfluoro-1-pentanesulfonate (L-PFPeS)	6.439	0	0	0.000			1.00			0.00
ADONA	6.595	0	0	0.000			1.00			0.00
M2-6-2FTS	6.683	16044	3752	0.342			1.21			755.56

Batch Supplementary Data

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Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
1H,1H,2H,2H-perfluoro-1-octanesulfonate (6 2FTS)	6.693	28	10	0.135			0.23			79.30
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	6.879	147020	34413	0.344			1.19			94483.92
Perfluorooctanoic acid (PFOA)	6.880	1136	205	0.251			0.93			17.62
M3PFHxS	6.974	23587	5476	0.269			1.13			2614.35
Perfluorohexanesulfonic acid (PFHxS)	6.974	1561	306	0.427			0.80			306.20
TDCA	7.043	0	0	0.000			1.00			0.00
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)	7.302	62996	14767	0.316			1.19			51479.74
Perfluorononanoic acid (PFNA)	7.303	593	156	0.157			1.31			11.07
Perfluoro-1-heptanesulfonate (L-PFHpS)	7.415	0	0	0.000			1.00			0.00
1H,1H,2H,2H-perfluoro-1-decanesulfonate (8 2FTS)	7.494	9	4	0.064			0.79			35.16
M2-8-2FTS	7.494	15724	3595	0.333			1.50			309.86
7-3FTCA	7.444	0	0	0.000			1.00			0.00
M6PFDA	7.689	49585	11933	0.311			1.29			11932.69
Perfluorodecanoic acid (PFDA)	7.699	601	137	0.195			0.96			126.59
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	7.821	21053	4877	0.296			1.09			332.33
Perfluorooctanesulfonic acid (PFOS)	7.822	17705	3314	0.454			0.50			3313.92
d3-N-MeFOSAA	7.871	40189	9230	0.342			1.39			9229.83
N-MeFOSAA	8.085	11	4	0.343			1.52			3.77
d5-N-EtFOSAA	8.046	32456	7446	0.280			1.59			393.65
N-EtFOSAA	8.102	0	0	0.000			1.00			0.00
M7PFUdA	8.066	61530	13983	0.343			1.11			40000.06
Perfluoroundecanoic acid (PFUnA)	8.067	1836	453	0.205			1.22			52.07
9-Cl-PF3ONS	8.309	0	0	0.000			1.00			0.00
Perfluorononanesulfonate (L-PFNS)	8.216	0	0	0.000			1.00			0.00
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.423	65281	14845	0.332			1.27			30987.39
Perfluorododecanoic acid (PFDoA)	8.433	253	69	0.149			0.90			4.78
Perfluoro-1-decanesulfonate (L-PFDS)	8.582	56	16	0.132			0.63			64.19
Perfluorotridecanoic acid (PFTrDA)	8.783	0	0	0.000			1.00			0.00

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
11-Cl-PF3OUdS	8.858	0	0	0.000			1.00			0.00
M2PFTeDA	9.122	59043	13429	0.331			1.34			6598.40
Perfluorotetradecanoic acid (PFTA)	9.131	0	0	0.000			1.00			0.00
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	9.239	40739	9865	0.284			1.40			19818.26
Perfluoro-1-octanesulfonamide (FOSA)	9.240	373	67	0.519			0.42			600.24
Perfluorododecanesulfonic acid (PFDoS)	9.464	4	2	0.043			0.74			2.16
d7-NMeFOSE	10.363	74772	18070	0.312			1.46			9458.95
NMeFOSE	10.392	0	0	0.000			1.00			0.00
d3-NMeFOSA	10.505	2955	728	0.312			1.44			221.30
NMeFOSA	10.572	0	0	0.000			1.00			0.00
d9-NEtFOSE	10.664	67713	17125	0.266			1.36			1470.81
NEtFOSE	10.702	0	0	0.000			1.00			0.00
d5-NEtFOSA	10.796	2245	589	0.255			1.43			5114.04
NEtFOSA	10.797	0	0	0.000			1.00			0.00

981

Sample Information

Client Sample ID: **HVAC DUP** FD of HVAC Bottom 3' **Sample ID:** **25H1535-10RE1**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep — Results Reported to MDL — % Solids: 88.88

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
763051-92-9	11CL-PF3OUdS	ND		ug/kg dry	0.849	0.247	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.862	0.180	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.842	0.247	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.853	0.202	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg dry	5.61	1.06	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg dry	5.61	0.820	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg dry	1.12	0.359	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
756426-58-1	9CL-PF3ONS	ND		ug/kg dry	0.840	0.303	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
919005-14-4	ADONA	ND		ug/kg dry	0.849	0.292	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CCV-L	ug/kg dry	0.898	0.258	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
4151-50-2	N-EtFOSA	ND		ug/kg dry	0.225	0.101	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.561	0.561	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
1691-99-2	N-EtFOSE	ND		ug/kg dry	2.25	0.517	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
31506-32-8	N-MeFOSA	ND		ug/kg dry	0.225	0.146	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.225	0.0898	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
24448-09-7	N-MeFOSE	ND		ug/kg dry	2.25	0.820	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.400	0.0674	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.217	0.0674	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.225	0.0786	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.216	0.157	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.225	0.0337	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.211	0.0786	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-NFD	ug/kg dry	0.449	0.438	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.449	0.438	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.449	0.0449	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.449	0.135	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.199	0.0786	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.225	0.0898	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.218	0.168	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.225	0.0898	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.225	0.124	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM

Sample Information

Client Sample ID: **HVAC DUP** **Sample ID: 25H1535-10RE1**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

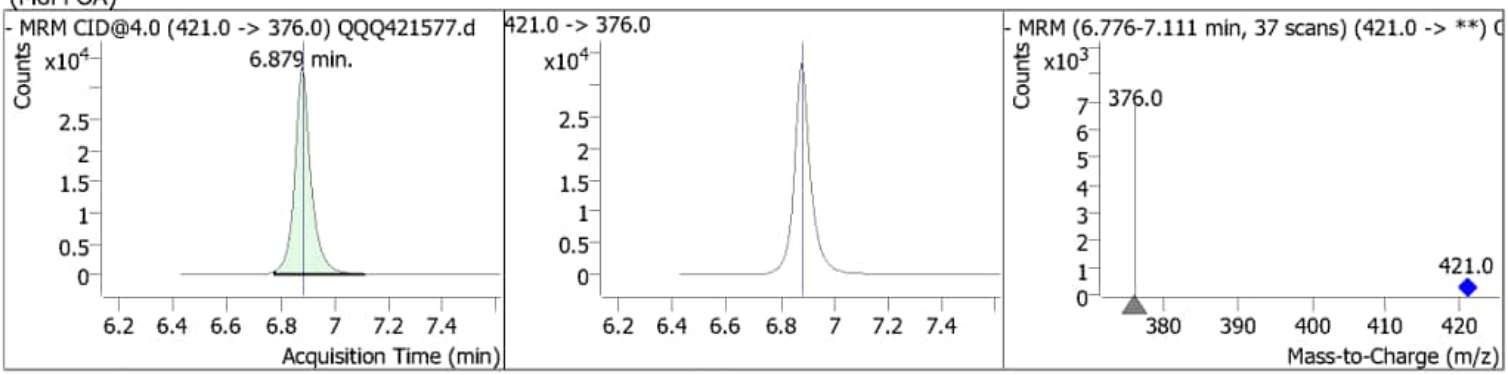
PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep — Results Reported to MDL — % Solids: 88.88

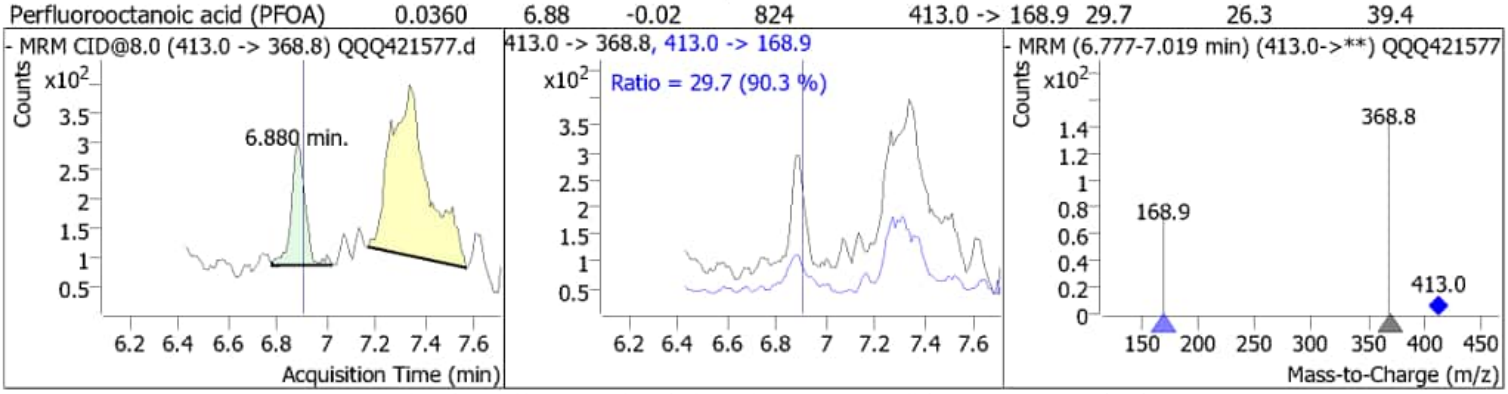
CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	0.0897	J	ug/kg dry	0.205	0.0786	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.225	0.0561	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.898	0.180	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND	UJ:IS	ug/kg dry	0.225	0.157	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	1.27		ug/kg dry	0.209	0.0786	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.225	0.0786	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.449	0.0898	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.225	0.146	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.225	0.124	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.225	0.124	1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
1180-95-6	* Taurodeoxycholic Acid (TDCA)	0.00		ug/kg dry			1	EPA 1633A	09/06/2025 10:13	09/08/2025 01:57	AM
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*107 %*			*40-135*						
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*112 %*			*40-150*						
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*67.2 %*			*20-130*						
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*76.2 %*			*15-130*						
936109-40-9	*Surrogate: d-N-EtFOSA*	*76.0 %*			*10-130*						
936109-37-4	*Surrogate: d-N-MeFOSA*	*73.3 %*			*10-130*						
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*45.2 %*			*40-165*						
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*62.7 %*			*40-215*						
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*67.9 %*			*40-275*						
13C2PFTEDA	*Surrogate: M2PFTeDA*	*88.9 %*			*20-130*						
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*103 %*			*40-130*						
M3PFBS	*Surrogate: M3PFBS*	*127 %*			*40-135*						
13C3PFHXS	*Surrogate: M3PFHxS*	*109 %*			*40-130*						
13C4PFHPA	*Surrogate: M4PFHpA*	*107 %*			*40-130*						
2328025-54-8	*Surrogate: M5PFHxA*	*98.6 %*			*40-130*						
2328025-54-8	*Surrogate: M5PFHxA*	*98.6 %*			*40-130*						
13C6PFDA	*Surrogate: M6PFDA*	*107 %*			*40-130*						
13C7PFUNA	*Surrogate: M7PFUdA*	*110 %*			*40-130*						
13C9PFNA	*Surrogate: M9PFNA*	*133 %*	PFSu-H		*40-130*						
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*92.2 %*			*40-130*						
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*109 %*			*40-130*						
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*109 %*			*40-130*						
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*113 %*			*8-130*						
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*98.7 %*			*35-130*						
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*119 %*			*40-130*						

EIS recovery high - qual UJ,IS

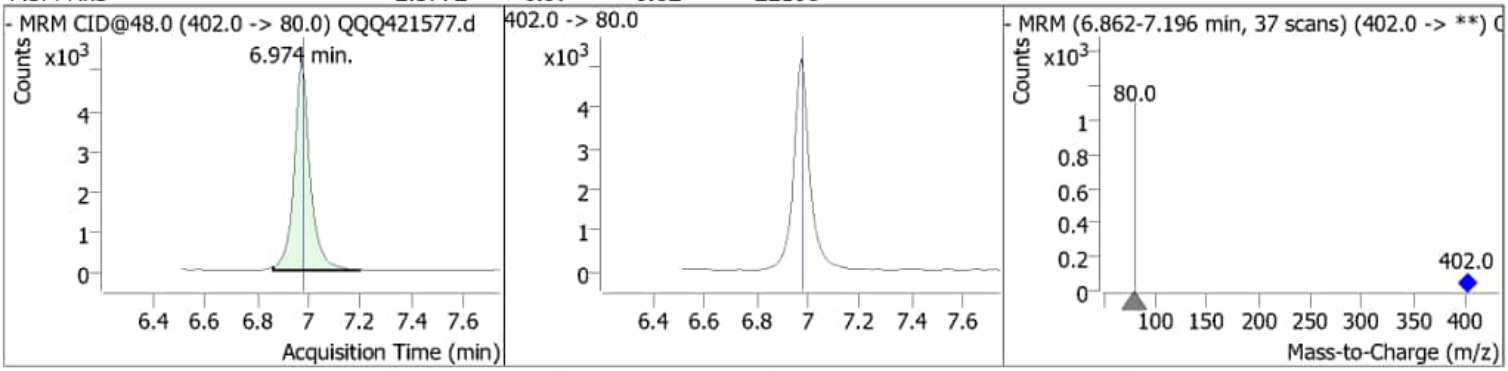
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.9711	6.88	-0.02	140295				



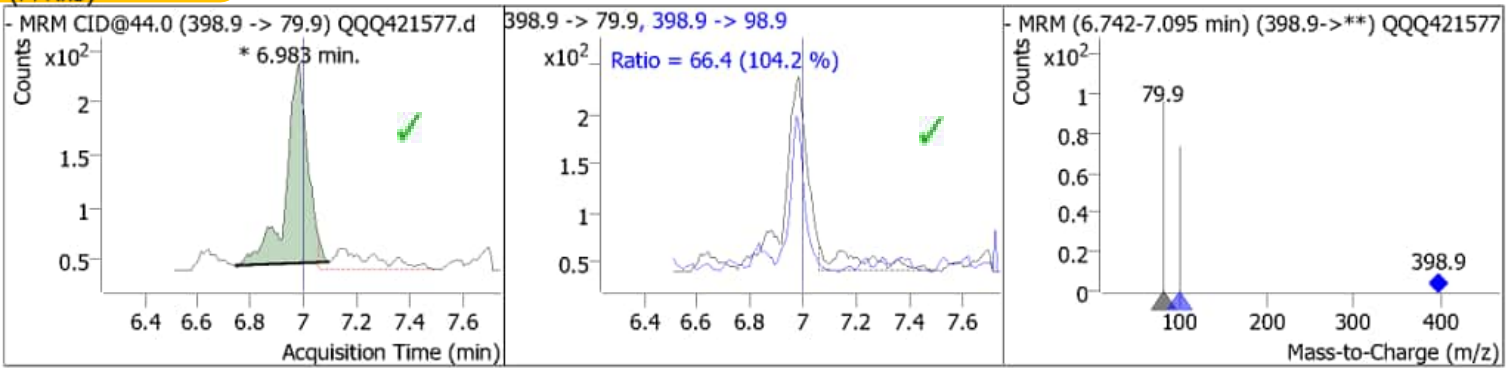
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorooctanoic acid (PFOA)	0.0360	6.88	-0.02	824	413.0 -> 168.9	29.7	26.3	39.4



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
M3PFHxS	2.5772	6.97	-0.02	22100				

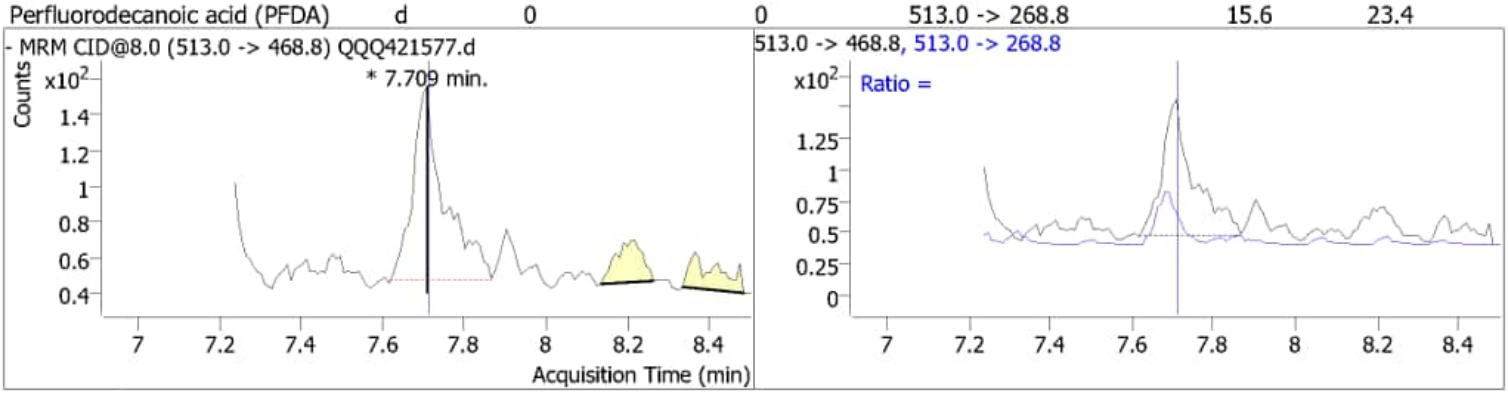


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorohexanesulfonic acid (PFHxS)	0.0799	6.98	-0.01	1086 (m)	398.9 -> 98.9	66.4	51.0	76.5

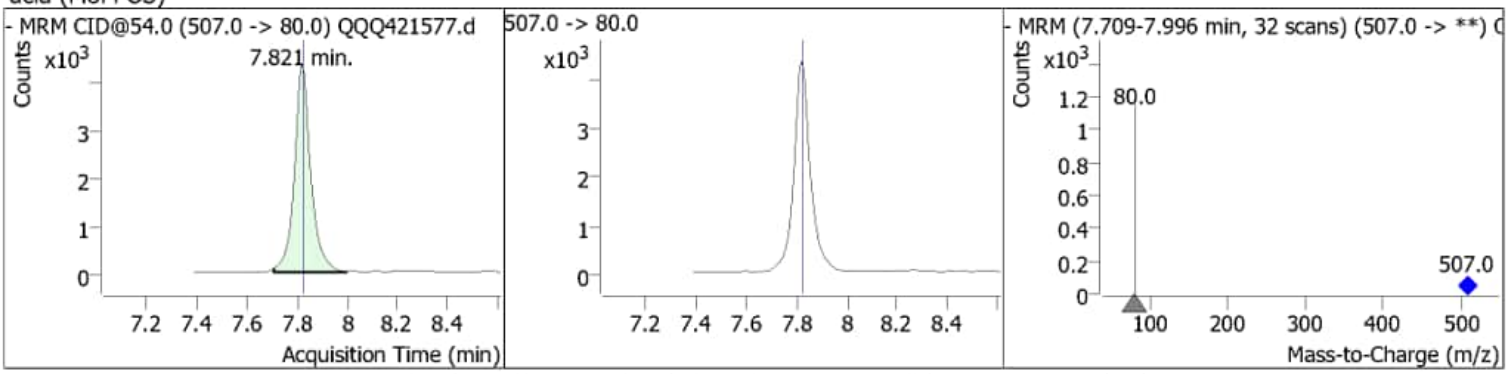


Quantitation Results Report (QT Reviewed)

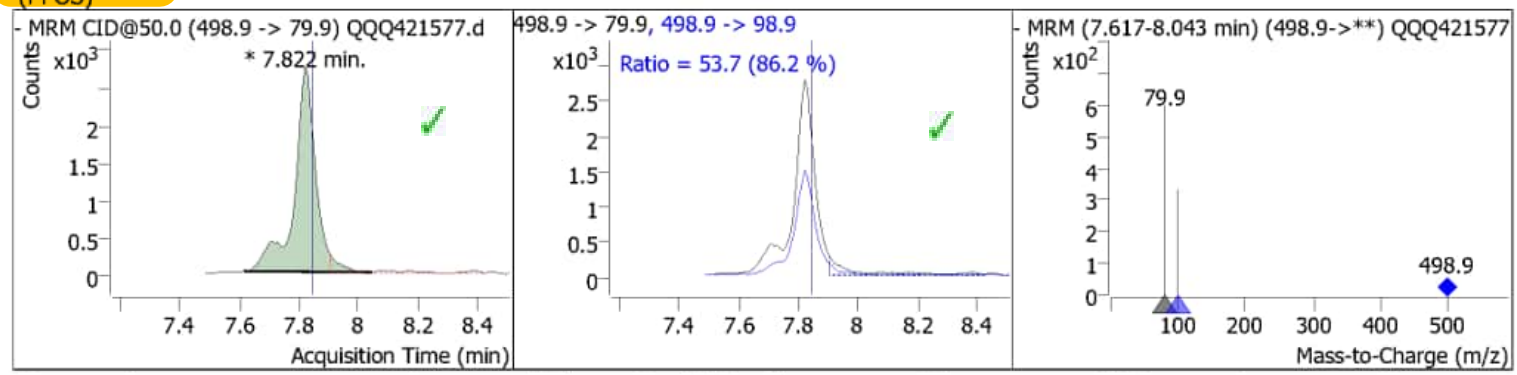
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorodecanoic acid (PFDA)	d	0		0	513.0 -> 268.8		15.6	23.4



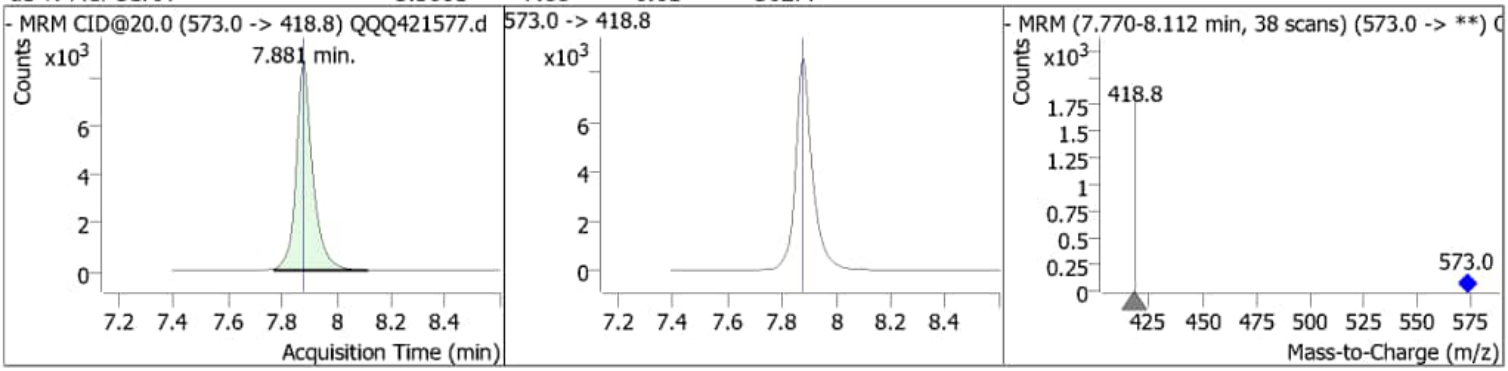
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.6151	7.82	-0.02	19372				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Perfluorooctanesulfonic acid (PFOS)	1.1291	7.82	-0.02	13701 (m)	498.9 -> 98.9	53.7	49.9	74.8



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
d3-N-MeFOSAA	5.3601	7.88	-0.01	36277				



Batch Supplementary Data

Agilent | Trusted Answers

Batch Data Path File Name	D:\MassHunter\Data\PFAS\QuantResults\2025-09-07A-1633Final.batch.bin		
Analysis Time Stamp	9/8/2025 3:59:37 PM	**Analyst Name**	CORP\NARCM.UserPFAS
Report Generation Time	9/8/2025 4:13:03 PM	**Report Generator Name**	CORP\NARCM.UserPFAS
Calibration Last Updated Time Stamp	8/28/2025 4:05:26 PM	**Batch State**	Processed
Analyze Quant Version	11.1	**Report Quant Version**	11.1
Acq. Date-Time	9/8/2025 1:57:48 AM	**Data File**	QQQ421577.d
Sample Type	Sample	**Sampe Name**	25H1535-10RE1
Dil.	1	**Acq. Method File**	ACQ_QQQ4_EPA1633Final_revA_2025-08-26.m

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.028	103279	7128	0.865			0.77			1659.15
Perfluoro-n-butanoic acid (PFBA)	3.080	0	0	0.000			1.00			0.00
PFMPA	4.067	0	0	0.000			1.00			0.00
3:3FTCA	4.527	0	0	0.000			1.00			0.00
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)	4.910	87413	18042	0.351			1.13			6779.25
Perfluoro-n-pentanoic acid (PFPeA)	4.912	0	0	0.000			1.00			0.00
PFMBA	5.243	0	0	0.000			1.00			0.00
M2-4-2FTS	5.570	9125	2019	0.294			1.07			456.69
1H,1H,2H,2H-perfluoro-1-hexanesulfonate (4 2FTS)	5.607	44	13	0.138			0.80			133.64
NFDHA	5.733	0	0	0.000			1.00			0.00
Perfluorobutanesulfonic acid (PFBS)	5.769	0	0	0.000			1.00			0.00
M3PFBS	5.749	25364	5529	0.333			1.16			556.03
M5PFHxA	5.792	91370	20815	0.333			1.11			3738.28
Perfluorohexanoic acid (PFHxA)	5.794	649	175	0.150			0.76			13.96
M3-HFPO-DA	6.047	28648	6467	0.332			1.40			522.94
HFPO-DA	6.140	0	0	0.000			1.00			0.00
PFEESA	6.117	0	0	0.000			1.00			0.00
5-3FTCA	6.356	0	0	0.000			1.00			0.00
M4PFHpA	6.400	33701	7946	0.288			1.17			8273.02
Perfluoroheptanoic acid (PFHpA)	6.400	369	126	0.121			1.70			4.62
Perfluoro-1-pentanesulfonate (L-PFPeS)	6.392	0	0	0.000			1.00			0.00
ADONA	6.595	0	0	0.000			1.00			0.00
M2-6-2FTS	6.683	15618	3619	0.333			1.37			16354.32

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
1H,1H,2H,2H-perfluoro-1-octanesulfonate (6 2FTS)	6.711	11	5	0.110			1.21			44.09
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	6.879	140295	33306	0.335			1.32			121804.74
Perfluorooctanoic acid (PFOA)	6.880	824	208	0.242			1.00			41.01
M3PFHxS	6.974	22100	5162	0.334			1.16			998.38
Perfluorohexanesulfonic acid (PFHxS)	6.983	1086	191	0.353			0.56			190.76
TDCA	7.098	0	0	0.000			1.00			0.00
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)	7.302	57017	13608	0.334			1.27			13608.03
Perfluorononanoic acid (PFNA)	7.312	552	133	0.167			0.92			28.77
Perfluoro-1-heptanesulfonate (L-PFHpS)	7.851	0	0	0.000			1.00			0.00
1H,1H,2H,2H-perfluoro-1-decanesulfonate (8 2FTS)	7.503	33	14	0.111			1.23			251.61
M2-8-2FTS	7.503	15241	3484	0.287			1.27			16259.34
7-3FTCA	7.536	0	0	0.000			1.00			0.00
M6PFDA	7.689	44557	10090	0.315			1.37			45550.13
Perfluorodecanoic acid (PFDA)	7.709	0	0	0.000			1.00			0.00
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	7.821	19372	4308	0.286			1.24			1079.50
Perfluorooctanesulfonic acid (PFOS)	7.822	13701	2718	0.426			0.57			2717.89
d3-N-MeFOSAA	7.881	36277	8522	0.342			1.27			12470.64
N-MeFOSAA	8.271	27	4	0.343			0.09			4.13
d5-N-EtFOSAA	8.056	29729	6816	0.287			1.47			147.43
N-EtFOSAA	8.065	0	0	0.000			1.00			0.00
M7PFUdA	8.075	60240	13725	0.296			1.07			46871.43
Perfluoroundecanoic acid (PFUnA)	8.067	1984	433	0.211			1.83			27.39
9-Cl-PF3ONS	8.123	0	0	0.000			1.00			0.00
Perfluorononanesulfonate (L-PFNS)	8.198	197	34	0.192			1.41			5.45
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.432	63665	14024	0.350			1.17			42529.27
Perfluorododecanoic acid (PFDoA)	8.433	0	0	0.000			1.00			0.00
Perfluoro-1-decanesulfonate (L-PFDS)	8.545	23	10	0.081			1.31			6.34
Perfluorotridecanoic acid (PFTrDA)	8.783	0	0	0.000			1.00			0.00

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
11-Cl-PF3OUdS	9.199	0	0	0.000			1.00			0.00
M2PFTeDA	9.131	53940	12267	0.294			1.10			23067.94
Perfluorotetradecanoic acid (PFTA)	9.122	0	0	0.000			1.00			0.00
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	9.239	37481	9032	0.321			1.54			21101.45
Perfluoro-1-octanesulfonamide (FOSA)	9.240	155	34	0.193			1.67			100.73
Perfluorododecanesulfonic acid (PFDoS)	9.207	19	5	0.127			1.86			3.43
d7-NMeFOSE	10.372	69811	17113	0.285			1.27			3067.80
NMeFOSE	10.392	0	0	0.000			1.00			0.00
d3-NMeFOSA	10.515	2711	686	0.266			1.31			305.68
NMeFOSA	10.480	0	0	0.000			1.00			0.00
d9-NEtFOSE	10.664	62363	15161	0.321			1.58			1629.37
NEtFOSE	10.684	0	0	0.000			1.00			0.00
d5-NEtFOSA	10.796	2384	615	0.274			1.54			614.88
NEtFOSA	10.696	1	1	0.032			0.24			10.04

1006

Clean Blank ✓

Sample Information

no evaluation of FB in this report - only results used

Client Sample ID: Field Blank

Sample ID: 25H1535-12

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 2:30 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
763051-92-9	11CL-PF3OUdS	ND		ng/L	8.17	2.41	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	8.30	2.43	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	8.10	3.05	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	8.21	5.40	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	54.0	24.9	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	54.0	27.0	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	10.8	2.55	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	8.08	2.97	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
919005-14-4	ADONA	ND		ng/L	8.17	3.21	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
13252-13-6	HFPO-DA (Gen-X)	ND	PF-CCV-L, PF-LCS-L	ng/L	8.64	5.40	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
4151-50-2	N-EtFOSA	ND		ng/L	2.16	1.13	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
2991-50-6	N-EtFOSAA	ND		ng/L	5.40	5.40	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
1691-99-2	N-EtFOSE	ND		ng/L	21.6	7.87	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
31506-32-8	N-MeFOSA	ND		ng/L	2.16	2.16	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
2355-31-9	N-MeFOSAA	ND		ng/L	2.16	0.540	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
24448-09-7	N-MeFOSE	ND		ng/L	21.6	7.67	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	3.85	0.540	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.09	0.670	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.06	0.335	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND	PF-LCS-L	ng/L	2.07	0.810	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.16	0.400	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	2.03	0.810	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	4.32	3.24	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	4.32	0.756	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	4.32	1.51	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.91	1.73	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	2.16	0.616	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	2.10	0.962	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.16	0.648	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	2.16	0.756	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM

Clean Blank

no evaluation of FB in this report - only results used

Sample Information

Client Sample ID: **Field Blank**

Sample ID: **25H1535-12**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 2:30 pm	08/21/2025

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.98	0.962	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	2.16	0.540	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	8.64	1.76	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	2.16	1.07	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	2.01	0.821	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	2.16	1.08	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	4.32	0.962	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.16	1.71	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.16	1.30	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.16	0.767	1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
1180-95-6	* Taurodeoxycholic Acid (TDCA)	0.00		ng/L			1	EPA 1633A	09/04/2025 15:14	09/05/2025 12:40	AM
D3-NMEFOSAA	*Surrogate: d3-N-MeFOSAA*	*119 %*			*40-170*						
D5-NETFOSAA	*Surrogate: d5-N-EtFOSAA*	*120 %*			*25-135*						
D7-NMEPFOSA	*Surrogate: d7-N-MeFOSE*	*87.2 %*			*10-130*						
D9-NETPFOSAI	*Surrogate: d9-N-EtFOSE*	*89.3 %*			*10-130*						
936109-40-9	*Surrogate: d-N-EtFOSA*	*83.7 %*			*10-130*						
936109-37-4	*Surrogate: d-N-MeFOSA*	*100 %*			*10-130*						
M2-4:2FTS	*Surrogate: M2-4:2 FTS*	*41.8 %*			*40-200*						
M2-6:2FTS	*Surrogate: M2-6:2 FTS*	*49.1 %*			*40-200*						
M2-8:2FTS	*Surrogate: M2-8:2 FTS*	*53.7 %*			*40-300*						
13C2PFTEDA	*Surrogate: M2PFTeDA*	*85.4 %*			*10-130*						
M3HFPO-DA	*Surrogate: M3HFPO-DA*	*136 %*	PFSu-H		*40-130*						
M3PFBS	*Surrogate: M3PFBS*	*136 %*	PFSu-H		*40-135*						
13C3PFHXS	*Surrogate: M3PFHxS*	*124 %*			*40-130*						
13C4PFHPA	*Surrogate: M4PFHpA*	*126 %*			*40-130*						
2328025-54-8	*Surrogate: M5PFHxA*	*115 %*			*40-130*						
13C6PFDA	*Surrogate: M6PFDA*	*121 %*			*40-130*						
13C7PFUNA	*Surrogate: M7PFUdA*	*112 %*			*30-130*						
13C9PFNA	*Surrogate: M9PFNA*	*168 %*	PFSu-H		*40-130*						
13C8FOSA	*Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)*	*109 %*			*40-130*						
13C8PFOS	*Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)*	*126 %*			*40-130*						
960315-52-0	*Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)*	*99.9 %*			*10-130*						
13C4PFBA	*Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)*	*132 %*	PFSu-H		*5-130*						
13C5PFPEA	*Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)*	*116 %*			*40-130*						
13C8PFOA	*Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)*	*139 %*	PFSu-H		*40-130*						

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0533	Instrument:	QQQ4
Batch:	BI50241	Calibration:	SH50063

Surrogate Compound	Spike Level ng/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (BI50241-BLK1)			Lab File ID: QQQ421449.d		Analyzed: 09/05/25 11:38			
M3PFBS	23.3	140	40 - 135	5.795434	5.879787	-0.0844	+/-0.50	*
M5PFHxA	25.0	113	40 - 130	5.82895	5.899858	-0.0709	+/-0.50	
M4PFHpA	25.0	116	40 - 130	6.437583	6.507434	-0.0699	+/-0.50	
M3PFHxS	23.7	127	40 - 130	7.0196	7.100925	-0.0813	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	25.0	132	40 - 130	6.924917	6.992727	-0.0678	+/-0.50	*
M6PFDA	12.5	130	40 - 130	7.7457	7.815094	-0.0694	+/-0.50	
M7PFUdA	12.5	119	30 - 130	8.12125	8.195725	-0.0745	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	12.5	114	10 - 130	8.487817	8.570442	-0.0826	+/-0.50	
M2PFTeDA	12.5	107	10 - 130	9.185933	9.267546	-0.0816	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	100	133	5 - 130	3.174317	3.330342	-0.1560	+/-0.50	*
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	24.0	124	40 - 130	7.876117	7.958965	-0.0828	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	50.0	117	40 - 130	4.947033	5.02504	-0.0780	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	25.0	107	40 - 130	9.257133	9.312296	-0.0552	+/-0.50	
d3-N-MeFOSAA	50.0	113	40 - 170	7.917383	7.972625	-0.0552	+/-0.50	
d5-N-EtFOSAA	50.0	114	25 - 135	8.0924	8.150069	-0.0577	+/-0.50	
M2-6:2 FTS	47.6	45.8	40 - 200	6.729283	6.792652	-0.0634	+/-0.50	
M2-8:2 FTS	48.0	55.2	40 - 300	7.549067	7.614275	-0.0652	+/-0.50	
M9PFNA	12.5	160	40 - 130	7.347917	7.416027	-0.0681	+/-0.50	*
M2-4:2 FTS	46.9	45.0	40 - 200	5.597567	5.669971	-0.0724	+/-0.50	
d-N-MeFOSA	25.0	100	10 - 130	10.51457	10.55139	-0.0368	+/-0.50	
d-N-EtFOSA	25.0	86.8	10 - 130	10.8056	10.83668	-0.0311	+/-0.50	
M3HFPO-DA	100	130	40 - 130	6.093233	6.163456	-0.0702	+/-0.50	
d9-N-EtFOSE	250	97.3	10 - 130	10.6734	10.70103	-0.0276	+/-0.50	
d7-N-MeFOSE	250	95.6	10 - 130	10.37227	10.4045	-0.0322	+/-0.50	

no qual for QC samples



FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0533	Instrument:	QQQ4
Batch:	BI50241	Calibration:	SH50063

Surrogate Compound	Spike Level ng/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI50241-BS1)			Lab File ID: QQQ421450.d		Analyzed: 09/05/25 11:54			
M3PFBS	23.3	141	40 - 135	5.795434	5.879787	-0.0844	+/-0.50	*
M5PFHxA	25.0	112	40 - 130	5.82895	5.899858	-0.0709	+/-0.50	
M4PFHpA	25.0	124	40 - 130	6.437583	6.507434	-0.0699	+/-0.50	
M3PFHxS	23.7	129	40 - 130	7.0288	7.100925	-0.0721	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	25.0	138	40 - 130	6.9249	6.992727	-0.0678	+/-0.50	*
M6PFDA	12.5	124	40 - 130	7.7457	7.815094	-0.0694	+/-0.50	
M7PFUdA	12.5	121	30 - 130	8.112033	8.195725	-0.0837	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	12.5	113	10 - 130	8.4878	8.570442	-0.0826	+/-0.50	
M2PFTeDA	12.5	91.1	10 - 130	9.185933	9.267546	-0.0816	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	100	133	5 - 130	3.137617	3.330342	-0.1927	+/-0.50	*
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	24.0	135	40 - 130	7.8761	7.958965	-0.0829	+/-0.50	*
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	50.0	114	40 - 130	4.947033	5.02504	-0.0780	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	25.0	114	40 - 130	9.257133	9.312296	-0.0552	+/-0.50	
d3-N-MeFOSAA	50.0	119	40 - 170	7.908183	7.972625	-0.0644	+/-0.50	
d5-N-EtFOSAA	50.0	123	25 - 135	8.0832	8.150069	-0.0669	+/-0.50	
M2-6:2 FTS	47.6	42.7	40 - 200	6.729283	6.792652	-0.0634	+/-0.50	
M2-8:2 FTS	48.0	54.1	40 - 300	7.54905	7.614275	-0.0652	+/-0.50	
M9PFNA	12.5	160	40 - 130	7.347917	7.416027	-0.0681	+/-0.50	*
M2-4:2 FTS	46.9	43.8	40 - 200	5.597567	5.669971	-0.0724	+/-0.50	
d-N-MeFOSA	25.0	107	10 - 130	10.51457	10.55139	-0.0368	+/-0.50	
d-N-EtFOSA	25.0	95.7	10 - 130	10.8056	10.83668	-0.0311	+/-0.50	
M3HFPO-DA	100	130	40 - 130	6.093233	6.163456	-0.0702	+/-0.50	
d9-N-EtFOSE	250	99.8	10 - 130	10.67338	10.70103	-0.0276	+/-0.50	
d7-N-MeFOSE	250	99.4	10 - 130	10.37227	10.4045	-0.0322	+/-0.50	

no qual for QC samples

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0533	Instrument:	QQQ4
Batch:	BI50241	Calibration:	SH50063

Surrogate Compound	Spike Level ng/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI50241-BS2)			Lab File ID: QQQ421451.d		Analyzed: 09/05/25 12:09			
M3PFBS	23.3	136	40 - 135	5.795434	5.879787	-0.0844	+/-0.50	*
M5PFHxA	25.0	106	40 - 130	5.82895	5.899858	-0.0709	+/-0.50	
M4PFHpA	25.0	110	40 - 130	6.4468	6.507434	-0.0606	+/-0.50	
M3PFHxS	23.7	127	40 - 130	7.0288	7.100925	-0.0721	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	25.0	126	40 - 130	6.924917	6.992727	-0.0678	+/-0.50	
M6PFDA	12.5	127	40 - 130	7.7457	7.815094	-0.0694	+/-0.50	
M7PFUdA	12.5	115	30 - 130	8.121233	8.195725	-0.0745	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	12.5	108	10 - 130	8.4878	8.570442	-0.0826	+/-0.50	
M2PFTeDA	12.5	81.2	10 - 130	9.185933	9.267546	-0.0816	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	100	127	5 - 130	3.155967	3.330342	-0.1744	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	24.0	118	40 - 130	7.8761	7.958965	-0.0829	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	50.0	108	40 - 130	4.947033	5.02504	-0.0780	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	25.0	90.7	40 - 130	9.257133	9.312296	-0.0552	+/-0.50	
d3-N-MeFOSAA	50.0	116	40 - 170	7.917383	7.972625	-0.0552	+/-0.50	
d5-N-EtFOSAA	50.0	122	25 - 135	8.0924	8.150069	-0.0577	+/-0.50	
M2-6:2 FTS	47.6	45.5	40 - 200	6.729283	6.792652	-0.0634	+/-0.50	
M2-8:2 FTS	48.0	52.5	40 - 300	7.54905	7.614275	-0.0652	+/-0.50	
M9PFNA	12.5	159	40 - 130	7.347917	7.416027	-0.0681	+/-0.50	*
M2-4:2 FTS	46.9	43.7	40 - 200	5.606767	5.669971	-0.0632	+/-0.50	
d-N-MeFOSA	25.0	99.9	10 - 130	10.51457	10.55139	-0.0368	+/-0.50	
d-N-EtFOSA	25.0	88.9	10 - 130	10.80558	10.83668	-0.0311	+/-0.50	
M3HFPO-DA	100	116	40 - 130	6.093233	6.163456	-0.0702	+/-0.50	
d9-N-EtFOSE	250	91.8	10 - 130	10.67338	10.70103	-0.0276	+/-0.50	
d7-N-MeFOSE	250	89.4	10 - 130	10.37227	10.4045	-0.0322	+/-0.50	

no qual for QC samples

Field Blank not validated - no eval

FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0533	Instrument:	QQQ4
Batch:	BI50241	Calibration:	SH50063

Surrogate Compound	Spike Level ng/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Field Blank (25H1535-12)			Lab File ID: QQQ421469.d		Analyzed: 09/05/25 12:40			
M3PFBS	25.2	136	40 - 135	5.795434	5.879787	-0.0844	+/-0.50	*
M5PFHxA	27.0	115	40 - 130	5.82895	5.899858	-0.0709	+/-0.50	
M4PFHpA	27.0	126	40 - 130	6.437583	6.507434	-0.0699	+/-0.50	
M3PFHxS	25.6	124	40 - 130	7.0288	7.100925	-0.0721	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	27.0	139	40 - 130	6.9249	6.992727	-0.0678	+/-0.50	*
M6PFDA	13.5	121	40 - 130	7.7457	7.815094	-0.0694	+/-0.50	
M7PFUdA	13.5	112	30 - 130	8.112033	8.195725	-0.0837	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	13.5	99.9	10 - 130	8.487817	8.570442	-0.0826	+/-0.50	
M2PFTeDA	13.5	85.4	10 - 130	9.17675	9.267546	-0.0908	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	108	132	5 - 130	3.174317	3.330342	-0.1560	+/-0.50	*
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	25.9	126	40 - 130	7.8761	7.958965	-0.0829	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	54.0	116	40 - 130	4.947033	5.02504	-0.0780	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	27.0	109	40 - 130	9.257133	9.312296	-0.0552	+/-0.50	
d3-N-MeFOSAA	54.0	119	40 - 170	7.908167	7.972625	-0.0645	+/-0.50	
d5-N-EtFOSAA	54.0	120	25 - 135	8.083183	8.150069	-0.0669	+/-0.50	
M2-6:2 FTS	51.4	49.1	40 - 200	6.729283	6.792652	-0.0634	+/-0.50	
M2-8:2 FTS	51.9	53.7	40 - 300	7.54905	7.614275	-0.0652	+/-0.50	
M9PFNA	13.5	168	40 - 130	7.347917	7.416027	-0.0681	+/-0.50	*
M2-4:2 FTS	50.7	41.8	40 - 200	5.597567	5.669971	-0.0724	+/-0.50	
d-N-MeFOSA	27.0	100	10 - 130	10.52375	10.55139	-0.0276	+/-0.50	
d-N-EtFOSA	27.0	83.7	10 - 130	10.80558	10.83668	-0.0311	+/-0.50	
M3HFPO-DA	108	136	40 - 130	6.093233	6.163456	-0.0702	+/-0.50	*
d9-N-EtFOSE	270	89.3	10 - 130	10.67338	10.70103	-0.0276	+/-0.50	
d7-N-MeFOSE	270	87.2	10 - 130	10.37227	10.4045	-0.0322	+/-0.50	

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0837	Instrument:	QQQ4
Batch:	BI50372	Calibration:	SH50063

Surrogate Compound	Spike Level ug/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI50372-BS1)			Lab File ID: QQQ421541.d		Analyzed: 09/07/25 16:46			
M3PFBS	2.33	121	40 - 135	5.767867	5.879787	-0.1119	+/-0.50	
M5PFHxA	2.50	103	40 - 130	5.801383	5.899858	-0.0985	+/-0.50	
M4PFHpA	2.50	120	40 - 130	6.409	6.507434	-0.0984	+/-0.50	
M3PFHxS	2.37	112	40 - 130	6.9828	7.100925	-0.1181	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	121	40 - 130	6.8881	6.992727	-0.1046	+/-0.50	
M6PFDA	1.25	116	40 - 130	7.708367	7.815094	-0.1067	+/-0.50	
M7PFUdA	1.25	115	40 - 130	8.075216	8.195725	-0.1205	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	114	40 - 130	8.441816	8.570442	-0.1286	+/-0.50	
M2PFTeDA	1.25	104	20 - 130	9.14	9.267546	-0.1275	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	117	8 - 130	3.09175	3.330342	-0.2386	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	121	40 - 130	7.839283	7.958965	-0.1197	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	99.2	35 - 130	4.9195	5.02504	-0.1055	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	97.8	40 - 130	9.24795	9.312296	-0.0643	+/-0.50	
d3-N-MeFOSAA	5.00	112	40 - 135	7.889767	7.972625	-0.0829	+/-0.50	
d5-N-EtFOSAA	5.00	106	40 - 150	8.064783	8.150069	-0.0853	+/-0.50	
M2-6:2 FTS	4.76	40.8	40 - 215	6.692483	6.792652	-0.1002	+/-0.50	
M2-8:2 FTS	4.80	47.6	40 - 275	7.51225	7.614275	-0.1020	+/-0.50	
M9PFNA	1.25	142	40 - 130	7.311333	7.416027	-0.1047	+/-0.50	*
M2-4:2 FTS	4.69	36.9	40 - 165	5.569967	5.669971	-0.1000	+/-0.50	*
d-N-MeFOSA	2.50	96.3	10 - 130	10.51457	10.55139	-0.0368	+/-0.50	
d-N-EtFOSA	2.50	99.0	10 - 130	10.79642	10.83668	-0.0403	+/-0.50	
M3HFPO-DA	10.0	122	40 - 130	6.06565	6.163456	-0.0978	+/-0.50	
d9-N-EtFOSE	25.0	114	15 - 130	10.66422	10.70103	-0.0368	+/-0.50	
d7-N-MeFOSE	25.0	105	20 - 130	10.37227	10.4045	-0.0322	+/-0.50	

no qual for QC samples

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0837	Instrument:	QQQ4
Batch:	BI50372	Calibration:	SH50063

Surrogate Compound	Spike Level ug/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (BI50372-BLK1)			Lab File ID: QQQ421542.d		Analyzed: 09/07/25 17:01			
M3PFBS	2.33	116	40 - 135	5.758733	5.879787	-0.1211	+/-0.50	
M5PFHxA	2.50	102	40 - 130	5.801434	5.899858	-0.0984	+/-0.50	
M4PFHpA	2.50	116	40 - 130	6.40905	6.507434	-0.0984	+/-0.50	
M3PFHxS	2.37	110	40 - 130	6.98285	7.100925	-0.1181	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	122	40 - 130	6.88815	6.992727	-0.1046	+/-0.50	
M6PFDA	1.25	109	40 - 130	7.6987	7.815094	-0.1164	+/-0.50	
M7PFUdA	1.25	110	40 - 130	8.075267	8.195725	-0.1205	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	108	40 - 130	8.441867	8.570442	-0.1286	+/-0.50	
M2PFTeDA	1.25	97.8	20 - 130	9.140034	9.267546	-0.1275	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	114	8 - 130	3.07345	3.330342	-0.2569	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	112	40 - 130	7.830117	7.958965	-0.1288	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	96.7	35 - 130	4.91955	5.02504	-0.1055	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	96.4	40 - 130	9.2388	9.312296	-0.0735	+/-0.50	
d3-N-MeFOSAA	5.00	102	40 - 135	7.8806	7.972625	-0.0920	+/-0.50	
d5-N-EtFOSAA	5.00	102	40 - 150	8.055634	8.150069	-0.0944	+/-0.50	
M2-6:2 FTS	4.76	44.3	40 - 215	6.692533	6.792652	-0.1001	+/-0.50	
M2-8:2 FTS	4.80	50.5	40 - 275	7.512283	7.614275	-0.1020	+/-0.50	
M9PFNA	1.25	140	40 - 130	7.311383	7.416027	-0.1046	+/-0.50	*
M2-4:2 FTS	4.69	38.1	40 - 165	5.570017	5.669971	-0.1000	+/-0.50	*
d-N-MeFOSA	2.50	90.5	10 - 130	10.5146	10.55139	-0.0368	+/-0.50	
d-N-EtFOSA	2.50	92.1	10 - 130	10.79645	10.83668	-0.0402	+/-0.50	
M3HFPO-DA	10.0	116	40 - 130	6.0565	6.163456	-0.1070	+/-0.50	
d9-N-EtFOSE	25.0	109	15 - 130	10.66425	10.70103	-0.0368	+/-0.50	
d7-N-MeFOSE	25.0	99.7	20 - 130	10.36313	10.4045	-0.0414	+/-0.50	

no qual for QC samples

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0837	Instrument:	QQQ4
Batch:	BI50372	Calibration:	SH50063

Surrogate Compound	Spike Level ug/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI50372-BS2)			Lab File ID: QQQ421543.d		Analyzed: 09/07/25 17:17			
M3PFBS	2.33	117	40 - 135	5.758683	5.879787	-0.1211	+/-0.50	
M5PFHxA	2.50	92.5	40 - 130	5.801383	5.899858	-0.0985	+/-0.50	
M4PFHpA	2.50	111	40 - 130	6.409	6.507434	-0.0984	+/-0.50	
M3PFHxS	2.37	105	40 - 130	6.9828	7.100925	-0.1181	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	109	40 - 130	6.8881	6.992727	-0.1046	+/-0.50	
M6PFDA	1.25	106	40 - 130	7.698633	7.815094	-0.1165	+/-0.50	
M7PFUdA	1.25	103	40 - 130	8.075216	8.195725	-0.1205	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	93.0	40 - 130	8.441816	8.570442	-0.1286	+/-0.50	
M2PFTeDA	1.25	86.6	20 - 130	9.14	9.267546	-0.1275	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	107	8 - 130	3.082583	3.330342	-0.2478	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	99.6	40 - 130	7.830067	7.958965	-0.1289	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	89.7	35 - 130	4.9195	5.02504	-0.1055	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	85.9	40 - 130	9.24795	9.312296	-0.0643	+/-0.50	
d3-N-MeFOSAA	5.00	95.9	40 - 135	7.88975	7.972625	-0.0829	+/-0.50	
d5-N-EtFOSAA	5.00	95.9	40 - 150	8.064783	8.150069	-0.0853	+/-0.50	
M2-6:2 FTS	4.76	44.3	40 - 215	6.692483	6.792652	-0.1002	+/-0.50	
M2-8:2 FTS	4.80	46.9	40 - 275	7.512233	7.614275	-0.1020	+/-0.50	
M9PFNA	1.25	127	40 - 130	7.311316	7.416027	-0.1047	+/-0.50	
M2-4:2 FTS	4.69	35.9	40 - 165	5.569967	5.669971	-0.1000	+/-0.50	*
d-N-MeFOSA	2.50	80.5	10 - 130	10.51457	10.55139	-0.0368	+/-0.50	
d-N-EtFOSA	2.50	88.0	10 - 130	10.79642	10.83668	-0.0403	+/-0.50	
M3HFPO-DA	10.0	110	40 - 130	6.05645	6.163456	-0.1070	+/-0.50	
d9-N-EtFOSE	25.0	97.3	15 - 130	10.66422	10.70103	-0.0368	+/-0.50	
d7-N-MeFOSE	25.0	87.4	20 - 130	10.37227	10.4045	-0.0322	+/-0.50	

no qual for QC samples

EIS RECOVERIES EVALUATED
WITH SAMPLE RESULTS ✓

FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0837	Instrument:	QQQ4
Batch:	BI50372	Calibration:	SH50063

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
HVAC SW North-S-1 (25H1535-01RE1)			Lab File ID: QQQ421564.d		Analyzed: 09/07/25 22:38			
M3PFBS	2.57	124	40 - 135	5.758717	5.879787	-0.1211	+/-0.50	
M5PFHxA	2.76	91.3	40 - 130	5.792233	5.899858	-0.1076	+/-0.50	
M4PFHpA	2.76	100	40 - 130	6.399833	6.507434	-0.1076	+/-0.50	
M3PFHxS	2.62	110	40 - 130	6.97365	7.100925	-0.1273	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.76	111	40 - 130	6.87895	6.992727	-0.1138	+/-0.50	
M6PFDA	1.38	103	40 - 130	7.689466	7.815094	-0.1256	+/-0.50	
M7PFUdA	1.38	103	40 - 130	8.06605	8.195725	-0.1297	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.38	98.9	40 - 130	8.4231	8.570442	-0.1473	+/-0.50	
M2PFTeDA	1.38	90.5	20 - 130	9.12165	9.267546	-0.1459	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.0	105	8 - 130	3.045917	3.330342	-0.2844	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.65	112	40 - 130	7.820917	7.958965	-0.1380	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.52	90.2	35 - 130	4.91035	5.02504	-0.1147	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.76	92.8	40 - 130	9.2388	9.312296	-0.0735	+/-0.50	
d3-N-MeFOSAA	5.52	114	40 - 135	7.8714	7.972625	-0.1012	+/-0.50	
d5-N-EtFOSAA	5.52	116	40 - 150	8.055616	8.150069	-0.0945	+/-0.50	
M2-6:2 FTS	5.25	57.2	40 - 215	6.683317	6.792652	-0.1093	+/-0.50	
M2-8:2 FTS	5.30	62.4	40 - 275	7.493866	7.614275	-0.1204	+/-0.50	
M9PFNA	1.38	127	40 - 130	7.302166	7.416027	-0.1139	+/-0.50	
M2-4:2 FTS	5.18	46.3	40 - 165	5.560833	5.669971	-0.1091	+/-0.50	
d-N-MeFOSA	2.76	75.6	10 - 130	10.5146	10.55139	-0.0368	+/-0.50	
d-N-EtFOSA	2.76	69.8	10 - 130	10.79645	10.83668	-0.0402	+/-0.50	
M3HFPO-DA	11.0	106	40 - 130	6.0565	6.163456	-0.1070	+/-0.50	
d9-N-EtFOSE	27.6	69.4	15 - 130	10.66425	10.70103	-0.0368	+/-0.50	
d7-N-MeFOSE	27.6	68.4	20 - 130	10.36312	10.4045	-0.0414	+/-0.50	
M5PFHxA	2.76	91.3	40 - 130	5.792233	5.899858	-0.1076	+/-0.50	



EIS RECOVERIES EVALUATED
WITH SAMPLE RESULTS

FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0837	Instrument:	QQQ4
Batch:	BI50372	Calibration:	SH50063

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
HVAC SW South-S-1 (25H1535-02RE1)			Lab File ID: QQQ421565.d		Analyzed: 09/07/25 22:54			
M3PFBS	2.57	117	40 - 135	5.749483	5.879787	-0.1303	+/-0.50	
M5PFHxA	2.76	93.6	40 - 130	5.792183	5.899858	-0.1077	+/-0.50	
M4PFHpA	2.76	104	40 - 130	6.3998	6.507434	-0.1076	+/-0.50	
M3PFHxS	2.62	106	40 - 130	6.9736	7.100925	-0.1273	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.76	113	40 - 130	6.878917	6.992727	-0.1138	+/-0.50	
M6PFDA	1.38	108	40 - 130	7.689433	7.815094	-0.1257	+/-0.50	
M7PFUdA	1.38	106	40 - 130	8.0568	8.195725	-0.1389	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.38	104	40 - 130	8.423067	8.570442	-0.1474	+/-0.50	
M2PFTeDA	1.38	90.3	20 - 130	9.121616	9.267546	-0.1459	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.0	106	8 - 130	3.0367	3.330342	-0.2936	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.65	107	40 - 130	7.820867	7.958965	-0.1381	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.52	90.3	35 - 130	4.910316	5.02504	-0.1147	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.76	90.3	40 - 130	9.238767	9.312296	-0.0735	+/-0.50	
d3-N-MeFOSAA	5.52	107	40 - 135	7.87135	7.972625	-0.1013	+/-0.50	
d5-N-EtFOSAA	5.52	112	40 - 150	8.046217	8.150069	-0.1039	+/-0.50	
M2-6:2 FTS	5.25	50.7	40 - 215	6.683283	6.792652	-0.1094	+/-0.50	
M2-8:2 FTS	5.30	56.8	40 - 275	7.493817	7.614275	-0.1205	+/-0.50	
M9PFNA	1.38	127	40 - 130	7.302117	7.416027	-0.1139	+/-0.50	
M2-4:2 FTS	5.18	38.5	40 - 165	5.560783	5.669971	-0.1092	+/-0.50	*
d-N-MeFOSA	2.76	70.0	10 - 130	10.50538	10.55139	-0.0460	+/-0.50	
d-N-EtFOSA	2.76	66.7	10 - 130	10.7964	10.83668	-0.0403	+/-0.50	
M3HFPO-DA	11.0	106	40 - 130	6.047266	6.163456	-0.1162	+/-0.50	
d9-N-EtFOSE	27.6	72.4	15 - 130	10.6642	10.70103	-0.0368	+/-0.50	
d7-N-MeFOSE	27.6	68.6	20 - 130	10.36308	10.4045	-0.0414	+/-0.50	
M5PFHxA	2.76	93.6	40 - 130	5.792183	5.899858	-0.1077	+/-0.50	



EIS RECOVERIES EVALUATED
WITH SAMPLE RESULTS

FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0837	Instrument:	QQQ4
Batch:	BI50372	Calibration:	SH50063

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
HVAC SW East-S-1 (25H1535-03RE1)			Lab File ID: QQQ421566.d		Analyzed: 09/07/25 23:09			
M3PFBS	2.55	119	40 - 135	5.749483	5.879787	-0.1303	+/-0.50	
M5PFHxA	2.74	94.4	40 - 130	5.792183	5.899858	-0.1077	+/-0.50	
M4PFHpA	2.74	104	40 - 130	6.3998	6.507434	-0.1076	+/-0.50	
M3PFHxS	2.59	108	40 - 130	6.973617	7.100925	-0.1273	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.74	108	40 - 130	6.878917	6.992727	-0.1138	+/-0.50	
M6PFDA	1.37	101	40 - 130	7.689433	7.815094	-0.1257	+/-0.50	
M7PFUdA	1.37	102	40 - 130	8.066016	8.195725	-0.1297	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.37	98.4	40 - 130	8.423067	8.570442	-0.1474	+/-0.50	
M2PFTeDA	1.37	85.0	20 - 130	9.121616	9.267546	-0.1459	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.9	103	8 - 130	3.0367	3.330342	-0.2936	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.62	105	40 - 130	7.820867	7.958965	-0.1381	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.47	89.2	35 - 130	4.910316	5.02504	-0.1147	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.74	83.7	40 - 130	9.238767	9.312296	-0.0735	+/-0.50	
d3-N-MeFOSAA	5.47	98.5	40 - 135	7.87135	7.972625	-0.1013	+/-0.50	
d5-N-EtFOSAA	5.47	97.4	40 - 150	8.046233	8.150069	-0.1038	+/-0.50	
M2-6:2 FTS	5.21	55.2	40 - 215	6.683283	6.792652	-0.1094	+/-0.50	
M2-8:2 FTS	5.26	60.2	40 - 275	7.503033	7.614275	-0.1112	+/-0.50	
M9PFNA	1.37	128	40 - 130	7.302134	7.416027	-0.1139	+/-0.50	
M2-4:2 FTS	5.13	39.2	40 - 165	5.560783	5.669971	-0.1092	+/-0.50	*
d-N-MeFOSA	2.74	66.8	10 - 130	10.51457	10.55139	-0.0368	+/-0.50	
d-N-EtFOSA	2.74	59.8	10 - 130	10.7964	10.83668	-0.0403	+/-0.50	
M3HFPO-DA	10.9	98.7	40 - 130	6.05645	6.163456	-0.1070	+/-0.50	
d9-N-EtFOSE	27.4	74.4	15 - 130	10.6642	10.70103	-0.0368	+/-0.50	
d7-N-MeFOSE	27.4	64.2	20 - 130	10.36308	10.4045	-0.0414	+/-0.50	
M5PFHxA	2.74	94.4	40 - 130	5.792183	5.899858	-0.1077	+/-0.50	

EIS RECOVERIES EVALUATED
WITH SAMPLE RESULTS

FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0837	Instrument:	QQQ4
Batch:	BI50372	Calibration:	SH50063

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
HVAC SW West-S-1 (25H1535-04RE1)			Lab File ID: QQQ421567.d		Analyzed: 09/07/25 23:24			
M3PFBS	2.58	124	40 - 135	5.749483	5.879787	-0.1303	+/-0.50	
M5PFHxA	2.77	89.8	40 - 130	5.792183	5.899858	-0.1077	+/-0.50	
M4PFHpA	2.77	99.5	40 - 130	6.3998	6.507434	-0.1076	+/-0.50	
M3PFHxS	2.63	112	40 - 130	6.9736	7.100925	-0.1273	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.77	108	40 - 130	6.878917	6.992727	-0.1138	+/-0.50	
M6PFDA	1.38	105	40 - 130	7.689433	7.815094	-0.1257	+/-0.50	
M7PFUdA	1.38	109	40 - 130	8.066016	8.195725	-0.1297	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.38	103	40 - 130	8.423067	8.570442	-0.1474	+/-0.50	
M2PFTeDA	1.38	91.6	20 - 130	9.121616	9.267546	-0.1459	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.1	97.2	8 - 130	3.045883	3.330342	-0.2845	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.65	107	40 - 130	7.820867	7.958965	-0.1381	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.54	87.2	35 - 130	4.910316	5.02504	-0.1147	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.77	86.9	40 - 130	9.238767	9.312296	-0.0735	+/-0.50	
d3-N-MeFOSAA	5.54	103	40 - 135	7.87135	7.972625	-0.1013	+/-0.50	
d5-N-EtFOSAA	5.54	97.3	40 - 150	8.046233	8.150069	-0.1038	+/-0.50	
M2-6:2 FTS	5.27	54.4	40 - 215	6.683283	6.792652	-0.1094	+/-0.50	
M2-8:2 FTS	5.32	56.7	40 - 275	7.493817	7.614275	-0.1205	+/-0.50	
M9PFNA	1.38	129	40 - 130	7.302117	7.416027	-0.1139	+/-0.50	
M2-4:2 FTS	5.20	40.0	40 - 165	5.569967	5.669971	-0.1000	+/-0.50	
d-N-MeFOSA	2.77	76.6	10 - 130	10.51457	10.55139	-0.0368	+/-0.50	
d-N-EtFOSA	2.77	76.3	10 - 130	10.7964	10.83668	-0.0403	+/-0.50	
M3HFPO-DA	11.1	109	40 - 130	6.05645	6.163456	-0.1070	+/-0.50	
d9-N-EtFOSE	27.7	73.7	15 - 130	10.6642	10.70103	-0.0368	+/-0.50	
d7-N-MeFOSE	27.7	67.8	20 - 130	10.36308	10.4045	-0.0414	+/-0.50	
M5PFHxA	2.77	89.8	40 - 130	5.792183	5.899858	-0.1077	+/-0.50	

EIS RECOVERIES EVALUATED
WITH SAMPLE RESULTS

FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0837	Instrument:	QQQ4
Batch:	BI50372	Calibration:	SH50063

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
HVAC SW North 1-3 (25H1535-05RE1)			Lab File ID: QQQ421568.d		Analyzed: 09/07/25 23:39			
M3PFBS	2.59	124	40 - 135	5.7495	5.879787	-0.1303	+/-0.50	
M5PFHxA	2.78	95.1	40 - 130	5.7922	5.899858	-0.1077	+/-0.50	
M4PFHpA	2.78	108	40 - 130	6.399817	6.507434	-0.1076	+/-0.50	
M3PFHxS	2.64	108	40 - 130	6.973617	7.100925	-0.1273	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.78	118	40 - 130	6.878933	6.992727	-0.1138	+/-0.50	
M6PFDA	1.39	106	40 - 130	7.68945	7.815094	-0.1256	+/-0.50	
M7PFUdA	1.39	107	40 - 130	8.056833	8.195725	-0.1389	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.39	102	40 - 130	8.423083	8.570442	-0.1474	+/-0.50	
M2PFTeDA	1.39	92.2	20 - 130	9.121634	9.267546	-0.1459	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.1	103	8 - 130	3.036717	3.330342	-0.2936	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.67	109	40 - 130	7.811683	7.958965	-0.1473	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.57	90.9	35 - 130	4.910333	5.02504	-0.1147	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.78	93.3	40 - 130	9.238783	9.312296	-0.0735	+/-0.50	
d3-N-MeFOSAA	5.57	105	40 - 135	7.871367	7.972625	-0.1013	+/-0.50	
d5-N-EtFOSAA	5.57	113	40 - 150	8.04625	8.150069	-0.1038	+/-0.50	
M2-6:2 FTS	5.30	58.6	40 - 215	6.6833	6.792652	-0.1094	+/-0.50	
M2-8:2 FTS	5.35	62.5	40 - 275	7.493834	7.614275	-0.1204	+/-0.50	
M9PFNA	1.39	124	40 - 130	7.30215	7.416027	-0.1139	+/-0.50	
M2-4:2 FTS	5.22	45.6	40 - 165	5.5608	5.669971	-0.1092	+/-0.50	
d-N-MeFOSA	2.78	83.2	10 - 130	10.5054	10.55139	-0.0460	+/-0.50	
d-N-EtFOSA	2.78	79.8	10 - 130	10.79642	10.83668	-0.0403	+/-0.50	
M3HFPO-DA	11.1	101	40 - 130	6.047283	6.163456	-0.1162	+/-0.50	
d9-N-EtFOSE	27.8	79.5	15 - 130	10.66422	10.70103	-0.0368	+/-0.50	
d7-N-MeFOSE	27.8	72.3	20 - 130	10.3631	10.4045	-0.0414	+/-0.50	
M5PFHxA	2.78	95.1	40 - 130	5.7922	5.899858	-0.1077	+/-0.50	



EIS RECOVERIES EVALUATED
WITH SAMPLE RESULTS

FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0837	Instrument:	QQQ4
Batch:	BI50372	Calibration:	SH50063

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
HVAC SW South 1-3 (25H1535-06RE1)			Lab File ID: QQQ421569.d		Analyzed: 09/07/25 23:55			
M3PFBS	2.50	130	40 - 135	5.7495	5.879787	-0.1303	+/-0.50	
M5PFHxA	2.69	94.0	40 - 130	5.7922	5.899858	-0.1077	+/-0.50	
M4PFHpA	2.69	109	40 - 130	6.3998	6.507434	-0.1076	+/-0.50	
M3PFHxS	2.55	113	40 - 130	6.973617	7.100925	-0.1273	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.69	113	40 - 130	6.878917	6.992727	-0.1138	+/-0.50	
M6PFDA	1.34	111	40 - 130	7.68945	7.815094	-0.1256	+/-0.50	
M7PFUdA	1.34	114	40 - 130	8.056817	8.195725	-0.1389	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.34	109	40 - 130	8.423067	8.570442	-0.1474	+/-0.50	
M2PFTeDA	1.34	95.0	20 - 130	9.121616	9.267546	-0.1459	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.7	110	8 - 130	3.027533	3.330342	-0.3028	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.57	114	40 - 130	7.820883	7.958965	-0.1381	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.37	92.8	35 - 130	4.910316	5.02504	-0.1147	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.69	92.4	40 - 130	9.229584	9.312296	-0.0827	+/-0.50	
d3-N-MeFOSAA	5.37	107	40 - 135	7.87135	7.972625	-0.1013	+/-0.50	
d5-N-EtFOSAA	5.37	112	40 - 150	8.046233	8.150069	-0.1038	+/-0.50	
M2-6:2 FTS	5.11	60.1	40 - 215	6.6833	6.792652	-0.1094	+/-0.50	
M2-8:2 FTS	5.16	63.4	40 - 275	7.503033	7.614275	-0.1112	+/-0.50	
M9PFNA	1.34	128	40 - 130	7.302134	7.416027	-0.1139	+/-0.50	
M2-4:2 FTS	5.04	44.1	40 - 165	5.5608	5.669971	-0.1092	+/-0.50	
d-N-MeFOSA	2.69	72.9	10 - 130	10.50538	10.55139	-0.0460	+/-0.50	
d-N-EtFOSA	2.69	73.0	10 - 130	10.79642	10.83668	-0.0403	+/-0.50	
M3HFPO-DA	10.7	101	40 - 130	6.047266	6.163456	-0.1162	+/-0.50	
d9-N-EtFOSE	26.9	79.8	15 - 130	10.66422	10.70103	-0.0368	+/-0.50	
d7-N-MeFOSE	26.9	70.5	20 - 130	10.36308	10.4045	-0.0414	+/-0.50	
M5PFHxA	2.69	94.0	40 - 130	5.7922	5.899858	-0.1077	+/-0.50	



EIS RECOVERIES EVALUATED
WITH SAMPLE RESULTS

FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0837	Instrument:	QQQ4
Batch:	BI50372	Calibration:	SH50063

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
HVAC SW East 1-3 (25H1535-07RE1)			Lab File ID: QQQ421572.d		Analyzed: 09/08/25 00:41			
M3PFBS	2.54	129	40 - 135	5.749483	5.879787	-0.1303	+/-0.50	
M5PFHxA	2.72	101	40 - 130	5.7922	5.899858	-0.1077	+/-0.50	
M4PFHpA	2.72	117	40 - 130	6.3998	6.507434	-0.1076	+/-0.50	
M3PFHxS	2.58	114	40 - 130	6.973617	7.100925	-0.1273	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.72	118	40 - 130	6.878917	6.992727	-0.1138	+/-0.50	
M6PFDA	1.36	111	40 - 130	7.689466	7.815094	-0.1256	+/-0.50	
M7PFUdA	1.36	111	40 - 130	8.056833	8.195725	-0.1389	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.36	104	40 - 130	8.423083	8.570442	-0.1474	+/-0.50	
M2PFTeDA	1.36	89.0	20 - 130	9.12165	9.267546	-0.1459	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.9	113	8 - 130	3.0367	3.330342	-0.2936	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.61	112	40 - 130	7.8209	7.958965	-0.1381	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.44	98.2	35 - 130	4.910316	5.02504	-0.1147	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.72	87.0	40 - 130	9.238783	9.312296	-0.0735	+/-0.50	
d3-N-MeFOSAA	5.44	113	40 - 135	7.871383	7.972625	-0.1012	+/-0.50	
d5-N-EtFOSAA	5.44	112	40 - 150	8.04625	8.150069	-0.1038	+/-0.50	
M2-6:2 FTS	5.17	60.8	40 - 215	6.6833	6.792652	-0.1094	+/-0.50	
M2-8:2 FTS	5.22	66.8	40 - 275	7.49385	7.614275	-0.1204	+/-0.50	
M9PFNA	1.36	136	40 - 130	7.29295	7.416027	-0.1231	+/-0.50	*
M2-4:2 FTS	5.10	45.1	40 - 165	5.5608	5.669971	-0.1092	+/-0.50	
d-N-MeFOSA	2.72	80.1	10 - 130	10.50542	10.55139	-0.0460	+/-0.50	
d-N-EtFOSA	2.72	73.6	10 - 130	10.79643	10.83668	-0.0402	+/-0.50	
M3HFPO-DA	10.9	112	40 - 130	6.047266	6.163456	-0.1162	+/-0.50	
d9-N-EtFOSE	27.2	79.9	15 - 130	10.66423	10.70103	-0.0368	+/-0.50	
d7-N-MeFOSE	27.2	71.2	20 - 130	10.36312	10.4045	-0.0414	+/-0.50	
M5PFHxA	2.72	101	40 - 130	5.7922	5.899858	-0.1077	+/-0.50	



EIS RECOVERIES EVALUATED
WITH SAMPLE RESULTS

FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0837	Instrument:	QQQ4
Batch:	BI50372	Calibration:	SH50063

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
HVAC SW West 1-3 (25H1535-08RE1)			Lab File ID: QQQ421573.d		Analyzed: 09/08/25 00:56			
M3PFBS	2.60	131	40 - 135	5.749483	5.879787	-0.1303	+/-0.50	
M5PFHxA	2.79	94.9	40 - 130	5.792183	5.899858	-0.1077	+/-0.50	
M4PFHpA	2.79	105	40 - 130	6.3906	6.507434	-0.1168	+/-0.50	
M3PFHxS	2.64	115	40 - 130	6.9736	7.100925	-0.1273	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.79	114	40 - 130	6.878917	6.992727	-0.1138	+/-0.50	
M6PFDA	1.39	110	40 - 130	7.689433	7.815094	-0.1257	+/-0.50	
M7PFUdA	1.39	105	40 - 130	8.066	8.195725	-0.1297	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.39	98.8	40 - 130	8.423067	8.570442	-0.1474	+/-0.50	
M2PFTeDA	1.39	91.1	20 - 130	9.121616	9.267546	-0.1459	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.2	104	8 - 130	3.0367	3.330342	-0.2936	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.67	107	40 - 130	7.811666	7.958965	-0.1473	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.58	94.5	35 - 130	4.910316	5.02504	-0.1147	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.79	91.1	40 - 130	9.238767	9.312296	-0.0735	+/-0.50	
d3-N-MeFOSAA	5.58	114	40 - 135	7.87135	7.972625	-0.1013	+/-0.50	
d5-N-EtFOSAA	5.58	107	40 - 150	8.046217	8.150069	-0.1039	+/-0.50	
M2-6:2 FTS	5.31	62.8	40 - 215	6.683283	6.792652	-0.1094	+/-0.50	
M2-8:2 FTS	5.36	71.2	40 - 275	7.493817	7.614275	-0.1205	+/-0.50	
M9PFNA	1.39	125	40 - 130	7.292917	7.416027	-0.1231	+/-0.50	
M2-4:2 FTS	5.23	46.1	40 - 165	5.560783	5.669971	-0.1092	+/-0.50	
d-N-MeFOSA	2.79	70.4	10 - 130	10.50538	10.55139	-0.0460	+/-0.50	
d-N-EtFOSA	2.79	67.2	10 - 130	10.7964	10.83668	-0.0403	+/-0.50	
M3HFPO-DA	11.2	107	40 - 130	6.047266	6.163456	-0.1162	+/-0.50	
d9-N-EtFOSE	27.9	72.6	15 - 130	10.6642	10.70103	-0.0368	+/-0.50	
d7-N-MeFOSE	27.9	64.3	20 - 130	10.36308	10.4045	-0.0414	+/-0.50	
M5PFHxA	2.79	94.9	40 - 130	5.792183	5.899858	-0.1077	+/-0.50	

EIS RECOVERIES EVALUATED
WITH SAMPLE RESULTS

FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0837	Instrument:	QQQ4
Batch:	BI50372	Calibration:	SH50063

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
HVAC Bottom 3 ft (25H1535-09RE1)			Lab File ID: QQQ421574.d		Analyzed: 09/08/25 01:11			
M3PFBS	2.54	135	40 - 135	5.7495	5.879787	-0.1303	+/-0.50	
M5PFHxA	2.72	102	40 - 130	5.783	5.899858	-0.1169	+/-0.50	
M4PFHpA	2.72	112	40 - 130	6.3906	6.507434	-0.1168	+/-0.50	
M3PFHxS	2.58	116	40 - 130	6.973617	7.100925	-0.1273	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.72	122	40 - 130	6.878917	6.992727	-0.1138	+/-0.50	
M6PFDA	1.36	122	40 - 130	7.68945	7.815094	-0.1256	+/-0.50	
M7PFUdA	1.36	114	40 - 130	8.066016	8.195725	-0.1297	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.36	114	40 - 130	8.423067	8.570442	-0.1474	+/-0.50	
M2PFTeDA	1.36	99.2	20 - 130	9.121634	9.267546	-0.1459	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.9	116	8 - 130	3.009183	3.330342	-0.3212	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.61	111	40 - 130	7.820883	7.958965	-0.1381	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.44	104	35 - 130	4.910316	5.02504	-0.1147	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.72	93.5	40 - 130	9.238767	9.312296	-0.0735	+/-0.50	
d3-N-MeFOSAA	5.44	111	40 - 135	7.871367	7.972625	-0.1013	+/-0.50	
d5-N-EtFOSAA	5.44	114	40 - 150	8.046233	8.150069	-0.1038	+/-0.50	
M2-6:2 FTS	5.18	64.5	40 - 215	6.6833	6.792652	-0.1094	+/-0.50	
M2-8:2 FTS	5.23	70.2	40 - 275	7.493834	7.614275	-0.1204	+/-0.50	
M9PFNA	1.36	145	40 - 130	7.302134	7.416027	-0.1139	+/-0.50	*
M2-4:2 FTS	5.11	48.0	40 - 165	5.5608	5.669971	-0.1092	+/-0.50	
d-N-MeFOSA	2.72	74.6	10 - 130	10.5054	10.55139	-0.0460	+/-0.50	
d-N-EtFOSA	2.72	66.8	10 - 130	10.79642	10.83668	-0.0403	+/-0.50	
M3HFPO-DA	10.9	114	40 - 130	6.047266	6.163456	-0.1162	+/-0.50	
d9-N-EtFOSE	27.2	77.2	15 - 130	10.66422	10.70103	-0.0368	+/-0.50	
d7-N-MeFOSE	27.2	67.2	20 - 130	10.3631	10.4045	-0.0414	+/-0.50	
M5PFHxA	2.72	102	40 - 130	5.783	5.899858	-0.1169	+/-0.50	

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0837	Instrument:	QQQ4
Batch:	BI50372	Calibration:	SH50063

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Matrix Spike (BI50372-MS1)			Lab File ID: QQQ421575.d		Analyzed: 09/08/25 01:27			
M3PFBS	2.55	123	40 - 135	5.7495	5.879787	-0.1303	+/-0.50	
M5PFHxA	2.73	96.1	40 - 130	5.783	5.899858	-0.1169	+/-0.50	
M4PFHpA	2.73	102	40 - 130	6.3998	6.507434	-0.1076	+/-0.50	
M3PFHxS	2.59	115	40 - 130	6.973617	7.100925	-0.1273	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.73	111	40 - 130	6.878917	6.992727	-0.1138	+/-0.50	
M6PFDA	1.37	106	40 - 130	7.68945	7.815094	-0.1256	+/-0.50	
M7PFUdA	1.37	109	40 - 130	8.056817	8.195725	-0.1389	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.37	99.4	40 - 130	8.423067	8.570442	-0.1474	+/-0.50	
M2PFTeDA	1.37	83.2	20 - 130	9.130816	9.267546	-0.1367	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.9	106	8 - 130	3.05505	3.330342	-0.2753	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.62	106	40 - 130	7.811683	7.958965	-0.1473	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.46	91.7	35 - 130	4.910316	5.02504	-0.1147	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.73	86.2	40 - 130	9.238767	9.312296	-0.0735	+/-0.50	
d3-N-MeFOSAA	5.46	109	40 - 135	7.871367	7.972625	-0.1013	+/-0.50	
d5-N-EtFOSAA	5.46	106	40 - 150	8.046233	8.150069	-0.1038	+/-0.50	
M2-6:2 FTS	5.20	55.0	40 - 215	6.683283	6.792652	-0.1094	+/-0.50	
M2-8:2 FTS	5.25	61.7	40 - 275	7.503033	7.614275	-0.1112	+/-0.50	
M9PFNA	1.37	125	40 - 130	7.302134	7.416027	-0.1139	+/-0.50	
M2-4:2 FTS	5.13	42.9	40 - 165	5.5608	5.669971	-0.1092	+/-0.50	
d-N-MeFOSA	2.73	77.2	10 - 130	10.5054	10.55139	-0.0460	+/-0.50	
d-N-EtFOSA	2.73	71.9	10 - 130	10.79642	10.83668	-0.0403	+/-0.50	
M3HFPO-DA	10.9	104	40 - 130	6.047266	6.163456	-0.1162	+/-0.50	
d9-N-EtFOSE	27.3	74.2	15 - 130	10.66422	10.70103	-0.0368	+/-0.50	
d7-N-MeFOSE	27.3	67.0	20 - 130	10.3631	10.4045	-0.0414	+/-0.50	





FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0837	Instrument:	QQQ4
Batch:	BI50372	Calibration:	SH50063

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (BI50372-MSD1)			Lab File ID: QQQ421576.d		Analyzed: 09/08/25 01:42			
M3PFBS	2.55	122	40 - 135	5.7495	5.879787	-0.1303	+/-0.50	
M5PFHxA	2.73	97.4	40 - 130	5.7922	5.899858	-0.1077	+/-0.50	
M4PFHpA	2.73	102	40 - 130	6.399817	6.507434	-0.1076	+/-0.50	
M3PFHxS	2.59	106	40 - 130	6.973617	7.100925	-0.1273	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.73	111	40 - 130	6.888117	6.992727	-0.1046	+/-0.50	
M6PFDA	1.37	113	40 - 130	7.68945	7.815094	-0.1256	+/-0.50	
M7PFUdA	1.37	102	40 - 130	8.066016	8.195725	-0.1297	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.37	102	40 - 130	8.432266	8.570442	-0.1382	+/-0.50	
M2PFTeDA	1.37	86.4	20 - 130	9.121616	9.267546	-0.1459	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.9	108	8 - 130	3.045883	3.330342	-0.2845	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.62	104	40 - 130	7.820883	7.958965	-0.1381	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.46	95.9	35 - 130	4.910333	5.02504	-0.1147	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.73	88.8	40 - 130	9.238767	9.312296	-0.0735	+/-0.50	
d3-N-MeFOSAA	5.46	110	40 - 135	7.871367	7.972625	-0.1013	+/-0.50	
d5-N-EtFOSAA	5.46	110	40 - 150	8.046233	8.150069	-0.1038	+/-0.50	
M2-6:2 FTS	5.20	58.7	40 - 215	6.6833	6.792652	-0.1094	+/-0.50	
M2-8:2 FTS	5.25	63.7	40 - 275	7.503033	7.614275	-0.1112	+/-0.50	
M9PFNA	1.37	127	40 - 130	7.302134	7.416027	-0.1139	+/-0.50	
M2-4:2 FTS	5.13	42.2	40 - 165	5.5608	5.669971	-0.1092	+/-0.50	
d-N-MeFOSA	2.73	82.1	10 - 130	10.51457	10.55139	-0.0368	+/-0.50	
d-N-EtFOSA	2.73	74.5	10 - 130	10.79642	10.83668	-0.0403	+/-0.50	
M3HFPO-DA	10.9	102	40 - 130	6.047283	6.163456	-0.1162	+/-0.50	
d9-N-EtFOSE	27.3	78.2	15 - 130	10.66422	10.70103	-0.0368	+/-0.50	
d7-N-MeFOSE	27.3	69.8	20 - 130	10.36308	10.4045	-0.0414	+/-0.50	

EIS RECOVERIES EVALUATED
WITH SAMPLE RESULTS

FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0837	Instrument:	QQQ4
Batch:	BI50372	Calibration:	SH50063

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
HVAC DUP (25H1535-10RE1)			Lab File ID: QQQ421577.d		Analyzed: 09/08/25 01:57			
M3PFBS	2.62	127	40 - 135	5.749483	5.879787	-0.1303	+/-0.50	
M5PFHxA	2.81	98.6	40 - 130	5.792183	5.899858	-0.1077	+/-0.50	
M4PFHpA	2.81	107	40 - 130	6.3998	6.507434	-0.1076	+/-0.50	
M3PFHxS	2.66	109	40 - 130	6.973617	7.100925	-0.1273	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.81	119	40 - 130	6.878917	6.992727	-0.1138	+/-0.50	
M6PFDA	1.40	107	40 - 130	7.68945	7.815094	-0.1256	+/-0.50	
M7PFUdA	1.40	110	40 - 130	8.075216	8.195725	-0.1205	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.40	109	40 - 130	8.432266	8.570442	-0.1382	+/-0.50	
M2PFTeDA	1.40	88.9	20 - 130	9.130816	9.267546	-0.1367	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.2	113	8 - 130	3.027533	3.330342	-0.3028	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.69	109	40 - 130	7.820883	7.958965	-0.1381	+/-0.50	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.61	98.7	35 - 130	4.910316	5.02504	-0.1147	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.81	92.2	40 - 130	9.238783	9.312296	-0.0735	+/-0.50	
d3-N-MeFOSAA	5.61	107	40 - 135	7.880567	7.972625	-0.0921	+/-0.50	
d5-N-EtFOSAA	5.61	112	40 - 150	8.055583	8.150069	-0.0945	+/-0.50	
M2-6:2 FTS	5.34	62.7	40 - 215	6.683283	6.792652	-0.1094	+/-0.50	
M2-8:2 FTS	5.39	67.9	40 - 275	7.503033	7.614275	-0.1112	+/-0.50	
M9PFNA	1.40	133	40 - 130	7.302134	7.416027	-0.1139	+/-0.50	*
M2-4:2 FTS	5.27	45.2	40 - 165	5.569967	5.669971	-0.1000	+/-0.50	
d-N-MeFOSA	2.81	73.3	10 - 130	10.51458	10.55139	-0.0368	+/-0.50	
d-N-EtFOSA	2.81	76.0	10 - 130	10.79643	10.83668	-0.0402	+/-0.50	
M3HFPO-DA	11.2	103	40 - 130	6.047266	6.163456	-0.1162	+/-0.50	
d9-N-EtFOSE	28.1	76.2	15 - 130	10.66423	10.70103	-0.0368	+/-0.50	
d7-N-MeFOSE	28.1	67.2	20 - 130	10.37228	10.4045	-0.0322	+/-0.50	
M5PFHxA	2.81	98.6	40 - 130	5.792183	5.899858	-0.1077	+/-0.50	



MS/MSD forms added in from REV02

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 1633A

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc. (Rochester, NY)	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BI50372	Laboratory ID:	BI50372-MS1
Preparation:	EPA 1633 Prep	Initial/Final:	5 g / 5 mL

Source Sample Name: 25H1535-09RE1

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. #	QC LIMITS REC.	Q
11CL-PF3OUdS	8.26	ND	6.42	77.7	45 - 160	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	16.8	ND	12.8	76.5 ✓	70 - 150	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	16.4	ND	12.8	78.0	60 - 150	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	16.6	ND	14.0	84.1	55 - 200	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	87.4	ND	53.9	61.6	60 - 150	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	87.4	ND	53.5	61.2	60 - 130	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	17.5	ND	11.8	67.3	45 - 130	
9CL-PF3ONS	8.18	ND	7.03	86.0	70 - 150	
ADONA	8.26	ND	6.47	78.3	70 - 160	
HFPO-DA (Gen-X)	8.74	ND	3.75	42.9 *	70 - 145	
N-EtFOSA	4.37	ND	3.29	75.2 ✓	70 - 140	
N-EtFOSAA	4.37	ND	3.08	70.5	65 - 165	
N-EtFOSE	43.7	ND	32.2	73.6	70 - 135	
N-MeFOSA	4.37	ND	3.09	70.7	70 - 155	
N-MeFOSAA	4.37	ND	3.30	75.4	65 - 155	
N-MeFOSE	43.7	ND	34.6	79.1	70 - 140	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	7.78	ND	6.77	87.0	70 - 140	
Perfluoro-1-decanesulfonic acid (PFDS)	4.22	ND	3.48	82.5	40 - 155	
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.17	ND	3.49	83.5	65 - 155	
Perfluoro-1-nonanesulfonic acid (PFNS)	4.20	ND	3.66	87.2	55 - 140	
Perfluoro-1-octanesulfonamide (FOSA)	4.37	ND	3.79	86.7	70 - 140	

MS %rec low - qual UJ,MS- for samp-09 only

MS/MSD forms added in from REV02

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 1633A

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc. (Rochester, NY)	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BI50372	Laboratory ID:	BI50372-MS1
Preparation:	EPA 1633 Prep	Initial/Final:	5 g / 5 mL

Source Sample Name: 25H1535-09RE1

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. #	QC LIMITS REC.	Q
Perfluoro-1-pentanesulfonate (PFPeS)	4.11	ND	3.31	80.6 ✓	55 - 160	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	8.74	ND	8.22	94.0	60 - 155	
Perfluoro-4-oxapentanoic acid (PFMPA)	8.74	ND	6.97	79.8	30 - 140	
Perfluoro-5-oxahexanoic acid (PFMBA)	8.74	ND	7.40	84.6	60 - 150	
Perfluorobutanesulfonic acid (PFBS)	3.87	ND	2.96	76.6	65 - 145	
Perfluorodecanoic acid (PFDA)	4.37	ND	3.51	80.3	70 - 155	
Perfluorododecanesulfonic acid (PFDoS)	4.24	ND	2.85	67.1	25 - 160	
Perfluorododecanoic acid (PFDoA)	4.37	ND	3.52	80.5	70 - 150	
Perfluoroheptanoic acid (PFHpA)	4.37	ND	3.46	79.2 ✓	65 - 145	
Perfluorohexanesulfonic acid (PFHxS)	4.00	0.116	3.16	76.2	60 - 150	
Perfluorohexanoic acid (PFHxA)	4.37	ND	3.62	82.9	65 - 140	
Perfluoro-n-butanoic acid (PFBA)	17.5	ND	13.7	78.5	70 - 140	
Perfluorononanoic acid (PFNA)	4.37	ND	3.06	70.1	70 - 155	
Perfluorooctanesulfonic acid (PFOS)	4.07	1.47	5.02	87.4	65 - 160	
Perfluorooctanoic acid (PFOA)	4.37	ND	3.64	83.2	70 - 150	
Perfluoropentanoic acid (PFPeA)	8.74	ND	6.87	78.5	60 - 150	
Perfluorotetradecanoic acid (PFTA)	4.37	ND	3.49	79.9	65 - 150	
Perfluorotridecanoic acid (PFTrDA)	4.37	ND	4.41	101	65 - 150	
Perfluoroundecanoic acid (PFUnA)	4.37	ND	3.03	69.2 *	70 - 155	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MS %rec low - qual UJ,MS- for samp-09 only ✓

MS/MSD forms added in from REV02

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 1633A

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc. (Rochester, NY)	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BI50372	Laboratory ID:	BI50372-MSD1
Preparation:	EPA 1633 Prep	Initial/Final:	5 g / 5 mL

Source Sample Name: 25H1535-09RE1

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
11CL-PF3OUdS	8.26	6.84	82.8 ✓	6.40 ✓	30	45 - 160	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	16.8	12.4	73.9	3.39	35	70 - 150	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	16.4	13.4	82.0	4.95	30	60 - 150	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	16.6	13.9	83.6	0.586	35	55 - 200	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	87.4	57.0	65.2	5.59	30	60 - 150	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	87.4	56.2	64.3	4.99	30	60 - 130	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	17.5	12.2	69.6	3.43	30	45 - 130	
9CL-PF3ONS	8.18	7.42	90.8	5.34	30	70 - 150	
ADONA	8.26	7.26	87.9	11.5	30	70 - 160	
HFPO-DA (Gen-X)	8.74	4.35	49.8 *	14.8	30	70 - 145	
N-EtFOSA	4.37	3.66	83.7	10.8	30	70 - 140	
N-EtFOSAA	4.37	3.11	71.2 ✓	0.902 ✓	35	65 - 165	
N-EtFOSE	43.7	33.8	77.2	4.77	30	70 - 135	
N-MeFOSA	4.37	3.43	78.4	10.3	30	70 - 155	
N-MeFOSAA	4.37	3.46	79.0	4.71	35	65 - 155	
N-MeFOSE	43.7	36.7	84.0	6.00	30	70 - 140	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	7.78	7.24	93.0	6.76	30	70 - 140	
Perfluoro-1-decanesulfonic acid (PFDS)	4.22	3.75	89.0	7.55	35	40 - 155	
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.17	3.72	89.1	6.46	35	65 - 155	
Perfluoro-1-nonanesulfonic acid (PFNS)	4.20	3.97	94.5	8.10	30	55 - 140	
Perfluoro-1-octanesulfonamide (FOSA)	4.37	3.90	89.2	2.84	35	70 - 140	
Perfluoro-1-pentanesulfonate (PFPeS)	4.11	3.68	89.6	10.6	30	55 - 160	

MSD %rec low - qual UJ,MS- for samp-09 only

MS/MSD forms added in from REV02

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 1633A

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc. (Rochester, NY)	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BI50372	Laboratory ID:	BI50372-MSD1
Preparation:	EPA 1633 Prep	Initial/Final:	5 g / 5 mL

Source Sample Name: 25H1535-09RE1

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	8.74	8.38	95.8 ✓	1.86 ✓	30	60 - 155	
Perfluoro-4-oxapentanoic acid (PFMPA)	8.74	7.22	82.5	3.41	30	30 - 140	
Perfluoro-5-oxahexanoic acid (PFMBA)	8.74	7.72	88.3	4.29	30	60 - 150	
Perfluorobutanesulfonic acid (PFBS)	3.87	3.22	83.1	8.15	35	65 - 145	
Perfluorodecanoic acid (PFDA)	4.37	3.46	79.2	1.40	35	70 - 155	
Perfluorododecanesulfonic acid (PFDoS)	4.24	3.16	74.5	10.5	30	25 - 160	
Perfluorododecanoic acid (PFDoA)	4.37	3.65	83.5	3.62	35	70 - 150	
Perfluoroheptanoic acid (PFHpA)	4.37	3.74	85.6	7.76	35	65 - 145	
Perfluorohexanesulfonic acid (PFHxS)	4.00	3.57	86.2	12.0	35	60 - 150	
Perfluorohexanoic acid (PFHxA)	4.37	3.89	89.0	7.13	35	65 - 140	
Perfluoro-n-butanoic acid (PFBA)	17.5	14.6	83.5	6.09	35	70 - 140	
Perfluorononanoic acid (PFNA)	4.37	3.25	74.4	5.97	35	70 - 155	
Perfluorooctanesulfonic acid (PFOS)	4.07	4.95	85.7	1.38	35	65 - 160	
Perfluorooctanoic acid (PFOA)	4.37	3.94	90.2 ✓	8.05 ✓	35	70 - 150	
Perfluoropentanoic acid (PFPeA)	8.74	7.20	82.3	4.74	35	60 - 150	
Perfluorotetradecanoic acid (PFTA)	4.37	3.55	81.1	1.48	35	65 - 150	
Perfluorotridecanoic acid (PFTrDA)	4.37	4.26	97.5	3.50	35	65 - 150	
Perfluoroundecanoic acid (PFUnA)	4.37	3.52	80.6	15.2	35	70 - 155	

Column to be used to flag recovery and RPD values with an asterisk ✓ ✓

* Values outside of QC limits

not associated with samples - no qual

assoc FB only, no eval

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Water		
Batch:	BI50241	Laboratory ID:	BI50241-BS1
Preparation:	EPA 1633 Prep	Initial/Final:	500 mL / 5 mL

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC. #	QC LIMITS REC.	Q
11CL-PF3OUdS	75.6	66.6	88.1	55 - 160	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	154	129	83.8	60 - 150	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	150	129	86.0	70 - 145	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	152	146	95.9	65 - 155	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	800	635	79.4	50 - 145	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	800	654	81.7	70 - 135	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	160	137	85.7	65 - 130	
9CL-PF3ONS	74.8	73.1	97.7	70 - 155	
ADONA	75.6	63.9	84.5	65 - 145	
HFPO-DA (Gen-X)	80.0	39.4	49.2 *	70 - 140	
N-EtFOSA	40.0	38.3	95.7	65 - 145	
N-EtFOSAA	40.0	32.6	81.4	70 - 145	
N-EtFOSE	400	350	87.6	70 - 135	
N-MeFOSA	40.0	34.8	86.9	60 - 150	
N-MeFOSAA	40.0	32.9	82.2	50 - 140	
N-MeFOSE	400	359	89.8	70 - 145	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	71.2	72.2	101	70 - 140	
Perfluoro-1-decanesulfonic acid (PFDS)	38.6	30.7	79.6	60 - 145	
Perfluoro-1-heptanesulfonic acid (PFHpS)	38.2	32.3	84.5	70 - 150	
Perfluoro-1-nonanesulfonic acid (PFNS)	38.4	34.4	89.6	65 - 145	
Perfluoro-1-octanesulfonamide (FOSA)	40.0	35.5	88.8	70 - 145	
Perfluoro-1-pentanesulfonate (PFPeS)	37.6	32.6	86.7	65 - 140	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	80.0	85.4	107	50 - 150	
Perfluoro-4-oxapentanoic acid (PFMPA)	80.0	70.3	87.9	55 - 140	
Perfluoro-5-oxahexanoic acid (PFMBA)	80.0	72.6	90.8	60 - 150	
Perfluorobutanesulfonic acid (PFBS)	35.4	28.9	81.6	60 - 145	

not associated with samples - no qual

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Water		
Batch:	BI50241	Laboratory ID:	BI50241-BS1
Preparation:	EPA 1633 Prep	Initial/Final:	500 mL / 5 mL

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC. #	QC LIMITS REC.	Q
Perfluorodecanoic acid (PFDA)	40.0	36.8	92.1	70 - 140	
Perfluorododecanesulfonic acid (PFDoS)	38.8	27.8	71.7	50 - 145	
Perfluorododecanoic acid (PFDoA)	40.0	39.9	99.7	70 - 140	
Perfluoroheptanoic acid (PFHpA)	40.0	35.6	88.9	70 - 150	
Perfluorohexanesulfonic acid (PFHxS)	36.6	33.9	92.6	65 - 145	
Perfluorohexanoic acid (PFHxA)	40.0	37.4	93.6	70 - 145	
Perfluoro-n-butanoic acid (PFBA)	160	137	85.8	70 - 140	
Perfluorononanoic acid (PFNA)	40.0	30.3	75.9	70 - 150	
Perfluorooctanesulfonic acid (PFOS)	37.2	33.1	88.9	55 - 150	
Perfluorooctanoic acid (PFOA)	40.0	38.1	95.3	70 - 150	
Perfluoropentanoic acid (PFPeA)	80.0	68.1	85.1	65 - 135	
Perfluorotetradecanoic acid (PFTA)	40.0	33.5	83.7	60 - 140	
Perfluorotridecanoic acid (PFTrDA)	40.0	44.7	112	65 - 140	
Perfluoroundecanoic acid (PFUnA)	40.0	31.7	79.2	70 - 145	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

not associated with samples - no qual

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Water		
Batch:	BI50241	Laboratory ID:	BI50241-BS2
Preparation:	EPA 1633 Prep	Initial/Final:	500 mL / 5 mL

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC. #	QC LIMITS REC.	Q
11CL-PF3OUdS	7.56	8.25	109	55 - 160	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	15.4	12.0	78.4	60 - 150	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	15.0	11.6	77.4	70 - 145	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	15.2	12.8	84.1	65 - 155	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	80.0	63.6	79.5	50 - 145	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	80.0	62.3	77.8	70 - 135	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	16.0	16.0	100	65 - 130	
9CL-PF3ONS	7.48	6.89	92.1	70 - 155	J
ADONA	7.56	7.72	102	65 - 145	
HFPO-DA (Gen-X)	8.00	6.44	80.5	70 - 140	J
N-EtFOSA	4.00	3.33	83.2	65 - 145	
N-EtFOSAA	4.00	2.19	54.7 *	70 - 145	J
N-EtFOSE	40.0	34.0	85.0	70 - 135	
N-MeFOSA	4.00	3.43	85.8	60 - 150	
N-MeFOSAA	4.00	2.90	72.4	50 - 140	
N-MeFOSE	40.0	35.7	89.2	70 - 145	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	7.12	6.66	93.6	70 - 140	
Perfluoro-1-decanesulfonic acid (PFDS)	3.86	2.45	63.3	60 - 145	
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.82	3.08	80.7	70 - 150	
Perfluoro-1-nonanesulfonic acid (PFNS)	3.84	1.80	46.8 *	65 - 145	J
Perfluoro-1-octanesulfonamide (FOSA)	4.00	3.36	84.1	70 - 145	
Perfluoro-1-pentanesulfonate (PFPeS)	3.76	3.12	82.9	65 - 140	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	8.00	8.61	108	50 - 150	
Perfluoro-4-oxapentanoic acid (PFMPA)	8.00	6.93	86.6	55 - 140	
Perfluoro-5-oxahexanoic acid (PFMBA)	8.00	6.80	85.0	60 - 150	
Perfluorobutanesulfonic acid (PFBS)	3.54	3.13	88.6	60 - 145	

not associated with samples - no qual

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Water		
Batch:	BI50241	Laboratory ID:	BI50241-BS2
Preparation:	EPA 1633 Prep	Initial/Final:	500 mL / 5 mL

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC. #	QC LIMITS REC.	Q
Perfluorodecanoic acid (PFDA)	4.00	3.15	78.8	70 - 140	
Perfluorododecanesulfonic acid (PFDoS)	3.88	2.54	65.4	50 - 145	
Perfluorododecanoic acid (PFDoA)	4.00	3.75	93.9	70 - 140	
Perfluoroheptanoic acid (PFHpA)	4.00	3.63	90.8	70 - 150	
Perfluorohexanesulfonic acid (PFHxS)	3.66	3.08	84.3	65 - 145	
Perfluorohexanoic acid (PFHxA)	4.00	3.32	83.1	70 - 145	
Perfluoro-n-butanoic acid (PFBA)	16.0	12.9	80.6	70 - 140	
Perfluorononanoic acid (PFNA)	4.00	2.97	74.2	70 - 150	
Perfluorooctanesulfonic acid (PFOS)	3.72	2.88	77.4	55 - 150	
Perfluorooctanoic acid (PFOA)	4.00	3.59	89.8	70 - 150	
Perfluoropentanoic acid (PFPeA)	8.00	6.38	79.7	65 - 135	
Perfluorotetradecanoic acid (PFTA)	4.00	3.14	78.4	60 - 140	
Perfluorotridecanoic acid (PFTrDA)	4.00	4.37	109	65 - 140	
Perfluoroundecanoic acid (PFUnA)	4.00	3.59	89.7	70 - 145	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BI50372	Laboratory ID:	BI50372-BS1
Preparation:	EPA 1633 Prep	Initial/Final:	5 g / 5 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
11CL-PF3OUdS	7.56	5.90	78.1	45 - 160	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	15.4	12.2	79.3 ✓	70 - 150	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	15.0	13.1	87.2	60 - 150	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	15.2	14.0	91.9	55 - 200	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	80.0	56.4	70.5	60 - 150	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	80.0	55.6	69.5	60 - 130	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	16.0	12.2	76.1	45 - 130	
9CL-PF3ONS	7.48	6.36	85.1	70 - 150	
ADONA	7.56	6.09	80.5	70 - 160	
HFPO-DA (Gen-X)	8.00	3.90	48.7 ✓ *	70 - 145	
N-EtFOSA	4.00	3.44	85.9	70 - 140	
N-EtFOSAA	4.00	3.18	79.6	65 - 165	
N-EtFOSE	40.0	32.4	81.1	70 - 135	
N-MeFOSA	4.00	3.58	89.6	70 - 155	
N-MeFOSAA	4.00	3.29	82.2	65 - 155	
N-MeFOSE	40.0	34.5	86.2	70 - 140	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	7.12	6.55	92.0	70 - 140	
Perfluoro-1-decanesulfonic acid (PFDS)	3.86	3.32	85.9	40 - 155	
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.82	3.37	88.3 ✓	65 - 155	
Perfluoro-1-nonanesulfonic acid (PFNS)	3.84	3.51	91.4	55 - 140	
Perfluoro-1-octanesulfonamide (FOSA)	4.00	3.73	93.2	70 - 140	
Perfluoro-1-pentanesulfonate (PFPeS)	3.76	3.29	87.4	55 - 160	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	8.00	9.32	117	60 - 155	
Perfluoro-4-oxapentanoic acid (PFMPA)	8.00	6.80	85.0	30 - 140	
Perfluoro-5-oxahexanoic acid (PFMBA)	8.00	7.03	87.9	60 - 150	
Perfluorobutanesulfonic acid (PFBS)	3.54	2.93	82.9	65 - 145	

LCS %recovery low - qual UJ,LC- for all samples ✓

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BI50372	Laboratory ID:	BI50372-BS1
Preparation:	EPA 1633 Prep	Initial/Final:	5 g / 5 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
Perfluorodecanoic acid (PFDA)	4.00	3.50	87.5	70 - 155	
Perfluorododecanesulfonic acid (PFDoS)	3.88	2.98	76.9	25 - 160	
Perfluorododecanoic acid (PFDoA)	4.00	3.47	86.7	70 - 150	
Perfluoroheptanoic acid (PFHpA)	4.00	3.21	80.3	65 - 145	
Perfluorohexanesulfonic acid (PFHxS)	3.66	3.22	87.8	60 - 150	
Perfluorohexanoic acid (PFHxA)	4.00	3.54	88.4	65 - 140	
Perfluoro-n-butanoic acid (PFBA)	16.0	13.4	83.4	70 - 140	
Perfluorononanoic acid (PFNA)	4.00	3.03	75.8	70 - 155	
Perfluorooctanesulfonic acid (PFOS)	3.72	3.11	83.5	65 - 160	
Perfluorooctanoic acid (PFOA)	4.00	3.62	90.6	70 - 150	
Perfluoropentanoic acid (PFPeA)	8.00	6.75	84.3	60 - 150	
Perfluorotetradecanoic acid (PFTA)	4.00	3.23	80.9	65 - 150	
Perfluorotridecanoic acid (PFTrDA)	4.00	3.98	99.5	65 - 150	
Perfluoroundecanoic acid (PFUnA)	4.00	3.03	75.8	70 - 155	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BI50372	Laboratory ID:	BI50372-BS2
Preparation:	EPA 1633 Prep	Initial/Final:	5 g / 5 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
11CL-PF3OUdS	0.756	0.734	97.1	45 - 160	J
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1.54	1.09	70.7	70 - 150	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1.50	1.09	72.9	60 - 150	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1.52	1.13	74.4	55 - 200	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	8.00	5.65	70.7	60 - 150	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	8.00	5.60	70.0	60 - 130	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	1.60	1.35	84.1	45 - 130	
9CL-PF3ONS	0.748	0.582	77.8	70 - 150	J
ADONA	0.756	0.664	87.9	70 - 160	J
HFPO-DA (Gen-X)	0.800	0.543	67.9 *	70 - 145	J
N-EtFOSA	0.400	0.328	82.0	70 - 140	
N-EtFOSAA	0.400	0.289	72.3	65 - 165	J
N-EtFOSE	4.00	3.19	79.7	70 - 135	
N-MeFOSA	0.400	0.370	92.5	70 - 155	
N-MeFOSAA	0.400	0.249	62.3 *	65 - 155	
N-MeFOSE	4.00	3.35	83.7	70 - 140	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.712	0.615	86.4	70 - 140	
Perfluoro-1-decanesulfonic acid (PFDS)	0.386	0.287	74.4	40 - 155	
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.382	0.319	83.6	65 - 155	
Perfluoro-1-nonanesulfonic acid (PFNS)	0.384	0.179	46.6 *	55 - 140	J
Perfluoro-1-octanesulfonamide (FOSA)	0.400	0.312	78.1	70 - 140	
Perfluoro-1-pentanesulfonate (PFPeS)	0.376	0.305	81.0	55 - 160	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	0.800	0.854	107	60 - 155	
Perfluoro-4-oxapentanoic acid (PFMPA)	0.800	0.650	81.3	30 - 140	
Perfluoro-5-oxahexanoic acid (PFMBA)	0.800	0.667	83.4	60 - 150	
Perfluorobutanesulfonic acid (PFBS)	0.354	0.282	79.6	65 - 145	

LCS %recovery low - qual UJ,LC- for all samples

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BI50372	Laboratory ID:	BI50372-BS2
Preparation:	EPA 1633 Prep	Initial/Final:	5 g / 5 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
Perfluorodecanoic acid (PFDA)	0.400	0.293	73.2	70 - 155	
Perfluorododecanesulfonic acid (PFDoS)	0.388	0.280	72.0	25 - 160	
Perfluorododecanoic acid (PFDoA)	0.400	0.344	85.9	70 - 150	
Perfluoroheptanoic acid (PFHpA)	0.400	0.291	72.6	65 - 145	
Perfluorohexanesulfonic acid (PFHxS)	0.366	0.288	78.7	60 - 150	
Perfluorohexanoic acid (PFHxA)	0.400	0.304	76.0	65 - 140	
Perfluoro-n-butanoic acid (PFBA)	1.60	1.21	75.4	70 - 140	
Perfluorononanoic acid (PFNA)	0.400	0.297	74.1	70 - 155	
Perfluorooctanesulfonic acid (PFOS)	0.372	0.317	85.3	65 - 160	
Perfluorooctanoic acid (PFOA)	0.400	0.337	84.3	70 - 150	
Perfluoropentanoic acid (PFPeA)	0.800	0.604	75.5	60 - 150	
Perfluorotetradecanoic acid (PFTA)	0.400	0.298	74.4	65 - 150	
Perfluorotridecanoic acid (PFTrDA)	0.400	0.365	91.1	65 - 150	
Perfluoroundecanoic acid (PFUnA)	0.400	0.327	81.7	70 - 155	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford SDG: 25H1535

Client: Terracon Consultants, Inc. Project: HPN HVAC J4257006, 10.2

Batch: BI50241 Batch Matrix: Water Preparation: EPA 1633 Prep

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Field Blank	25H1535-12	QQQ421469.d	09/04/25 15:14	
Blank	BI50241-BLK1	QQQ421449.d	09/04/25 15:14	
LCS	BI50241-BS1	QQQ421450.d	09/04/25 15:14	
LCS	BI50241-BS2	QQQ421451.d	09/04/25 15:14	

only results used from Field Blank,
not evaluated as sample

FORM IV **PREPARATION BATCH SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford SDG: 25H1535

Client: Terracon Consultants, Inc. Project: HPN HVAC J4257006, 10.2

Batch: BI50372 Batch Matrix: Soil Preparation: EPA 1633 Prep

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC SW North-S-1	25H1535-01RE1	QQQ421564.d	09/06/25 10:13	From BH52275 by MPR on 09/06/2025
HVAC SW South-S-1	25H1535-02RE1	QQQ421565.d	09/06/25 10:13	From BH52275 by MPR on 09/06/2025
HVAC SW East-S-1	25H1535-03RE1	QQQ421566.d	09/06/25 10:13	From BH52275 by MPR on 09/06/2025
HVAC SW West-S-1	25H1535-04RE1	QQQ421567.d	09/06/25 10:13	From BH52275 by MPR on 09/06/2025
HVAC SW North 1-3	25H1535-05RE1	QQQ421568.d	09/06/25 10:13	From BH52275 by MPR on 09/06/2025
HVAC SW South 1-3	25H1535-06RE1	QQQ421569.d	09/06/25 10:13	From BH52275 by MPR on 09/06/2025
HVAC SW East 1-3	25H1535-07RE1	QQQ421572.d	09/06/25 10:13	From BH52275 by MPR on 09/06/2025
HVAC SW West 1-3	25H1535-08RE1	QQQ421573.d	09/06/25 10:13	From BH52275 by MPR on 09/06/2025
HVAC Bottom 3 ft	25H1535-09RE1	QQQ421574.d	09/06/25 10:13	From BH52275 by MPR on 09/06/2025
HVAC DUP	25H1535-10RE1	QQQ421577.d	09/06/25 10:13	From BH52275 by MPR on 09/06/2025
Blank	BI50372-BLK1	QQQ421542.d	09/06/25 10:13	
LCS	BI50372-BS1	QQQ421541.d	09/06/25 10:13	
LCS	BI50372-BS2	QQQ421543.d	09/06/25 10:13	
HVAC Bottom 3 ft	BI50372-MS1	QQQ421575.d	09/06/25 10:13	
HVAC Bottom 3 ft	BI50372-MSD1	QQQ421576.d	09/06/25 10:13	

Where are MS/MSD results?

provided in Rev 2

FORM I

METHOD BLANK DATA SHEET

EPA 1633A

Clean Blank ✓

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BI50241-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50063
Preparation:	EPA 1633 Prep	Prepared:	09/04/25 15:14	File ID:	QQQ421449.d
Instrument:	QQQ4	Analyzed:	09/05/25 11:38	Initial/Final:	500 mL / 5 mL
Batch:	BI50241	Sequence:	S5I0533	Matrix:	Water

Analyzed by: ALS Environmental - Stratford

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
763051-92-9	11CL-PF3OUdS	ND		ng/L	7.56	2.23	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	7.68	2.25	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	7.50	2.82	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	7.60	5.00	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	50.0	23.1	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	50.0	25.0	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	10.0	2.36	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
756426-58-1	9CL-PF3ONS	ND		ng/L	7.48	2.75	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
919005-14-4	ADONA	ND		ng/L	7.56	2.97	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	8.00	5.00	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
4151-50-2	N-EtFOSA	ND		ng/L	2.00	1.05	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
2991-50-6	N-EtFOSAA	ND		ng/L	5.00	5.00	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
1691-99-2	N-EtFOSE	ND		ng/L	20.0	7.28	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
31506-32-8	N-MeFOSA	ND		ng/L	2.00	2.00	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
2355-31-9	N-MeFOSAA	ND		ng/L	2.00	0.500	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
24448-09-7	N-MeFOSE	ND		ng/L	20.0	7.10	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	3.56	0.500	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.93	0.620	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.91	0.310	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	1.92	0.750	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.00	0.370	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	1.88	0.750	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	4.00	3.00	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	4.00	0.700	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	4.00	1.40	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.77	1.60	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	2.00	0.570	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.94	0.890	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	0.600	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	

FORM I

METHOD BLANK DATA SHEET

EPA 1633A

Clean Blank

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BI50241-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50063
Preparation:	EPA 1633 Prep	Prepared:	09/04/25 15:14	File ID:	QQQ421449.d
Instrument:	QQQ4	Analyzed:	09/05/25 11:38	Initial/Final:	500 mL / 5 mL
Batch:	BI50241	Sequence:	S5I0533	Matrix:	Water

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	2.00	0.700	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.83	0.890	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	2.00	0.500	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	8.00	1.63	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	2.00	0.990	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.86	0.760	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	2.00	1.00	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	4.00	0.890	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	1.58	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.00	1.20	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	0.710	1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	
1180-95-6	Taurodeoxycholic Acid (TDCA)	0.00		ng/L			1	EPA 1633A	09/04/25 15:14	09/05/25 11:38	

Surrogate Recoveries		Result	Acceptance Range
D3-NMEFOSAA	d3-N-MeFOSAA	*113 %*	*40-170*
D5-NETFOSAA	d5-N-EtFOSAA	*114 %*	*25-135*
D7-NMEPFOSA	d7-N-MeFOSE	*95.6 %*	*10-130*
D9-NETPFOSA	d9-N-EtFOSE	*97.3 %*	*10-130*
936109-40-9	d-N-EtFOSA	*86.8 %*	*10-130*
936109-37-4	d-N-MeFOSA	*100 %*	*10-130*
M2-4:2FTS	M2-4:2 FTS	*45.0 %*	*40-200*
M2-6:2FTS	M2-6:2 FTS	*45.8 %*	*40-200*
M2-8:2FTS	M2-8:2 FTS	*55.2 %*	*40-300*
13C2PFTEDA	M2PFTeDA	*107 %*	*10-130*
M3HFPO-DA	M3HFPO-DA	*130 %*	*40-130*
M3PFBS	M3PFBS	*140 %*	*40-135*
13C3PFHXS	M3PFHxS	*127 %*	*40-130*
13C4PFHPA	M4PFHpA	*116 %*	*40-130*
2328025-54-8	M5PFHxA	*113 %*	*40-130*
13C6PFDA	M6PFDA	*130 %*	*40-130*
13C7PFUNA	M7PFUdA	*119 %*	*30-130*
13C9PFNA	M9PFNA	*160 %*	*40-130*
13C8FOSA	Perfluoro-1-[13C8]octanesulfonamide (M	*107 %*	*40-130*
13C8PFOS	Perfluoro-1-[13C8]octanesulfonic acid (	*124 %*	*40-130*

FORM I

METHOD BLANK DATA SHEET

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BI50241-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50063
Preparation:	EPA 1633 Prep	Prepared:	09/04/25 15:14	File ID:	QQQ421449.d
Instrument:	QQQ4	Analyzed:	09/05/25 11:38	Initial/Final:	500 mL / 5 mL
Batch:	BI50241	Sequence:	S5I0533	Matrix:	Water

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst

	Surrogate Recoveries	Result	Acceptance Range
960315-52-0	Perfluoro-n-[1,2-13C2]dodecanoic acid (	*114 %*	*10-130*
13C4PFBA	Perfluoro-n-[13C4]butanoic acid (MPFE	*133 %*	*5-130*
13C5PFPEA	Perfluoro-n-[13C5]pentanoic acid (M5P	*117 %*	*40-130*
13C8PFOA	Perfluoro-n-[13C8]octanoic acid (M8PF	*132 %*	*40-130*

FORM I

METHOD BLANK DATA SHEET

EPA 1633A

Clean Blank

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BI50372-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50063
Preparation:	EPA 1633 Prep	Prepared:	09/06/25 10:13	File ID:	QQQ421542.d
Instrument:	QQQ4	Analyzed:	09/07/25 17:01	Initial/Final:	5 g / 5 mL
Batch:	BI50372	Sequence:	S5I0837	Matrix:	Soil

Analyzed by: ALS Environmental - Stratford

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
763051-92-9	11CL-PF3OUdS	ND		ug/kg wet	0.756	0.220	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg wet	0.768	0.160	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg wet	0.750	0.220	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg wet	0.760	0.180	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ug/kg wet	5.00	0.940	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ug/kg wet	5.00	0.730	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ug/kg wet	1.00	0.320	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
756426-58-1	9CL-PF3ONS	ND		ug/kg wet	0.748	0.270	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
919005-14-4	ADONA	ND		ug/kg wet	0.756	0.260	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
13252-13-6	HFPO-DA (Gen-X)	ND		ug/kg wet	0.800	0.230	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
4151-50-2	N-EtFOSA	ND		ug/kg wet	0.200	0.0900	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
2991-50-6	N-EtFOSAA	ND		ug/kg wet	0.500	0.500	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
1691-99-2	N-EtFOSE	ND		ug/kg wet	2.00	0.460	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
31506-32-8	N-MeFOSA	ND		ug/kg wet	0.200	0.130	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
2355-31-9	N-MeFOSAA	ND		ug/kg wet	0.200	0.0800	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
24448-09-7	N-MeFOSE	ND		ug/kg wet	2.00	0.730	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg wet	0.356	0.0600	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg wet	0.193	0.0600	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg wet	0.200	0.0700	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg wet	0.192	0.140	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg wet	0.200	0.0300	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg wet	0.188	0.0700	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg wet	0.400	0.390	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg wet	0.400	0.0400	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg wet	0.400	0.120	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg wet	0.177	0.0700	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg wet	0.200	0.0800	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg wet	0.194	0.150	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg wet	0.200	0.0800	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	

FORM I

METHOD BLANK DATA SHEET

EPA 1633A

Clean Blank

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BI50372-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50063
Preparation:	EPA 1633 Prep	Prepared:	09/06/25 10:13	File ID:	QQQ421542.d
Instrument:	QQQ4	Analyzed:	09/07/25 17:01	Initial/Final:	5 g / 5 mL
Batch:	BI50372	Sequence:	S5I0837	Matrix:	Soil

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg wet	0.200	0.110	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg wet	0.183	0.0700	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg wet	0.200	0.0500	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg wet	0.800	0.160	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg wet	0.200	0.140	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg wet	0.186	0.0700	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg wet	0.200	0.0700	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg wet	0.400	0.0800	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg wet	0.200	0.130	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg wet	0.200	0.110	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg wet	0.200	0.110	1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	
1180-95-6	Taurodeoxycholic Acid (TDCA)	0.00		ug/kg wet			1	EPA 1633A	09/06/25 10:13	09/07/25 17:01	

Surrogate Recoveries		Result	Acceptance Range
D3-NMEFOSAA	d3-N-MeFOSAA	*102 %*	*40-135*
D5-NETFOSAA	d5-N-EtFOSAA	*102 %*	*40-150*
D7-NMEPFOSA	d7-N-MeFOSE	*99.7 %*	*20-130*
D9-NETPFOSA	d9-N-EtFOSE	*109 %*	*15-130*
936109-40-9	d-N-EtFOSA	*92.1 %*	*10-130*
936109-37-4	d-N-MeFOSA	*90.5 %*	*10-130*
M2-4:2FTS	M2-4:2 FTS	*38.1 %*	*40-165*
M2-6:2FTS	M2-6:2 FTS	*44.3 %*	*40-215*
M2-8:2FTS	M2-8:2 FTS	*50.5 %*	*40-275*
13C2PFTEDA	M2PFTeDA	*97.8 %*	*20-130*
M3HFPO-DA	M3HFPO-DA	*116 %*	*40-130*
M3PFBS	M3PFBS	*116 %*	*40-135*
13C3PFHXS	M3PFHxS	*110 %*	*40-130*
13C4PFHPA	M4PFHpA	*116 %*	*40-130*
2328025-54-8	M5PFHxA	*102 %*	*40-130*
13C6PFDA	M6PFDA	*109 %*	*40-130*
13C7PFUNA	M7PFUdA	*110 %*	*40-130*
13C9PFNA	M9PFNA	*140 %*	*40-130*
13C8FOSA	Perfluoro-1-[13C8]octanesulfonamide (N	*96.4 %*	*40-130*
13C8PFOS	Perfluoro-1-[13C8]octanesulfonic acid (	*112 %*	*40-130*

FORM I

METHOD BLANK DATA SHEET

EPA 1633A

Clean Blank

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BI50372-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50063
Preparation:	EPA 1633 Prep	Prepared:	09/06/25 10:13	File ID:	QQQ421542.d
Instrument:	QQQ4	Analyzed:	09/07/25 17:01	Initial/Final:	5 g / 5 mL
Batch:	BI50372	Sequence:	S5I0837	Matrix:	Soil

PFAS Target compounds by LC/MS-MS

Sample Prepared by Method: EPA 1633 Prep

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst

	Surrogate Recoveries	Result	Acceptance Range
960315-52-0	Perfluoro-n-[1,2-13C2]dodecanoic acid (	*108 %*	*40-130*
13C4PFBA	Perfluoro-n-[13C4]butanoic acid (MPFE	*114 %*	*8-130*
13C5PFPEA	Perfluoro-n-[13C5]pentanoic acid (M5P	*96.7 %*	*35-130*
13C8PFOA	Perfluoro-n-[13C8]octanoic acid (M8PF	*122 %*	*40-130*

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Clean Blank ✓

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	BI50372-BLK1	File ID:	QQQ421542.d
Prepared:	09/06/25 10:13	Preparation:	EPA 1633 Prep	Initial/Final:	5 ng/mL / 5 mL
Analyzed:	09/07/25 17:01	Instrument:	QQQ4		
Batch:	BI50372	Sequence:	S5I0837	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
763051-92-9	11CL-PF3OUdS	0.756	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	0.768	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	0.750	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	0.760	U
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	5.00	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	5.00	U
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	1.00	U
756426-58-1	9CL-PF3ONS	0.748	U
919005-14-4	ADONA	0.756	U
13252-13-6	HFPO-DA (Gen-X)	0.800	U
4151-50-2	N-EtFOSA	0.200	U
2991-50-6	N-EtFOSAA	0.500	U
1691-99-2	N-EtFOSE	2.00	U
31506-32-8	N-MeFOSA	0.200	U
2355-31-9	N-MeFOSAA	0.200	U
24448-09-7	N-MeFOSE	2.00	U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.356	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	0.193	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	0.200	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	0.192	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	0.200	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	0.188	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	0.400	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	0.400	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	0.400	U
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.177	U
335-76-2	Perfluorodecanoic acid (PFDA)	0.200	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	0.194	U
307-55-1	Perfluorododecanoic acid (PFDoA)	0.200	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.200	U

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Clean Blank

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	BI50372-BLK1	File ID:	QQQ421542.d
Prepared:	09/06/25 10:13	Preparation:	EPA 1633 Prep	Initial/Final:	5 ng/mL / 5 mL
Analyzed:	09/07/25 17:01	Instrument:	QQQ4		
Batch:	BI50372	Sequence:	S5I0837	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.183	U
307-24-4	Perfluorohexanoic acid (PFHxA)	0.200	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	0.800	U
375-95-1	Perfluorononanoic acid (PFNA)	0.200	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.186	U
335-67-1	Perfluorooctanoic acid (PFOA)	0.200	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.400	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	0.200	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	0.200	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.200	U
1180-95-6	Taurodeoxycholic Acid (TDCA)		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
d3-N-MeFOSAA	5.00	5.12	102	40 - 135	
d5-N-EtFOSAA	5.00	5.12	102	40 - 150	
d7-N-MeFOSE	25.0	24.9	99.7	20 - 130	
d9-N-EtFOSE	25.0	27.2	109	15 - 130	
d-N-EtFOSA	2.50	2.30	92.1	10 - 130	
d-N-MeFOSA	2.50	2.26	90.5	10 - 130	
M2-4:2 FTS	4.69	1.79	38.1	40 - 165	*
M2-6:2 FTS	4.76	2.10	44.3	40 - 215	
M2-8:2 FTS	4.80	2.43	50.5	40 - 275	
M2PFTeDA	1.25	1.22	97.8	20 - 130	
M3HFPO-DA	10.0	11.6	116	40 - 130	
M3PFBS	2.33	2.71	116	40 - 135	
M3PFHxS	2.37	2.61	110	40 - 130	
M4PFHpA	2.50	2.89	116	40 - 130	
M5PFHxA	2.50	2.54	102	40 - 130	
M6PFDA	1.25	1.37	109	40 - 130	
M7PFUdA	1.25	1.37	110	40 - 130	

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Clean Blank

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	BI50372-BLK1	File ID:	QQQ421542.d
Prepared:	09/06/25 10:13	Preparation:	EPA 1633 Prep	Initial/Final:	5 ng/mL / 5 mL
Analyzed:	09/07/25 17:01	Instrument:	QQQ4		
Batch:	BI50372	Sequence:	S5I0837	Calibration:	SH50063

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
M9PFNA	1.25	1.76	140	40 - 130	*
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	2.41	96.4	40 - 130	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	2.69	112	40 - 130	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	1.35	108	40 - 130	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	11.4	114	8 - 130	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	4.83	96.7	35 - 130	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	3.05	122	40 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
d3-N-MeFOSAA-EIS	34532.45	7.8806	29258.49	7.889767	
d3-NMeFOSA-EIS	3334.745	10.5146	3622.704	10.51455	
d5-N-EtFOSAA-EIS	27025.26	8.055634	21916	8.064783	
d5-NEtFOSA-EIS	2878.841	10.79645	3022.108	10.80558	
d7-NMeFOSE-EIS	103208.9	10.36313	101056.2	10.37227	
d9-NEtFOSE-EIS	88638.48	10.66425	86190.13	10.67338	
M2-4-2FTS-EIS	8044.954	5.570017	6547.449	5.57915	
M2-6-2FTS-EIS	11507.33	6.692533	9196.31	6.701684	
M2-8-2FTS-EIS	11832.38	7.512283	8636.728	7.521433	
M2PFTeDA-EIS	61640.57	9.140034	68658.06	9.149183	
M3-HFPO-DA-EIS	31205.04	6.0565	30034.12	6.06565	
M3PFBA	33532.28	3.0765	40790.03	3.14985	
M3PFBS-EIS	24248.03	5.758733	23332.12	5.77705	
M3PFHxS-EIS	23334.43	6.98285	21792.21	6.992	
M4PFHpA-EIS	35189.05	6.40905	31169.01	6.4182	
M5PFHxA-EIS	91034.14	5.801434	81731.48	5.810567	
M6PFDA-EIS	47160.29	7.6987	42150.94	7.70835	
M7PFUdA-EIS	62528.11	8.075267	55630.87	8.084416	
MPFDA	60755.16	7.69895	63152.32	7.708633	
MPFHxA	91929.27	5.80305	98226.8	5.812183	
MPFHxS	22897.67	6.982533	24261.02	6.991683	

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CALIBRATION BLANK DATA SHEET

EPA 1633A

Clean Blank

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	BI50372-BLK1	File ID:	QQQ421542.d
Prepared:	09/06/25 10:13	Preparation:	EPA 1633 Prep	Initial/Final:	5 ng/mL / 5 mL
Analyzed:	09/07/25 17:01	Instrument:	QQQ4		
Batch:	BI50372	Sequence:	S5I0837	Calibration:	SH50063

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
MPFNA	77321.5	7.3117	83956.48	7.32065	
MPFOA	190314.5	6.8885	209491.8	6.89765	
MPFOS	28429.58	7.830417	34114.02	7.839583	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	39056.57	9.2388	34394.09	9.247933	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	19886.43	7.830117	20228.18	7.839283	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	65571.33	8.441867	61135.11	8.451016	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	103357.5	3.07345	105877.9	3.1468	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	82735.52	4.91955	75841.92	4.928667	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	145262.5	6.88815	132877.8	6.897316	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	59954.79	7.311383	53299.07	7.320317	

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CALIBRATION BLANK DATA SHEET

EPA 1633A

Clean Blank ✓

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB1	File ID:	QQQ421536.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/07/25 15:29	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ng/mL)	Q
763051-92-9	11CL-PF3OUdS		U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)		U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)		U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)		U
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)		U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		U
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)		U
756426-58-1	9CL-PF3ONS		U
919005-14-4	ADONA		U
13252-13-6	HFPO-DA (Gen-X)		U
4151-50-2	N-EtFOSA		U
2991-50-6	N-EtFOSAA		U
1691-99-2	N-EtFOSE		U
31506-32-8	N-MeFOSA		U
2355-31-9	N-MeFOSAA		U
24448-09-7	N-MeFOSE		U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)		U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)		U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)		U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)		U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)		U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)		U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)		U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)		U
375-73-5	Perfluorobutanesulfonic acid (PFBS)		U
335-76-2	Perfluorodecanoic acid (PFDA)		U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		U
307-55-1	Perfluorododecanoic acid (PFDoA)		U
375-85-9	Perfluoroheptanoic acid (PFHpA)		U

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FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Clean Blank

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB1	File ID:	QQQ421536.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/07/25 15:29	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ng/mL)	Q
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		U
307-24-4	Perfluorohexanoic acid (PFHxA)		U
375-22-4	Perfluoro-n-butanoic acid (PFBA)		U
375-95-1	Perfluorononanoic acid (PFNA)		U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		U
335-67-1	Perfluorooctanoic acid (PFOA)		U
2706-90-3	Perfluoropentanoic acid (PFPeA)		U
376-06-7	Perfluorotetradecanoic acid (PFTA)		U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		U
2058-94-8	Perfluoroundecanoic acid (PFUnA)		U
1180-95-6	Taurodeoxycholic Acid (TDCA)		U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
d3-N-MeFOSAA	5.00	3.94	78.8	40 - 135	
d5-N-EtFOSAA	5.00	3.95	78.9	40 - 150	
d7-N-MeFOSE	25.0	23.0	91.8	20 - 130	
d9-N-EtFOSE	25.0	26.5	106	15 - 130	
d-N-EtFOSA	2.50	2.19	87.6	10 - 130	
d-N-MeFOSA	2.50	2.11	84.5	10 - 130	
M2-4:2 FTS	4.69	1.57	33.5	40 - 165	*
M2-6:2 FTS	4.76	1.65	34.7	40 - 215	*
M2-8:2 FTS	4.80	1.82	38.0	40 - 275	*
M2PFTeDA	1.25	1.30	104	20 - 130	
M3HFPO-DA	10.0	10.2	102	40 - 130	
M3PFBS	2.33	2.61	112	40 - 135	
M3PFHxS	2.37	2.44	103	40 - 130	
M4PFHpA	2.50	2.56	102	40 - 130	
M5PFHxA	2.50	2.25	90.1	40 - 130	
M6PFDA	1.25	1.17	93.7	40 - 130	
M7PFUdA	1.25	1.22	97.9	40 - 130	

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CALIBRATION BLANK DATA SHEET

EPA 1633A

Clean Blank

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB1	File ID:	QQQ421536.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/07/25 15:29	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
M9PFNA	1.25	1.49	119	40 - 130	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	1.80	72.1	40 - 130	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	2.25	93.6	40 - 130	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	1.20	95.6	40 - 130	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	9.60	96.0	8 - 130	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	4.23	84.7	35 - 130	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	2.53	101	40 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
d3-N-MeFOSAA-EIS	33704.84	7.889767	29258.49	7.889767	
d3-NMeFOSA-EIS	3948.088	10.51457	3622.704	10.51455	
d5-N-EtFOSAA-EIS	26402.68	8.064783	21916	8.064783	
d5-NEtFOSA-EIS	3471.334	10.80558	3022.108	10.80558	
d7-NMeFOSE-EIS	120521.7	10.37227	101056.2	10.37227	
d9-NEtFOSE-EIS	109710.1	10.67338	86190.13	10.67338	
M2-4-2FTS-EIS	8048.629	5.57915	6547.449	5.57915	
M2-6-2FTS-EIS	10291.56	6.701684	9196.31	6.701684	
M2-8-2FTS-EIS	10129.99	7.512233	8636.728	7.521433	
M2PFTeDA-EIS	77936.4	9.149183	68658.06	9.149183	
M3-HFPO-DA-EIS	32994.13	6.06565	30034.12	6.06565	
M3PFBA	46910.8	3.177383	40790.03	3.14985	
M3PFBS-EIS	26632.88	5.767867	23332.12	5.77705	
M3PFHxS-EIS	24909.65	6.992017	21792.21	6.992	
M4PFHpA-EIS	37467.36	6.4182	31169.01	6.4182	
M5PFHxA-EIS	97115.41	5.810567	81731.48	5.810567	
M6PFDA-EIS	48209.08	7.708367	42150.94	7.70835	
M7PFUdA-EIS	66393.53	8.084416	55630.87	8.084416	
MPFDA	72402.82	7.708633	63152.32	7.708633	
MPFHxA	110673.2	5.803	98226.8	5.812183	
MPFHxS	26081.76	6.991683	24261.02	6.991683	

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Clean Blank

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB1	File ID:	QQQ421536.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/07/25 15:29	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
MPFNA	95068.2	7.31165	83956.48	7.32065	
MPFOA	236892.5	6.89765	209491.8	6.89765	
MPFOS	36034.11	7.839583	34114.02	7.839583	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	37010.34	9.247933	34394.09	9.247933	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	21016.66	7.839283	20228.18	7.839283	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	69218.3	8.451016	61135.11	8.451016	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	121884.1	3.16515	105877.9	3.1468	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	87251.95	4.928667	75841.92	4.928667	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	149471.6	6.897316	132877.8	6.897316	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	62443.25	7.320333	53299.07	7.320317	

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CALIBRATION BLANK DATA SHEET

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB2	File ID:	QQQ421559.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/07/25 21:22	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ng/mL)	Q
763051-92-9	11CL-PF3OUdS		U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)		U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)		U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)		U
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)		U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		U
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)		U
756426-58-1	9CL-PF3ONS		U
919005-14-4	ADONA		U
13252-13-6	HFPO-DA (Gen-X)		U
4151-50-2	N-EtFOSA		U
2991-50-6	N-EtFOSAA		U
1691-99-2	N-EtFOSE		U
31506-32-8	N-MeFOSA		U
2355-31-9	N-MeFOSAA		U
24448-09-7	N-MeFOSE		U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)		U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)		U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)		U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)		U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)		U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)		U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)		U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)		U
375-73-5	Perfluorobutanesulfonic acid (PFBS)		U
335-76-2	Perfluorodecanoic acid (PFDA)		U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		U
307-55-1	Perfluorododecanoic acid (PFDoA)		U
375-85-9	Perfluoroheptanoic acid (PFHpA)		U

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB2	File ID:	QQQ421559.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/07/25 21:22	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ng/mL)	Q
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		U
307-24-4	Perfluorohexanoic acid (PFHxA)		U
375-22-4	Perfluoro-n-butanoic acid (PFBA)		U
375-95-1	Perfluorononanoic acid (PFNA)		U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		U
335-67-1	Perfluorooctanoic acid (PFOA)		U
2706-90-3	Perfluoropentanoic acid (PFPeA)		U
376-06-7	Perfluorotetradecanoic acid (PFTA)		U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		U
2058-94-8	Perfluoroundecanoic acid (PFUnA)		U
1180-95-6	Taurodeoxycholic Acid (TDCA)		U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
d3-N-MeFOSAA	5.00	4.53	90.6	40 - 135	
d5-N-EtFOSAA	5.00	4.43	88.7	40 - 150	
d7-N-MeFOSE	25.0	24.9	99.8	20 - 130	
d9-N-EtFOSE	25.0	29.0	116	15 - 130	
d-N-EtFOSA	2.50	2.55	102	10 - 130	
d-N-MeFOSA	2.50	2.43	97.1	10 - 130	
M2-4:2 FTS	4.69	1.63	34.8	40 - 165	*
M2-6:2 FTS	4.76	2.00	42.1	40 - 215	
M2-8:2 FTS	4.80	2.16	45.0	40 - 275	
M2PFTeDA	1.25	1.27	102	20 - 130	
M3HFPO-DA	10.0	10.5	105	40 - 130	
M3PFBS	2.33	2.69	115	40 - 135	
M3PFHxS	2.37	2.45	104	40 - 130	
M4PFHpA	2.50	2.53	101	40 - 130	
M5PFHxA	2.50	2.17	86.7	40 - 130	
M6PFDA	1.25	1.21	96.9	40 - 130	
M7PFUdA	1.25	1.24	99.0	40 - 130	

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB2	File ID:	QQQ421559.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/07/25 21:22	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
M9PFNA	1.25	1.44	115	40 - 130	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	1.74	69.4	40 - 130	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	2.41	100	40 - 130	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	1.23	98.6	40 - 130	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	9.58	95.8	8 - 130	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	4.17	83.3	35 - 130	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	2.58	103	40 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
d3-N-MeFOSAA-EIS	38735.89	7.8714	33310.44	7.871367	
d3-NMeFOSA-EIS	4534.596	10.5146	3954.902	10.51457	
d5-N-EtFOSAA-EIS	29655.71	8.055616	26088.93	8.055583	
d5-NEtFOSA-EIS	4047.219	10.79645	3577.96	10.79642	
d7-NMeFOSE-EIS	130905.2	10.36312	111603.4	10.36308	
d9-NEtFOSE-EIS	119892.6	10.66425	103343	10.66422	
M2-4-2FTS-EIS	8584.622	5.570017	7396.049	5.569983	
M2-6-2FTS-EIS	12824.71	6.683333	10981.09	6.6833	
M2-8-2FTS-EIS	12349.87	7.503067	11357.7	7.503033	
M2PFTeDA-EIS	77279.97	9.13085	68969.62	9.130816	
M3-HFPO-DA-EIS	36424.94	6.0565	29266.73	6.056467	
M3PFBA	47481.5	3.16825	41321.09	3.140683	
M3PFBS-EIS	28163.56	5.758717	25854.79	5.758683	
M3PFHxS-EIS	25705.06	6.97365	21737.69	6.973617	
M4PFHpA-EIS	39695.29	6.399833	34957.84	6.399817	
M5PFHxA-EIS	100172	5.792233	88388.81	5.7922	
M6PFDA-EIS	50360.59	7.689483	45739.52	7.68945	
M7PFUdA-EIS	67852.91	8.06605	62455.57	8.066016	
MPFDA	73121.8	7.68975	69077.34	7.6897	
MPFHxA	118624.9	5.79385	110167.7	5.793817	
MPFHxS	26812.1	6.973333	23667.32	6.9733	

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB2	File ID:	QQQ421559.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/07/25 21:22	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
MPFNA	98898.05	7.302484	88386.7	7.30245	
MPFOA	243146.6	6.8793	218479.1	6.879267	
MPFOS	36030.2	7.821217	32087.26	7.821183	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	35646.02	9.2388	35547.84	9.238767	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	22545.8	7.820917	20193.59	7.820883	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	72030.68	8.4323	62047.39	8.432266	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	123088.4	3.156017	104997.2	3.137633	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	92032.05	4.919533	79616.71	4.9195	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	156814.3	6.87895	138774.5	6.878917	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	62901.55	7.302166	54296.02	7.302134	

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB3	File ID:	QQQ421571.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/08/25 00:25	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

results from raw data

CAS NO.	COMPOUND	CONC. (ng/mL)	Q
763051-92-9	11CL-PF3OUdS		U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	all samples ND - no qual	0.0068
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	all samples ND - no qual	0.0011
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	all samples ND - no qual	0.0015
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)		U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		U
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)		U
756426-58-1	9CL-PF3ONS		U
919005-14-4	ADONA		U
13252-13-6	HFPO-DA (Gen-X)		U
4151-50-2	N-EtFOSA		U
2991-50-6	N-EtFOSAA		U
1691-99-2	N-EtFOSE		U
31506-32-8	N-MeFOSA		U
2355-31-9	N-MeFOSAA		U
24448-09-7	N-MeFOSE		U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)		U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)		U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)		U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)		U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)		U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)		U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)		U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)		U
375-73-5	Perfluorobutanesulfonic acid (PFBS)		U
335-76-2	Perfluorodecanoic acid (PFDA)		U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	all samples ND - no qual	0.0040
307-55-1	Perfluorododecanoic acid (PFDoA)		U
375-85-9	Perfluoroheptanoic acid (PFHpA)		U

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB3	File ID:	QQQ421571.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/08/25 00:25	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ng/mL)	Q
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		U
307-24-4	Perfluorohexanoic acid (PFHxA)		U
375-22-4	Perfluoro-n-butanoic acid (PFBA)		U
375-95-1	Perfluorononanoic acid (PFNA)		U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		U
335-67-1	Perfluorooctanoic acid (PFOA)		U
2706-90-3	Perfluoropentanoic acid (PFPeA)		U
376-06-7	Perfluorotetradecanoic acid (PFTA)		U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		U
2058-94-8	Perfluoroundecanoic acid (PFUnA)		U
1180-95-6	Taurodeoxycholic Acid (TDCA)		U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
d3-N-MeFOSAA	5.00	4.40	88.0	40 - 135	
d5-N-EtFOSAA	5.00	4.23	84.6	40 - 150	
d7-N-MeFOSE	25.0	24.4	97.8	20 - 130	
d9-N-EtFOSE	25.0	29.0	116	15 - 130	
d-N-EtFOSA	2.50	2.59	104	10 - 130	
d-N-MeFOSA	2.50	2.29	91.6	10 - 130	
M2-4:2 FTS	4.69	1.72	36.7	40 - 165	*
M2-6:2 FTS	4.76	2.29	48.1	40 - 215	
M2-8:2 FTS	4.80	2.24	46.6	40 - 275	
M2PFTeDA	1.25	1.29	103	20 - 130	
M3HFPO-DA	10.0	9.47	94.7	40 - 130	
M3PFBS	2.33	2.84	122	40 - 135	
M3PFHxS	2.37	2.56	108	40 - 130	
M4PFHpA	2.50	2.48	99.4	40 - 130	
M5PFHxA	2.50	2.18	87.0	40 - 130	
M6PFDA	1.25	1.25	99.9	40 - 130	
M7PFUdA	1.25	1.26	101	40 - 130	

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB3	File ID:	QQQ421571.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/08/25 00:25	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
M9PFNA	1.25	1.44	115	40 - 130	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	1.83	73.0	40 - 130	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	2.49	104	40 - 130	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	1.26	101	40 - 130	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	9.73	97.3	8 - 130	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	4.20	84.1	35 - 130	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	2.60	104	40 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
d3-N-MeFOSAA-EIS	38889.28	7.871367	36433.64	7.862216	
d3-NMeFOSA-EIS	4418.901	10.5054	4218.038	10.51463	
d5-N-EtFOSAA-EIS	29239.46	8.046233	27602.81	8.046284	
d5-NEtFOSA-EIS	4249.626	10.79642	3759.992	10.79648	
d7-NMeFOSE-EIS	132542.4	10.36308	117115.4	10.36315	
d9-NEtFOSE-EIS	123995.6	10.66422	106601.6	10.66428	
M2-4-2FTS-EIS	9151.944	5.560783	7957.644	5.560833	
M2-6-2FTS-EIS	14789.71	6.6833	13190.16	6.683333	
M2-8-2FTS-EIS	12900.86	7.493834	12371.87	7.493883	
M2PFTeDA-EIS	78706.82	9.121634	67888.55	9.121683	
M3-HFPO-DA-EIS	34040.92	6.047266	31136.42	6.047317	
M3PFBA	50167.96	3.159033	44535.38	3.13155	
M3PFBS-EIS	29991.59	5.749483	26398.05	5.749533	
M3PFHxS-EIS	27058.41	6.973617	23425.48	6.973667	
M4PFHpA-EIS	40515.59	6.3906	37452.92	6.39065	
M5PFHxA-EIS	104261.9	5.792183	90488.52	5.792233	
M6PFDA-EIS	52272.31	7.68945	46234.28	7.6803	
M7PFUdA-EIS	69376.48	8.056817	59661.19	8.056867	
MPFDA	73595.36	7.689717	69544.36	7.680567	
MPFHxA	123077.4	5.793817	111058.9	5.784667	
MPFHxS	27060.9	6.9733	26012.08	6.97335	

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB3	File ID:	QQQ421571.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/08/25 00:25	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
MPFNA	101589	7.29325	88561.38	7.293317	
MPFOA	248183	6.879267	225839.1	6.879317	
MPFOS	37227.7	7.811967	34284.13	7.812033	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	38736.55	9.238767	37040.49	9.238833	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	24035.21	7.811683	19730.84	7.811733	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	74175.16	8.423067	65728.36	8.423117	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	132149.2	3.155967	111262.6	3.137667	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	96372.59	4.9195	84822.84	4.910367	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	160927.5	6.878917	143293	6.878967	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	64613.92	7.292933	56177.82	7.293	

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB4	File ID:	QQQ421585.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/08/25 04:00	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ng/mL)	Q
763051-92-9	11CL-PF3OUdS		U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)		U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	all samples ND - no qual	0.0073
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	all samples ND - no qual	0.0016
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)		U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		U
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)		U
756426-58-1	9CL-PF3ONS		U
919005-14-4	ADONA		U
13252-13-6	HFPO-DA (Gen-X)		U
4151-50-2	N-EtFOSA		U
2991-50-6	N-EtFOSAA		U
1691-99-2	N-EtFOSE		U
31506-32-8	N-MeFOSA		U
2355-31-9	N-MeFOSAA		U
24448-09-7	N-MeFOSE		U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)		U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)		U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)		U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)		U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)		U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)		U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)		U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)		U
375-73-5	Perfluorobutanesulfonic acid (PFBS)		U
335-76-2	Perfluorodecanoic acid (PFDA)		U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		U
307-55-1	Perfluorododecanoic acid (PFDoA)		U
375-85-9	Perfluoroheptanoic acid (PFHpA)		U

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB4	File ID:	QQQ421585.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/08/25 04:00	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ng/mL)	Q
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		U
307-24-4	Perfluorohexanoic acid (PFHxA)		U
375-22-4	Perfluoro-n-butanoic acid (PFBA)		U
375-95-1	Perfluorononanoic acid (PFNA)		U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		U
335-67-1	Perfluorooctanoic acid (PFOA)		U
2706-90-3	Perfluoropentanoic acid (PFPeA)		U
376-06-7	Perfluorotetradecanoic acid (PFTA)		U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		U
2058-94-8	Perfluoroundecanoic acid (PFUnA)		U
1180-95-6	Taurodeoxycholic Acid (TDCA)		U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
d3-N-MeFOSAA	5.00	4.47	89.5	40 - 135	
d5-N-EtFOSAA	5.00	4.49	89.8	40 - 150	
d7-N-MeFOSE	25.0	23.7	94.8	20 - 130	
d9-N-EtFOSE	25.0	28.6	115	15 - 130	
d-N-EtFOSA	2.50	2.62	105	10 - 130	
d-N-MeFOSA	2.50	2.60	104	10 - 130	
M2-4:2 FTS	4.69	1.75	37.3	40 - 165	*
M2-6:2 FTS	4.76	2.57	54.0	40 - 215	
M2-8:2 FTS	4.80	2.46	51.3	40 - 275	
M2PFTeDA	1.25	1.29	103	20 - 130	
M3HFPO-DA	10.0	9.12	91.2	40 - 130	
M3PFBS	2.33	2.66	114	40 - 135	
M3PFHxS	2.37	2.42	102	40 - 130	
M4PFHpA	2.50	2.34	93.4	40 - 130	
M5PFHxA	2.50	2.15	85.9	40 - 130	
M6PFDA	1.25	1.25	99.8	40 - 130	
M7PFUdA	1.25	1.25	99.8	40 - 130	

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB4	File ID:	QQQ421585.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/08/25 04:00	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
M9PFNA	1.25	1.47	118	40 - 130	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	1.73	69.4	40 - 130	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	2.47	103	40 - 130	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	1.27	102	40 - 130	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	9.83	98.3	8 - 130	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	4.18	83.5	35 - 130	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	2.54	102	40 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
d3-N-MeFOSAA-EIS	39230.37	7.880567	37510.92	7.871383	
d3-NMeFOSA-EIS	4974.738	10.51458	4096.975	10.51462	
d5-N-EtFOSAA-EIS	30810.96	8.0556	28693.27	8.055616	
d5-NEtFOSA-EIS	4266.429	10.8056	3741.073	10.80563	
d7-NMeFOSE-EIS	127513.9	10.37228	112866.9	10.37232	
d9-NEtFOSE-EIS	121473.4	10.6734	103607.5	10.67343	
M2-4-2FTS-EIS	9858.841	5.569967	8720.56	5.560833	
M2-6-2FTS-EIS	17635.62	6.6925	14918.88	6.692533	
M2-8-2FTS-EIS	15055.07	7.503033	13937.16	7.503067	
M2PFTeDA-EIS	75492.11	9.130816	66335.91	9.13085	
M3-HFPO-DA-EIS	32709	6.05645	30095.01	6.0565	
M3PFBA	49063.95	3.14985	43499.07	3.13155	
M3PFBS-EIS	29857.8	5.758683	26376.33	5.749533	
M3PFHxS-EIS	27200.16	6.982817	22792.8	6.98285	
M4PFHpA-EIS	37976.84	6.3998	34713.04	6.399833	
M5PFHxA-EIS	102581.7	5.792183	89899.69	5.792233	
M6PFDA-EIS	49900.73	7.69865	47676.68	7.698683	
M7PFUdA-EIS	65777.84	8.066016	62874.88	8.06605	
MPFDA	70335.34	7.698916	66413.43	7.69895	
MPFHxA	122717.6	5.793817	110298.2	5.79385	
MPFHxS	28710.39	6.9825	24817.62	6.982533	

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB4	File ID:	QQQ421585.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/08/25 04:00	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
MPFNA	98179.59	7.31165	90690.04	7.302484	
MPFOA	242565.2	6.88845	221303.4	6.888484	
MPFOS	36953.88	7.821167	32497.55	7.8212	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	36540.31	9.238783	37209.75	9.2388	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	23710.74	7.820867	19902	7.8209	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	71523.88	8.432266	60583.49	8.4323	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	130588.4	3.155967	112304.3	3.128483	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	95461.8	4.9195	84211.65	4.919533	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	154067.4	6.888117	139595.1	6.88815	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	63913.41	7.311333	57381.73	7.302166	

FORM I **CALIBRATION BLANK DATA SHEET**

EPA 1633A

not bracketing a sample - no eval ✓

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB5	File ID:	QQQ421594.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/08/25 06:18	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ng/mL)	Q
763051-92-9	11CL-PF3OUdS		U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)		
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)		
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)		
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)		U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		U
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)		U
756426-58-1	9CL-PF3ONS		U
919005-14-4	ADONA		U
13252-13-6	HFPO-DA (Gen-X)		U
4151-50-2	N-EtFOSA		U
2991-50-6	N-EtFOSAA		U
1691-99-2	N-EtFOSE		U
31506-32-8	N-MeFOSA		U
2355-31-9	N-MeFOSAA		U
24448-09-7	N-MeFOSE		U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)		U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)		U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)		U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)		U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)		U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)		U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)		U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)		U
375-73-5	Perfluorobutanesulfonic acid (PFBS)		U
335-76-2	Perfluorodecanoic acid (PFDA)		U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		
307-55-1	Perfluorododecanoic acid (PFDoA)		U
375-85-9	Perfluoroheptanoic acid (PFHpA)		U

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

not bracketing a sample - no eval

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB5	File ID:	QQQ421594.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/08/25 06:18	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

CAS NO.	COMPOUND	CONC. (ng/mL)	Q
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		U
307-24-4	Perfluorohexanoic acid (PFHxA)		U
375-22-4	Perfluoro-n-butanoic acid (PFBA)		U
375-95-1	Perfluorononanoic acid (PFNA)		U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		U
335-67-1	Perfluorooctanoic acid (PFOA)		U
2706-90-3	Perfluoropentanoic acid (PFPeA)		U
376-06-7	Perfluorotetradecanoic acid (PFTA)		U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		U
2058-94-8	Perfluoroundecanoic acid (PFUnA)		U
1180-95-6	Taurodeoxycholic Acid (TDCA)		U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
d3-N-MeFOSAA	5.00	4.71	94.2	40 - 135	
d5-N-EtFOSAA	5.00	4.82	96.3	40 - 150	
d7-N-MeFOSE	25.0	24.8	99.3	20 - 130	
d9-N-EtFOSE	25.0	30.0	120	15 - 130	
d-N-EtFOSA	2.50	2.68	107	10 - 130	
d-N-MeFOSA	2.50	2.54	102	10 - 130	
M2-4:2 FTS	4.69	1.89	40.4	40 - 165	
M2-6:2 FTS	4.76	2.74	57.6	40 - 215	
M2-8:2 FTS	4.80	2.90	60.4	40 - 275	
M2PFTeDA	1.25	1.26	101	20 - 130	
M3HFPO-DA	10.0	9.22	92.2	40 - 130	
M3PFBS	2.33	2.67	115	40 - 135	
M3PFHxS	2.37	2.39	101	40 - 130	
M4PFHpA	2.50	2.33	93.4	40 - 130	
M5PFHxA	2.50	2.18	87.2	40 - 130	
M6PFDA	1.25	1.13	90.2	40 - 130	
M7PFUdA	1.25	1.21	96.5	40 - 130	

FORM I

CALIBRATION BLANK DATA SHEET

EPA 1633A

not bracketing a sample - no eval

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB5	File ID:	QQQ421594.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/08/25 06:18	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
M9PFNA	1.25	1.42	114	40 - 130	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	1.85	74.2	40 - 130	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	2.42	101	40 - 130	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	1.19	95.0	40 - 130	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	9.86	98.6	8 - 130	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	4.33	86.6	35 - 130	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	2.59	104	40 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
d3-N-MeFOSAA-EIS	40596.5	7.871367	35505.97	7.871367	
d3-NMeFOSA-EIS	4785.078	10.5054	4169.461	10.51458	
d5-N-EtFOSAA-EIS	32480.48	8.046233	28527.48	8.055583	
d5-NEtFOSA-EIS	4289.525	10.79642	3683.404	10.8056	
d7-NMeFOSE-EIS	131319.6	10.3631	116783.5	10.37228	
d9-NEtFOSE-EIS	125105.6	10.66422	107962.5	10.66422	
M2-4-2FTS-EIS	10624.72	5.560783	9357.391	5.560783	
M2-6-2FTS-EIS	18723.61	6.683283	16421.02	6.692483	
M2-8-2FTS-EIS	17654.6	7.503033	14766.83	7.503033	
M2PFTeDA-EIS	77995.97	9.121634	66194.72	9.121634	
M3-HFPO-DA-EIS	32920.23	6.047266	28326.7	6.047266	
M3PFBA	50433.4	3.14985	45363.92	3.122333	
M3PFBS-EIS	29841.01	5.749483	26463.38	5.749483	
M3PFHxS-EIS	26681.45	6.9736	23686.5	6.973617	
M4PFHpA-EIS	37785.37	6.3906	34201.93	6.3998	
M5PFHxA-EIS	103754.3	5.783	93223.64	5.792183	
M6PFDA-EIS	47854.12	7.68945	46328.7	7.68945	
M7PFUdA-EIS	67494.62	8.066016	57459.04	8.066016	
MPFDA	74655	7.689717	66196.98	7.689717	
MPFHxA	122171.5	5.784616	109439.4	5.793817	
MPFHxS	28578.69	6.973283	24810.76	6.9733	

FORM I **CALIBRATION BLANK DATA SHEET**

EPA 1633A

not bracketing a sample - no eval

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	S5I0837-CCB5	File ID:	QQQ421594.d
Prepared:	09/07/25 08:00	Preparation:	BI50120	Initial/Final:	
Analyzed:	09/08/25 06:18	Instrument:	QQQ4		
Batch:	S5I0837	Sequence:	S5I0837	Calibration:	SH50063

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
MPFNA	97666.38	7.30245	89115.74	7.30245	
MPFOA	241657.8	6.87925	227287.5	6.87925	
MPFOS	36315.66	7.811967	34686.43	7.821183	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	38398.51	9.238767	35074.93	9.238783	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	22843.92	7.811666	20861.59	7.820883	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	70907.63	8.423067	62997.2	8.423067	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	134563.6	3.1468	116695.7	3.119267	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	98491.48	4.910316	86268.26	4.910316	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	156410.5	6.878917	139849.1	6.878917	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	61216.78	7.302134	58214.28	7.302134	

LOW-CONCENTRATION CALIBRATION VERIFICATION

ISC - not associated with samples - no eval

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50063
Laboratory ID: S5I0533-LCV1
Sequence: S5I0533
Standard ID: S25H323

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Perfluorobutanesulfonic acid (PFBS)	0.177	0.171	-3.7	30.00
Perfluorohexanoic acid (PFHxA)	0.200	0.182	-8.9	30.00
Perfluoroheptanoic acid (PFHpA)	0.200	0.211	5.3	30.00
Perfluorohexanesulfonic acid (PFHxS)	0.183	0.201	9.8	30.00
Perfluorooctanoic acid (PFOA)	0.200	0.220	9.8	30.00
Perfluorooctanesulfonic acid (PFOS)	0.186	0.197	5.8	30.00
Perfluorononanoic acid (PFNA)	0.200	0.181	-9.6	30.00
Perfluorodecanoic acid (PFDA)	0.200	0.178	-10.9	30.00
Perfluoroundecanoic acid (PFUnA)	0.200	0.202	0.9	30.00
Perfluorododecanoic acid (PFDoA)	0.200	0.237	18.7	30.00
Perfluorotridecanoic acid (PFTrDA)	0.200	0.227	13.6	30.00
Perfluorotetradecanoic acid (PFTA)	0.200	0.187	-6.3	30.00
N-MeFOSAA	0.200	0.178	-11.1	30.00
N-EtFOSAA	0.200	0.188	-5.9	30.00
Perfluoropentanoic acid (PFPeA)	0.400	0.366	-8.5	30.00
Perfluoro-1-octanesulfonamide (FOSA)	0.200	0.182	-9.2	30.00
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.191	0.173	-9.2	30.00
Perfluoro-1-decanesulfonic acid (PFDS)	0.193	0.133	-31.1 *	30.00
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	0.760	0.625	-17.8	30.00
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	0.768	0.610	-20.6	30.00
Perfluoro-n-butanoic acid (PFBA)	0.800	0.733	-8.4	30.00
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.356	0.386	8.4	30.00
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	0.400	0.469	17.3	30.00
Perfluoro-4-oxapentanoic acid (PFMPA)	0.400	0.486	21.4	30.00
Perfluoro-5-oxahexanoic acid (PFMBA)	0.400	0.432	7.9	30.00

LOW-CONCENTRATION CALIBRATION VERIFICATION

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50063
Laboratory ID: S5I0533-LCV1
Sequence: S5I0533
Standard ID: S25H323

Perfluoro-1-pentanesulfonate (PFPeS)	0.188	0.178	-5.6	30.00
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	0.750	0.618	-17.7	30.00
HFPO-DA (Gen-X)	0.800	0.577	-27.9	30.00
11CL-PF3OUdS	0.756	0.852	12.7	30.00
9CL-PF3ONS	0.748	0.649	-13.2	30.00
ADONA	0.756	0.716	-5.2	30.00
Perfluorododecanesulfonic acid (PFDoS)	0.194	0.187	-3.8	30.00
Perfluoro-1-nonanesulfonic acid (PFNS)	0.192	0.0598	-68.9 *	30.00
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	1.00	1.21	21.3	30.00
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	5.00	4.62	-7.5	30.00
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	5.00	4.58	-8.3 ✓	30.00
N-MeFOSE	2.00	2.30	15.2	30.00
N-MeFOSA	0.200	0.222	10.8	30.00
N-EtFOSE	2.00	2.30	15.2	30.00
N-EtFOSA	0.200	0.144	-27.9	30.00
M3PFBS	2.33	2.83	21.5	
M5PFHxA	2.50	2.21	-11.7	
M4PFHpA	2.50	2.32	-7.1	
M3PFHxS	2.37	2.50	5.7	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	2.62	4.8	
M6PFDA	1.25	1.19	-4.9	
M7PFUdA	1.25	1.19	-4.6	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	1.14	-9.0	
M2PFTeDA	1.25	1.17	-6.8	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	10.7	6.6	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	2.51	4.4	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	4.09	-18.2	

LOW-CONCENTRATION CALIBRATION VERIFICATION

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50063
Laboratory ID: S5I0533-LCV1
Sequence: S5I0533
Standard ID: S25H323

Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	2.48	-0.6	
d3-N-MeFOSAA	5.00	4.44	-11.2	
d5-N-EtFOSAA	5.00	4.95	-1.0	
M2-6:2 FTS	4.76	1.68	-64.7	
M2-8:2 FTS	4.80	2.19	-54.4	
M9PFNA	1.25	1.60	27.7	
M2-4:2 FTS	4.69	1.51	-67.8	
d-N-MeFOSA	2.50	1.84	-26.2	
d-N-EtFOSA	2.50	1.90	-23.8	
M3HFPO-DA	10.0	10.6	5.8	
d9-N-EtFOSE	25.0	19.6	-21.6	
d7-N-MeFOSE	25.0	20.5	-18.1	

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

Instrument Sensitivity Check (ISC)

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50063
Laboratory ID: S5I0837-LCV1
Sequence: S5I0837
Standard ID: S25H323

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Perfluorobutanesulfonic acid (PFBS)	0.177	0.183	3.6	30.00
Perfluorohexanoic acid (PFHxA)	0.200	0.179	-10.4 ✓	30.00
Perfluoroheptanoic acid (PFHpA)	0.200	0.195	-2.5	30.00
Perfluorohexanesulfonic acid (PFHxS)	0.183	0.153	-16.3	30.00
Perfluorooctanoic acid (PFOA)	0.200	0.192	-4.2	30.00
Perfluorooctanesulfonic acid (PFOS)	0.186	0.190	2.4 ✓	30.00
Perfluorononanoic acid (PFNA)	0.200	0.183	-8.4	30.00
Perfluorodecanoic acid (PFDA)	0.200	0.178	-11.1	30.00
Perfluoroundecanoic acid (PFUnA)	0.200	0.223	11.4	30.00
Perfluorododecanoic acid (PFDoA)	0.200	0.212	5.8	30.00
Perfluorotridecanoic acid (PFTrDA)	0.200	0.213	6.4	30.00
Perfluorotetradecanoic acid (PFTA)	0.200	0.181	-9.4	30.00
N-MeFOSAA	0.200	0.150	-25.1	30.00
N-EtFOSAA	0.200	0.190	-5.2	30.00
Perfluoropentanoic acid (PFPeA)	0.400	0.347	-13.3 ✓	30.00
Perfluoro-1-octanesulfonamide (FOSA)	0.200	0.187	-6.6	30.00
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.191	0.159	-16.9	30.00
Perfluoro-1-decanesulfonic acid (PFDS)	0.193	0.151	-21.7	30.00
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	0.760	0.621	-18.3	30.00
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	0.768	0.609	-20.7	30.00
Perfluoro-n-butanoic acid (PFBA)	0.800	0.725	-9.3	30.00
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.356	0.386	8.4	30.00
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	0.400	0.658 ↑	64.5 *	30.00
Perfluoro-4-oxapentanoic acid (PFMPA)	0.400	0.425	6.1	30.00
Perfluoro-5-oxahexanoic acid (PFMBA)	0.400	0.395	-1.3	30.00

%drift high, but samples ND - no qual

LOW-CONCENTRATION CALIBRATION VERIFICATION

Instrument Sensitivity Check (ISC)

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50063
Laboratory ID: S5I0837-LCV1
Sequence: S5I0837
Standard ID: S25H323

Perfluoro-1-pentanesulfonate (PFPeS)	0.188	0.175	-6.9	30.00
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	0.750	0.604	-19.5	30.00
HFPO-DA (Gen-X)	0.800	0.466	-41.8 *	30.00
11CL-PF3OUdS	0.756	0.810	7.2	30.00
9CL-PF3ONS	0.748	0.633	-15.4	30.00
ADONA	0.756	0.680	-10.1	30.00
Perfluorododecanesulfonic acid (PFDoS)	0.194	0.157	-18.8	30.00
Perfluoro-1-nonanesulfonic acid (PFNS)	0.192	0.0430	-77.6 *	30.00
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	1.00	1.14	14.4	30.00
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	5.00	4.28	-14.4	30.00
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	5.00	4.25	-15.0	30.00
N-MeFOSE	2.00	2.25	12.7	30.00
N-MeFOSA	0.200	0.193	-3.5	30.00
N-EtFOSE	2.00	2.26	13.2	30.00
N-EtFOSA	0.200	0.264	31.9 *	30.00
M3PFBS	2.33	2.45	5.3	
M5PFHxA	2.50	2.30	-7.8	
M4PFHpA	2.50	2.52	0.7	
M3PFHxS	2.37	2.43	2.4	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	2.71	8.2	
M6PFDA	1.25	1.31	4.9	
M7PFUdA	1.25	1.29	3.4	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	1.36	8.9	
M2PFTeDA	1.25	1.40	12.3	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	10.2	1.7	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	2.55	6.2	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	4.46	-10.7	

%drift high, but samples ND - no qual

%drift low - qual UJ,CV-

~~%drft <30%~~ - qual UR,CV-

%D>30%, sens decr, %R<30%

LOW-CONCENTRATION CALIBRATION VERIFICATION

Instrument Sensitivity Check (ISC)

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50063
Laboratory ID: S5I0837-LCV1
Sequence: S5I0837
Standard ID: S25H323

Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	2.20	-11.8	
d3-N-MeFOSAA	5.00	3.96	-20.9	
d5-N-EtFOSAA	5.00	4.17	-16.5	
M2-6:2 FTS	4.76	1.56	-67.2	
M2-8:2 FTS	4.80	1.63	-66.1	
M9PFNA	1.25	1.46	16.6	
M2-4:2 FTS	4.69	1.44	-69.2	
d-N-MeFOSA	2.50	2.17	-13.1	
d-N-EtFOSA	2.50	1.75	-29.8	
M3HFPO-DA	10.0	11.2	11.6	
d9-N-EtFOSE	25.0	21.8	-12.9	
d7-N-MeFOSE	25.0	20.7	-17.2	

* Values outside of QC limits

Batch Supplementary Data

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Batch Data Path File Name	D:\MassHunter\Data\PFAS\QuantResults\2025-09-07A-1633Final.batch.bin		
Analysis Time Stamp	9/8/2025 3:59:37 PM	**Analyst Name**	CORP\NARCM.UserPFAS
Report Generation Time	9/8/2025 4:13:03 PM	**Report Generator Name**	CORP\NARCM.UserPFAS
Calibration Last Updated Time Stamp	8/28/2025 4:05:26 PM	**Batch State**	Processed
Analyze Quant Version	11.1	**Report Quant Version**	11.1
Acq. Date-Time	9/7/2025 2:28:41 PM	**Data File**	QQQ421532.d
Sample Type	CC	**Sampe Name**	SEQ-LCV1
Dil.	1	**Acq. Method File**	ACQ_QQQ4_EPA1633Final_revA_2025-08-26.m

S/N >3:1 or 10:1 for one quant ion

Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.110	99835	8340	0.819			0.70			1569.27
Perfluoro-n-butanoic acid (PFBA)	3.125	8261	715	0.568			0.56			118.82
PFMPA	4.067	4789	734	0.407			0.85			766.72
3:3FTCA	4.555	220	45	0.277			0.93			29.38
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)	4.929	71865	15067	0.361			1.03			6361.61
Perfluoro-n-pentanoic acid (PFPeA)	4.930	5199	1101	0.280			0.97			84.12
PFMBA	5.243	5823	1216	0.353			1.20			979.39
M2-4-2FTS	5.579	6461	1458	0.340			1.17			3219.90
1H,1H,2H,2H-perfluoro-1-hexanesulfonate (4 2FTS)	5.589	2709	585	0.331			1.00			6808.29
NFDHA	5.724	207	45	0.203			1.11			1043.51
Perfluorobutanesulfonic acid (PFBS)	5.769	2007	395	0.304			1.31			6363.55
M3PFBS	5.768	21869	4639	0.351			1.18			58083.91
M5PFHxA	5.811	77595	17801	0.296			1.09			17801.45
Perfluorohexanoic acid (PFHxA)	5.804	7058	1568	0.277			1.33			297.33
M3-HFPO-DA	6.066	28209	6442	0.331			1.27			1110.63
HFPO-DA	6.066	765	203	0.178			1.29			270.22
PFEESA	6.126	15522	3414	0.341			1.26			1061.59
5-3FTCA	6.374	9307	2171	0.324			1.88			2506.80
M4PFHpA	6.418	28849	6674	0.297			1.08			16313.34
Perfluoroheptanoic acid (PFHpA)	6.419	7109	1602	0.296			1.09			132.59
Perfluoro-1-pentanesulfonate (L-PFPeS)	6.467	2395	489	0.343			1.22			75.63
ADONA	6.613	39396	9459	0.325			1.29			27335.61
M2-6-2FTS	6.702	8509	1975	0.330			1.28			1975.29

Batch Supplementary Data

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Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
1H,1H,2H,2H-perfluoro-1-octanesulfonate (6 2FTS)	6.702	3133	732	0.333			1.15			22472.91
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	6.897	126689	29835	0.334			1.29			93595.23
Perfluorooctanoic acid (PFOA)	6.898	9371	2170	0.268			1.40			69.38
M3PFHxS	6.992	21627	4801	0.334			1.17			44188.06
Perfluorohexanesulfonic acid (PFHxS)	6.993	2072	400	0.371			0.57			400.20
TDCA	7.033	0	0	0.000			1.00			0.00
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)	7.320	50016	12012	0.288			1.20			118989.86
Perfluorononanoic acid (PFNA)	7.321	7924	1773	0.334			1.12			731.12
Perfluoro-1-heptanesulfonate (L-PFHpS)	7.434	1718	419	0.241			1.16			419.49
1H,1H,2H,2H-perfluoro-1-decanesulfonate (8 2FTS)	7.513	2117	489	0.259			1.08			1770.35
M2-8-2FTS	7.512	7910	1903	0.269			1.31			12549.70
7-3FTCA	7.545	14319	2917	0.371			1.87			199.49
M6PFDA	7.708	40103	9191	0.333			1.29			54484.35
Perfluorodecanoic acid (PFDA)	7.709	7311	1614	0.306			1.43			148.21
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	7.839	18873	4393	0.300			1.22			395.99
Perfluorooctanesulfonic acid (PFOS)	7.849	2612	428	0.398			1.12			428.13
d3-N-MeFOSAA	7.890	26763	6278	0.305			1.44			15002.78
N-MeFOSAA	7.900	992	210	0.369			1.38			210.30
d5-N-EtFOSAA	8.074	22091	4827	0.324			1.22			169.45
N-EtFOSAA	8.084	973	181	0.435			1.10			180.54
M7PFUdA	8.084	52102	11869	0.334			1.28			48556.20
Perfluoroundecanoic acid (PFUnA)	8.085	8554	2012	0.277			1.17			135.39
9-Cl-PF3ONS	8.161	31784	7277	0.297			1.09			8597.86
Perfluorononanesulfonate (L-PFNS)	8.225	1939	445	0.287			1.13			99.80
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.460	58518	12911	0.295			1.03			69334.66
Perfluorododecanoic acid (PFDoA)	8.461	6198	1329	0.352			1.11			489.90
Perfluoro-1-decanesulfonate (L-PFDS)	8.591	1253	248	0.352			0.96			1721.51
Perfluorotridecanoic acid (PFTrDA)	8.810	7551	1651	0.277			1.05			353.72

Batch Supplementary Data

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Name	RT	Resp.	Height	Width	Resolution F.	Resolution R.	Symmetry	Plates	Capacity Factor	S/N
11-Cl-PF3OUdS	8.894	18588	4160	0.333			1.18			4160.00
M2PFTeDA	9.149	62627	14588	0.340			1.14			45106.87
Perfluorotetradecanoic acid (PFTA)	9.150	9860	2308	0.331			1.16			254.62
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	9.248	35815	8622	0.321			1.57			13570.94
Perfluoro-1-octanesulfonamide (FOSA)	9.249	3414	794	0.321			1.28			470.40
Perfluorododecanesulfonic acid (PFDoS)	9.271	599	134	0.237			1.17			60.69
d7-NMeFOSE	10.372	85974	20961	0.285			1.27			3715.23
NMeFOSE	10.392	7630	1847	0.340			1.26			652.75
d3-NMeFOSA	10.515	3211	791	0.303			1.50			925.37
NMeFOSA	10.516	259	64	0.266			1.87			41.06
d9-NEtFOSE	10.673	71223	17965	0.285			1.19			2838.76
NEtFOSE	10.693	8698	2128	0.285			1.19			2128.45
d5-NEtFOSA	10.806	2200	555	0.229			1.24			401.06
NEtFOSA	10.807	299	77	0.312			1.44			1259.97

1573

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2836	Instrument:	QQQ4
		Calibration:	SH50063

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	S5H2836-CAL1	QQQ421166.d	08/27/25 12:50
Cal Standard	S5H2836-CAL2	QQQ421167.d	08/27/25 13:05
Cal Standard	S5H2836-CAL3	QQQ421168.d	08/27/25 13:21
Cal Standard	S5H2836-CAL4	QQQ421169.d	08/27/25 13:36
Cal Standard	S5H2836-CAL5	QQQ421170.d	08/27/25 13:51
Cal Standard	S5H2836-CAL6	QQQ421171.d	08/27/25 14:06
Cal Standard	S5H2836-CAL7	QQQ421172.d	08/27/25 14:22
Cal Standard	S5H2836-CAL8	QQQ421173.d	08/27/25 14:37
Calibration Blank	S5H2836-CCB2	QQQ421175.d	08/27/25 15:07
Secondary Cal Check	S5H2836-SCV1	QQQ421176.d	08/27/25 15:23
Performance Mix	S5H2836-PEM1	QQQ421178.d	08/27/25 15:53

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0533	Instrument:	QQQ4
		Calibration:	SH50063

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Low Cal Check	S5I0533-LCV1	QQQ421444.d	09/05/25 10:21
Calibration Check	S5I0533-CCV1	QQQ421445.d	09/05/25 10:36
Calibration Blank	S5I0533-CCB1	QQQ421448.d	09/05/25 11:22
Blank	BI50241-BLK1	QQQ421449.d	09/05/25 11:38
LCS	BI50241-BS1	QQQ421450.d	09/05/25 11:54
LCS	BI50241-BS2	QQQ421451.d	09/05/25 12:09
Performance Mix	S5I0533-PEM1	QQQ421452.d	09/05/25 12:24
Field Blank	25H1535-12	QQQ421469.d	09/05/25 12:40
Calibration Check	S5I0533-CCV2	QQQ421475.d	09/05/25 16:49
Calibration Blank	S5I0533-CCB2	QQQ421476.d	09/05/25 17:04
Calibration Check	S5I0533-CCV3	QQQ421484.d	09/05/25 19:07
Calibration Blank	S5I0533-CCB3	QQQ421485.d	09/05/25 19:22
Calibration Check	S5I0533-CCV4	QQQ421495.d	09/05/25 21:55
Calibration Blank	S5I0533-CCB4	QQQ421496.d	09/05/25 22:11

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0837	Instrument:	QQQ4
		Calibration:	SH50063

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Low Cal Check	S5I0837-LCV1	QQQ421532.d	09/07/25 14:28
Calibration Check	S5I0837-CCV1	QQQ421534.d	09/07/25 14:59
Calibration Blank	S5I0837-CCB1	QQQ421536.d	09/07/25 15:29
LCS	BI50372-BS1	QQQ421541.d	09/07/25 16:46
Blank	BI50372-BLK1	QQQ421542.d	09/07/25 17:01
LCS	BI50372-BS2	QQQ421543.d	09/07/25 17:17
Performance Mix	S5I0837-PEM1	QQQ421547.d	09/07/25 18:18
Calibration Check	S5I0837-CCV2	QQQ421558.d	09/07/25 21:06
Calibration Blank	S5I0837-CCB2	QQQ421559.d	09/07/25 21:22
HVAC SW North-S-1	25H1535-01RE1	QQQ421564.d	09/07/25 22:38
HVAC SW South-S-1	25H1535-02RE1	QQQ421565.d	09/07/25 22:54
HVAC SW East-S-1	25H1535-03RE1	QQQ421566.d	09/07/25 23:09
HVAC SW West-S-1	25H1535-04RE1	QQQ421567.d	09/07/25 23:24
HVAC SW North 1-3	25H1535-05RE1	QQQ421568.d	09/07/25 23:39
HVAC SW South 1-3	25H1535-06RE1	QQQ421569.d	09/07/25 23:55
Calibration Check	S5I0837-CCV3	QQQ421570.d	09/08/25 00:10
Calibration Blank	S5I0837-CCB3	QQQ421571.d	09/08/25 00:25
HVAC SW East 1-3	25H1535-07RE1	QQQ421572.d	09/08/25 00:41
HVAC SW West 1-3	25H1535-08RE1	QQQ421573.d	09/08/25 00:56
HVAC Bottom 3 ft	25H1535-09RE1	QQQ421574.d	09/08/25 01:11
HVAC Bottom 3 ft	BI50372-MS1	QQQ421575.d	09/08/25 01:27
HVAC Bottom 3 ft	BI50372-MSD1	QQQ421576.d	09/08/25 01:42
HVAC DUP	25H1535-10RE1	QQQ421577.d	09/08/25 01:57
Calibration Check	S5I0837-CCV4	QQQ421584.d	09/08/25 03:44
Calibration Blank	S5I0837-CCB4	QQQ421585.d	09/08/25 04:00
Calibration Check	S5I0837-CCV5	QQQ421593.d	09/08/25 06:03
Calibration Blank	S5I0837-CCB5	QQQ421594.d	09/08/25 06:18

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2836

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H2836-CAL1)			Lab File ID: QQQ421166.d			Analyzed: 08/27/25 12:50			
M3PFBA	45671.46	3.325767	43119.85	3.32575	106	50 - 200	0.0000	+/-0.50	
MPFDA	50768.47	7.82	51473.97	7.819983	99	50 - 200	0.0000	+/-0.50	
MPFHxA	85845.88	5.895583	80747.38	5.895566	106	50 - 200	0.0000	+/-0.50	
MPFHxS	20708.02	7.102933	20714.7	7.1029	100	50 - 200	0.0000	+/-0.50	
MPFNA	72511.28	7.413917	73945.98	7.413917	98	50 - 200	0.0000	+/-0.50	
MPFOA	192735.3	6.99075	188562.8	6.990733	102	50 - 200	0.0000	+/-0.50	
MPFOS	27062	7.959267	26653.52	7.95925	102	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	41545.13	7.413633	38999.86	7.413617	107	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	120647.6	6.990433	123504.7	6.990417	98	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	78486.55	5.020467	77384.65	5.02045	101	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	122288.9	3.323467	120786.6	3.32345	101	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	52158.86	8.57045	52248.88	8.570434	100	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	17690.1	7.958967	17144.72	7.958967	103	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	38860.82	9.3123	38990.11	9.312284	100	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	51606.55	8.195733	50394.54	8.195717	102	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	37336.3	7.8105	35375.72	7.810483	106	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	81434.7	5.894134	81608.38	5.9033	100	0 - 500	-0.0092	+/-0.50	
M4PFHpA-EIS	27782.09	6.50225	25709.55	6.502234	108	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	19656.26	7.103233	19057.2	7.103217	103	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	20844.62	5.87865	21235.13	5.878633	98	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	24246.97	6.166917	24922.52	6.1577	97	0 - 500	0.0092	+/-0.50	
M2PFTeDA-EIS	51929.31	9.2687	51579.46	9.268683	101	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	23399.77	7.614284	22250.02	7.614267	105	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	26234.16	6.793817	25512.65	6.7938	103	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	21187.23	5.671134	20899.42	5.671117	101	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	76765.42	10.70103	79067.05	10.70102	97	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	98998.17	10.39992	99632.35	10.40908	99	0 - 500	-0.0092	+/-0.50	
d5-NEtFOSA-EIS	2975.183	10.83323	2918.048	10.83322	102	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	25880.14	8.14765	25785.29	8.147634	100	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	3157.403	10.5514	3577.766	10.55138	88	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	32105.53	7.972633	33730.91	7.972617	95	0 - 500	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2836

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H2836-CAL2)			Lab File ID: QQQ421167.d			Analyzed: 08/27/25 13:05			
M3PFBA	42316.34	3.325767	43119.85	3.32575	98	50 - 200	0.0000	+/-0.50	
MPFDA	46801.02	7.820017	51473.97	7.819983	91	50 - 200	0.0000	+/-0.50	
MPFHxA	77524.79	5.895583	80747.38	5.895566	96	50 - 200	0.0000	+/-0.50	
MPFHxS	18496.71	7.10295	20714.7	7.1029	89	50 - 200	0.0000	+/-0.50	
MPFNA	69868.87	7.41395	73945.98	7.413917	94	50 - 200	0.0000	+/-0.50	
MPFOA	183842.4	6.990783	188562.8	6.990733	97	50 - 200	0.0001	+/-0.50	
MPFOS	24448.78	7.959283	26653.52	7.95925	92	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	40275.02	7.41365	38999.86	7.413617	103	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	114885.7	6.990467	123504.7	6.990417	93	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	75519.63	5.02965	77384.65	5.02045	98	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	116855.2	3.323483	120786.6	3.32345	97	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	47759.52	8.570467	52248.88	8.570434	91	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	17669.26	7.959	17144.72	7.958967	103	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	38063.43	9.312317	38990.11	9.312284	98	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	45353.03	8.19575	50394.54	8.195717	90	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	35570.83	7.819716	35375.72	7.810483	101	0 - 500	0.0092	+/-0.50	
M5PFHxA-EIS	79831.84	5.894134	81608.38	5.9033	98	0 - 500	-0.0092	+/-0.50	
M4PFHpA-EIS	27027.05	6.502267	25709.55	6.502234	105	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	19796.66	7.09405	19057.2	7.103217	104	0 - 500	-0.0092	+/-0.50	
M3PFBS-EIS	19854.09	5.878667	21235.13	5.878633	93	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	24766.97	6.157733	24922.52	6.1577	99	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	49526.05	9.268717	51579.46	9.268683	96	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	22640.78	7.6143	22250.02	7.614267	102	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	25122.4	6.793833	25512.65	6.7938	98	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	21419.59	5.671134	20899.42	5.671117	102	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	72973.76	10.70107	79067.05	10.70102	92	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	93768.01	10.39993	99632.35	10.40908	94	0 - 500	-0.0091	+/-0.50	
d5-NEtFOSA-EIS	2946.937	10.83327	2918.048	10.83322	101	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	25104.54	8.157383	25785.29	8.147634	97	0 - 500	0.0097	+/-0.50	
d3-NMeFOSA-EIS	3377.363	10.55142	3577.766	10.55138	94	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	31337.71	7.97265	33730.91	7.972617	93	0 - 500	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2836

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H2836-CAL3)			Lab File ID: QQQ421168.d			Analyzed: 08/27/25 13:21			
M3PFBA	44037.66	3.32575	43119.85	3.32575	102	50 - 200	0.0000	+/-0.50	
MPFDA	50865.05	7.810783	51473.97	7.819983	99	50 - 200	-0.0092	+/-0.50	
MPFHxA	79561.7	5.895566	80747.38	5.895566	99	50 - 200	0.0000	+/-0.50	
MPFHxS	20202.45	7.1029	20714.7	7.1029	98	50 - 200	0.0000	+/-0.50	
MPFNA	74667.99	7.4139	73945.98	7.413917	101	50 - 200	0.0000	+/-0.50	
MPFOA	187757.4	6.990733	188562.8	6.990733	100	50 - 200	0.0000	+/-0.50	
MPFOS	27946.56	7.95005	26653.52	7.95925	105	50 - 200	-0.0092	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	39942.25	7.4136	38999.86	7.413617	102	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	114354.4	6.990417	123504.7	6.990417	93	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	76827.98	5.02045	77384.65	5.02045	99	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	118687.4	3.32345	120786.6	3.32345	98	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	50691.13	8.570434	52248.88	8.570434	97	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	16554.84	7.95895	17144.72	7.958967	97	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	39121.7	9.312284	38990.11	9.312284	100	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	49872.39	8.195717	50394.54	8.195717	99	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	36967.04	7.810483	35375.72	7.810483	104	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	77904.86	5.9033	81608.38	5.9033	95	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	26839.51	6.512617	25709.55	6.502234	104	0 - 500	0.0104	+/-0.50	
M3PFHxS-EIS	20026.74	7.103217	19057.2	7.103217	105	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	20242.19	5.878633	21235.13	5.878633	95	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	25669.59	6.1669	24922.52	6.1577	103	0 - 500	0.0092	+/-0.50	
M2PFTeDA-EIS	52866.09	9.268683	51579.46	9.268683	102	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	22119.96	7.614267	22250.02	7.614267	99	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	25896.76	6.793783	25512.65	6.7938	102	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	20515.34	5.671117	20899.42	5.671117	98	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	76795.05	10.70103	79067.05	10.70102	97	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	99860.06	10.3999	99632.35	10.40908	100	0 - 500	-0.0092	+/-0.50	
d5-NEtFOSA-EIS	3010.666	10.83323	2918.048	10.83322	103	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	26118.58	8.147634	25785.29	8.147634	101	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	3473.651	10.55138	3577.766	10.55138	97	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	32654.27	7.972617	33730.91	7.972617	97	0 - 500	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2836

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H2836-CAL4)			Lab File ID: QQQ421169.d			Analyzed: 08/27/25 13:36			
M3PFBA	43119.85	3.32575	43119.85	3.32575	100	50 - 200	0.0000	+/-0.50	
MPFDA	51473.97	7.819983	51473.97	7.819983	100	50 - 200	0.0000	+/-0.50	
MPFHxA	80747.38	5.895566	80747.38	5.895566	100	50 - 200	0.0000	+/-0.50	
MPFHxS	20714.7	7.1029	20714.7	7.1029	100	50 - 200	0.0000	+/-0.50	
MPFNA	73945.98	7.413917	73945.98	7.413917	100	50 - 200	0.0000	+/-0.50	
MPFOA	188562.8	6.990733	188562.8	6.990733	100	50 - 200	0.0000	+/-0.50	
MPFOS	26653.52	7.95925	26653.52	7.95925	100	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	38999.86	7.413617	38999.86	7.413617	100	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	123504.7	6.990417	123504.7	6.990417	100	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	77384.65	5.02045	77384.65	5.02045	100	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	120786.6	3.32345	120786.6	3.32345	100	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	52248.88	8.570434	52248.88	8.570434	100	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	17144.72	7.958967	17144.72	7.958967	100	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	38990.11	9.312284	38990.11	9.312284	100	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	50394.54	8.195717	50394.54	8.195717	100	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	35375.72	7.810483	35375.72	7.810483	100	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	81608.38	5.9033	81608.38	5.9033	100	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	25709.55	6.502234	25709.55	6.502234	100	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	19057.2	7.103217	19057.2	7.103217	100	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	21235.13	5.878633	21235.13	5.878633	100	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	24922.52	6.1577	24922.52	6.1577	100	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	51579.46	9.268683	51579.46	9.268683	100	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	22250.02	7.614267	22250.02	7.614267	100	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	25512.65	6.7938	25512.65	6.7938	100	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	20899.42	5.671117	20899.42	5.671117	100	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	79067.05	10.70102	79067.05	10.70102	100	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	99632.35	10.40908	99632.35	10.40908	100	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	2918.048	10.83322	2918.048	10.83322	100	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	25785.29	8.147634	25785.29	8.147634	100	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	3577.766	10.55138	3577.766	10.55138	100	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	33730.91	7.972617	33730.91	7.972617	100	0 - 500	0.0000	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2836

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H2836-CAL5)			Lab File ID: QQQ421170.d			Analyzed: 08/27/25 13:51			
M3PFBA	43786.91	3.334917	43119.85	3.32575	102	50 - 200	0.0092	+/-0.50	
MPFDA	52540.77	7.819983	51473.97	7.819983	102	50 - 200	0.0000	+/-0.50	
MPFHxA	81813.86	5.90475	80747.38	5.895566	101	50 - 200	0.0092	+/-0.50	
MPFHxS	20523.77	7.1029	20714.7	7.1029	99	50 - 200	0.0000	+/-0.50	
MPFNA	74216.21	7.423567	73945.98	7.413917	100	50 - 200	0.0097	+/-0.50	
MPFOA	192312.5	6.999933	188562.8	6.990733	102	50 - 200	0.0092	+/-0.50	
MPFOS	26225.34	7.95925	26653.52	7.95925	98	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	40606.57	7.423234	38999.86	7.413617	104	0 - 500	0.0096	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	113074.9	6.999617	123504.7	6.990417	92	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	74045.05	5.029617	77384.65	5.02045	96	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	112024.3	3.332633	120786.6	3.32345	93	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	49117.48	8.570434	52248.88	8.570434	94	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	16347.39	7.95895	17144.72	7.958967	95	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	37639.82	9.3123	38990.11	9.312284	97	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	46570.74	8.195717	50394.54	8.195717	92	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	35449.05	7.819684	35375.72	7.810483	100	0 - 500	0.0092	+/-0.50	
M5PFHxA-EIS	74656.88	5.9033	81608.38	5.9033	91	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	25528.06	6.512617	25709.55	6.502234	99	0 - 500	0.0104	+/-0.50	
M3PFHxS-EIS	19119.67	7.103217	19057.2	7.103217	100	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	19502.11	5.878633	21235.13	5.878633	92	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	23234.57	6.1669	24922.52	6.1577	93	0 - 500	0.0092	+/-0.50	
M2PFTeDA-EIS	50315.98	9.268683	51579.46	9.268683	98	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	19991.74	7.614267	22250.02	7.614267	90	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	22514.27	6.793783	25512.65	6.7938	88	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	18356.48	5.671117	20899.42	5.671117	88	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	76070.08	10.70103	79067.05	10.70102	96	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	96126.07	10.40908	99632.35	10.40908	96	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	2658.159	10.84242	2918.048	10.83322	91	0 - 500	0.0092	+/-0.50	
d5-N-EtFOSAA-EIS	23578.44	8.15735	25785.29	8.147634	91	0 - 500	0.0097	+/-0.50	
d3-NMeFOSA-EIS	3248.117	10.55138	3577.766	10.55138	91	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	30773.88	7.972617	33730.91	7.972617	91	0 - 500	0.0000	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2836

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H2836-CAL6)			Lab File ID: QQQ421171.d			Analyzed: 08/27/25 14:06			
M3PFBA	42688.92	3.353267	43119.85	3.32575	99	50 - 200	0.0275	+/-0.50	
MPFDA	52319.71	7.819983	51473.97	7.819983	102	50 - 200	0.0000	+/-0.50	
MPFHxA	81635.06	5.90475	80747.38	5.895566	101	50 - 200	0.0092	+/-0.50	
MPFHxS	20850.17	7.102917	20714.7	7.1029	101	50 - 200	0.0000	+/-0.50	
MPFNA	70779.16	7.423567	73945.98	7.413917	96	50 - 200	0.0097	+/-0.50	
MPFOA	191872.6	6.990733	188562.8	6.990733	102	50 - 200	0.0000	+/-0.50	
MPFOS	27053.84	7.95925	26653.52	7.95925	102	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	37197.21	7.423234	38999.86	7.413617	95	0 - 500	0.0096	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	112729.8	6.999617	123504.7	6.990417	91	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	72217.4	5.029617	77384.65	5.02045	93	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	108544.1	3.350983	120786.6	3.32345	90	0 - 500	0.0275	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	48641.93	8.570434	52248.88	8.570434	93	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	17293.02	7.95895	17144.72	7.958967	101	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	36719.32	9.312284	38990.11	9.312284	94	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	45088.58	8.195717	50394.54	8.195717	89	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	37688.29	7.819684	35375.72	7.810483	107	0 - 500	0.0092	+/-0.50	
M5PFHxA-EIS	76355.13	5.9033	81608.38	5.9033	94	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	26508.98	6.512617	25709.55	6.502234	103	0 - 500	0.0104	+/-0.50	
M3PFHxS-EIS	19193.48	7.103217	19057.2	7.103217	101	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	18642.56	5.887816	21235.13	5.878633	88	0 - 500	0.0092	+/-0.50	
M3-HFPO-DA-EIS	23419.32	6.1669	24922.52	6.1577	94	0 - 500	0.0092	+/-0.50	
M2PFTeDA-EIS	53444.61	9.268683	51579.46	9.268683	104	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	18629.12	7.614267	22250.02	7.614267	84	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	19357.57	6.7938	25512.65	6.7938	76	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	16506.99	5.671117	20899.42	5.671117	79	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	78026.48	10.70102	79067.05	10.70102	99	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	96993.54	10.40908	99632.35	10.40908	97	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	2980.246	10.83322	2918.048	10.83322	102	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	24549.66	8.147634	25785.29	8.147634	95	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	3416.775	10.55138	3577.766	10.55138	96	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	30840.49	7.972617	33730.91	7.972617	91	0 - 500	0.0000	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2836

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H2836-CAL7)			Lab File ID: QQQ421172.d			Analyzed: 08/27/25 14:22			
M3PFBA	40879.17	3.334917	43119.85	3.32575	95	50 - 200	0.0092	+/-0.50	
MPFDA	55067.18	7.819983	51473.97	7.819983	107	50 - 200	0.0000	+/-0.50	
MPFHxA	81836.38	5.895566	80747.38	5.895566	101	50 - 200	0.0000	+/-0.50	
MPFHxS	21619.51	7.0937	20714.7	7.1029	104	50 - 200	-0.0092	+/-0.50	
MPFNA	74712.54	7.413917	73945.98	7.413917	101	50 - 200	0.0000	+/-0.50	
MPFOA	194485.2	6.990733	188562.8	6.990733	103	50 - 200	0.0000	+/-0.50	
MPFOS	28042.4	7.959267	26653.52	7.95925	105	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	42663.37	7.413617	38999.86	7.413617	109	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	128072.1	6.990417	123504.7	6.990417	104	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	76631.4	5.029617	77384.65	5.02045	99	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	113975.9	3.332633	120786.6	3.32345	94	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	56431.42	8.570434	52248.88	8.570434	108	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	19104.07	7.958967	17144.72	7.958967	111	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	40611.61	9.3123	38990.11	9.312284	104	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	49847.71	8.195717	50394.54	8.195717	99	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	39661.7	7.8197	35375.72	7.810483	112	0 - 500	0.0092	+/-0.50	
M5PFHxA-EIS	82910.63	5.8941	81608.38	5.9033	102	0 - 500	-0.0092	+/-0.50	
M4PFHpA-EIS	26773.09	6.502234	25709.55	6.502234	104	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	22124.09	7.094017	19057.2	7.103217	116	0 - 500	-0.0092	+/-0.50	
M3PFBS-EIS	20906.66	5.878633	21235.13	5.878633	98	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	23125.8	6.1577	24922.52	6.1577	93	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	59111.48	9.2687	51579.46	9.268683	115	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	20027.77	7.614267	22250.02	7.614267	90	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	18895.82	6.7846	25512.65	6.7938	74	0 - 500	-0.0092	+/-0.50	
M2-4-2FTS-EIS	14694.82	5.661917	20899.42	5.671117	70	0 - 500	-0.0092	+/-0.50	
d9-NEtFOSE-EIS	82874.52	10.70103	79067.05	10.70102	105	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	105049.6	10.40908	99632.35	10.40908	105	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	3296.147	10.84242	2918.048	10.83322	113	0 - 500	0.0092	+/-0.50	
d5-N-EtFOSAA-EIS	25658.85	8.147634	25785.29	8.147634	100	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	3758.155	10.55138	3577.766	10.55138	105	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	35026.84	7.972617	33730.91	7.972617	104	0 - 500	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2836

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H2836-CAL8)			Lab File ID: QQQ421173.d			Analyzed: 08/27/25 14:37			
M3PFBA	32332.41	3.32575	43119.85	3.32575	75	50 - 200	0.0000	+/-0.50	
MPFDA	51911.66	7.810783	51473.97	7.819983	101	50 - 200	-0.0092	+/-0.50	
MPFHxA	68982.52	5.90475	80747.38	5.895566	85	50 - 200	0.0092	+/-0.50	
MPFHxS	19921.78	7.102933	20714.7	7.1029	96	50 - 200	0.0000	+/-0.50	
MPFNA	68267.64	7.413917	73945.98	7.413917	92	50 - 200	0.0000	+/-0.50	
MPFOA	170793.5	6.99075	188562.8	6.990733	91	50 - 200	0.0000	+/-0.50	
MPFOS	27016.22	7.950067	26653.52	7.95925	101	50 - 200	-0.0092	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	38259.78	7.413633	38999.86	7.413617	98	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	110746.4	6.990433	123504.7	6.990417	90	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	62834.42	5.02045	77384.65	5.02045	81	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	91513.43	3.332633	120786.6	3.32345	76	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	54363.9	8.57045	52248.88	8.570434	104	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	17248.74	7.958967	17144.72	7.958967	101	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	35280.4	9.3123	38990.11	9.312284	90	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	46593.14	8.195733	50394.54	8.195717	92	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	34312.69	7.8105	35375.72	7.810483	97	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	66185.58	5.9033	81608.38	5.9033	81	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	24675.82	6.512633	25709.55	6.502234	96	0 - 500	0.0104	+/-0.50	
M3PFHxS-EIS	20124.24	7.103233	19057.2	7.103217	106	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	17813.84	5.878633	21235.13	5.878633	84	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	17310.16	6.1669	24922.52	6.1577	69	0 - 500	0.0092	+/-0.50	
M2PFTeDA-EIS	58388.72	9.259517	51579.46	9.268683	113	0 - 500	-0.0092	+/-0.50	
M2-8-2FTS-EIS	18520.82	7.614284	22250.02	7.614267	83	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	14905.13	6.7938	25512.65	6.7938	58	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	12203.2	5.671117	20899.42	5.671117	58	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	72550.35	10.70103	79067.05	10.70102	92	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	90025.98	10.39992	99632.35	10.40908	90	0 - 500	-0.0092	+/-0.50	
d5-NEtFOSA-EIS	2788.227	10.84242	2918.048	10.83322	96	0 - 500	0.0092	+/-0.50	
d5-N-EtFOSAA-EIS	22148.72	8.147634	25785.29	8.147634	86	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	3769.452	10.5514	3577.766	10.55138	105	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	27737.95	7.972633	33730.91	7.972617	82	0 - 500	0.0000	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2836

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Blank (S5H2836-CCB2)			Lab File ID: QQQ421175.d			Analyzed: 08/27/25 15:07			
M3PFBA	48054.57	3.316567	43119.85	3.32575	111	50 - 200	-0.0092	+/-0.50	
MPFDA	53667.88	7.810783	51473.97	7.819983	104	50 - 200	-0.0092	+/-0.50	
MPFHxA	86796.31	5.895566	80747.38	5.895566	107	50 - 200	0.0000	+/-0.50	
MPFHxS	21567.74	7.102917	20714.7	7.1029	104	50 - 200	0.0000	+/-0.50	
MPFNA	80643.31	7.413917	73945.98	7.413917	109	50 - 200	0.0000	+/-0.50	
MPFOA	204674.7	6.99075	188562.8	6.990733	109	50 - 200	0.0000	+/-0.50	
MPFOS	29423.06	7.95005	26653.52	7.95925	110	50 - 200	-0.0092	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	44120.04	7.413617	38999.86	7.413617	113	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	126560.1	6.990433	123504.7	6.990417	102	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	84654.35	5.02045	77384.65	5.02045	109	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	130079.3	3.32345	120786.6	3.32345	108	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	56000.85	8.57045	52248.88	8.570434	107	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	19284.29	7.958967	17144.72	7.958967	112	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	41874.66	9.3123	38990.11	9.312284	107	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	52000.41	8.186533	50394.54	8.195717	103	0 - 500	-0.0092	+/-0.50	
M6PFDA-EIS	42039.72	7.8105	35375.72	7.810483	119	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	85678.6	5.894117	81608.38	5.9033	105	0 - 500	-0.0092	+/-0.50	
M4PFHpA-EIS	27971.21	6.50225	25709.55	6.502234	109	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	21789.12	7.094033	19057.2	7.103217	114	0 - 500	-0.0092	+/-0.50	
M3PFBS-EIS	21715.5	5.878633	21235.13	5.878633	102	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	26703.11	6.1577	24922.52	6.1577	107	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	60289.1	9.259517	51579.46	9.268683	117	0 - 500	-0.0092	+/-0.50	
M2-8-2FTS-EIS	24147.81	7.614284	22250.02	7.614267	109	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	26146.63	6.7938	25512.65	6.7938	102	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	23027.52	5.661933	20899.42	5.671117	110	0 - 500	-0.0092	+/-0.50	
d9-NEtFOSE-EIS	86646.66	10.70103	79067.05	10.70102	110	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	108753.2	10.39992	99632.35	10.40908	109	0 - 500	-0.0092	+/-0.50	
d5-NEtFOSA-EIS	3395.116	10.83323	2918.048	10.83322	116	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	28599.8	8.147634	25785.29	8.147634	111	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	3423.783	10.55138	3577.766	10.55138	96	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	36433.26	7.972633	33730.91	7.972617	108	0 - 500	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2836

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Secondary Cal Check (S5H2836-SCV1)			Lab File ID: QQQ421176.d			Analyzed: 08/27/25 15:23			
M3PFBA	43277.65	3.316617	43119.85	3.32575	100	50 - 200	-0.0091	+/-0.50	
MPFDA	50196.15	7.810817	51473.97	7.819983	98	50 - 200	-0.0092	+/-0.50	
MPFHxA	79633.55	5.8956	80747.38	5.895566	99	50 - 200	0.0000	+/-0.50	
MPFHxS	19674.76	7.09375	20714.7	7.1029	95	50 - 200	-0.0091	+/-0.50	
MPFNA	69775.16	7.41395	73945.98	7.413917	94	50 - 200	0.0000	+/-0.50	
MPFOA	184313.3	6.990783	188562.8	6.990733	98	50 - 200	0.0001	+/-0.50	
MPFOS	26095.39	7.950083	26653.52	7.95925	98	50 - 200	-0.0092	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	41409.26	7.41365	38999.86	7.413617	106	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	116245.4	6.990467	123504.7	6.990417	94	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	77950.36	5.020483	77384.65	5.02045	101	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	120410	3.323483	120786.6	3.32345	100	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	52836.79	8.561283	52248.88	8.570434	101	0 - 500	-0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	17527.44	7.949783	17144.72	7.958967	102	0 - 500	-0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	38848.18	9.30315	38990.11	9.312284	100	0 - 500	-0.0091	+/-0.50	
M7PFUdA-EIS	49070.41	8.18655	50394.54	8.195717	97	0 - 500	-0.0092	+/-0.50	
M6PFDA-EIS	37926.11	7.810517	35375.72	7.810483	107	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	80634.47	5.89415	81608.38	5.9033	99	0 - 500	-0.0091	+/-0.50	
M4PFHpA-EIS	27195.36	6.502267	25709.55	6.502234	106	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	19256.86	7.09405	19057.2	7.103217	101	0 - 500	-0.0092	+/-0.50	
M3PFBS-EIS	21044.47	5.878667	21235.13	5.878633	99	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	25735.26	6.157733	24922.52	6.1577	103	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	54522.26	9.259533	51579.46	9.268683	106	0 - 500	-0.0091	+/-0.50	
M2-8-2FTS-EIS	22870.7	7.6051	22250.02	7.614267	103	0 - 500	-0.0092	+/-0.50	
M2-6-2FTS-EIS	23237.93	6.793833	25512.65	6.7938	91	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	20255.37	5.67115	20899.42	5.671117	97	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	80521.73	10.71023	79067.05	10.70102	102	0 - 500	0.0092	+/-0.50	
d7-NMeFOSE-EIS	99299.63	10.40912	99632.35	10.40908	100	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	2764.343	10.84243	2918.048	10.83322	95	0 - 500	0.0092	+/-0.50	
d5-N-EtFOSAA-EIS	26697.78	8.138467	25785.29	8.147634	104	0 - 500	-0.0092	+/-0.50	
d3-NMeFOSA-EIS	3338.444	10.55142	3577.766	10.55138	93	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	33010.12	7.96345	33730.91	7.972617	98	0 - 500	-0.0092	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2836

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Performance Mix (S5H2836-PEM1)			Lab File ID: QQQ421178.d			Analyzed: 08/27/25 15:53			
M3PFBA	45397.05	3.32575	43119.85	3.32575	105	50 - 200	0.0000	+/-0.50	
MPFDA	54080.79	7.810783	51473.97	7.819983	105	50 - 200	-0.0092	+/-0.50	
MPFHxA	85417.52	5.895566	80747.38	5.895566	106	50 - 200	0.0000	+/-0.50	
MPFHxS	21427.64	7.1029	20714.7	7.1029	103	50 - 200	0.0000	+/-0.50	
MPFNA	75874.7	7.4139	73945.98	7.413917	103	50 - 200	0.0000	+/-0.50	
MPFOA	193310.5	6.990733	188562.8	6.990733	103	50 - 200	0.0000	+/-0.50	
MPFOS	28270.38	7.95005	26653.52	7.95925	106	50 - 200	-0.0092	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	47557.91	7.413617	38999.86	7.413617	122	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	139421.9	6.990417	123504.7	6.990417	113	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	90946.75	5.02045	77384.65	5.02045	118	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	138701.6	3.32345	120786.6	3.32345	115	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	59428.24	8.570434	52248.88	8.570434	114	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	19367	7.94975	17144.72	7.958967	113	0 - 500	-0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	44242.4	9.3123	38990.11	9.312284	113	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	56621.38	8.195717	50394.54	8.195717	112	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	44242.55	7.810483	35375.72	7.810483	125	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	94492.6	5.8941	81608.38	5.9033	116	0 - 500	-0.0092	+/-0.50	
M4PFHpA-EIS	30824.95	6.502234	25709.55	6.502234	120	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	22883.68	7.094017	19057.2	7.103217	120	0 - 500	-0.0092	+/-0.50	
M3PFBS-EIS	24296.9	5.878633	21235.13	5.878633	114	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	28811.11	6.1577	24922.52	6.1577	116	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	62643.54	9.259517	51579.46	9.268683	121	0 - 500	-0.0092	+/-0.50	
M2-8-2FTS-EIS	26066.89	7.605067	22250.02	7.614267	117	0 - 500	-0.0092	+/-0.50	
M2-6-2FTS-EIS	23924.66	6.7846	25512.65	6.7938	94	0 - 500	-0.0092	+/-0.50	
M2-4-2FTS-EIS	22964.05	5.661917	20899.42	5.671117	110	0 - 500	-0.0092	+/-0.50	
d9-NEtFOSE-EIS	92878.79	10.70103	79067.05	10.70102	117	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	115684.2	10.40908	99632.35	10.40908	116	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	3327.058	10.83323	2918.048	10.83322	114	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	30046.95	8.147634	25785.29	8.147634	117	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	4062.657	10.55138	3577.766	10.55138	114	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	39334.79	7.972617	33730.91	7.972617	117	0 - 500	0.0000	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0533

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Low Cal Check (S5I0533-LCV1)			Lab File ID: QQQ421444.d			Analyzed: 09/05/25 10:21			
M3PFBA	34481.79	3.168217	43119.85	3.32575	80	50 - 200	-0.1575	+/-0.50	
MPFDA	60302.31	7.73625	51473.97	7.819983	117	50 - 200	-0.0837	+/-0.50	
MPFHxA	85398.71	5.830583	80747.38	5.895566	106	50 - 200	-0.0650	+/-0.50	
MPFHxS	20239.93	7.0193	20714.7	7.1029	98	50 - 200	-0.0836	+/-0.50	
MPFNA	72255.31	7.34825	73945.98	7.413917	98	50 - 200	-0.0657	+/-0.50	
MPFOA	175656.3	6.925267	188562.8	6.990733	93	50 - 200	-0.0655	+/-0.50	
MPFOS	26408	7.876417	26653.52	7.95925	99	50 - 200	-0.0828	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	50937.05	7.347933	38999.86	7.413617	131	0 - 500	-0.0657	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	115014.5	6.924917	123504.7	6.990417	93	0 - 500	-0.0655	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	65044.85	4.947033	77384.65	5.02045	84	0 - 500	-0.0734	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	99544.26	3.16515	120786.6	3.32345	82	0 - 500	-0.1583	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	54853.52	8.487817	52248.88	8.570434	105	0 - 500	-0.0826	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	17182.05	7.866917	17144.72	7.958967	100	0 - 500	-0.0921	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	37395.38	9.25715	38990.11	9.312284	96	0 - 500	-0.0551	+/-0.50	
M7PFUdA-EIS	53889.07	8.11205	50394.54	8.195717	107	0 - 500	-0.0837	+/-0.50	
M6PFDA-EIS	40741.71	7.735967	35375.72	7.810483	115	0 - 500	-0.0745	+/-0.50	
M5PFHxA-EIS	73448.16	5.828967	81608.38	5.9033	90	0 - 500	-0.0743	+/-0.50	
M4PFHpA-EIS	26265.48	6.4376	25709.55	6.502234	102	0 - 500	-0.0646	+/-0.50	
M3PFHxS-EIS	19810.68	7.019617	19057.2	7.103217	104	0 - 500	-0.0836	+/-0.50	
M3PFBS-EIS	22387.16	5.79545	21235.13	5.878633	105	0 - 500	-0.0832	+/-0.50	
M3-HFPO-DA-EIS	26407.09	6.093233	24922.52	6.1577	106	0 - 500	-0.0645	+/-0.50	
M2PFTeDA-EIS	58320.34	9.176766	51579.46	9.268683	113	0 - 500	-0.0919	+/-0.50	
M2-8-2FTS-EIS	9435.405	7.539866	22250.02	7.614267	42	0 - 500	-0.0744	+/-0.50	
M2-6-2FTS-EIS	8124.421	6.7293	25512.65	6.7938	32	0 - 500	-0.0645	+/-0.50	
M2-4-2FTS-EIS	6000.391	5.597583	20899.42	5.671117	29	0 - 500	-0.0735	+/-0.50	
d9-NEtFOSE-EIS	59460.22	10.66422	79067.05	10.70102	75	0 - 500	-0.0368	+/-0.50	
d7-NMeFOSE-EIS	78719.41	10.3631	99632.35	10.40908	79	0 - 500	-0.0460	+/-0.50	
d5-NEtFOSA-EIS	2212.511	10.79642	2918.048	10.83322	76	0 - 500	-0.0368	+/-0.50	
d5-N-EtFOSAA-EIS	24273.17	8.083217	25785.29	8.147634	94	0 - 500	-0.0644	+/-0.50	
d3-NMeFOSA-EIS	2525.803	10.51458	3577.766	10.55138	71	0 - 500	-0.0368	+/-0.50	
d3-N-MeFOSAA-EIS	27829.63	7.908183	33730.91	7.972617	83	0 - 500	-0.0644	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0533

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5I0533-CCV1)			Lab File ID: QQQ421445.d			Analyzed: 09/05/25 10:36			
M3PFBA	32481.51	3.14985	43119.85	3.32575	75	50 - 200	-0.1759	+/-0.50	
MPFDA	54566.29	7.746033	51473.97	7.819983	106	50 - 200	-0.0740	+/-0.50	
MPFHxA	83694.79	5.830567	80747.38	5.895566	104	50 - 200	-0.0650	+/-0.50	
MPFHxS	20095.35	7.0285	20714.7	7.1029	97	50 - 200	-0.0744	+/-0.50	
MPFNA	69620.23	7.34825	73945.98	7.413917	94	50 - 200	-0.0657	+/-0.50	
MPFOA	169538.1	6.925267	188562.8	6.990733	90	50 - 200	-0.0655	+/-0.50	
MPFOS	27296.59	7.876417	26653.52	7.95925	102	50 - 200	-0.0828	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	45003.53	7.347917	38999.86	7.413617	115	0 - 500	-0.0657	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	106631.3	6.924917	123504.7	6.990417	86	0 - 500	-0.0655	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	63391.06	4.93785	77384.65	5.02045	82	0 - 500	-0.0826	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	87642.03	3.1468	120786.6	3.32345	73	0 - 500	-0.1767	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	51011.96	8.487817	52248.88	8.570434	98	0 - 500	-0.0826	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	16491.25	7.876117	17144.72	7.958967	96	0 - 500	-0.0829	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	31258.43	9.25715	38990.11	9.312284	80	0 - 500	-0.0551	+/-0.50	
M7PFUdA-EIS	47767.93	8.12125	50394.54	8.195717	95	0 - 500	-0.0745	+/-0.50	
M6PFDA-EIS	38891.82	7.745717	35375.72	7.810483	110	0 - 500	-0.0648	+/-0.50	
M5PFHxA-EIS	67568.19	5.82895	81608.38	5.9033	83	0 - 500	-0.0743	+/-0.50	
M4PFHpA-EIS	24108.56	6.437583	25709.55	6.502234	94	0 - 500	-0.0647	+/-0.50	
M3PFHxS-EIS	19157	7.028817	19057.2	7.103217	101	0 - 500	-0.0744	+/-0.50	
M3PFBS-EIS	20165.64	5.78625	21235.13	5.878633	95	0 - 500	-0.0924	+/-0.50	
M3-HFPO-DA-EIS	24177	6.093233	24922.52	6.1577	97	0 - 500	-0.0645	+/-0.50	
M2PFTeDA-EIS	53401.96	9.18595	51579.46	9.268683	104	0 - 500	-0.0827	+/-0.50	
M2-8-2FTS-EIS	7917.766	7.549067	22250.02	7.614267	36	0 - 500	-0.0652	+/-0.50	
M2-6-2FTS-EIS	7147.496	6.7293	25512.65	6.7938	28	0 - 500	-0.0645	+/-0.50	
M2-4-2FTS-EIS	6286.883	5.597567	20899.42	5.671117	30	0 - 500	-0.0736	+/-0.50	
d9-NEtFOSE-EIS	57523.64	10.66422	79067.05	10.70102	73	0 - 500	-0.0368	+/-0.50	
d7-NMeFOSE-EIS	74193.15	10.37228	99632.35	10.40908	74	0 - 500	-0.0368	+/-0.50	
d5-NEtFOSA-EIS	2221.788	10.79642	2918.048	10.83322	76	0 - 500	-0.0368	+/-0.50	
d5-N-EtFOSAA-EIS	20049.51	8.0924	25785.29	8.147634	78	0 - 500	-0.0552	+/-0.50	
d3-NMeFOSA-EIS	2795.07	10.51458	3577.766	10.55138	78	0 - 500	-0.0368	+/-0.50	
d3-N-MeFOSAA-EIS	25700.47	7.917383	33730.91	7.972617	76	0 - 500	-0.0552	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0533

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Blank (S5I0533-CCB1)			Lab File ID: QQQ421448.d			Analyzed: 09/05/25 11:22			
M3PFBA	37773.34	3.18815	32481.51	3.14985	116	50 - 200	0.0383	+/-0.50	
MPFDA	66804.55	7.74605	54566.29	7.746033	122	50 - 200	0.0000	+/-0.50	
MPFHxA	100053.1	5.830616	83694.79	5.830567	120	50 - 200	0.0000	+/-0.50	
MPFHxS	22906.96	7.019333	20095.35	7.0285	114	50 - 200	-0.0092	+/-0.50	
MPFNA	84225.62	7.348283	69620.23	7.34825	121	50 - 200	0.0000	+/-0.50	
MPFOA	200877.9	6.925283	169538.1	6.925267	118	50 - 200	0.0000	+/-0.50	
MPFOS	30339.7	7.876433	27296.59	7.876417	111	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	56473.6	7.34795	45003.53	7.347917	125	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	127262.2	6.92495	106631.3	6.924917	119	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	77111.4	4.947067	63391.06	4.93785	122	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	104519.2	3.18585	87642.03	3.1468	119	0 - 500	0.0391	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	59870.89	8.487833	51011.96	8.487817	117	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	19501.43	7.876133	16491.25	7.876117	118	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	35812.93	9.257167	31258.43	9.25715	115	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	56730.81	8.121284	47767.93	8.12125	119	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	45234.05	7.745733	38891.82	7.745717	116	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	84124.35	5.828983	67568.19	5.82895	125	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	28363.4	6.437617	24108.56	6.437583	118	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	21299.72	7.01965	19157	7.028817	111	0 - 500	-0.0092	+/-0.50	
M3PFBS-EIS	23803.06	5.795467	20165.64	5.78625	118	0 - 500	0.0092	+/-0.50	
M3-HFPO-DA-EIS	31294.57	6.093266	24177	6.093233	129	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	64673.69	9.185966	53401.96	9.18595	121	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	9419.883	7.549083	7917.766	7.549067	119	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	8605.867	6.729317	7147.496	6.7293	120	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	6963.703	5.6068	6286.883	5.597567	111	0 - 500	0.0092	+/-0.50	
d9-NEtFOSE-EIS	85948.64	10.67343	57523.64	10.66422	149	0 - 500	0.0092	+/-0.50	
d7-NMeFOSE-EIS	103120	10.3723	74193.15	10.37228	139	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	3034.055	10.80563	2221.788	10.79642	137	0 - 500	0.0092	+/-0.50	
d5-N-EtFOSAA-EIS	25735.11	8.092433	20049.51	8.0924	128	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	3503.135	10.52378	2795.07	10.51458	125	0 - 500	0.0092	+/-0.50	
d3-N-MeFOSAA-EIS	33099.83	7.917417	25700.47	7.917383	129	0 - 500	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0533

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Blank (BI50241-BLK1)			Lab File ID: QQQ421449.d			Analyzed: 09/05/25 11:38			
M3PFBA	32623.18	3.1682	32481.51	3.14985	100	50 - 200	0.0184	+/-0.50	
MPFDA	55915.18	7.746017	54566.29	7.746033	102	50 - 200	0.0000	+/-0.50	
MPFHxA	83596.04	5.830567	83694.79	5.830567	100	50 - 200	0.0000	+/-0.50	
MPFHxS	19935.85	7.019283	20095.35	7.0285	99	50 - 200	-0.0092	+/-0.50	
MPFNA	70537.94	7.34825	69620.23	7.34825	101	50 - 200	0.0000	+/-0.50	
MPFOA	175590.6	6.92525	169538.1	6.925267	104	50 - 200	0.0000	+/-0.50	
MPFOS	26163.39	7.8764	27296.59	7.876417	96	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	62113.41	7.347917	45003.53	7.347917	138	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	145184.7	6.924917	106631.3	6.924917	136	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	90813.14	4.947033	63391.06	4.93785	143	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	117469	3.174317	87642.03	3.1468	134	0 - 500	0.0275	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	63487.54	8.487817	51011.96	8.487817	124	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	20237.63	7.876117	16491.25	7.876117	123	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	39887.57	9.257133	31258.43	9.25715	128	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	62236.2	8.12125	47767.93	8.12125	130	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	51481.84	7.7457	38891.82	7.745717	132	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	92020.17	5.82895	67568.19	5.82895	136	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	32250.08	6.437583	24108.56	6.437583	134	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	23409.25	7.0196	19157	7.028817	122	0 - 500	-0.0092	+/-0.50	
M3PFBS-EIS	25454.02	5.795434	20165.64	5.78625	126	0 - 500	0.0092	+/-0.50	
M3-HFPO-DA-EIS	31717.91	6.093233	24177	6.093233	131	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	62005.73	9.185933	53401.96	9.18595	116	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	11248.1	7.549067	7917.766	7.549067	142	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	10359.95	6.729283	7147.496	6.7293	145	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	8264.042	5.597567	6286.883	5.597567	131	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	73049.06	10.6734	57523.64	10.66422	127	0 - 500	0.0092	+/-0.50	
d7-NMeFOSE-EIS	91117.7	10.37227	74193.15	10.37228	123	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	2497.386	10.8056	2221.788	10.79642	112	0 - 500	0.0092	+/-0.50	
d5-N-EtFOSAA-EIS	27807.49	8.0924	20049.51	8.0924	139	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	3402.715	10.51457	2795.07	10.51458	122	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	35018.03	7.917383	25700.47	7.917383	136	0 - 500	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0533

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (BI50241-BS1)			Lab File ID: QQQ421450.d			Analyzed: 09/05/25 11:54			
M3PFBA	30198.51	3.14985	32481.51	3.14985	93	50 - 200	0.0000	+/-0.50	
MPFDA	57688.2	7.746017	54566.29	7.746033	106	50 - 200	0.0000	+/-0.50	
MPFHxA	82004.56	5.830567	83694.79	5.830567	98	50 - 200	0.0000	+/-0.50	
MPFHxS	19941.81	7.019283	20095.35	7.0285	99	50 - 200	-0.0092	+/-0.50	
MPFNA	71125.82	7.34825	69620.23	7.34825	102	50 - 200	0.0000	+/-0.50	
MPFOA	170532.6	6.92525	169538.1	6.925267	101	50 - 200	0.0000	+/-0.50	
MPFOS	25896.35	7.8764	27296.59	7.876417	95	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	62772.4	7.347917	45003.53	7.347917	139	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	146926.5	6.9249	106631.3	6.924917	138	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	86966.48	4.947033	63391.06	4.93785	137	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	109015.3	3.137617	87642.03	3.1468	124	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	65094.86	8.4878	51011.96	8.487817	128	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	21723.83	7.8761	16491.25	7.876117	132	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	41919.71	9.257133	31258.43	9.25715	134	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	65617.36	8.112033	47767.93	8.12125	137	0 - 500	-0.0092	+/-0.50	
M6PFDA-EIS	50729.19	7.7457	38891.82	7.745717	130	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	89032.81	5.82895	67568.19	5.82895	132	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	33770.67	6.437583	24108.56	6.437583	140	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	23908.51	7.0288	19157	7.028817	125	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	25648.27	5.795434	20165.64	5.78625	127	0 - 500	0.0092	+/-0.50	
M3-HFPO-DA-EIS	31247.93	6.093233	24177	6.093233	129	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	54513.89	9.185933	53401.96	9.18595	102	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	11023.42	7.54905	7917.766	7.549067	139	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	9679.579	6.729283	7147.496	6.7293	135	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	8049.457	5.597567	6286.883	5.597567	128	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	74200.84	10.67338	57523.64	10.66422	129	0 - 500	0.0092	+/-0.50	
d7-NMeFOSE-EIS	93702.3	10.37227	74193.15	10.37228	126	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	2725.376	10.8056	2221.788	10.79642	123	0 - 500	0.0092	+/-0.50	
d5-N-EtFOSAA-EIS	29468.91	8.0832	20049.51	8.0924	147	0 - 500	-0.0092	+/-0.50	
d3-NMeFOSA-EIS	3577.638	10.51457	2795.07	10.51458	128	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	36631.66	7.908183	25700.47	7.917383	143	0 - 500	-0.0092	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0533

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (BI50241-BS2)			Lab File ID: QQQ421451.d			Analyzed: 09/05/25 12:09			
M3PFBA	30323.6	3.159033	32481.51	3.14985	93	50 - 200	0.0092	+/-0.50	
MPFDA	55698.27	7.746017	54566.29	7.746033	102	50 - 200	0.0000	+/-0.50	
MPFHxA	83853.2	5.830567	83694.79	5.830567	100	50 - 200	0.0000	+/-0.50	
MPFHxS	18641.58	7.028483	20095.35	7.0285	93	50 - 200	0.0000	+/-0.50	
MPFNA	65570.13	7.34825	69620.23	7.34825	94	50 - 200	0.0000	+/-0.50	
MPFOA	168877.6	6.92525	169538.1	6.925267	100	50 - 200	0.0000	+/-0.50	
MPFOS	26737.98	7.8764	27296.59	7.876417	98	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	57451.19	7.347917	45003.53	7.347917	128	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	133155.6	6.924917	106631.3	6.924917	125	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	84300.94	4.947033	63391.06	4.93785	133	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	104059.7	3.155967	87642.03	3.1468	119	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	59980.79	8.4878	51011.96	8.487817	118	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	19641.17	7.8761	16491.25	7.876117	119	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	34574.14	9.257133	31258.43	9.25715	111	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	60007.19	8.121233	47767.93	8.12125	126	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	50191.02	7.7457	38891.82	7.745717	129	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	86396.33	5.82895	67568.19	5.82895	128	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	30498.53	6.4468	24108.56	6.437583	127	0 - 500	0.0092	+/-0.50	
M3PFHxS-EIS	21864.66	7.0288	19157	7.028817	114	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	23092.25	5.795434	20165.64	5.78625	115	0 - 500	0.0092	+/-0.50	
M3-HFPO-DA-EIS	28476.55	6.093233	24177	6.093233	118	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	46919.75	9.185933	53401.96	9.18595	88	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	10012.15	7.54905	7917.766	7.549067	126	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	9641.286	6.729283	7147.496	6.7293	135	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	7500.024	5.606767	6286.883	5.597567	119	0 - 500	0.0092	+/-0.50	
d9-NEtFOSE-EIS	70421.21	10.67338	57523.64	10.66422	122	0 - 500	0.0092	+/-0.50	
d7-NMeFOSE-EIS	87060.02	10.37227	74193.15	10.37228	117	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	2614.726	10.80558	2221.788	10.79642	118	0 - 500	0.0092	+/-0.50	
d5-N-EtFOSAA-EIS	30226.57	8.0924	20049.51	8.0924	151	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	3463.569	10.51457	2795.07	10.51458	124	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	36717.83	7.917383	25700.47	7.917383	143	0 - 500	0.0000	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0533

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Performance Mix (S5I0533-PEM1)			Lab File ID: QQQ421452.d			Analyzed: 09/05/25 12:24			
M3PFBA	32897.99	3.177383	32481.51	3.14985	101	50 - 200	0.0275	+/-0.50	
MPFDA	60952.87	7.746017	54566.29	7.746033	112	50 - 200	0.0000	+/-0.50	
MPFHxA	88028.84	5.830567	83694.79	5.830567	105	50 - 200	0.0000	+/-0.50	
MPFHxS	20155.41	7.019283	20095.35	7.0285	100	50 - 200	-0.0092	+/-0.50	
MPFNA	72450.39	7.34825	69620.23	7.34825	104	50 - 200	0.0000	+/-0.50	
MPFOA	181056	6.92525	169538.1	6.925267	107	50 - 200	0.0000	+/-0.50	
MPFOS	25943.96	7.8764	27296.59	7.876417	95	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	57039.08	7.347917	45003.53	7.347917	127	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	133341.7	6.9249	106631.3	6.924917	125	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	79585.48	4.947033	63391.06	4.93785	126	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	105756.2	3.174317	87642.03	3.1468	121	0 - 500	0.0275	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	65868.75	8.4878	51011.96	8.487817	129	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	19851.71	7.8761	16491.25	7.876117	120	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	35690.01	9.257133	31258.43	9.25715	114	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	59402.94	8.121233	47767.93	8.12125	124	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	50195.31	7.7457	38891.82	7.745717	129	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	85633.63	5.82895	67568.19	5.82895	127	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	31370.78	6.446784	24108.56	6.437583	130	0 - 500	0.0092	+/-0.50	
M3PFHxS-EIS	22437.79	7.0196	19157	7.028817	117	0 - 500	-0.0092	+/-0.50	
M3PFBS-EIS	24934.51	5.795434	20165.64	5.78625	124	0 - 500	0.0092	+/-0.50	
M3-HFPO-DA-EIS	30227.01	6.093233	24177	6.093233	125	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	57338.43	9.185933	53401.96	9.18595	107	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	11075.04	7.54905	7917.766	7.549067	140	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	24569.44	6.729283	7147.496	6.7293	344	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	7354.995	5.597567	6286.883	5.597567	117	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	88382.47	10.67338	57523.64	10.66422	154	0 - 500	0.0092	+/-0.50	
d7-NMeFOSE-EIS	104402.2	10.37227	74193.15	10.37228	141	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	3142.822	10.80558	2221.788	10.79642	141	0 - 500	0.0092	+/-0.50	
d5-N-EtFOSAA-EIS	29981.82	8.0924	20049.51	8.0924	150	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	3532.173	10.51457	2795.07	10.51458	126	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	35907.89	7.908167	25700.47	7.917383	140	0 - 500	-0.0092	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0533

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Field Blank (25H1535-12)			Lab File ID: QQQ421469.d			Analyzed: 09/05/25 12:40			
M3PFBA	33007.95	3.177383	32481.51	3.14985	102	50 - 200	0.0275	+/-0.50	
MPFDA	59482	7.736233	54566.29	7.746033	109	50 - 200	-0.0098	+/-0.50	
MPFHxA	85310.66	5.830567	83694.79	5.830567	102	50 - 200	0.0000	+/-0.50	
MPFHxS	20839.27	7.028483	20095.35	7.0285	104	50 - 200	0.0000	+/-0.50	
MPFNA	69903	7.34825	69620.23	7.34825	100	50 - 200	0.0000	+/-0.50	
MPFOA	175830.8	6.92525	169538.1	6.925267	104	50 - 200	0.0000	+/-0.50	
MPFOS	26506.44	7.8764	27296.59	7.876417	97	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	64938.84	7.347917	45003.53	7.347917	144	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	152512.7	6.9249	106631.3	6.924917	143	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	92389.16	4.947033	63391.06	4.93785	146	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	117915.6	3.174317	87642.03	3.1468	135	0 - 500	0.0275	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	59371.2	8.487817	51011.96	8.487817	116	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	20775.77	7.8761	16491.25	7.876117	126	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	41112.66	9.257133	31258.43	9.25715	132	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	62586.91	8.112033	47767.93	8.12125	131	0 - 500	-0.0092	+/-0.50	
M6PFDA-EIS	51277.62	7.7457	38891.82	7.745717	132	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	95145.27	5.82895	67568.19	5.82895	141	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	35634.55	6.437583	24108.56	6.437583	148	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	24027.55	7.0288	19157	7.028817	125	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	25862.95	5.795434	20165.64	5.78625	128	0 - 500	0.0092	+/-0.50	
M3-HFPO-DA-EIS	33839.16	6.093233	24177	6.093233	140	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	52681.47	9.17675	53401.96	9.18595	99	0 - 500	-0.0092	+/-0.50	
M2-8-2FTS-EIS	11444.55	7.54905	7917.766	7.549067	145	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	11613.17	6.729283	7147.496	6.7293	162	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	8017.063	5.597567	6286.883	5.597567	128	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	67933.21	10.67338	57523.64	10.66422	118	0 - 500	0.0092	+/-0.50	
d7-NMeFOSE-EIS	84210.3	10.37227	74193.15	10.37228	114	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	2439.764	10.80558	2221.788	10.79642	110	0 - 500	0.0092	+/-0.50	
d5-N-EtFOSAA-EIS	29437.14	8.083183	20049.51	8.0924	147	0 - 500	-0.0092	+/-0.50	
d3-NMeFOSA-EIS	3440.692	10.52375	2795.07	10.51458	123	0 - 500	0.0092	+/-0.50	
d3-N-MeFOSAA-EIS	37285.9	7.908167	25700.47	7.917383	145	0 - 500	-0.0092	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5I0533

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: QQQ4

Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5I0533-CCV2)			Lab File ID: QQQ421475.d			Analyzed: 09/05/25 16:49			
M3PFBA	34346.68	3.1407	32481.51	3.14985	106	50 - 200	-0.0091	+/-0.50	
MPFDA	66527.92	7.74605	54566.29	7.746033	122	50 - 200	0.0000	+/-0.50	
MPFHxA	98367.57	5.830583	83694.79	5.830567	118	50 - 200	0.0000	+/-0.50	
MPFHxS	21153.94	7.028517	20095.35	7.0285	105	50 - 200	0.0000	+/-0.50	
MPFNA	80853.36	7.348267	69620.23	7.34825	116	50 - 200	0.0000	+/-0.50	
MPFOA	191763	6.934467	169538.1	6.925267	113	50 - 200	0.0092	+/-0.50	
MPFOS	28782.57	7.876433	27296.59	7.876417	105	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	51027.52	7.347933	45003.53	7.347917	113	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	120721.5	6.934134	106631.3	6.924917	113	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	71834.73	4.94705	63391.06	4.93785	113	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	91603.77	3.146817	87642.03	3.1468	105	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	57347.05	8.487833	51011.96	8.487817	112	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	17875.01	7.876133	16491.25	7.876117	108	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	33933.8	9.25715	31258.43	9.25715	109	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	54405.6	8.121266	47767.93	8.12125	114	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	45133.05	7.745733	38891.82	7.745717	116	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	75475.43	5.828967	67568.19	5.82895	112	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	26968.23	6.446816	24108.56	6.437583	112	0 - 500	0.0092	+/-0.50	
M3PFHxS-EIS	18728.12	7.028833	19157	7.028817	98	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	21168.88	5.79545	20165.64	5.78625	105	0 - 500	0.0092	+/-0.50	
M3-HFPO-DA-EIS	25087.76	6.09325	24177	6.093233	104	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	47997.23	9.176766	53401.96	9.18595	90	0 - 500	-0.0092	+/-0.50	
M2-8-2FTS-EIS	10937.99	7.549083	7917.766	7.549067	138	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	9361.753	6.729317	7147.496	6.7293	131	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	6864.289	5.606783	6286.883	5.597567	109	0 - 500	0.0092	+/-0.50	
d9-NEtFOSE-EIS	83083.73	10.67342	57523.64	10.66422	144	0 - 500	0.0092	+/-0.50	
d7-NMeFOSE-EIS	96816.23	10.37228	74193.15	10.37228	130	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	2943.902	10.80562	2221.788	10.79642	133	0 - 500	0.0092	+/-0.50	
d5-N-EtFOSAA-EIS	27291.94	8.092417	20049.51	8.0924	136	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	3450.012	10.52377	2795.07	10.51458	123	0 - 500	0.0092	+/-0.50	
d3-N-MeFOSAA-EIS	33961.43	7.9174	25700.47	7.917383	132	0 - 500	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0533

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Blank (S5I0533-CCB2)			Lab File ID: QQQ421476.d			Analyzed: 09/05/25 17:04			
M3PFBA	39724.83	3.1881	34346.68	3.1407	116	50 - 200	0.0474	+/-0.50	
MPFDA	70175.61	7.746033	66527.92	7.74605	105	50 - 200	0.0000	+/-0.50	
MPFHxA	108838.2	5.830567	98367.57	5.830583	111	50 - 200	0.0000	+/-0.50	
MPFHxS	23587.91	7.0285	21153.94	7.028517	112	50 - 200	0.0000	+/-0.50	
MPFNA	87930.05	7.34825	80853.36	7.348267	109	50 - 200	0.0000	+/-0.50	
MPFOA	211286.5	6.93445	191763	6.934467	110	50 - 200	0.0000	+/-0.50	
MPFOS	30615.03	7.876417	28782.57	7.876433	106	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	60387.41	7.347933	51027.52	7.347933	118	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	137776.4	6.934117	120721.5	6.934134	114	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	82732.28	4.947033	71834.73	4.94705	115	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	108924.7	3.185817	91603.77	3.146817	119	0 - 500	0.0390	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	62382.07	8.487833	57347.05	8.487833	109	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	19244.67	7.876117	17875.01	7.876133	108	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	35857.45	9.25715	33933.8	9.25715	106	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	60887.77	8.121266	54405.6	8.121266	112	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	49970.13	7.745717	45133.05	7.745733	111	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	87449.45	5.82895	75475.43	5.828967	116	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	30739.82	6.4468	26968.23	6.446816	114	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	21810.96	7.028817	18728.12	7.028833	116	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	24914.1	5.795434	21168.88	5.79545	118	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	31360.93	6.093233	25087.76	6.09325	125	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	69711.07	9.176766	47997.23	9.176766	145	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	10365.1	7.549067	10937.99	7.549083	95	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	10127.43	6.729283	9361.753	6.729317	108	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	7826.331	5.60675	6864.289	5.606783	114	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	96294.51	10.6734	83083.73	10.67342	116	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	114878.2	10.37228	96816.23	10.37228	119	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	3562.565	10.8056	2943.902	10.80562	121	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	30066.17	8.092417	27291.94	8.092417	110	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	3862.022	10.51458	3450.012	10.52377	112	0 - 500	-0.0092	+/-0.50	
d3-N-MeFOSAA-EIS	36559.45	7.9174	33961.43	7.9174	108	0 - 500	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5I0533

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: QQQ4

Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5I0533-CCV3)			Lab File ID: QQQ421484.d			Analyzed: 09/05/25 19:07			
M3PFBA	30897.46	3.1407	34346.68	3.1407	90	50 - 200	0.0000	+/-0.50	
MPFDA	63174.64	7.755233	66527.92	7.74605	95	50 - 200	0.0092	+/-0.50	
MPFHxA	92682.88	5.840433	98367.57	5.830583	94	50 - 200	0.0099	+/-0.50	
MPFHxS	21274.91	7.028517	21153.94	7.028517	101	50 - 200	0.0000	+/-0.50	
MPFNA	74642.16	7.36665	80853.36	7.348267	92	50 - 200	0.0184	+/-0.50	
MPFOA	188070.1	6.934467	191763	6.934467	98	50 - 200	0.0000	+/-0.50	
MPFOS	29220.1	7.885633	28782.57	7.876433	102	50 - 200	0.0092	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	50550.21	7.366333	51027.52	7.347933	99	0 - 500	0.0184	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	115658.2	6.934134	120721.5	6.934134	96	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	69981.12	4.947033	71834.73	4.94705	97	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	85404.11	3.137633	91603.77	3.146817	93	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	52348.23	8.50645	57347.05	8.487833	91	0 - 500	0.0186	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	17614.36	7.885334	17875.01	7.876133	99	0 - 500	0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	33071.67	9.275517	33933.8	9.25715	97	0 - 500	0.0184	+/-0.50	
M7PFUdA-EIS	51128.09	8.130466	54405.6	8.121266	94	0 - 500	0.0092	+/-0.50	
M6PFDA-EIS	43789.53	7.754917	45133.05	7.745733	97	0 - 500	0.0092	+/-0.50	
M5PFHxA-EIS	74841.72	5.838984	75475.43	5.828967	99	0 - 500	0.0100	+/-0.50	
M4PFHpA-EIS	23846.38	6.456267	26968.23	6.446816	88	0 - 500	0.0095	+/-0.50	
M3PFHxS-EIS	20460	7.028833	18728.12	7.028833	109	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	20777.76	5.804633	21168.88	5.79545	98	0 - 500	0.0092	+/-0.50	
M3-HFPO-DA-EIS	27378.71	6.102433	25087.76	6.09325	109	0 - 500	0.0092	+/-0.50	
M2PFTeDA-EIS	59950.66	9.19515	47997.23	9.176766	125	0 - 500	0.0184	+/-0.50	
M2-8-2FTS-EIS	10718.97	7.567483	10937.99	7.549083	98	0 - 500	0.0184	+/-0.50	
M2-6-2FTS-EIS	10567.26	6.7385	9361.753	6.729317	113	0 - 500	0.0092	+/-0.50	
M2-4-2FTS-EIS	8152.716	5.61595	6864.289	5.606783	119	0 - 500	0.0092	+/-0.50	
d9-NEtFOSE-EIS	79560.9	10.6826	83083.73	10.67342	96	0 - 500	0.0092	+/-0.50	
d7-NMeFOSE-EIS	96488.1	10.39065	96816.23	10.37228	100	0 - 500	0.0184	+/-0.50	
d5-NEtFOSA-EIS	2958.158	10.8148	2943.902	10.80562	100	0 - 500	0.0092	+/-0.50	
d5-N-EtFOSAA-EIS	25594.82	8.101617	27291.94	8.092417	94	0 - 500	0.0092	+/-0.50	
d3-NMeFOSA-EIS	3276.075	10.53295	3450.012	10.52377	95	0 - 500	0.0092	+/-0.50	
d3-N-MeFOSAA-EIS	32529.06	7.9266	33961.43	7.9174	96	0 - 500	0.0092	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0533

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Blank (S5I0533-CCB3)			Lab File ID: QQQ421485.d			Analyzed: 09/05/25 19:22			
M3PFBA	35157.09	3.177417	30897.46	3.1407	114	50 - 200	0.0367	+/-0.50	
MPFDA	74276.31	7.76445	63174.64	7.755233	118	50 - 200	0.0092	+/-0.50	
MPFHxA	103441.6	5.84045	92682.88	5.840433	112	50 - 200	0.0000	+/-0.50	
MPFHxS	23520.89	7.037734	21274.91	7.028517	111	50 - 200	0.0092	+/-0.50	
MPFNA	86542.42	7.366683	74642.16	7.36665	116	50 - 200	0.0000	+/-0.50	
MPFOA	208340.6	6.943683	188070.1	6.934467	111	50 - 200	0.0092	+/-0.50	
MPFOS	30572.16	7.88565	29220.1	7.885633	105	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	59761.66	7.36635	50550.21	7.366333	118	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	130939	6.94335	115658.2	6.934134	113	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	80774.99	4.95625	69981.12	4.947033	115	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	100273.2	3.174367	85404.11	3.137633	117	0 - 500	0.0367	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	64295.37	8.506467	52348.23	8.50645	123	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	19850.63	7.89455	17614.36	7.885334	113	0 - 500	0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	38132.7	9.275534	33071.67	9.275517	115	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	61871.05	8.139684	51128.09	8.130466	121	0 - 500	0.0092	+/-0.50	
M6PFDA-EIS	48986.63	7.764133	43789.53	7.754917	112	0 - 500	0.0092	+/-0.50	
M5PFHxA-EIS	82117.25	5.839	74841.72	5.838984	110	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	28256.68	6.456284	23846.38	6.456267	118	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	21992.77	7.03805	20460	7.028833	107	0 - 500	0.0092	+/-0.50	
M3PFBS-EIS	25067.12	5.804667	20777.76	5.804633	121	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	31254.84	6.102467	27378.71	6.102433	114	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	67492.58	9.195167	59950.66	9.19515	113	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	12246.1	7.5675	10718.97	7.567483	114	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	11485.02	6.747733	10567.26	6.7385	109	0 - 500	0.0092	+/-0.50	
M2-4-2FTS-EIS	8700.658	5.615983	8152.716	5.61595	107	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	90631.87	10.6918	79560.9	10.6826	114	0 - 500	0.0092	+/-0.50	
d7-NMeFOSE-EIS	111584.7	10.39067	96488.1	10.39065	116	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	3135.709	10.81482	2958.158	10.8148	106	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	29589.23	8.101633	25594.82	8.101617	116	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	3683.482	10.53297	3276.075	10.53295	112	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	35435.28	7.926617	32529.06	7.9266	109	0 - 500	0.0000	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0533

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5I0533-CCV4)			Lab File ID: QQQ421495.d			Analyzed: 09/05/25 21:55			
M3PFBA	31015.88	3.15905	30897.46	3.1407	100	50 - 200	0.0184	+/-0.50	
MPFDA	64328.33	7.78285	63174.64	7.755233	102	50 - 200	0.0276	+/-0.50	
MPFHxA	95624.51	5.858833	92682.88	5.840433	103	50 - 200	0.0184	+/-0.50	
MPFHxS	21170.61	7.056917	21274.91	7.028517	100	50 - 200	0.0284	+/-0.50	
MPFNA	77125.77	7.38505	74642.16	7.36665	103	50 - 200	0.0184	+/-0.50	
MPFOA	189933.9	6.962067	188070.1	6.934467	101	50 - 200	0.0276	+/-0.50	
MPFOS	29979.89	7.91325	29220.1	7.885633	103	50 - 200	0.0276	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	44565.89	7.384733	50550.21	7.366333	88	0 - 500	0.0184	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	116970	6.961733	115658.2	6.934134	101	0 - 500	0.0276	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	71569.67	4.965416	69981.12	4.947033	102	0 - 500	0.0184	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	85331.99	3.156	85404.11	3.137633	100	0 - 500	0.0184	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	55221.99	8.52485	52348.23	8.50645	105	0 - 500	0.0184	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	17926.59	7.91295	17614.36	7.885334	102	0 - 500	0.0276	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	33157.06	9.293883	33071.67	9.275517	100	0 - 500	0.0184	+/-0.50	
M7PFUdA-EIS	53266.79	8.158533	51128.09	8.130466	104	0 - 500	0.0281	+/-0.50	
M6PFDA-EIS	43888.23	7.782533	43789.53	7.754917	100	0 - 500	0.0276	+/-0.50	
M5PFHxA-EIS	73233.42	5.857383	74841.72	5.838984	98	0 - 500	0.0184	+/-0.50	
M4PFHpA-EIS	25800.47	6.474667	23846.38	6.456267	108	0 - 500	0.0184	+/-0.50	
M3PFHxS-EIS	20393.23	7.057217	20460	7.028833	100	0 - 500	0.0284	+/-0.50	
M3PFBS-EIS	22145.58	5.813833	20777.76	5.804633	107	0 - 500	0.0092	+/-0.50	
M3-HFPO-DA-EIS	28919.11	6.120833	27378.71	6.102433	106	0 - 500	0.0184	+/-0.50	
M2PFTeDA-EIS	58141.45	9.21355	59950.66	9.19515	97	0 - 500	0.0184	+/-0.50	
M2-8-2FTS-EIS	11455.83	7.586683	10718.97	7.567483	107	0 - 500	0.0192	+/-0.50	
M2-6-2FTS-EIS	9363.563	6.7753	10567.26	6.7385	89	0 - 500	0.0368	+/-0.50	
M2-4-2FTS-EIS	7738.46	5.625167	8152.716	5.61595	95	0 - 500	0.0092	+/-0.50	
d9-NEtFOSE-EIS	79415.62	10.69177	79560.9	10.6826	100	0 - 500	0.0092	+/-0.50	
d7-NMeFOSE-EIS	95083.38	10.39983	96488.1	10.39065	99	0 - 500	0.0092	+/-0.50	
d5-NEtFOSA-EIS	2877.37	10.82397	2958.158	10.8148	97	0 - 500	0.0092	+/-0.50	
d5-N-EtFOSAA-EIS	27035.65	8.12925	25594.82	8.101617	106	0 - 500	0.0276	+/-0.50	
d3-NMeFOSA-EIS	3005.908	10.54213	3276.075	10.53295	92	0 - 500	0.0092	+/-0.50	
d3-N-MeFOSAA-EIS	32373.75	7.954233	32529.06	7.9266	100	0 - 500	0.0276	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0533

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Blank (S5I0533-CCB4)			Lab File ID: QQQ421496.d			Analyzed: 09/05/25 22:11			
M3PFBA	36381.15	3.1881	31015.88	3.15905	117	50 - 200	0.0290	+/-0.50	
MPFDA	76114.26	7.773617	64328.33	7.78285	118	50 - 200	-0.0092	+/-0.50	
MPFHxA	108572.5	5.8588	95624.51	5.858833	114	50 - 200	0.0000	+/-0.50	
MPFHxS	23289.13	7.047683	21170.61	7.056917	110	50 - 200	-0.0092	+/-0.50	
MPFNA	88721.9	7.385033	77125.77	7.38505	115	50 - 200	0.0000	+/-0.50	
MPFOA	220083.5	6.96205	189933.9	6.962067	116	50 - 200	0.0000	+/-0.50	
MPFOS	33002.07	7.904016	29979.89	7.91325	110	50 - 200	-0.0092	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	53025.89	7.3755	44565.89	7.384733	119	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	136606.1	6.9617	116970	6.961733	117	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	81030.94	4.965384	71569.67	4.965416	113	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	100305.7	3.185817	85331.99	3.156	118	0 - 500	0.0298	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	67248.59	8.515616	55221.99	8.52485	122	0 - 500	-0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	19593.23	7.903717	17926.59	7.91295	109	0 - 500	-0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	36469.9	9.284667	33157.06	9.293883	110	0 - 500	-0.0092	+/-0.50	
M7PFUdA-EIS	63698.69	8.14885	53266.79	8.158533	120	0 - 500	-0.0097	+/-0.50	
M6PFDA-EIS	50550.84	7.7733	43888.23	7.782533	115	0 - 500	-0.0092	+/-0.50	
M5PFHxA-EIS	87243.27	5.85735	73233.42	5.857383	119	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	29771.68	6.474633	25800.47	6.474667	115	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	24061.61	7.047983	20393.23	7.057217	118	0 - 500	-0.0092	+/-0.50	
M3PFBS-EIS	24459.44	5.813817	22145.58	5.813833	110	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	33994.61	6.1208	28919.11	6.120833	118	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	68815.34	9.204333	58141.45	9.21355	118	0 - 500	-0.0092	+/-0.50	
M2-8-2FTS-EIS	12381.3	7.577466	11455.83	7.586683	108	0 - 500	-0.0092	+/-0.50	
M2-6-2FTS-EIS	11107.67	6.766083	9363.563	6.7753	119	0 - 500	-0.0092	+/-0.50	
M2-4-2FTS-EIS	8655.263	5.625134	7738.46	5.625167	112	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	97506.78	10.70093	79415.62	10.69177	123	0 - 500	0.0092	+/-0.50	
d7-NMeFOSE-EIS	114740.5	10.3998	95083.38	10.39983	121	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	3654.266	10.82395	2877.37	10.82397	127	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	27069.52	8.120017	27035.65	8.12925	100	0 - 500	-0.0092	+/-0.50	
d3-NMeFOSA-EIS	3841.636	10.54212	3005.908	10.54213	128	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	36269.2	7.945	32373.75	7.954233	112	0 - 500	-0.0092	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Low Cal Check (S5I0837-LCV1)			Lab File ID: QQQ421532.d			Analyzed: 09/07/25 14:28			
M3PFBA	36259.64	3.11315	43119.85	3.32575	84	50 - 200	-0.2126	+/-0.50	
MPFDA	53774.68	7.70865	51473.97	7.819983	104	50 - 200	-0.1113	+/-0.50	
MPFHxA	86469.16	5.812183	80747.38	5.895566	107	50 - 200	-0.0834	+/-0.50	
MPFHxS	22809.72	6.9917	20714.7	7.1029	110	50 - 200	-0.1112	+/-0.50	
MPFNA	77740.29	7.320667	73945.98	7.413917	105	50 - 200	-0.0932	+/-0.50	
MPFOA	187411	6.89765	188562.8	6.990733	99	50 - 200	-0.0931	+/-0.50	
MPFOS	28505.61	7.839583	26653.52	7.95925	107	50 - 200	-0.1197	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	50015.52	7.320333	38999.86	7.413617	128	0 - 500	-0.0933	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	126689	6.897316	123504.7	6.990417	103	0 - 500	-0.0931	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	71864.95	4.928667	77384.65	5.02045	93	0 - 500	-0.0918	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	99835.45	3.1101	120786.6	3.32345	83	0 - 500	-0.2134	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	58517.86	8.460217	52248.88	8.570434	112	0 - 500	-0.1102	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	18873.22	7.839283	17144.72	7.958967	110	0 - 500	-0.1197	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	35814.79	9.24795	38990.11	9.312284	92	0 - 500	-0.0643	+/-0.50	
M7PFUdA-EIS	52102	8.084416	50394.54	8.195717	103	0 - 500	-0.1113	+/-0.50	
M6PFDA-EIS	40103.05	7.708367	35375.72	7.810483	113	0 - 500	-0.1021	+/-0.50	
M5PFHxA-EIS	77594.76	5.810567	81608.38	5.9033	95	0 - 500	-0.0927	+/-0.50	
M4PFHpA-EIS	28849.5	6.4182	25709.55	6.502234	112	0 - 500	-0.0840	+/-0.50	
M3PFHxS-EIS	21626.77	6.992017	19057.2	7.103217	113	0 - 500	-0.1112	+/-0.50	
M3PFBS-EIS	21868.77	5.767867	21235.13	5.878633	103	0 - 500	-0.1108	+/-0.50	
M3-HFPO-DA-EIS	28209.31	6.06565	24922.52	6.1577	113	0 - 500	-0.0921	+/-0.50	
M2PFTeDA-EIS	62626.64	9.149183	51579.46	9.268683	121	0 - 500	-0.1195	+/-0.50	
M2-8-2FTS-EIS	7910.08	7.512233	22250.02	7.614267	36	0 - 500	-0.1020	+/-0.50	
M2-6-2FTS-EIS	8509.132	6.701684	25512.65	6.7938	33	0 - 500	-0.0921	+/-0.50	
M2-4-2FTS-EIS	6461.248	5.579167	20899.42	5.671117	31	0 - 500	-0.0919	+/-0.50	
d9-NEtFOSE-EIS	71222.96	10.67338	79067.05	10.70102	90	0 - 500	-0.0276	+/-0.50	
d7-NMeFOSE-EIS	85974.49	10.37227	99632.35	10.40908	86	0 - 500	-0.0368	+/-0.50	
d5-NEtFOSA-EIS	2199.627	10.8056	2918.048	10.83322	75	0 - 500	-0.0276	+/-0.50	
d5-N-EtFOSAA-EIS	22091.28	8.073983	25785.29	8.147634	86	0 - 500	-0.0737	+/-0.50	
d3-NMeFOSA-EIS	3211.189	10.51457	3577.766	10.55138	90	0 - 500	-0.0368	+/-0.50	
d3-N-MeFOSAA-EIS	26763.48	7.889767	33730.91	7.972617	79	0 - 500	-0.0828	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5I0837-CCV1)			Lab File ID: QQQ421534.d			Analyzed: 09/07/25 14:59			
M3PFBA	40790.03	3.14985	43119.85	3.32575	95	50 - 200	-0.1759	+/-0.50	
MPFDA	63152.32	7.708633	51473.97	7.819983	123	50 - 200	-0.1114	+/-0.50	
MPFHxA	98226.8	5.812183	80747.38	5.895566	122	50 - 200	-0.0834	+/-0.50	
MPFHxS	24261.02	6.991683	20714.7	7.1029	117	50 - 200	-0.1112	+/-0.50	
MPFNA	83956.48	7.32065	73945.98	7.413917	114	50 - 200	-0.0933	+/-0.50	
MPFOA	209491.8	6.89765	188562.8	6.990733	111	50 - 200	-0.0931	+/-0.50	
MPFOS	34114.02	7.839583	26653.52	7.95925	128	50 - 200	-0.1197	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	53299.07	7.320317	38999.86	7.413617	137	0 - 500	-0.0933	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	132877.8	6.897316	123504.7	6.990417	108	0 - 500	-0.0931	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	75841.92	4.928667	77384.65	5.02045	98	0 - 500	-0.0918	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	105877.9	3.1468	120786.6	3.32345	88	0 - 500	-0.1767	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	61135.11	8.451016	52248.88	8.570434	117	0 - 500	-0.1194	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	20228.18	7.839283	17144.72	7.958967	118	0 - 500	-0.1197	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	34394.09	9.247933	38990.11	9.312284	88	0 - 500	-0.0644	+/-0.50	
M7PFUdA-EIS	55630.87	8.084416	50394.54	8.195717	110	0 - 500	-0.1113	+/-0.50	
M6PFDA-EIS	42150.94	7.70835	35375.72	7.810483	119	0 - 500	-0.1021	+/-0.50	
M5PFHxA-EIS	81731.48	5.810567	81608.38	5.9033	100	0 - 500	-0.0927	+/-0.50	
M4PFHpA-EIS	31169.01	6.4182	25709.55	6.502234	121	0 - 500	-0.0840	+/-0.50	
M3PFHxS-EIS	21792.21	6.992	19057.2	7.103217	114	0 - 500	-0.1112	+/-0.50	
M3PFBS-EIS	23332.12	5.77705	21235.13	5.878633	110	0 - 500	-0.1016	+/-0.50	
M3-HFPO-DA-EIS	30034.12	6.06565	24922.52	6.1577	121	0 - 500	-0.0921	+/-0.50	
M2PFTeDA-EIS	68658.06	9.149183	51579.46	9.268683	133	0 - 500	-0.1195	+/-0.50	
M2-8-2FTS-EIS	8636.728	7.521433	22250.02	7.614267	39	0 - 500	-0.0928	+/-0.50	
M2-6-2FTS-EIS	9196.31	6.701684	25512.65	6.7938	36	0 - 500	-0.0921	+/-0.50	
M2-4-2FTS-EIS	6547.449	5.57915	20899.42	5.671117	31	0 - 500	-0.0920	+/-0.50	
d9-NEtFOSE-EIS	86190.13	10.67338	79067.05	10.70102	109	0 - 500	-0.0276	+/-0.50	
d7-NMeFOSE-EIS	101056.2	10.37227	99632.35	10.40908	101	0 - 500	-0.0368	+/-0.50	
d5-NEtFOSA-EIS	3022.108	10.80558	2918.048	10.83322	104	0 - 500	-0.0276	+/-0.50	
d5-N-EtFOSAA-EIS	21916	8.064783	25785.29	8.147634	85	0 - 500	-0.0829	+/-0.50	
d3-NMeFOSA-EIS	3622.704	10.51455	3577.766	10.55138	101	0 - 500	-0.0368	+/-0.50	
d3-N-MeFOSAA-EIS	29258.49	7.889767	33730.91	7.972617	87	0 - 500	-0.0828	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Blank (S5I0837-CCB1)			Lab File ID: QQQ421536.d			Analyzed: 09/07/25 15:29			
M3PFBA	46910.8	3.177383	40790.03	3.14985	115	50 - 200	0.0275	+/-0.50	
MPFDA	72402.82	7.708633	63152.32	7.708633	115	50 - 200	0.0000	+/-0.50	
MPFHxA	110673.2	5.803	98226.8	5.812183	113	50 - 200	-0.0092	+/-0.50	
MPFHxS	26081.76	6.991683	24261.02	6.991683	108	50 - 200	0.0000	+/-0.50	
MPFNA	95068.2	7.31165	83956.48	7.32065	113	50 - 200	-0.0090	+/-0.50	
MPFOA	236892.5	6.89765	209491.8	6.89765	113	50 - 200	0.0000	+/-0.50	
MPFOS	36034.11	7.839583	34114.02	7.839583	106	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	62443.25	7.320333	53299.07	7.320317	117	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	149471.6	6.897316	132877.8	6.897316	112	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	87251.95	4.928667	75841.92	4.928667	115	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	121884.1	3.16515	105877.9	3.1468	115	0 - 500	0.0184	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	69218.3	8.451016	61135.11	8.451016	113	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	21016.66	7.839283	20228.18	7.839283	104	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	37010.34	9.247933	34394.09	9.247933	108	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	66393.53	8.084416	55630.87	8.084416	119	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	48209.08	7.708367	42150.94	7.70835	114	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	97115.41	5.810567	81731.48	5.810567	119	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	37467.36	6.4182	31169.01	6.4182	120	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	24909.65	6.992017	21792.21	6.992	114	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	26632.88	5.767867	23332.12	5.77705	114	0 - 500	-0.0092	+/-0.50	
M3-HFPO-DA-EIS	32994.13	6.06565	30034.12	6.06565	110	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	77936.4	9.149183	68658.06	9.149183	114	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	10129.99	7.512233	8636.728	7.521433	117	0 - 500	-0.0092	+/-0.50	
M2-6-2FTS-EIS	10291.56	6.701684	9196.31	6.701684	112	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	8048.629	5.57915	6547.449	5.57915	123	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	109710.1	10.67338	86190.13	10.67338	127	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	120521.7	10.37227	101056.2	10.37227	119	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	3471.334	10.80558	3022.108	10.80558	115	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	26402.68	8.064783	21916	8.064783	120	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	3948.088	10.51457	3622.704	10.51455	109	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	33704.84	7.889767	29258.49	7.889767	115	0 - 500	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (BI50372-BS1)			Lab File ID: QQQ421541.d			Analyzed: 09/07/25 16:46			
M3PFBA	33310.73	3.094817	40790.03	3.14985	82	50 - 200	-0.0550	+/-0.50	
MPFDA	56341.2	7.70865	63152.32	7.708633	89	50 - 200	0.0000	+/-0.50	
MPFHxA	88714.39	5.803	98226.8	5.812183	90	50 - 200	-0.0092	+/-0.50	
MPFHxS	21672.33	6.982483	24261.02	6.991683	89	50 - 200	-0.0092	+/-0.50	
MPFNA	73462.52	7.31165	83956.48	7.32065	88	50 - 200	-0.0090	+/-0.50	
MPFOA	188573.3	6.88845	209491.8	6.89765	90	50 - 200	-0.0092	+/-0.50	
MPFOS	26591.38	7.830383	34114.02	7.839583	78	50 - 200	-0.0092	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	57561.29	7.311333	53299.07	7.320317	108	0 - 500	-0.0090	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	142697.2	6.8881	132877.8	6.897316	107	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	81962	4.9195	75841.92	4.928667	108	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	105426.3	3.09175	105877.9	3.1468	100	0 - 500	-0.0550	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	64309.37	8.441816	61135.11	8.451016	105	0 - 500	-0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	20034.39	7.839283	20228.18	7.839283	99	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	37081.12	9.24795	34394.09	9.247933	108	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	60941.83	8.075216	55630.87	8.084416	110	0 - 500	-0.0092	+/-0.50	
M6PFDA-EIS	46433.95	7.708367	42150.94	7.70835	110	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	89147.3	5.801383	81731.48	5.810567	109	0 - 500	-0.0092	+/-0.50	
M4PFHpA-EIS	35128.69	6.409	31169.01	6.4182	113	0 - 500	-0.0092	+/-0.50	
M3PFHxS-EIS	22510.91	6.9828	21792.21	6.992	103	0 - 500	-0.0092	+/-0.50	
M3PFBS-EIS	23912.6	5.767867	23332.12	5.77705	102	0 - 500	-0.0092	+/-0.50	
M3-HFPO-DA-EIS	31595.18	6.06565	30034.12	6.06565	105	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	60761.15	9.14	68658.06	9.149183	88	0 - 500	-0.0092	+/-0.50	
M2-8-2FTS-EIS	10552.13	7.51225	8636.728	7.521433	122	0 - 500	-0.0092	+/-0.50	
M2-6-2FTS-EIS	10045.23	6.692483	9196.31	6.701684	109	0 - 500	-0.0092	+/-0.50	
M2-4-2FTS-EIS	7369.744	5.569967	6547.449	5.57915	113	0 - 500	-0.0092	+/-0.50	
d9-NEtFOSE-EIS	86941.68	10.66422	86190.13	10.67338	101	0 - 500	-0.0092	+/-0.50	
d7-NMeFOSE-EIS	101905	10.37227	101056.2	10.37227	101	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	2895.366	10.79642	3022.108	10.80558	96	0 - 500	-0.0092	+/-0.50	
d5-N-EtFOSAA-EIS	26287.02	8.064783	21916	8.064783	120	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	3318.307	10.51457	3622.704	10.51455	92	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	35347.24	7.889767	29258.49	7.889767	121	0 - 500	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Blank (BI50372-BLK1)			Lab File ID: QQQ421542.d			Analyzed: 09/07/25 17:01			
M3PFBA	33532.28	3.0765	40790.03	3.14985	82	50 - 200	-0.0734	+/-0.50	
MPFDA	60755.16	7.69895	63152.32	7.708633	96	50 - 200	-0.0097	+/-0.50	
MPFHxA	91929.27	5.80305	98226.8	5.812183	94	50 - 200	-0.0091	+/-0.50	
MPFHxS	22897.67	6.982533	24261.02	6.991683	94	50 - 200	-0.0091	+/-0.50	
MPFNA	77321.5	7.3117	83956.48	7.32065	92	50 - 200	-0.0089	+/-0.50	
MPFOA	190314.5	6.8885	209491.8	6.89765	91	50 - 200	-0.0091	+/-0.50	
MPFOS	28429.58	7.830417	34114.02	7.839583	83	50 - 200	-0.0092	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	59954.79	7.311383	53299.07	7.320317	112	0 - 500	-0.0089	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	145262.5	6.88815	132877.8	6.897316	109	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	82735.52	4.91955	75841.92	4.928667	109	0 - 500	-0.0091	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	103357.5	3.07345	105877.9	3.1468	98	0 - 500	-0.0734	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	65571.33	8.441867	61135.11	8.451016	107	0 - 500	-0.0091	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	19886.43	7.830117	20228.18	7.839283	98	0 - 500	-0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	39056.57	9.2388	34394.09	9.247933	114	0 - 500	-0.0091	+/-0.50	
M7PFUdA-EIS	62528.11	8.075267	55630.87	8.084416	112	0 - 500	-0.0091	+/-0.50	
M6PFDA-EIS	47160.29	7.6987	42150.94	7.70835	112	0 - 500	-0.0097	+/-0.50	
M5PFHxA-EIS	91034.14	5.801434	81731.48	5.810567	111	0 - 500	-0.0091	+/-0.50	
M4PFHpA-EIS	35189.05	6.40905	31169.01	6.4182	113	0 - 500	-0.0091	+/-0.50	
M3PFHxS-EIS	23334.43	6.98285	21792.21	6.992	107	0 - 500	-0.0091	+/-0.50	
M3PFBS-EIS	24248.03	5.758733	23332.12	5.77705	104	0 - 500	-0.0183	+/-0.50	
M3-HFPO-DA-EIS	31205.04	6.0565	30034.12	6.06565	104	0 - 500	-0.0091	+/-0.50	
M2PFTeDA-EIS	61640.57	9.140034	68658.06	9.149183	90	0 - 500	-0.0091	+/-0.50	
M2-8-2FTS-EIS	11832.38	7.512283	8636.728	7.521433	137	0 - 500	-0.0091	+/-0.50	
M2-6-2FTS-EIS	11507.33	6.692533	9196.31	6.701684	125	0 - 500	-0.0092	+/-0.50	
M2-4-2FTS-EIS	8044.954	5.570017	6547.449	5.57915	123	0 - 500	-0.0091	+/-0.50	
d9-NEtFOSE-EIS	88638.48	10.66425	86190.13	10.67338	103	0 - 500	-0.0091	+/-0.50	
d7-NMeFOSE-EIS	103208.9	10.36313	101056.2	10.37227	102	0 - 500	-0.0091	+/-0.50	
d5-NEtFOSA-EIS	2878.841	10.79645	3022.108	10.80558	95	0 - 500	-0.0091	+/-0.50	
d5-N-EtFOSAA-EIS	27025.26	8.055634	21916	8.064783	123	0 - 500	-0.0091	+/-0.50	
d3-NMeFOSA-EIS	3334.745	10.5146	3622.704	10.51455	92	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	34532.45	7.8806	29258.49	7.889767	118	0 - 500	-0.0092	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (BI50372-BS2)			Lab File ID: QQQ421543.d			Analyzed: 09/07/25 17:17			
M3PFBA	36112.64	3.085633	40790.03	3.14985	89	50 - 200	-0.0642	+/-0.50	
MPFDA	65090.07	7.6989	63152.32	7.708633	103	50 - 200	-0.0097	+/-0.50	
MPFHxA	99423.28	5.803	98226.8	5.812183	101	50 - 200	-0.0092	+/-0.50	
MPFHxS	23659.89	6.982483	24261.02	6.991683	98	50 - 200	-0.0092	+/-0.50	
MPFNA	86319.06	7.311633	83956.48	7.32065	103	50 - 200	-0.0090	+/-0.50	
MPFOA	212011.3	6.88845	209491.8	6.89765	101	50 - 200	-0.0092	+/-0.50	
MPFOS	31809.17	7.830367	34114.02	7.839583	93	50 - 200	-0.0092	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	60323.33	7.311316	53299.07	7.320317	113	0 - 500	-0.0090	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	144651.5	6.8881	132877.8	6.897316	109	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	83012.03	4.9195	75841.92	4.928667	109	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	104733	3.082583	105877.9	3.1468	99	0 - 500	-0.0642	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	60499.91	8.441816	61135.11	8.451016	99	0 - 500	-0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	19713.25	7.830067	20228.18	7.839283	97	0 - 500	-0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	38950.27	9.24795	34394.09	9.247933	113	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	62778.57	8.075216	55630.87	8.084416	113	0 - 500	-0.0092	+/-0.50	
M6PFDA-EIS	48913.06	7.698633	42150.94	7.70835	116	0 - 500	-0.0097	+/-0.50	
M5PFHxA-EIS	89577.72	5.801383	81731.48	5.810567	110	0 - 500	-0.0092	+/-0.50	
M4PFHpA-EIS	36568.73	6.409	31169.01	6.4182	117	0 - 500	-0.0092	+/-0.50	
M3PFHxS-EIS	23001.14	6.9828	21792.21	6.992	106	0 - 500	-0.0092	+/-0.50	
M3PFBS-EIS	25179.92	5.758683	23332.12	5.77705	108	0 - 500	-0.0184	+/-0.50	
M3-HFPO-DA-EIS	31997.24	6.05645	30034.12	6.06565	107	0 - 500	-0.0092	+/-0.50	
M2PFTeDA-EIS	58451.38	9.14	68658.06	9.149183	85	0 - 500	-0.0092	+/-0.50	
M2-8-2FTS-EIS	11354.04	7.512233	8636.728	7.521433	131	0 - 500	-0.0092	+/-0.50	
M2-6-2FTS-EIS	11889.6	6.692483	9196.31	6.701684	129	0 - 500	-0.0092	+/-0.50	
M2-4-2FTS-EIS	7821.763	5.569967	6547.449	5.57915	119	0 - 500	-0.0092	+/-0.50	
d9-NEtFOSE-EIS	88790.7	10.66422	86190.13	10.67338	103	0 - 500	-0.0092	+/-0.50	
d7-NMeFOSE-EIS	101191.9	10.37227	101056.2	10.37227	100	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	3080.677	10.79642	3022.108	10.80558	102	0 - 500	-0.0092	+/-0.50	
d5-N-EtFOSAA-EIS	28306.76	8.064783	21916	8.064783	129	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	3320.261	10.51457	3622.704	10.51455	92	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	36174.88	7.88975	29258.49	7.889767	124	0 - 500	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Performance Mix (S5I0837-PEM1)			Lab File ID: QQQ421547.d			Analyzed: 09/07/25 18:18			
M3PFBA	34719.59	3.1315	40790.03	3.14985	85	50 - 200	-0.0183	+/-0.50	
MPFDA	57515.03	7.698916	63152.32	7.708633	91	50 - 200	-0.0097	+/-0.50	
MPFHxA	90284.92	5.803	98226.8	5.812183	92	50 - 200	-0.0092	+/-0.50	
MPFHxS	20315.23	6.9825	24261.02	6.991683	84	50 - 200	-0.0092	+/-0.50	
MPFNA	76730.45	7.31165	83956.48	7.32065	91	50 - 200	-0.0090	+/-0.50	
MPFOA	186446.8	6.88845	209491.8	6.89765	89	50 - 200	-0.0092	+/-0.50	
MPFOS	29153.4	7.830367	34114.02	7.839583	85	50 - 200	-0.0092	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	57888.51	7.311333	53299.07	7.320317	109	0 - 500	-0.0090	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	144094.8	6.888117	132877.8	6.897316	108	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	82006.76	4.9195	75841.92	4.928667	108	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	107676	3.119267	105877.9	3.1468	102	0 - 500	-0.0275	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	66881	8.441816	61135.11	8.451016	109	0 - 500	-0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	20782.15	7.830083	20228.18	7.839283	103	0 - 500	-0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	37402.02	9.238767	34394.09	9.247933	109	0 - 500	-0.0092	+/-0.50	
M7PFUdA-EIS	62820.21	8.075216	55630.87	8.084416	113	0 - 500	-0.0092	+/-0.50	
M6PFDA-EIS	48135.95	7.69865	42150.94	7.70835	114	0 - 500	-0.0097	+/-0.50	
M5PFHxA-EIS	90838.94	5.801383	81731.48	5.810567	111	0 - 500	-0.0092	+/-0.50	
M4PFHpA-EIS	34064.8	6.409	31169.01	6.4182	109	0 - 500	-0.0092	+/-0.50	
M3PFHxS-EIS	23228.96	6.982817	21792.21	6.992	107	0 - 500	-0.0092	+/-0.50	
M3PFBS-EIS	25892.39	5.767867	23332.12	5.77705	111	0 - 500	-0.0092	+/-0.50	
M3-HFPO-DA-EIS	32555.78	6.056467	30034.12	6.06565	108	0 - 500	-0.0092	+/-0.50	
M2PFTeDA-EIS	69577.71	9.14	68658.06	9.149183	101	0 - 500	-0.0092	+/-0.50	
M2-8-2FTS-EIS	12262.72	7.503033	8636.728	7.521433	142	0 - 500	-0.0184	+/-0.50	
M2-6-2FTS-EIS	26796.76	6.692483	9196.31	6.701684	291	0 - 500	-0.0092	+/-0.50	
M2-4-2FTS-EIS	7571.071	5.569967	6547.449	5.57915	116	0 - 500	-0.0092	+/-0.50	
d9-NEtFOSE-EIS	100448.4	10.6642	86190.13	10.67338	117	0 - 500	-0.0092	+/-0.50	
d7-NMeFOSE-EIS	114687.6	10.36308	101056.2	10.37227	113	0 - 500	-0.0092	+/-0.50	
d5-NEtFOSA-EIS	3315.594	10.7964	3022.108	10.80558	110	0 - 500	-0.0092	+/-0.50	
d5-N-EtFOSAA-EIS	28086.86	8.064783	21916	8.064783	128	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	3804.47	10.51457	3622.704	10.51455	105	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	33749.98	7.88055	29258.49	7.889767	115	0 - 500	-0.0092	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5I0837-CCV2)			Lab File ID: QQQ421558.d			Analyzed: 09/07/25 21:06			
M3PFBA	41321.09	3.140683	40790.03	3.14985	101	50 - 200	-0.0092	+/-0.50	
MPFDA	69077.34	7.6897	63152.32	7.708633	109	50 - 200	-0.0189	+/-0.50	
MPFHxA	110167.7	5.793817	98226.8	5.812183	112	50 - 200	-0.0184	+/-0.50	
MPFHxS	23667.32	6.9733	24261.02	6.991683	98	50 - 200	-0.0184	+/-0.50	
MPFNA	88386.7	7.30245	83956.48	7.32065	105	50 - 200	-0.0182	+/-0.50	
MPFOA	218479.1	6.879267	209491.8	6.89765	104	50 - 200	-0.0184	+/-0.50	
MPFOS	32087.26	7.821183	34114.02	7.839583	94	50 - 200	-0.0184	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	54296.02	7.302134	53299.07	7.320317	102	0 - 500	-0.0182	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	138774.5	6.878917	132877.8	6.897316	104	0 - 500	-0.0184	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	79616.71	4.9195	75841.92	4.928667	105	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	104997.2	3.137633	105877.9	3.1468	99	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	62047.39	8.432266	61135.11	8.451016	101	0 - 500	-0.0187	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	20193.59	7.820883	20228.18	7.839283	100	0 - 500	-0.0184	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	35547.84	9.238767	34394.09	9.247933	103	0 - 500	-0.0092	+/-0.50	
M7PFUdA-EIS	62455.57	8.066016	55630.87	8.084416	112	0 - 500	-0.0184	+/-0.50	
M6PFDA-EIS	45739.52	7.68945	42150.94	7.70835	109	0 - 500	-0.0189	+/-0.50	
M5PFHxA-EIS	88388.81	5.7922	81731.48	5.810567	108	0 - 500	-0.0184	+/-0.50	
M4PFHpA-EIS	34957.84	6.399817	31169.01	6.4182	112	0 - 500	-0.0184	+/-0.50	
M3PFHxS-EIS	21737.69	6.973617	21792.21	6.992	100	0 - 500	-0.0184	+/-0.50	
M3PFBS-EIS	25854.79	5.758683	23332.12	5.77705	111	0 - 500	-0.0184	+/-0.50	
M3-HFPO-DA-EIS	29266.73	6.056467	30034.12	6.06565	97	0 - 500	-0.0092	+/-0.50	
M2PFTeDA-EIS	68969.62	9.130816	68658.06	9.149183	100	0 - 500	-0.0184	+/-0.50	
M2-8-2FTS-EIS	11357.7	7.503033	8636.728	7.521433	132	0 - 500	-0.0184	+/-0.50	
M2-6-2FTS-EIS	10981.09	6.6833	9196.31	6.701684	119	0 - 500	-0.0184	+/-0.50	
M2-4-2FTS-EIS	7396.049	5.569983	6547.449	5.57915	113	0 - 500	-0.0092	+/-0.50	
d9-NEtFOSE-EIS	103343	10.66422	86190.13	10.67338	120	0 - 500	-0.0092	+/-0.50	
d7-NMeFOSE-EIS	111603.4	10.36308	101056.2	10.37227	110	0 - 500	-0.0092	+/-0.50	
d5-NEtFOSA-EIS	3577.96	10.79642	3022.108	10.80558	118	0 - 500	-0.0092	+/-0.50	
d5-N-EtFOSAA-EIS	26088.93	8.055583	21916	8.064783	119	0 - 500	-0.0092	+/-0.50	
d3-NMeFOSA-EIS	3954.902	10.51457	3622.704	10.51455	109	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	33310.44	7.871367	29258.49	7.889767	114	0 - 500	-0.0184	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Blank (S5I0837-CCB2)			Lab File ID: QQQ421559.d			Analyzed: 09/07/25 21:22			
M3PFBA	47481.5	3.16825	41321.09	3.140683	115	50 - 200	0.0276	+/-0.50	
MPFDA	73121.8	7.68975	69077.34	7.6897	106	50 - 200	0.0000	+/-0.50	
MPFHxA	118624.9	5.79385	110167.7	5.793817	108	50 - 200	0.0000	+/-0.50	
MPFHxS	26812.1	6.973333	23667.32	6.9733	113	50 - 200	0.0000	+/-0.50	
MPFNA	98898.05	7.302484	88386.7	7.30245	112	50 - 200	0.0000	+/-0.50	
MPFOA	243146.6	6.8793	218479.1	6.879267	111	50 - 200	0.0000	+/-0.50	
MPFOS	36030.2	7.821217	32087.26	7.821183	112	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	62901.55	7.302166	54296.02	7.302134	116	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	156814.3	6.87895	138774.5	6.878917	113	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	92032.05	4.919533	79616.71	4.9195	116	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	123088.4	3.156017	104997.2	3.137633	117	0 - 500	0.0184	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	72030.68	8.4323	62047.39	8.432266	116	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	22545.8	7.820917	20193.59	7.820883	112	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	35646.02	9.2388	35547.84	9.238767	100	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	67852.91	8.06605	62455.57	8.066016	109	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	50360.59	7.689483	45739.52	7.68945	110	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	100172	5.792233	88388.81	5.7922	113	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	39695.29	6.399833	34957.84	6.399817	114	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	25705.06	6.97365	21737.69	6.973617	118	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	28163.56	5.758717	25854.79	5.758683	109	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	36424.94	6.0565	29266.73	6.056467	124	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	77279.97	9.13085	68969.62	9.130816	112	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	12349.87	7.503067	11357.7	7.503033	109	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	12824.71	6.683333	10981.09	6.6833	117	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	8584.622	5.570017	7396.049	5.569983	116	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	119892.6	10.66425	103343	10.66422	116	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	130905.2	10.36312	111603.4	10.36308	117	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	4047.219	10.79645	3577.96	10.79642	113	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	29655.71	8.055616	26088.93	8.055583	114	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	4534.596	10.5146	3954.902	10.51457	115	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	38735.89	7.8714	33310.44	7.871367	116	0 - 500	0.0000	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
HVAC SW North-S-1 (25H1535-01RE1)			Lab File ID: QQQ421564.d			Analyzed: 09/07/25 22:38			
M3PFBA	37336.37	3.048983	41321.09	3.140683	90	50 - 200	-0.0917	+/-0.50	
MPFDA	67259.34	7.689734	69077.34	7.6897	97	50 - 200	0.0000	+/-0.50	
MPFHxA	106605.1	5.79385	110167.7	5.793817	97	50 - 200	0.0000	+/-0.50	
MPFHxA	106605.1	5.79385	110167.7	5.793817	97	50 - 200	0.0000	+/-0.50	
MPFHxS	23806.22	6.973333	23667.32	6.9733	101	50 - 200	0.0000	+/-0.50	
MPFNA	86570.06	7.302484	88386.7	7.30245	98	50 - 200	0.0000	+/-0.50	
MPFOA	213288	6.879283	218479.1	6.879267	98	50 - 200	0.0000	+/-0.50	
MPFOS	30910.94	7.821217	32087.26	7.821183	96	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	60513.43	7.302166	54296.02	7.302134	111	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	148139.9	6.87895	138774.5	6.878917	107	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	89555.53	4.91035	79616.71	4.9195	112	0 - 500	-0.0091	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	105884.9	3.045917	104997.2	3.137633	101	0 - 500	-0.0917	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	66514.05	8.4231	62047.39	8.432266	107	0 - 500	-0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	21582.6	7.820917	20193.59	7.820883	107	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	40902.42	9.2388	35547.84	9.238767	115	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	64960.57	8.06605	62455.57	8.066016	104	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	49054.38	7.689466	45739.52	7.68945	107	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	94778.23	5.792233	88388.81	5.7922	107	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	94778.23	5.792233	88388.81	5.7922	107	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	35415.83	6.399833	34957.84	6.399817	101	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	24306.22	6.97365	21737.69	6.973617	112	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	26852.58	5.758717	25854.79	5.758683	104	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	32929.56	6.0565	29266.73	6.056467	113	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	63137.67	9.12165	68969.62	9.130816	92	0 - 500	-0.0092	+/-0.50	
M2-8-2FTS-EIS	15200.85	7.493866	11357.7	7.503033	134	0 - 500	-0.0092	+/-0.50	
M2-6-2FTS-EIS	15449.66	6.683317	10981.09	6.6833	141	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	10145.9	5.560833	7396.049	5.569983	137	0 - 500	-0.0091	+/-0.50	
d9-NEtFOSE-EIS	61565.04	10.66425	103343	10.66422	60	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	77027.43	10.36312	111603.4	10.36308	69	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	2374.339	10.79645	3577.96	10.79642	66	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	33198.97	8.055616	26088.93	8.055583	127	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	3028.303	10.5146	3954.902	10.51457	77	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	41675.25	7.8714	33310.44	7.871367	125	0 - 500	0.0000	+/-0.50	

FORM VIII

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
HVAC SW South-S-1 (25H1535-02RE1)			Lab File ID: QQQ421565.d			Analyzed: 09/07/25 22:54			
M3PFBA	35856.3	3.048933	41321.09	3.140683	87	50 - 200	-0.0918	+/-0.50	
MPFDA	61499.94	7.6897	69077.34	7.6897	89	50 - 200	0.0000	+/-0.50	
MPFHxA	101753.4	5.793817	110167.7	5.793817	92	50 - 200	0.0000	+/-0.50	
MPFHxA	101753.4	5.793817	110167.7	5.793817	92	50 - 200	0.0000	+/-0.50	
MPFHxS	23867.2	6.973283	23667.32	6.9733	101	50 - 200	0.0000	+/-0.50	
MPFNA	81603.63	7.302433	88386.7	7.30245	92	50 - 200	0.0000	+/-0.50	
MPFOA	205313.1	6.87925	218479.1	6.879267	94	50 - 200	0.0000	+/-0.50	
MPFOS	29570.07	7.821167	32087.26	7.821183	92	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	57249.69	7.302117	54296.02	7.302134	105	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	144370.1	6.878917	138774.5	6.878917	104	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	85560.68	4.910316	79616.71	4.9195	107	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	102445.7	3.0367	104997.2	3.137633	98	0 - 500	-0.1009	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	63722.66	8.423067	62047.39	8.432266	103	0 - 500	-0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	19625.89	7.820867	20193.59	7.820883	97	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	38055.89	9.238767	35547.84	9.238767	107	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	61218.86	8.0568	62455.57	8.066016	98	0 - 500	-0.0092	+/-0.50	
M6PFDA-EIS	47375.04	7.689433	45739.52	7.68945	104	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	92699.34	5.792183	88388.81	5.7922	105	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	92699.34	5.792183	88388.81	5.7922	105	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	35170.47	6.3998	34957.84	6.399817	101	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	23387.06	6.9736	21737.69	6.973617	108	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	25495.69	5.749483	25854.79	5.758683	99	0 - 500	-0.0092	+/-0.50	
M3-HFPO-DA-EIS	31533.44	6.047266	29266.73	6.056467	108	0 - 500	-0.0092	+/-0.50	
M2PFTeDA-EIS	57632.49	9.121616	68969.62	9.130816	84	0 - 500	-0.0092	+/-0.50	
M2-8-2FTS-EIS	13856.25	7.493817	11357.7	7.503033	122	0 - 500	-0.0092	+/-0.50	
M2-6-2FTS-EIS	13749.17	6.683283	10981.09	6.6833	125	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	8472.756	5.560783	7396.049	5.569983	115	0 - 500	-0.0092	+/-0.50	
d9-NEtFOSE-EIS	61483.76	10.6642	103343	10.66422	59	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	73824.53	10.36308	111603.4	10.36308	66	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	2170.071	10.7964	3577.96	10.79642	61	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	30658.15	8.046217	26088.93	8.055583	118	0 - 500	-0.0094	+/-0.50	
d3-NMeFOSA-EIS	2681.919	10.50538	3954.902	10.51457	68	0 - 500	-0.0092	+/-0.50	
d3-N-MeFOSAA-EIS	37608.48	7.87135	33310.44	7.871367	113	0 - 500	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
HVAC SW East-S-1 (25H1535-03RE1)			Lab File ID: QQQ421566.d			Analyzed: 09/07/25 23:09			
M3PFBA	34496.41	3.039767	41321.09	3.140683	83	50 - 200	-0.1009	+/-0.50	
MPFDA	61969.65	7.6897	69077.34	7.6897	90	50 - 200	0.0000	+/-0.50	
MPFHxA	99308.54	5.793817	110167.7	5.793817	90	50 - 200	0.0000	+/-0.50	
MPFHxA	99308.54	5.793817	110167.7	5.793817	90	50 - 200	0.0000	+/-0.50	
MPFHxS	22437.28	6.9733	23667.32	6.9733	95	50 - 200	0.0000	+/-0.50	
MPFNA	80307.35	7.30245	88386.7	7.30245	91	50 - 200	0.0000	+/-0.50	
MPFOA	203704.2	6.87925	218479.1	6.879267	93	50 - 200	0.0000	+/-0.50	
MPFOS	30779.2	7.821167	32087.26	7.821183	96	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	56708.37	7.302134	54296.02	7.302134	104	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	137956.5	6.878917	138774.5	6.878917	99	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	82478.91	4.910316	79616.71	4.9195	104	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	96623.13	3.0367	104997.2	3.137633	92	0 - 500	-0.1009	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	60937.88	8.423067	62047.39	8.432266	98	0 - 500	-0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	20021.12	7.820867	20193.59	7.820883	99	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	36735.96	9.238767	35547.84	9.238767	103	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	59381.6	8.066016	62455.57	8.066016	95	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	44370.18	7.689433	45739.52	7.68945	97	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	91248.82	5.792183	88388.81	5.7922	103	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	91248.82	5.792183	88388.81	5.7922	103	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	34117.54	6.3998	34957.84	6.399817	98	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	22359.42	6.973617	21737.69	6.973617	103	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	24213.38	5.749483	25854.79	5.758683	94	0 - 500	-0.0092	+/-0.50	
M3-HFPO-DA-EIS	28628.09	6.05645	29266.73	6.056467	98	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	54666.29	9.121616	68969.62	9.130816	79	0 - 500	-0.0092	+/-0.50	
M2-8-2FTS-EIS	13809.3	7.503033	11357.7	7.503033	122	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	14072.19	6.683283	10981.09	6.6833	128	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	8102.617	5.560783	7396.049	5.569983	110	0 - 500	-0.0092	+/-0.50	
d9-NEtFOSE-EIS	65760.04	10.6642	103343	10.66422	64	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	71996.16	10.36308	111603.4	10.36308	65	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	2022.942	10.7964	3577.96	10.79642	57	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	27818.88	8.046233	26088.93	8.055583	107	0 - 500	-0.0093	+/-0.50	
d3-NMeFOSA-EIS	2665.975	10.51457	3954.902	10.51457	67	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	35974.04	7.87135	33310.44	7.871367	108	0 - 500	0.0000	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
HVAC SW West-S-1 (25H1535-04RE1)			Lab File ID: QQQ421567.d			Analyzed: 09/07/25 23:24			
M3PFBA	35506.03	3.039767	41321.09	3.140683	86	50 - 200	-0.1009	+/-0.50	
MPFDA	60987.36	7.6897	69077.34	7.6897	88	50 - 200	0.0000	+/-0.50	
MPFHxA	100529.3	5.793817	110167.7	5.793817	91	50 - 200	0.0000	+/-0.50	
MPFHxA	100529.3	5.793817	110167.7	5.793817	91	50 - 200	0.0000	+/-0.50	
MPFHxS	22234.74	6.973283	23667.32	6.9733	94	50 - 200	0.0000	+/-0.50	
MPFNA	78889.32	7.293233	88386.7	7.30245	89	50 - 200	-0.0092	+/-0.50	
MPFOA	204701.3	6.87925	218479.1	6.879267	94	50 - 200	0.0000	+/-0.50	
MPFOS	30621.57	7.821167	32087.26	7.821183	95	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	56338.82	7.302117	54296.02	7.302134	104	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	138109.7	6.878917	138774.5	6.878917	100	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	81625.08	4.910316	79616.71	4.9195	103	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	93387.75	3.045883	104997.2	3.137633	89	0 - 500	-0.0918	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	62794.86	8.423067	62047.39	8.432266	101	0 - 500	-0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	20407.74	7.820867	20193.59	7.820883	101	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	37910.59	9.238767	35547.84	9.238767	107	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	62364.71	8.066016	62455.57	8.066016	100	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	45433.16	7.689433	45739.52	7.68945	99	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	87856.55	5.792183	88388.81	5.7922	99	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	87856.55	5.792183	88388.81	5.7922	99	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	33113.62	6.3998	34957.84	6.399817	95	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	23133.06	6.9736	21737.69	6.973617	106	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	25009.77	5.749483	25854.79	5.758683	97	0 - 500	-0.0092	+/-0.50	
M3-HFPO-DA-EIS	31929.21	6.05645	29266.73	6.056467	109	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	57952.82	9.121616	68969.62	9.130816	84	0 - 500	-0.0092	+/-0.50	
M2-8-2FTS-EIS	12882.93	7.493817	11357.7	7.503033	113	0 - 500	-0.0092	+/-0.50	
M2-6-2FTS-EIS	13728.54	6.683283	10981.09	6.6833	125	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	8200.906	5.569967	7396.049	5.569983	111	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	64745.2	10.6642	103343	10.66422	63	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	75577.07	10.36308	111603.4	10.36308	68	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	2568.554	10.7964	3577.96	10.79642	72	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	27653.5	8.046233	26088.93	8.055583	106	0 - 500	-0.0093	+/-0.50	
d3-NMeFOSA-EIS	3038.81	10.51457	3954.902	10.51457	77	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	37354.94	7.87135	33310.44	7.871367	112	0 - 500	0.0000	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
HVAC SW North 1-3 (25H1535-05RE1)			Lab File ID: QQQ421568.d			Analyzed: 09/07/25 23:39			
M3PFBA	35428.49	3.039783	41321.09	3.140683	86	50 - 200	-0.1009	+/-0.50	
MPFDA	62039.49	7.689717	69077.34	7.6897	90	50 - 200	0.0000	+/-0.50	
MPFHxA	100784.7	5.793833	110167.7	5.793817	91	50 - 200	0.0000	+/-0.50	
MPFHxA	100784.7	5.793833	110167.7	5.793817	91	50 - 200	0.0000	+/-0.50	
MPFHxS	21996.88	6.9733	23667.32	6.9733	93	50 - 200	0.0000	+/-0.50	
MPFNA	80323.26	7.302467	88386.7	7.30245	91	50 - 200	0.0000	+/-0.50	
MPFOA	194854.1	6.879267	218479.1	6.879267	89	50 - 200	0.0000	+/-0.50	
MPFOS	29365.93	7.821183	32087.26	7.821183	92	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	55123.43	7.30215	54296.02	7.302134	102	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	143674.2	6.878933	138774.5	6.878917	104	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	85276.16	4.910333	79616.71	4.9195	107	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	98683.2	3.036717	104997.2	3.137633	94	0 - 500	-0.1009	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	63271.38	8.423083	62047.39	8.432266	102	0 - 500	-0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	19846.36	7.811683	20193.59	7.820883	98	0 - 500	-0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	39066.88	9.238783	35547.84	9.238767	110	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	62165.16	8.056833	62455.57	8.066016	100	0 - 500	-0.0092	+/-0.50	
M6PFDA-EIS	46523.85	7.68945	45739.52	7.68945	102	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	93327.57	5.7922	88388.81	5.7922	106	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	93327.57	5.7922	88388.81	5.7922	106	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	36166.93	6.399817	34957.84	6.399817	103	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	22064.04	6.973617	21737.69	6.973617	102	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	24827.38	5.7495	25854.79	5.758683	96	0 - 500	-0.0092	+/-0.50	
M3-HFPO-DA-EIS	29637.23	6.047283	29266.73	6.056467	101	0 - 500	-0.0092	+/-0.50	
M2PFTeDA-EIS	59375.49	9.121634	68969.62	9.130816	86	0 - 500	-0.0092	+/-0.50	
M2-8-2FTS-EIS	14051.84	7.493834	11357.7	7.503033	124	0 - 500	-0.0092	+/-0.50	
M2-6-2FTS-EIS	14631.57	6.6833	10981.09	6.6833	133	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	9235.815	5.5608	7396.049	5.569983	125	0 - 500	-0.0092	+/-0.50	
d9-NEtFOSE-EIS	66971.26	10.66422	103343	10.66422	65	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	77350.08	10.3631	111603.4	10.36308	69	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	2578.785	10.79642	3577.96	10.79642	72	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	30782.24	8.04625	26088.93	8.055583	118	0 - 500	-0.0093	+/-0.50	
d3-NMeFOSA-EIS	3166.152	10.5054	3954.902	10.51457	80	0 - 500	-0.0092	+/-0.50	
d3-N-MeFOSAA-EIS	36737.41	7.871367	33310.44	7.871367	110	0 - 500	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Sequence: S5I0837
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
HVAC SW South 1-3 (25H1535-06RE1)			Lab File ID: QQQ421569.d			Analyzed: 09/07/25 23:55			
M3PFBA	35536.27	3.01225	41321.09	3.140683	86	50 - 200	-0.1284	+/-0.50	
MPFDA	61859.15	7.6897	69077.34	7.6897	90	50 - 200	0.0000	+/-0.50	
MPFHxA	103724.4	5.793817	110167.7	5.793817	94	50 - 200	0.0000	+/-0.50	
MPFHxA	103724.4	5.793817	110167.7	5.793817	94	50 - 200	0.0000	+/-0.50	
MPFHxS	22063.49	6.9733	23667.32	6.9733	93	50 - 200	0.0000	+/-0.50	
MPFNA	85202.13	7.30245	88386.7	7.30245	96	50 - 200	0.0000	+/-0.50	
MPFOA	209766.4	6.879267	218479.1	6.879267	96	50 - 200	0.0000	+/-0.50	
MPFOS	29605.96	7.821167	32087.26	7.821183	92	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	60282.49	7.302134	54296.02	7.302134	111	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	147832.2	6.878917	138774.5	6.878917	107	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	89604.75	4.910316	79616.71	4.9195	113	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	105644.7	3.027533	104997.2	3.137633	101	0 - 500	-0.1101	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	67526.17	8.423067	62047.39	8.432266	109	0 - 500	-0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	20945.98	7.820883	20193.59	7.820883	104	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	38992.21	9.229584	35547.84	9.238767	110	0 - 500	-0.0092	+/-0.50	
M7PFUdA-EIS	65963.03	8.056817	62455.57	8.066016	106	0 - 500	-0.0092	+/-0.50	
M6PFDA-EIS	48846.96	7.68945	45739.52	7.68945	107	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	94975.24	5.7922	88388.81	5.7922	107	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	94975.24	5.7922	88388.81	5.7922	107	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	37474.13	6.3998	34957.84	6.399817	107	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	23167.36	6.973617	21737.69	6.973617	107	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	26125.63	5.7495	25854.79	5.758683	101	0 - 500	-0.0092	+/-0.50	
M3-HFPO-DA-EIS	30636.65	6.047266	29266.73	6.056467	105	0 - 500	-0.0092	+/-0.50	
M2PFTeDA-EIS	60949.95	9.121616	68969.62	9.130816	88	0 - 500	-0.0092	+/-0.50	
M2-8-2FTS-EIS	14307.13	7.503033	11357.7	7.503033	126	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	15061.88	6.6833	10981.09	6.6833	137	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	8951.864	5.5608	7396.049	5.569983	121	0 - 500	-0.0092	+/-0.50	
d9-NEtFOSE-EIS	67803.63	10.66422	103343	10.66422	66	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	75964.87	10.36308	111603.4	10.36308	68	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	2376.306	10.79642	3577.96	10.79642	66	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	30838.79	8.046233	26088.93	8.055583	118	0 - 500	-0.0093	+/-0.50	
d3-NMeFOSA-EIS	2797.988	10.50538	3954.902	10.51457	71	0 - 500	-0.0092	+/-0.50	
d3-N-MeFOSAA-EIS	37745.1	7.87135	33310.44	7.871367	113	0 - 500	0.0000	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5I0837-CCV3)			Lab File ID: QQQ421570.d			Analyzed: 09/08/25 00:10			
M3PFBA	44535.38	3.13155	41321.09	3.140683	108	50 - 200	-0.0091	+/-0.50	
MPFDA	69544.36	7.680567	69077.34	7.6897	101	50 - 200	-0.0091	+/-0.50	
MPFHxA	111058.9	5.784667	110167.7	5.793817	101	50 - 200	-0.0091	+/-0.50	
MPFHxS	26012.08	6.97335	23667.32	6.9733	110	50 - 200	0.0000	+/-0.50	
MPFNA	88561.38	7.293317	88386.7	7.30245	100	50 - 200	-0.0091	+/-0.50	
MPFOA	225839.1	6.879317	218479.1	6.879267	103	50 - 200	0.0001	+/-0.50	
MPFOS	34284.13	7.812033	32087.26	7.821183	107	50 - 200	-0.0092	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	56177.82	7.293	54296.02	7.302134	103	0 - 500	-0.0091	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	143293	6.878967	138774.5	6.878917	103	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	84822.84	4.910367	79616.71	4.9195	107	0 - 500	-0.0091	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	111262.6	3.137667	104997.2	3.137633	106	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	65728.36	8.423117	62047.39	8.432266	106	0 - 500	-0.0091	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	19730.84	7.811733	20193.59	7.820883	98	0 - 500	-0.0091	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	37040.49	9.238833	35547.84	9.238767	104	0 - 500	0.0001	+/-0.50	
M7PFUdA-EIS	59661.19	8.056867	62455.57	8.066016	96	0 - 500	-0.0091	+/-0.50	
M6PFDA-EIS	46234.28	7.6803	45739.52	7.68945	101	0 - 500	-0.0091	+/-0.50	
M5PFHxA-EIS	90488.52	5.792233	88388.81	5.7922	102	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	37452.92	6.39065	34957.84	6.399817	107	0 - 500	-0.0092	+/-0.50	
M3PFHxS-EIS	23425.48	6.973667	21737.69	6.973617	108	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	26398.05	5.749533	25854.79	5.758683	102	0 - 500	-0.0092	+/-0.50	
M3-HFPO-DA-EIS	31136.42	6.047317	29266.73	6.056467	106	0 - 500	-0.0091	+/-0.50	
M2PFTeDA-EIS	67888.55	9.121683	68969.62	9.130816	98	0 - 500	-0.0091	+/-0.50	
M2-8-2FTS-EIS	12371.87	7.493883	11357.7	7.503033	109	0 - 500	-0.0091	+/-0.50	
M2-6-2FTS-EIS	13190.16	6.683333	10981.09	6.6833	120	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	7957.644	5.560833	7396.049	5.569983	108	0 - 500	-0.0091	+/-0.50	
d9-NEtFOSE-EIS	106601.6	10.66428	103343	10.66422	103	0 - 500	0.0001	+/-0.50	
d7-NMeFOSE-EIS	117115.4	10.36315	111603.4	10.36308	105	0 - 500	0.0001	+/-0.50	
d5-NEtFOSA-EIS	3759.992	10.79648	3577.96	10.79642	105	0 - 500	0.0001	+/-0.50	
d5-N-EtFOSAA-EIS	27602.81	8.046284	26088.93	8.055583	106	0 - 500	-0.0093	+/-0.50	
d3-NMeFOSA-EIS	4218.038	10.51463	3954.902	10.51457	107	0 - 500	0.0001	+/-0.50	
d3-N-MeFOSAA-EIS	36433.64	7.862216	33310.44	7.871367	109	0 - 500	-0.0092	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Blank (S5I0837-CCB3)			Lab File ID: QQQ421571.d			Analyzed: 09/08/25 00:25			
M3PFBA	50167.96	3.159033	44535.38	3.13155	113	50 - 200	0.0275	+/-0.50	
MPFDA	73595.36	7.689717	69544.36	7.680567	106	50 - 200	0.0091	+/-0.50	
MPFHxA	123077.4	5.793817	111058.9	5.784667	111	50 - 200	0.0091	+/-0.50	
MPFHxS	27060.9	6.9733	26012.08	6.97335	104	50 - 200	0.0000	+/-0.50	
MPFNA	101589	7.29325	88561.38	7.293317	115	50 - 200	-0.0001	+/-0.50	
MPFOA	248183	6.879267	225839.1	6.879317	110	50 - 200	-0.0001	+/-0.50	
MPFOS	37227.7	7.811967	34284.13	7.812033	109	50 - 200	-0.0001	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	64613.92	7.292933	56177.82	7.293	115	0 - 500	-0.0001	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	160927.5	6.878917	143293	6.878967	112	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	96372.59	4.9195	84822.84	4.910367	114	0 - 500	0.0091	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	132149.2	3.155967	111262.6	3.137667	119	0 - 500	0.0183	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	74175.16	8.423067	65728.36	8.423117	113	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	24035.21	7.811683	19730.84	7.811733	122	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	38736.55	9.238767	37040.49	9.238833	105	0 - 500	-0.0001	+/-0.50	
M7PFUdA-EIS	69376.48	8.056817	59661.19	8.056867	116	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	52272.31	7.68945	46234.28	7.6803	113	0 - 500	0.0091	+/-0.50	
M5PFHxA-EIS	104261.9	5.792183	90488.52	5.792233	115	0 - 500	-0.0001	+/-0.50	
M4PFHpA-EIS	40515.59	6.3906	37452.92	6.39065	108	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	27058.41	6.973617	23425.48	6.973667	116	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	29991.59	5.749483	26398.05	5.749533	114	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	34040.92	6.047266	31136.42	6.047317	109	0 - 500	-0.0001	+/-0.50	
M2PFTeDA-EIS	78706.82	9.121634	67888.55	9.121683	116	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	12900.86	7.493834	12371.87	7.493883	104	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	14789.71	6.6833	13190.16	6.683333	112	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	9151.944	5.560783	7957.644	5.560833	115	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	123995.6	10.66422	106601.6	10.66428	116	0 - 500	-0.0001	+/-0.50	
d7-NMeFOSE-EIS	132542.4	10.36308	117115.4	10.36315	113	0 - 500	-0.0001	+/-0.50	
d5-NEtFOSA-EIS	4249.626	10.79642	3759.992	10.79648	113	0 - 500	-0.0001	+/-0.50	
d5-N-EtFOSAA-EIS	29239.46	8.046233	27602.81	8.046284	106	0 - 500	-0.0001	+/-0.50	
d3-NMeFOSA-EIS	4418.901	10.5054	4218.038	10.51463	105	0 - 500	-0.0092	+/-0.50	
d3-N-MeFOSAA-EIS	38889.28	7.871367	36433.64	7.862216	107	0 - 500	0.0092	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
HVAC SW East 1-3 (25H1535-07RE1)			Lab File ID: QQQ421572.d			Analyzed: 09/08/25 00:41			
M3PFBA	35727.25	3.048933	44535.38	3.13155	80	50 - 200	-0.0826	+/-0.50	
MPFDA	59552.46	7.689717	69544.36	7.680567	86	50 - 200	0.0091	+/-0.50	
MPFHxA	96032.14	5.793817	111058.9	5.784667	86	50 - 200	0.0091	+/-0.50	
MPFHxA	96032.14	5.793817	111058.9	5.784667	86	50 - 200	0.0091	+/-0.50	
MPFHxS	22114.85	6.9733	26012.08	6.97335	85	50 - 200	0.0000	+/-0.50	
MPFNA	76769.91	7.293267	88561.38	7.293317	87	50 - 200	0.0000	+/-0.50	
MPFOA	195159.6	6.87925	225839.1	6.879317	86	50 - 200	-0.0001	+/-0.50	
MPFOS	29001.88	7.811983	34284.13	7.812033	85	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	57734.13	7.29295	56177.82	7.293	103	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	143854.5	6.878917	143293	6.878967	100	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	87816.23	4.910316	84822.84	4.910367	104	0 - 500	-0.0001	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	109219	3.0367	111262.6	3.137667	98	0 - 500	-0.1010	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	62082.17	8.423083	65728.36	8.423117	94	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	20233.15	7.8209	19730.84	7.811733	103	0 - 500	0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	35950.19	9.238783	37040.49	9.238833	97	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	62002.98	8.056833	59661.19	8.056867	104	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	47075.34	7.689466	46234.28	7.6803	102	0 - 500	0.0092	+/-0.50	
M5PFHxA-EIS	94002.98	5.7922	90488.52	5.792233	104	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	94002.98	5.7922	90488.52	5.792233	104	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	37150.84	6.3998	37452.92	6.39065	99	0 - 500	0.0091	+/-0.50	
M3PFHxS-EIS	23312.74	6.973617	23425.48	6.973667	100	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	25875.78	5.749483	26398.05	5.749533	98	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	31314.32	6.047266	31136.42	6.047317	101	0 - 500	-0.0001	+/-0.50	
M2PFTeDA-EIS	54966.88	9.12165	67888.55	9.121683	81	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	15106.39	7.49385	12371.87	7.493883	122	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	15279.68	6.6833	13190.16	6.683333	116	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	9184.769	5.5608	7957.644	5.560833	115	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	66537.13	10.66423	106601.6	10.66428	62	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	75239.55	10.36312	117115.4	10.36315	64	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	2348.304	10.79643	3759.992	10.79648	62	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	30200.47	8.04625	27602.81	8.046284	109	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	3009.83	10.50542	4218.038	10.51463	71	0 - 500	-0.0092	+/-0.50	
d3-N-MeFOSAA-EIS	38732.96	7.871383	36433.64	7.862216	106	0 - 500	0.0092	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Sequence: S5I0837
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
HVAC SW West 1-3 (25H1535-08RE1)			Lab File ID: QQQ421573.d			Analyzed: 09/08/25 00:56			
M3PFBA	35027.14	3.030583	44535.38	3.13155	79	50 - 200	-0.1010	+/-0.50	
MPFDA	58748.8	7.6897	69544.36	7.680567	84	50 - 200	0.0091	+/-0.50	
MPFHxA	95941.38	5.784616	111058.9	5.784667	86	50 - 200	-0.0001	+/-0.50	
MPFHxA	95941.38	5.784616	111058.9	5.784667	86	50 - 200	-0.0001	+/-0.50	
MPFHxS	20825.99	6.973283	26012.08	6.97335	80	50 - 200	-0.0001	+/-0.50	
MPFNA	79837.16	7.293233	88561.38	7.293317	90	50 - 200	-0.0001	+/-0.50	
MPFOA	194623.9	6.87925	225839.1	6.879317	86	50 - 200	-0.0001	+/-0.50	
MPFOS	29398.16	7.821167	34284.13	7.812033	86	50 - 200	0.0091	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	55111.77	7.292917	56177.82	7.293	98	0 - 500	-0.0001	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	139056.5	6.878917	143293	6.878967	97	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	84424.32	4.910316	84822.84	4.910367	100	0 - 500	-0.0001	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	98284.04	3.0367	111262.6	3.137667	88	0 - 500	-0.1010	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	58039.45	8.423067	65728.36	8.423117	88	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	19574.04	7.811666	19730.84	7.811733	99	0 - 500	-0.0001	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	38182.82	9.238767	37040.49	9.238833	103	0 - 500	-0.0001	+/-0.50	
M7PFUdA-EIS	57957.04	8.066	59661.19	8.056867	97	0 - 500	0.0091	+/-0.50	
M6PFDA-EIS	45915.01	7.689433	46234.28	7.6803	99	0 - 500	0.0091	+/-0.50	
M5PFHxA-EIS	88608.45	5.792183	90488.52	5.792233	98	0 - 500	-0.0001	+/-0.50	
M5PFHxA-EIS	88608.45	5.792183	90488.52	5.792233	98	0 - 500	-0.0001	+/-0.50	
M4PFHpA-EIS	33361.1	6.3906	37452.92	6.39065	89	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	22088.71	6.9736	23425.48	6.973667	94	0 - 500	-0.0001	+/-0.50	
M3PFBS-EIS	24780.91	5.749483	26398.05	5.749533	94	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	30006.01	6.047266	31136.42	6.047317	96	0 - 500	-0.0001	+/-0.50	
M2PFTeDA-EIS	55548.23	9.121616	67888.55	9.121683	82	0 - 500	-0.0001	+/-0.50	
M2-8-2FTS-EIS	15155.93	7.493817	12371.87	7.493883	123	0 - 500	-0.0001	+/-0.50	
M2-6-2FTS-EIS	14851.07	6.683283	13190.16	6.683333	113	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	8850.485	5.560783	7957.644	5.560833	111	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	61221.26	10.6642	106601.6	10.66428	57	0 - 500	-0.0001	+/-0.50	
d7-NMeFOSE-EIS	68787.52	10.36308	117115.4	10.36315	59	0 - 500	-0.0001	+/-0.50	
d5-NEtFOSA-EIS	2171.615	10.7964	3759.992	10.79648	58	0 - 500	-0.0001	+/-0.50	
d5-N-EtFOSAA-EIS	29081.53	8.046217	27602.81	8.046284	105	0 - 500	-0.0001	+/-0.50	
d3-NMeFOSA-EIS	2684.669	10.50538	4218.038	10.51463	64	0 - 500	-0.0092	+/-0.50	
d3-N-MeFOSAA-EIS	39725.78	7.87135	36433.64	7.862216	109	0 - 500	0.0091	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837
SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
HVAC Bottom 3 ft (25H1535-09RE1)			Lab File ID: QQQ421574.d			Analyzed: 09/08/25 01:11			
M3PFBA	34335.98	3.021417	44535.38	3.13155	77	50 - 200	-0.1101	+/-0.50	
MPFDA	57385.54	7.6897	69544.36	7.680567	83	50 - 200	0.0091	+/-0.50	
MPFHxA	96059.71	5.784633	111058.9	5.784667	86	50 - 200	0.0000	+/-0.50	
MPFHxA	96059.71	5.784633	111058.9	5.784667	86	50 - 200	0.0000	+/-0.50	
MPFHxS	21907.64	6.9733	26012.08	6.97335	84	50 - 200	0.0000	+/-0.50	
MPFNA	78975.82	7.30245	88561.38	7.293317	89	50 - 200	0.0091	+/-0.50	
MPFOA	192911.1	6.879267	225839.1	6.879317	85	50 - 200	-0.0001	+/-0.50	
MPFOS	30565.98	7.821183	34284.13	7.812033	89	50 - 200	0.0092	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	62996.08	7.302134	56177.82	7.293	112	0 - 500	0.0091	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	147020.1	6.878917	143293	6.878967	103	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	93307.11	4.910316	84822.84	4.910367	110	0 - 500	-0.0001	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	107575.5	3.009183	111262.6	3.137667	97	0 - 500	-0.1285	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	65280.73	8.423067	65728.36	8.423117	99	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	21053.47	7.820883	19730.84	7.811733	107	0 - 500	0.0091	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	40738.72	9.238767	37040.49	9.238833	110	0 - 500	-0.0001	+/-0.50	
M7PFUdA-EIS	61529.85	8.066016	59661.19	8.056867	103	0 - 500	0.0091	+/-0.50	
M6PFDA-EIS	49585.29	7.68945	46234.28	7.6803	107	0 - 500	0.0091	+/-0.50	
M5PFHxA-EIS	95787.42	5.783	90488.52	5.792233	106	0 - 500	-0.0092	+/-0.50	
M5PFHxA-EIS	95787.42	5.783	90488.52	5.792233	106	0 - 500	-0.0092	+/-0.50	
M4PFHpA-EIS	35551.32	6.3906	37452.92	6.39065	95	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	23587.19	6.973617	23425.48	6.973667	101	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	26885.15	5.7495	26398.05	5.749533	102	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	32005.16	6.047266	31136.42	6.047317	103	0 - 500	-0.0001	+/-0.50	
M2PFTeDA-EIS	59043.03	9.121634	67888.55	9.121683	87	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	15724	7.493834	12371.87	7.493883	127	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	16044	6.6833	13190.16	6.683333	122	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	9685.339	5.5608	7957.644	5.560833	122	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	67712.88	10.66422	106601.6	10.66428	64	0 - 500	-0.0001	+/-0.50	
d7-NMeFOSE-EIS	74771.79	10.3631	117115.4	10.36315	64	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	2245.259	10.79642	3759.992	10.79648	60	0 - 500	-0.0001	+/-0.50	
d5-N-EtFOSAA-EIS	32455.54	8.046233	27602.81	8.046284	118	0 - 500	-0.0001	+/-0.50	
d3-NMeFOSA-EIS	2954.952	10.5054	4218.038	10.51463	70	0 - 500	-0.0092	+/-0.50	
d3-N-MeFOSAA-EIS	40189.16	7.871367	36433.64	7.862216	110	0 - 500	0.0092	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (BI50372-MS1)			Lab File ID: QQQ421575.d			Analyzed: 09/08/25 01:27			
M3PFBA	35478.43	3.058117	44535.38	3.13155	80	50 - 200	-0.0734	+/-0.50	
MPFDA	59731.11	7.6897	69544.36	7.680567	86	50 - 200	0.0091	+/-0.50	
MPFHxA	96113.32	5.784633	111058.9	5.784667	87	50 - 200	0.0000	+/-0.50	
MPFHxS	21880.29	6.9733	26012.08	6.97335	84	50 - 200	0.0000	+/-0.50	
MPFNA	79553.72	7.30245	88561.38	7.293317	90	50 - 200	0.0091	+/-0.50	
MPFOA	200500	6.87925	225839.1	6.879317	89	50 - 200	-0.0001	+/-0.50	
MPFOS	29538.55	7.811967	34284.13	7.812033	86	50 - 200	-0.0001	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	55061.86	7.302134	56177.82	7.293	98	0 - 500	0.0091	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	139126.6	6.878917	143293	6.878967	97	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	82032.73	4.910316	84822.84	4.910367	97	0 - 500	-0.0001	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	101876	3.05505	111262.6	3.137667	92	0 - 500	-0.0826	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	59338.5	8.423067	65728.36	8.423117	90	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	19434.13	7.811683	19730.84	7.811733	98	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	36280.08	9.238767	37040.49	9.238833	98	0 - 500	-0.0001	+/-0.50	
M7PFUdA-EIS	60780.61	8.056817	59661.19	8.056867	102	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	45102.79	7.68945	46234.28	7.6803	98	0 - 500	0.0091	+/-0.50	
M5PFHxA-EIS	89952.86	5.783	90488.52	5.792233	99	0 - 500	-0.0092	+/-0.50	
M4PFHpA-EIS	32382.22	6.3998	37452.92	6.39065	86	0 - 500	0.0091	+/-0.50	
M3PFHxS-EIS	23211.28	6.973617	23425.48	6.973667	99	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	24492.01	5.7495	26398.05	5.749533	93	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	29199.83	6.047266	31136.42	6.047317	94	0 - 500	-0.0001	+/-0.50	
M2PFTeDA-EIS	51537.94	9.130816	67888.55	9.121683	76	0 - 500	0.0091	+/-0.50	
M2-8-2FTS-EIS	13812.86	7.503033	12371.87	7.493883	112	0 - 500	0.0091	+/-0.50	
M2-6-2FTS-EIS	13669.83	6.683283	13190.16	6.683333	104	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	8655.71	5.5608	7957.644	5.560833	109	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	62943.24	10.66422	106601.6	10.66428	59	0 - 500	-0.0001	+/-0.50	
d7-NMeFOSE-EIS	72063	10.3631	117115.4	10.36315	62	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	2334.456	10.79642	3759.992	10.79648	62	0 - 500	-0.0001	+/-0.50	
d5-N-EtFOSAA-EIS	29185.94	8.046233	27602.81	8.046284	106	0 - 500	-0.0001	+/-0.50	
d3-NMeFOSA-EIS	2954.939	10.5054	4218.038	10.51463	70	0 - 500	-0.0092	+/-0.50	
d3-N-MeFOSAA-EIS	38030.55	7.871367	36433.64	7.862216	104	0 - 500	0.0092	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (BI50372-MSD1)			Lab File ID: QQQ421576.d			Analyzed: 09/08/25 01:42			
M3PFBA	34359.74	3.058117	44535.38	3.13155	77	50 - 200	-0.0734	+/-0.50	
MPFDA	57683.52	7.689717	69544.36	7.680567	83	50 - 200	0.0091	+/-0.50	
MPFHxA	92223.38	5.784633	111058.9	5.784667	83	50 - 200	0.0000	+/-0.50	
MPFHxS	21724.27	6.9733	26012.08	6.97335	84	50 - 200	0.0000	+/-0.50	
MPFNA	76440.64	7.30245	88561.38	7.293317	86	50 - 200	0.0091	+/-0.50	
MPFOA	190388.3	6.879267	225839.1	6.879317	84	50 - 200	-0.0001	+/-0.50	
MPFOS	27564.3	7.821183	34284.13	7.812033	80	50 - 200	0.0092	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	53679.53	7.302134	56177.82	7.293	96	0 - 500	0.0091	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	131843.5	6.888117	143293	6.878967	92	0 - 500	0.0091	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	82361.3	4.910333	84822.84	4.910367	97	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	100657.5	3.045883	111262.6	3.137667	90	0 - 500	-0.0918	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	58939.15	8.432266	65728.36	8.423117	90	0 - 500	0.0091	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	17910.12	7.820883	19730.84	7.811733	91	0 - 500	0.0091	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	34889.46	9.238767	37040.49	9.238833	94	0 - 500	-0.0001	+/-0.50	
M7PFUdA-EIS	55218.35	8.066016	59661.19	8.056867	93	0 - 500	0.0091	+/-0.50	
M6PFDA-EIS	46246.08	7.68945	46234.28	7.6803	100	0 - 500	0.0091	+/-0.50	
M5PFHxA-EIS	87491.34	5.7922	90488.52	5.792233	97	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	31096.22	6.399817	37452.92	6.39065	83	0 - 500	0.0092	+/-0.50	
M3PFHxS-EIS	21332.13	6.973617	23425.48	6.973667	91	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	24038.05	5.7495	26398.05	5.749533	91	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	27555.07	6.047283	31136.42	6.047317	88	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	51722.74	9.121616	67888.55	9.121683	76	0 - 500	-0.0001	+/-0.50	
M2-8-2FTS-EIS	14160.25	7.503033	12371.87	7.493883	114	0 - 500	0.0091	+/-0.50	
M2-6-2FTS-EIS	14491.4	6.6833	13190.16	6.683333	110	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	8440.48	5.5608	7957.644	5.560833	106	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	61906.73	10.66422	106601.6	10.66428	58	0 - 500	-0.0001	+/-0.50	
d7-NMeFOSE-EIS	70067.8	10.36308	117115.4	10.36315	60	0 - 500	-0.0001	+/-0.50	
d5-NEtFOSA-EIS	2259.608	10.79642	3759.992	10.79648	60	0 - 500	-0.0001	+/-0.50	
d5-N-EtFOSAA-EIS	28264.38	8.046233	27602.81	8.046284	102	0 - 500	-0.0001	+/-0.50	
d3-NMeFOSA-EIS	2934.804	10.51457	4218.038	10.51463	70	0 - 500	-0.0001	+/-0.50	
d3-N-MeFOSAA-EIS	35845.64	7.871367	36433.64	7.862216	98	0 - 500	0.0092	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837
SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
HVAC DUP (25H1535-10RE1)			Lab File ID: QQQ421577.d			Analyzed: 09/08/25 01:57			
M3PFBA	33841.84	3.030583	44535.38	3.13155	76	50 - 200	-0.1010	+/-0.50	
MPFDA	58493.01	7.689717	69544.36	7.680567	84	50 - 200	0.0091	+/-0.50	
MPFHxA	95154.01	5.793817	111058.9	5.784667	86	50 - 200	0.0091	+/-0.50	
MPFHxA	95154.01	5.793817	111058.9	5.784667	86	50 - 200	0.0091	+/-0.50	
MPFHxS	21941.92	6.9733	26012.08	6.97335	84	50 - 200	0.0000	+/-0.50	
MPFNA	77713.52	7.30245	88561.38	7.293317	88	50 - 200	0.0091	+/-0.50	
MPFOA	188980.7	6.87925	225839.1	6.879317	84	50 - 200	-0.0001	+/-0.50	
MPFOS	28522.92	7.821183	34284.13	7.812033	83	50 - 200	0.0092	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	57016.73	7.302134	56177.82	7.293	101	0 - 500	0.0091	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	140294.7	6.878917	143293	6.878967	98	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	87413.08	4.910316	84822.84	4.910367	103	0 - 500	-0.0001	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	103279.3	3.027533	111262.6	3.137667	93	0 - 500	-0.1101	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	63664.77	8.432266	65728.36	8.423117	97	0 - 500	0.0091	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	19372.5	7.820883	19730.84	7.811733	98	0 - 500	0.0091	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	37481.26	9.238783	37040.49	9.238833	101	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	60239.85	8.075216	59661.19	8.056867	101	0 - 500	0.0183	+/-0.50	
M6PFDA-EIS	44557.46	7.68945	46234.28	7.6803	96	0 - 500	0.0091	+/-0.50	
M5PFHxA-EIS	91370.48	5.792183	90488.52	5.792233	101	0 - 500	-0.0001	+/-0.50	
M5PFHxA-EIS	91370.48	5.792183	90488.52	5.792233	101	0 - 500	-0.0001	+/-0.50	
M4PFHpA-EIS	33701.38	6.3998	37452.92	6.39065	90	0 - 500	0.0091	+/-0.50	
M3PFHxS-EIS	22100.08	6.973617	23425.48	6.973667	94	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	25363.89	5.749483	26398.05	5.749533	96	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	28648.25	6.047266	31136.42	6.047317	92	0 - 500	-0.0001	+/-0.50	
M2PFTeDA-EIS	53940.08	9.130816	67888.55	9.121683	79	0 - 500	0.0091	+/-0.50	
M2-8-2FTS-EIS	15241.33	7.503033	12371.87	7.493883	123	0 - 500	0.0091	+/-0.50	
M2-6-2FTS-EIS	15617.76	6.683283	13190.16	6.683333	118	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	9125.011	5.569967	7957.644	5.560833	115	0 - 500	0.0091	+/-0.50	
d9-NEtFOSE-EIS	62363.23	10.66423	106601.6	10.66428	59	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	69811.03	10.37228	117115.4	10.36315	60	0 - 500	0.0091	+/-0.50	
d5-NEtFOSA-EIS	2384.387	10.79643	3759.992	10.79648	63	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	29729.39	8.055583	27602.81	8.046284	108	0 - 500	0.0093	+/-0.50	
d3-NMeFOSA-EIS	2710.594	10.51458	4218.038	10.51463	64	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	36277.2	7.880567	36433.64	7.862216	100	0 - 500	0.0184	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5I0837-CCV4)			Lab File ID: QQQ421584.d			Analyzed: 09/08/25 03:44			
M3PFBA	43499.07	3.13155	44535.38	3.13155	98	50 - 200	0.0000	+/-0.50	
MPFDA	66413.43	7.69895	69544.36	7.680567	95	50 - 200	0.0184	+/-0.50	
MPFHxA	110298.2	5.79385	111058.9	5.784667	99	50 - 200	0.0092	+/-0.50	
MPFHxS	24817.62	6.982533	26012.08	6.97335	95	50 - 200	0.0092	+/-0.50	
MPFNA	90690.04	7.302484	88561.38	7.293317	102	50 - 200	0.0092	+/-0.50	
MPFOA	221303.4	6.888484	225839.1	6.879317	98	50 - 200	0.0092	+/-0.50	
MPFOS	32497.55	7.8212	34284.13	7.812033	95	50 - 200	0.0092	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	57381.73	7.302166	56177.82	7.293	102	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	139595.1	6.88815	143293	6.878967	97	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	84211.65	4.919533	84822.84	4.910367	99	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	112304.3	3.128483	111262.6	3.137667	101	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	60583.49	8.4323	65728.36	8.423117	92	0 - 500	0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	19902	7.8209	19730.84	7.811733	101	0 - 500	0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	37209.75	9.2388	37040.49	9.238833	100	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	62874.88	8.06605	59661.19	8.056867	105	0 - 500	0.0092	+/-0.50	
M6PFDA-EIS	47676.68	7.698683	46234.28	7.6803	103	0 - 500	0.0184	+/-0.50	
M5PFHxA-EIS	89899.69	5.792233	90488.52	5.792233	99	0 - 500	0.0000	+/-0.50	
M4PFHpA-EIS	34713.04	6.399833	37452.92	6.39065	93	0 - 500	0.0092	+/-0.50	
M3PFHxS-EIS	22792.8	6.98285	23425.48	6.973667	97	0 - 500	0.0092	+/-0.50	
M3PFBS-EIS	26376.33	5.749533	26398.05	5.749533	100	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	30095.01	6.0565	31136.42	6.047317	97	0 - 500	0.0092	+/-0.50	
M2PFTeDA-EIS	66335.91	9.13085	67888.55	9.121683	98	0 - 500	0.0092	+/-0.50	
M2-8-2FTS-EIS	13937.16	7.503067	12371.87	7.493883	113	0 - 500	0.0092	+/-0.50	
M2-6-2FTS-EIS	14918.88	6.692533	13190.16	6.683333	113	0 - 500	0.0092	+/-0.50	
M2-4-2FTS-EIS	8720.56	5.560833	7957.644	5.560833	110	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	103607.5	10.67343	106601.6	10.66428	97	0 - 500	0.0091	+/-0.50	
d7-NMeFOSE-EIS	112866.9	10.37232	117115.4	10.36315	96	0 - 500	0.0092	+/-0.50	
d5-NEtFOSA-EIS	3741.073	10.80563	3759.992	10.79648	99	0 - 500	0.0091	+/-0.50	
d5-N-EtFOSAA-EIS	28693.27	8.055616	27602.81	8.046284	104	0 - 500	0.0093	+/-0.50	
d3-NMeFOSA-EIS	4096.975	10.51462	4218.038	10.51463	97	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	37510.92	7.871383	36433.64	7.862216	103	0 - 500	0.0092	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Blank (S5I0837-CCB4)			Lab File ID: QQQ421585.d			Analyzed: 09/08/25 04:00			
M3PFBA	49063.95	3.14985	43499.07	3.13155	113	50 - 200	0.0183	+/-0.50	
MPFDA	70335.34	7.698916	66413.43	7.69895	106	50 - 200	0.0000	+/-0.50	
MPFHxA	122717.6	5.793817	110298.2	5.79385	111	50 - 200	0.0000	+/-0.50	
MPFHxS	28710.39	6.9825	24817.62	6.982533	116	50 - 200	0.0000	+/-0.50	
MPFNA	98179.59	7.31165	90690.04	7.302484	108	50 - 200	0.0092	+/-0.50	
MPFOA	242565.2	6.88845	221303.4	6.888484	110	50 - 200	0.0000	+/-0.50	
MPFOS	36953.88	7.821167	32497.55	7.8212	114	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	63913.41	7.311333	57381.73	7.302166	111	0 - 500	0.0092	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	154067.4	6.888117	139595.1	6.88815	110	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	95461.8	4.9195	84211.65	4.919533	113	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	130588.4	3.155967	112304.3	3.128483	116	0 - 500	0.0275	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	71523.88	8.432266	60583.49	8.4323	118	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	23710.74	7.820867	19902	7.8209	119	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	36540.31	9.238783	37209.75	9.2388	98	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	65777.84	8.066016	62874.88	8.06605	105	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	49900.73	7.69865	47676.68	7.698683	105	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	102581.7	5.792183	89899.69	5.792233	114	0 - 500	-0.0001	+/-0.50	
M4PFHpA-EIS	37976.84	6.3998	34713.04	6.399833	109	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	27200.16	6.982817	22792.8	6.98285	119	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	29857.8	5.758683	26376.33	5.749533	113	0 - 500	0.0092	+/-0.50	
M3-HFPO-DA-EIS	32709	6.05645	30095.01	6.0565	109	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	75492.11	9.130816	66335.91	9.13085	114	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	15055.07	7.503033	13937.16	7.503067	108	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	17635.62	6.6925	14918.88	6.692533	118	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	9858.841	5.569967	8720.56	5.560833	113	0 - 500	0.0091	+/-0.50	
d9-NEtFOSE-EIS	121473.4	10.6734	103607.5	10.67343	117	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	127513.9	10.37228	112866.9	10.37232	113	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	4266.429	10.8056	3741.073	10.80563	114	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	30810.96	8.0556	28693.27	8.055616	107	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	4974.738	10.51458	4096.975	10.51462	121	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	39230.37	7.880567	37510.92	7.871383	105	0 - 500	0.0092	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5I0837-CCV5)			Lab File ID: QQQ421593.d			Analyzed: 09/08/25 06:03			
M3PFBA	45363.92	3.122333	43499.07	3.13155	104	50 - 200	-0.0092	+/-0.50	
MPFDA	66196.98	7.689717	66413.43	7.69895	100	50 - 200	-0.0092	+/-0.50	
MPFHxA	109439.4	5.793817	110298.2	5.79385	99	50 - 200	0.0000	+/-0.50	
MPFHxS	24810.76	6.9733	24817.62	6.982533	100	50 - 200	-0.0092	+/-0.50	
MPFNA	89115.74	7.30245	90690.04	7.302484	98	50 - 200	0.0000	+/-0.50	
MPFOA	227287.5	6.87925	221303.4	6.888484	103	50 - 200	-0.0092	+/-0.50	
MPFOS	34686.43	7.821183	32497.55	7.8212	107	50 - 200	0.0000	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	58214.28	7.302134	57381.73	7.302166	101	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	139849.1	6.878917	139595.1	6.88815	100	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	86268.26	4.910316	84211.65	4.919533	102	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	116695.7	3.119267	112304.3	3.128483	104	0 - 500	-0.0092	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	62997.2	8.423067	60583.49	8.4323	104	0 - 500	-0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	20861.59	7.820883	19902	7.8209	105	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	35074.93	9.238783	37209.75	9.2388	94	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	57459.04	8.066016	62874.88	8.06605	91	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	46328.7	7.68945	47676.68	7.698683	97	0 - 500	-0.0092	+/-0.50	
M5PFHxA-EIS	93223.64	5.792183	89899.69	5.792233	104	0 - 500	-0.0001	+/-0.50	
M4PFHpA-EIS	34201.93	6.3998	34713.04	6.399833	99	0 - 500	0.0000	+/-0.50	
M3PFHxS-EIS	23686.5	6.973617	22792.8	6.98285	104	0 - 500	-0.0092	+/-0.50	
M3PFBS-EIS	26463.38	5.749483	26376.33	5.749533	100	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	28326.7	6.047266	30095.01	6.0565	94	0 - 500	-0.0092	+/-0.50	
M2PFTeDA-EIS	66194.72	9.121634	66335.91	9.13085	100	0 - 500	-0.0092	+/-0.50	
M2-8-2FTS-EIS	14766.83	7.503033	13937.16	7.503067	106	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	16421.02	6.692483	14918.88	6.692533	110	0 - 500	0.0000	+/-0.50	
M2-4-2FTS-EIS	9357.391	5.560783	8720.56	5.560833	107	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	107962.5	10.66422	103607.5	10.67343	104	0 - 500	-0.0092	+/-0.50	
d7-NMeFOSE-EIS	116783.5	10.37228	112866.9	10.37232	103	0 - 500	0.0000	+/-0.50	
d5-NEtFOSA-EIS	3683.404	10.8056	3741.073	10.80563	98	0 - 500	0.0000	+/-0.50	
d5-N-EtFOSAA-EIS	28527.48	8.055583	28693.27	8.055616	99	0 - 500	0.0000	+/-0.50	
d3-NMeFOSA-EIS	4169.461	10.51458	4096.975	10.51462	102	0 - 500	0.0000	+/-0.50	
d3-N-MeFOSAA-EIS	35505.97	7.871367	37510.92	7.871383	95	0 - 500	0.0000	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 1633A

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5I0837

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: QQQ4
Calibration: SH50063

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Blank (S5I0837-CCB5)			Lab File ID: QQQ421594.d			Analyzed: 09/08/25 06:18			
M3PFBA	50433.4	3.14985	45363.92	3.122333	111	50 - 200	0.0275	+/-0.50	
MPFDA	74655	7.689717	66196.98	7.689717	113	50 - 200	0.0000	+/-0.50	
MPFHxA	122171.5	5.784616	109439.4	5.793817	112	50 - 200	-0.0092	+/-0.50	
MPFHxS	28578.69	6.973283	24810.76	6.9733	115	50 - 200	0.0000	+/-0.50	
MPFNA	97666.38	7.30245	89115.74	7.30245	110	50 - 200	0.0000	+/-0.50	
MPFOA	241657.8	6.87925	227287.5	6.87925	106	50 - 200	0.0000	+/-0.50	
MPFOS	36315.66	7.811967	34686.43	7.821183	105	50 - 200	-0.0092	+/-0.50	
Perfluoro-n-[13C9]nonanoic acid (M9	61216.78	7.302134	58214.28	7.302134	105	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C8]octanoic acid (M8	156410.5	6.878917	139849.1	6.878917	112	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C54]pentanoic acid (M	98491.48	4.910316	86268.26	4.910316	114	0 - 500	0.0000	+/-0.50	
Perfluoro-n-[13C4]butanoic acid (MP	134563.6	3.1468	116695.7	3.119267	115	0 - 500	0.0275	+/-0.50	
Perfluoro-n-[1,2-13C2]dodecanoic ac	70907.63	8.423067	62997.2	8.423067	113	0 - 500	0.0000	+/-0.50	
Perfluoro-1-[13C8]octanesulfonic aci	22843.92	7.811666	20861.59	7.820883	110	0 - 500	-0.0092	+/-0.50	
Perfluoro-1-[13C8]octanesulfonamid	38398.51	9.238767	35074.93	9.238783	109	0 - 500	0.0000	+/-0.50	
M7PFUdA-EIS	67494.62	8.066016	57459.04	8.066016	117	0 - 500	0.0000	+/-0.50	
M6PFDA-EIS	47854.12	7.68945	46328.7	7.68945	103	0 - 500	0.0000	+/-0.50	
M5PFHxA-EIS	103754.3	5.783	93223.64	5.792183	111	0 - 500	-0.0092	+/-0.50	
M4PFHpA-EIS	37785.37	6.3906	34201.93	6.3998	110	0 - 500	-0.0092	+/-0.50	
M3PFHxS-EIS	26681.45	6.9736	23686.5	6.973617	113	0 - 500	0.0000	+/-0.50	
M3PFBS-EIS	29841.01	5.749483	26463.38	5.749483	113	0 - 500	0.0000	+/-0.50	
M3-HFPO-DA-EIS	32920.23	6.047266	28326.7	6.047266	116	0 - 500	0.0000	+/-0.50	
M2PFTeDA-EIS	77995.97	9.121634	66194.72	9.121634	118	0 - 500	0.0000	+/-0.50	
M2-8-2FTS-EIS	17654.6	7.503033	14766.83	7.503033	120	0 - 500	0.0000	+/-0.50	
M2-6-2FTS-EIS	18723.61	6.683283	16421.02	6.692483	114	0 - 500	-0.0092	+/-0.50	
M2-4-2FTS-EIS	10624.72	5.560783	9357.391	5.560783	114	0 - 500	0.0000	+/-0.50	
d9-NEtFOSE-EIS	125105.6	10.66422	107962.5	10.66422	116	0 - 500	0.0000	+/-0.50	
d7-NMeFOSE-EIS	131319.6	10.3631	116783.5	10.37228	112	0 - 500	-0.0092	+/-0.50	
d5-NEtFOSA-EIS	4289.525	10.79642	3683.404	10.8056	116	0 - 500	-0.0092	+/-0.50	
d5-N-EtFOSAA-EIS	32480.48	8.046233	28527.48	8.055583	114	0 - 500	-0.0093	+/-0.50	
d3-NMeFOSA-EIS	4785.078	10.5054	4169.461	10.51458	115	0 - 500	-0.0092	+/-0.50	
d3-N-MeFOSAA-EIS	40596.5	7.871367	35505.97	7.871367	114	0 - 500	0.0000	+/-0.50	

FORM VI

INITIAL CALIBRATION DATA

EPA 1633A

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50063

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: QQQ4

Calibration Date: 08/27/25 08:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
M5PFHxA	2.5	0.9486151	2.5	1.029759	2.5	0.9791754	2.5	1.010663	2.5	0.9125212	2.5	0.9353228
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	0.4	9.176125E-03	1	1.082545E-02	2.5	1.086719E-02	5	1.184515E-02	10	1.373813E-02	25	1.353732E-02
11CL-PF3OUdS	0.756	2.703845	1.89	2.492676	4.72	2.599817	9.45	2.78284	18.9	3.298891	47.2	3.077304
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	0.768	2.313507	1.92	2.214563	4.8	2.061054	9.6	2.057445	19.2	2.343972	48	2.189708
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	0.75	3.683263	1.88	3.218636	4.69	3.316236	9.38	3.240658	18.8	3.723252	46.9	3.628268
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	0.76	3.371523	1.9	2.806561	4.75	2.706387	9.5	2.696363	19	3.014264	47.5	3.194555
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	5	0.1284023	12.5	0.1261657	31.2	0.1307076	62.6	0.1339899	125	0.1544293	312	0.163333
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	5	8.480291E-02	12.5	0.0794635	31.2	8.141833E-02	62.6	8.461317E-02	125	9.670511E-02	312	0.103434
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	1	1.534373E-02	2.5	1.647852E-02	6.24	1.665075E-02	12.5	0.0176881	25	1.957011E-02	62.4	2.289652E-02
9CL-PF3ONS	0.748	4.887556	1.87	4.320338	4.68	4.425499	9.35	4.790825	18.7	5.527555	46.8	5.179183
ADONA	0.756	6.974329	1.89	5.933621	4.72	6.187961	9.45	6.682083	18.9	7.632203	47.2	7.072924
d3-N-MeFOSAA	5	0.5575936	5	0.6024319	5	0.5491734	5	0.5948005	5	0.5515171	5	0.5357846
d5-N-EtFOSAA	5	0.449474	5	0.4826062	5	0.4392574	5	0.4546899	5	0.4225633	5	0.4264955
d7-N-MeFOSE	25	0.3438707	25	0.3605167	25	0.3358856	25	0.3513773	25	0.3445466	25	0.3370092
d9-N-EtFOSE	25	0.2666451	25	0.2805675	25	0.2583049	25	0.2788488	25	0.2726595	25	0.2711071
d-N-EtFOSA	2.5	0.1033431	2.5	0.113303	2.5	0.1012656	2.5	0.1029119	2.5	9.527691E-02	2.5	0.1035502
d-N-MeFOSA	2.5	0.1096726	2.5	0.1298519	2.5	0.1168384	2.5	0.1261785	2.5	0.1164229	2.5	0.1187177
HFPO-DA (Gen-X)	0.8	0.2772791	2	0.2510748	5	0.2511725	10	0.2445857	20	0.3066753	50	0.2844384
M2-4:2 FTS	4.69	0.5170245	4.69	0.5851836	4.69	0.5131569	4.69	0.5098367	4.69	0.4519681	4.69	0.400068
M2-6:2 FTS	4.76	0.6307685	4.76	0.6762512	4.76	0.6382382	4.76	0.6132229	4.76	0.546188	4.76	0.4622561
M2-8:2 FTS	4.8	0.5579305	4.8	0.6043715	4.8	0.5406142	4.8	0.5303455	4.8	0.4809507	4.8	0.4411536
M2PFTeDA	1.25	1.022865	1.25	1.058226	1.25	1.03934	1.25	1.002049	1.25	0.9576559	1.25	1.0215
M3HFPO-DA	10	7.061192E-02	10	7.986791E-02	10	8.065938E-02	10	0.077162	10	7.099827E-02	10	7.171955E-02
M3PFBS	2.33	1.023877	2.33	1.091812	2.33	1.019168	2.33	1.042722	2.33	0.9665334	2.33	0.90947
M3PFHxS	2.37	0.94921	2.37	1.07028	2.37	0.9913026	2.37	0.9199844	2.37	0.9315867	2.37	0.9205431
M4PFHpA	2.5	0.3236275	2.5	0.3486246	2.5	0.3373421	2.5	0.3183948	2.5	0.3120261	2.5	0.3247254

FORM VI

INITIAL CALIBRATION DATA

EPA 1633A

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50063

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: QQQ4

Calibration Date: 08/27/25 08:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
M5PFHxA	2.5	0.9486151	2.5	1.029759	2.5	0.9791754	2.5	1.010663	2.5	0.9125212	2.5	0.9353228
M6PFDA	1.25	0.735423	1.25	0.7600439	1.25	0.726767	1.25	0.6872545	1.25	0.6746961	1.25	0.7203459
M7PFUdA	1.25	1.016508	1.25	0.9690608	1.25	0.9804844	1.25	0.9790296	1.25	0.8863734	1.25	0.8617895
M9PFNA	1.25	0.5729471	1.25	0.5764373	1.25	0.5349314	1.25	0.5274102	1.25	0.5471388	1.25	0.5255391
N-EtFOSA	0.2	1.294872	0.5	1.372103	1.25	1.254558	2.5	1.301088	5	1.593225	12.5	1.429675
N-EtFOSAA	0.2	1.357465	0.5	1.366162	1.25	1.213293	2.5	1.232461	5	1.466561	12.5	1.513798
N-EtFOSE	2	1.537386	5	1.561709	12.5	1.567637	25	1.556288	50	1.729996	125	1.700503
N-MeFOSA	0.2	1.273068	0.5	1.31722	1.25	1.228055	2.5	1.155807	5	1.37562	12.5	1.386684
N-MeFOSAA	0.2	1.284571	0.5	1.22461	1.25	1.106508	2.5	1.092958	5	1.337562	12.5	1.331342
N-MeFOSE	2	1.095491	5	1.157023	12.5	1.083719	25	1.099243	50	1.224849	125	1.230991
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.356	1.340655	0.89	1.470572	2.22	1.47068	4.45	1.430947	8.9	1.648447	22.2	1.630143
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.5	1.349833	2.5	1.463452	2.5	1.315883	2.5	1.375079	2.5	1.349131	2.5	1.275832
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.4	0.6400693	2.4	0.7076488	2.4	0.5800337	2.4	0.6298432	2.4	0.610357	2.4	0.6258908
Perfluoro-1-decanesulfonic acid (PFDS)	0.193	1.178852	0.482	0.7957915	1.21	0.8664282	2.41	0.85589	4.82	0.9488001	12.1	0.9205171
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.191	1.604986	0.476	1.34789	1.19	1.564228	2.38	1.49908	4.76	1.677679	11.9	1.620392
Perfluoro-1-nonanesulfonic acid (PFNS)	0.192	2.12322	0.481	1.501753	1.2	1.268302	2.4	1.298466	4.81	1.391984	12	1.315992
Perfluoro-1-octanesulfonamide (FOSA)	0.2	1.436388	0.5	1.27161	1.25	1.209681	2.5	1.260276	5	1.448785	12.5	1.460081
Perfluoro-1-pentanesulfonate (PFPeS)	0.188	1.965118	0.47	1.466065	1.18	1.399295	2.35	1.616493	4.7	1.672692	11.8	1.806012
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	0.4	9.176125E-03	1	1.082545E-02	2.5	1.086719E-02	5	1.184515E-02	10	1.373813E-02	25	1.353732E-02
Perfluoro-4-oxapentanoic acid (PFMPA)	0.4	0.906028	1	0.9298853	2.5	0.8824036	5	0.9216493	10	1.006321	25	1.063532
Perfluoro-5-oxahexanoic acid (PFMBA)	0.4	1.193249	1	1.208238	2.5	1.129869	5	1.161183	10	1.31161	25	1.344775
Perfluorobutanesulfonic acid (PFBS)	0.177	1.517223	0.444	1.40354	1.11	1.368663	2.22	1.319209	4.44	1.559584	11.1	1.736957

FORM VI

INITIAL CALIBRATION DATA

EPA 1633A

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50063

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: QQQ4

Calibration Date: 08/27/25 08:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Perfluorodecanoic acid (PFDA)	0.2	1.38882	0.5	1.352024	1.25	1.255135	2.5	1.415542	5	1.507704	12.5	1.448629
Perfluorododecanesulfonic acid (PFDoS)	0.194	0.5388697	0.485	0.4972597	1.21	0.4719835	2.42	0.4971313	4.85	0.5663299	12.1	0.5516165
Perfluorododecanoic acid (PFDoA)	0.2	0.8037686	0.5	0.7341568	1.25	0.7343139	2.5	0.748572	5	0.8880341	12.5	0.9326149
Perfluoroheptanoic acid (PFHpA)	0.2	4.088272	0.5	3.479137	1.25	3.248273	2.5	3.678542	5	4.052135	12.5	4.113496
Perfluorohexanesulfonic acid (PFHxS)	0.183	1.722681	0.457	1.504543	1.14	1.481914	2.28	1.49941	4.57	1.684345	11.4	1.759084
Perfluorohexanoic acid (PFHxA)	0.2	1.402997	0.5	1.227619	1.25	1.253372	2.5	1.239863	5	1.43535	12.5	1.460843
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	1.027387	1.25	1.02048	1.25	0.9965807	1.25	1.015054	1.25	0.9348451	1.25	0.9297056
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10	1.338789	10	1.380734	10	1.347567	10	1.400592	10	1.279198	10	1.271338
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5	0.4571363	5	0.4870676	5	0.4828201	5	0.4791774	5	0.4525214	5	0.4423185
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.5	0.6259756	2.5	0.6249141	2.5	0.609054	2.5	0.6549792	2.5	0.5879748	2.5	0.5875242
Perfluoro-n-butanoic acid (PFBA)	0.8	1.344222	2	1.282395	5	1.205824	10	1.247161	20	1.461123	50	1.528201
Perfluorononanoic acid (PFNA)	0.2	1.362421	0.5	1.2162	1.25	1.215039	2.5	1.302784	5	1.365	12.5	1.539666
Perfluorooctanesulfonic acid (PFOS)	0.186	2.030324	0.464	1.49712	1.16	1.45191	2.32	1.454352	4.64	1.643277	11.6	1.633419
Perfluorooctanoic acid (PFOA)	0.2	1.067807	0.5	1.031121	1.25	0.9849923	2.5	1.000358	5	1.151832	12.5	1.190726
Perfluoropentanoic acid (PFPeA)	0.4	1.223218	1	1.115041	2.5	1.075112	5	1.102895	10	1.246405	25	1.319045
Perfluorotetradecanoic acid (PFTA)	0.2	1.404105	0.5	1.188977	1.25	1.216687	2.5	1.258404	5	1.415508	12.5	1.412114
Perfluorotridecanoic acid (PFTrDA)	0.2	0.8331362	0.5	0.7656829	1.25	0.7429661	2.5	0.8193108	5	0.9429276	12.5	0.910344
Perfluoroundecanoic acid (PFUnA)	0.2	1.194461	0.5	1.164515	1.25	1.095214	2.5	1.160962	5	1.378774	12.5	1.473867

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50063
Instrument: QQQ4
Calibration Date: 08/27/25 08:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
M5PFHxA	2.5	1.013127	2.5	0.9594543								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	50	1.334626E-02	125	1.592872E-02								
11CL-PF3OUdS	94.5	3.703661	236	4.114602								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	96	1.785845	240	1.475004								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	93.8	3.4354	234	3.200493								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	95	2.71516	238	2.591738								
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	624	0.1475778	1560	0.1734518								
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	624	9.025091E-02	1560	0.1028041								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	125	2.233912E-02	312	2.879087E-02								
9CL-PF3ONS	93.5	6.178925	234	6.663019								
ADONA	94.5	8.10687	236	8.611229								
d3-N-MeFOSAA	5	0.5870615	5	0.4825559								
d5-N-EtFOSAA	5	0.4300509	5	0.3853203								
d7-N-MeFOSE	25	0.3521333	25	0.3132356								
d9-N-EtFOSE	25	0.2778009	25	0.2524311								
d-N-EtFOSA	2.5	0.110489	2.5	9.701333E-02								
d-N-MeFOSA	2.5	0.1259759	2.5	0.131154								
HFPO-DA (Gen-X)	100	0.3155548	250	0.3145584								
M2-4:2 FTS	4.69	0.3434741	4.69	0.3095431								
M2-6:2 FTS	4.76	0.4351724	4.76	0.3725195								
M2-8:2 FTS	4.8	0.4573976	4.8	0.459028								
M2PFTeDA	1.25	1.073443	1.25	1.124771								
M3HFPO-DA	10	7.064645E-02	10	6.273386E-02								
M3PFBS	2.33	0.9836288	2.33	0.9095401								
M3PFHxS	2.37	1.023339	2.37	1.010163								
M4PFHpA	2.5	0.3271539	2.5	0.3577112								

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50063
Instrument: QQQ4
Calibration Date: 08/27/25 08:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
M5PFHxA	2.5	1.013127	2.5	0.9594543								
M6PFDA	1.25	0.7202421	1.25	0.6609824								
M7PFUdA	1.25	0.9052163	1.25	0.8975467								
M9PFNA	1.25	0.5710336	1.25	0.560438								
N-EtFOSA	25	1.570811	62.5	1.866713								
N-EtFOSAA	25	1.446756	62.5	1.57659								
N-EtFOSE	250	1.809245	625	1.776977								
N-MeFOSA	25	1.473125	62.5	1.498585								
N-MeFOSAA	25	1.209145	62.5	1.411499								
N-MeFOSE	250	1.282715	625	1.31471								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	44.5	1.69646	111	1.925921								
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.5	1.361328	2.5	1.227543								
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.4	0.6670638	2.4	0.6251574								
Perfluoro-1-decanesulfonic acid (PFDS)	24.1	0.8698718	60.3	0.9594723								
Perfluoro-1-heptanesulfonic acid (PFHpS)	23.8	1.52838	59.6	1.564874								
Perfluoro-1-nonanesulfonic acid (PFNS)	24	1.222356	60.1	1.301804								
Perfluoro-1-octanesulfonamide (FOSA)	25	1.352324	62.5	1.503803								
Perfluoro-1-pentanesulfonate (PFPeS)	23.5	1.61177	58.8	1.710445								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	50	1.334626E-02	125	1.592872E-02								
Perfluoro-4-oxapentanoic acid (PFMPA)	50	1.096031	125	1.212345								
Perfluoro-5-oxahexanoic acid (PFMBA)	50	1.373584	125	1.496013								
Perfluorobutanesulfonic acid (PFBS)	22.2	1.541683	55.4	1.701674								

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50063
Instrument: QQQ4
Calibration Date: 08/27/25 08:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Perfluorodecanoic acid (PFDA)	25	1.457299	62.5	1.562814								
Perfluorododecanesulfonic acid (PFDoS)	24.2	0.5230243	60.6	0.5874954								
Perfluorododecanoic acid (PFDoA)	25	0.8465035	62.5	0.8544461								
Perfluoroheptanoic acid (PFHpA)	25	4.107479	62.5	4.264622								
Perfluorohexanesulfonic acid (PFHxS)	22.8	1.556032	57.1	1.729682								
Perfluorohexanoic acid (PFHxA)	25	1.332643	62.5	1.51238								
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	1.024774	1.25	1.047239								
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10	1.394058	10	1.415197								
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5	0.4681988	5	0.4554373								
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.5	0.6585185	2.5	0.6484228								
Perfluoro-n-butanoic acid (PFBA)	100	1.366526	250	1.505511								
Perfluorononanoic acid (PFNA)	25	1.385462	62.5	1.481603								
Perfluorooctanesulfonic acid (PFOS)	23.2	1.519887	58	1.689991								
Perfluorooctanoic acid (PFOA)	25	1.06997	62.5	1.17426								
Perfluoropentanoic acid (PFPeA)	50	1.193635	125	1.308624								
Perfluorotetradecanoic acid (PFTA)	25	1.365618	62.5	1.321272								
Perfluorotridecanoic acid (PFTrDA)	25	0.8357609	62.5	0.8273824								
Perfluoroundecanoic acid (PFUnA)	25	1.357013	62.5	1.38104								

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 1633A

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50063

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: QQQ4

Calibration Date: 08/27/25 08:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
M5PFHxA	0.9735797	4.277693	5.899858	8.257495E-02			20	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1.240804E-02	17.22092	5.824023	5.344589E-02		0.9997355	0.995	
11CL-PF3OUdS	3.096705	18.55203	9.022029	4.720698E-02		0.9994154	0.995	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	2.055137	14.2792	7.617036	6.045298E-02			20	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	3.430776	6.382333	5.670508	6.062795E-02			20	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	2.887069	9.599756	6.79305	4.608026E-02			20	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	0.1447572	12.23676	7.570387	5.603188E-02		0.9991984	0.995	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	0.0904365	10.47843	6.422461	6.891234E-02		0.9988797	0.995	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	1.996972E-02	22.55098	4.640568	0.1022338		0.9996773	0.995	
9CL-PF3ONS	5.246612	15.82869	8.281477	0.0106813		0.9993355	0.995	
ADONA	7.150153	12.88786	6.707483	6.323268E-02		0.9995853	0.995	
d3-N-MeFOSAA	0.5576148	6.938114	7.972625	1.109751E-02			20	
d5-N-EtFOSAA	0.4363072	6.475441	8.150069	5.642766E-02			20	
d7-N-MeFOSE	0.3423219	4.17867	10.4045	4.847441E-02			20	
d9-N-EtFOSE	0.2697956	3.747264	10.70103	2.624614E-03			20	
d-N-EtFOSA	0.1033941	5.893489	10.83668	4.129917E-02			20	
d-N-MeFOSA	0.1218515	6.196111	10.55139	1.488611E-02			20	
HFPO-DA (Gen-X)	0.2806674	10.53105	6.163823	7.528718E-02		0.9994987	0.995	
M2-4:2 FTS	0.4537819	21.03759	5.669971	6.208428E-02			20	*
M2-6:2 FTS	0.5468271	20.33616	6.792652	4.730522E-02	RSD rounds to 20, ok		20	*
M2-8:2 FTS	0.508974	11.38262	7.614275	1.280717E-02			20	
M2PFTeDA	1.037481	4.811544	9.267546	3.356389E-02			20	
M3HFPO-DA	7.304992E-02	8.105594	6.163456	7.886655E-02			20	
M3PFBS	0.9933439	6.435288	5.879787	5.662868E-02			20	
M3PFHxS	0.9770511	5.662387	7.100925	5.917509E-02			20	
M4PFHpA	0.3312007	4.693388	6.507434	8.459792E-02			20	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50063
Instrument: QQQ4
Calibration Date: 08/27/25 08:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
M5PFHxA	0.9735797	4.277693	5.899858	8.257495E-02			20	
M6PFDA	0.7107194	4.6986	7.815094	6.244623E-02			20	
M7PFUdA	0.9370011	5.954874	8.195725	1.721953E-02			20	
M9PFNA	0.5519844	3.805821	7.416027	6.093201E-02			20	
N-EtFOSA	1.460381	14.1477	10.84333	1.389271E-02			20	
N-EtFOSAA	1.396636	9.238694	8.156729	4.000031E-02		0.9997942	0.995	
N-EtFOSE	1.654968	6.708261	10.72375	4.485079E-02		0.9997565	0.995	
N-MeFOSA	1.33852	8.828878	10.55437	2.776889E-02			20	
N-MeFOSAA	1.249774	9.028636	7.976966	5.952086E-02		0.9991766	0.995	
N-MeFOSE	1.186093	7.572748	10.42608	3.782531E-02		0.9999111	0.995	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.576728	11.83534	6.237315	1.270117E-02		0.9999788	0.995	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.33976	5.236308	9.312296	2.511272E-03			20	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	0.635758	5.993076	7.958965	5.517192E-03			20	
Perfluoro-1-decanesulfonic acid (PFDS)	0.9244529	12.54543	8.719525	3.527905E-02		0.9996419	0.995	
Perfluoro-1-heptanesulfonic acid (PFHpS)	1.550939	6.383194	7.548221	6.286442E-02		0.9997538	0.995	
Perfluoro-1-nonanesulfonic acid (PFNS)	1.427985	20.55539	8.345508	6.455705E-03		0.9995607	0.995	
Perfluoro-1-octanesulfonamide (FOSA)	1.367868	8.024145	9.30925	5.253103E-02		0.9995239	0.995	
Perfluoro-1-pentanesulfonate (PFPeS)	1.655986	10.86942	6.577141	4.941257E-02		0.9993641	0.995	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1.240804E-02	17.22092	5.824023	5.344589E-02		0.9997355	0.995	
Perfluoro-4-oxapentanoic acid (PFMPA)	1.002274	11.44206	4.189088	0.100069		0.9999683	0.995	
Perfluoro-5-oxahexanoic acid (PFMBA)	1.277315	9.80913	5.339673	5.934685E-02		0.9999718	0.995	
Perfluorobutanesulfonic acid (PFBS)	1.518567	9.921126	5.879606	1.790531E-02		0.9992219	0.995	
Perfluorodecanoic acid (PFDA)	1.423496	6.664149	7.815687	6.416579E-02		0.9999481	0.995	
Perfluorododecanesulfonic acid (PFDoS)	0.5292138	7.399278	9.395433	5.097128E-02		0.9996181	0.995	




FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50063
Instrument: QQQ4
Calibration Date: 08/27/25 08:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Perfluorododecanoic acid (PFDoA)	0.8178012	9.154921	8.569758	3.925105E-02		0.9995804	0.995	
Perfluoroheptanoic acid (PFHpA)	3.878994	9.384303	6.509048	8.271878E-02		0.9999602	0.995	
Perfluorohexanesulfonic acid (PFHxS)	1.617211	7.280018	7.101538	6.051283E-02		0.9991018	0.995	
Perfluorohexanoic acid (PFHxA)	1.358133	8.111915	5.899498	8.045585E-02		0.9993404	0.99	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.9995082	4.383516	8.570442	6.505216E-03			20	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	1.353434	4.04051	3.330342	0.2849037			20	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	0.4655847	3.478931	5.02504	9.729219E-02			20	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	0.6246704	4.5281	6.992727	0.0609454			20	
Perfluoro-n-butanoic acid (PFBA)	1.36762	8.828307	3.332631	0.3293149		0.9992534	0.995	
Perfluorononanoic acid (PFNA)	1.358522	8.470551	7.417844	6.810822E-02		0.9994389	0.995	
Perfluorooctanesulfonic acid (PFOS)	1.615035	11.80869	7.957556	5.412411E-02		0.9995585	0.995	
Perfluorooctanoic acid (PFOA)	1.083883	7.330633	6.993362	5.957304E-02		0.9992967	0.995	
Perfluoropentanoic acid (PFPeA)	1.197997	7.786849	5.026571	9.731613E-02		0.9994095	0.995	
Perfluorotetradecanoic acid (PFTA)	1.322836	6.900863	9.268315	3.314172E-02		0.9999459	0.995	
Perfluorotridecanoic acid (PFTrDA)	0.8346889	7.960855	8.929132	4.885386E-02		0.9996231	0.995	
Perfluoroundecanoic acid (PFUnA)	1.275731	10.77654	8.196712	1.530265E-02		0.9996611	0.995	

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50063
Laboratory ID: S5H2836-SCV1
Sequence: S5H2836
Standard ID: S25H332

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DIFF	QC LIMIT
Perfluorobutanesulfonic acid (PFBS)	10.0	9.55	-4.5	30.00
Perfluorohexanoic acid (PFHxA)	10.0	9.58	-4.2	30.00
Perfluoroheptanoic acid (PFHpA)	10.0	8.43	-15.7	30.00
Perfluorohexanesulfonic acid (PFHxS)	10.0	11.0	9.7	30.00
Perfluorooctanoic acid (PFOA)	10.0	8.79	-12.1	30.00
Perfluorooctanesulfonic acid (PFOS)	10.0	9.15	-8.5	30.00
Perfluorononanoic acid (PFNA)	10.0	9.72	-2.8	30.00
Perfluorodecanoic acid (PFDA)	10.0	9.56	-4.4	30.00
Perfluoroundecanoic acid (PFUnA)	10.0	8.42	-15.8	30.00
Perfluorododecanoic acid (PFDoA)	10.0	7.88	-21.2	30.00
Perfluorotridecanoic acid (PFTrDA)	10.0	8.68	-13.2	30.00
Perfluorotetradecanoic acid (PFTA)	10.0	9.67	-3.3	30.00
N-MeFOSAA	10.0	8.95	-10.5	30.00
N-EtFOSAA	10.0	9.58	-4.2	30.00
Perfluoropentanoic acid (PFPeA)	10.0	9.44	-5.6	30.00
Perfluoro-1-octanesulfonamide (FOSA)	10.0	8.92	-10.8	30.00
Perfluoro-1-heptanesulfonic acid (PFHpS)	10.0	9.10	-9.0	30.00
Perfluoro-1-decanesulfonic acid (PFDS)	10.0	9.76	-2.4	30.00
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	10.0	9.49	-5.1	30.00
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	10.0	9.24	-7.6	30.00
Perfluoro-n-butanoic acid (PFBA)	10.0	9.11	-8.9	30.00
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	10.0	8.88	-11.2	30.00
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	10.0	10.1	1.5	30.00
Perfluoro-4-oxapentanoic acid (PFMPA)	10.0	9.65	-3.5	30.00
Perfluoro-5-oxahexanoic acid (PFMBA)	10.0	9.36	-6.4	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50063
Laboratory ID: S5H2836-SCV1
Sequence: S5H2836
Standard ID: S25H332

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DIFF	QC LIMIT
Perfluoro-1-pentanesulfonate (PFPeS)	10.0	10.1	0.9	30.00
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	10.0	9.35	-6.5	30.00
HFPO-DA (Gen-X)	10.0	9.28	-7.2	30.00
11CL-PF3OUdS	10.0	9.17	-8.3	30.00
9CL-PF3ONS	10.0	9.75	-2.5	30.00
ADONA	10.0	9.11	-8.9	30.00
Perfluorododecanesulfonic acid (PFDoS)	10.0	9.51	-4.9	30.00
Perfluoro-1-nonanesulfonic acid (PFNS)	10.0	10.5	5.5	30.00
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	10.0	10.7	6.5	30.00
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	10.0	10.2	1.8	30.00
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	10.0	10.3	2.7	30.00
N-MeFOSE	10.0	10.0	0.01	30.00
N-MeFOSA	10.0	9.68	-3.2	30.00
N-EtFOSE	10.0	9.86	-1.4	30.00
N-EtFOSA	10.0	10.4	3.9	30.00
M3PFBS	2.33	2.74	17.5	
M5PFHxA	2.50	2.60	4.0	
M4PFHpA	2.50	2.58	3.1	
M3PFHxS	2.37	2.50	5.7	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.50	2.52	1.0	
M6PFDA	1.25	1.33	6.3	
M7PFUdA	1.25	1.30	4.3	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.25	1.32	5.3	
M2PFTeDA	1.25	1.31	4.7	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.0	10.3	2.8	

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 1633A

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50063
Laboratory ID: S5H2836-SCV1
Sequence: S5H2836
Standard ID: S25H332

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DIFF	QC LIMIT
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.40	2.59	7.8	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.00	5.26	5.1	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.50	2.61	4.4	
d3-N-MeFOSAA	5.00	5.33	6.6	
d5-N-EtFOSAA	5.00	5.51	10.2	
M2-6:2 FTS	4.76	4.95	3.9	
M2-8:2 FTS	4.80	5.46	13.7	
M9PFNA	1.25	1.34	7.5	
M2-4:2 FTS	4.69	5.24	11.8	
d-N-MeFOSA	2.50	2.47	-1.3	
d-N-EtFOSA	2.50	2.41	-3.7	
M3HFPO-DA	10.0	11.1	10.6	
d9-N-EtFOSE	25.0	26.9	7.5	
d7-N-MeFOSE	25.0	26.1	4.5	

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	QQQ4	Calibration:	SH50063
Lab File ID:	QQQ421445.d	Calibration Date:	08/27/25 08:00
Sequence:	S5I0533	Injection Date:	09/05/25
Lab Sample ID:	S5I0533-CCV1	Injection Time:	10:36

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
11CL-PF3OUdS	A	9.45	8.37	3.096705	2.706763		-11.4	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	A	9.60	9.43	2.055137	2.156809		4.9	30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	A	9.38	9.16	3.430776	3.38921		-1.2	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	A	9.50	10.0	2.887069	3.135528		8.6	30	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	A	62.6	55.7	0.1447572	0.1278046		-11.0	30	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	A	62.6	54.6	0.0904365	7.926846E-02		-12.8	30	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	A	12.5	12.7	1.996972E-02	1.953563E-02		1.6	30	
9CL-PF3ONS	A	9.35	9.07	5.246612	4.697457		-3.0	30	
ADONA	A	9.45	7.36	7.150153	5.52461		-22.1	30	
HFPO-DA (Gen-X)	A	10.0	4.91	0.2806674	0.1376776		-50.9	30 *	
N-EtFOSA	A	2.50	2.28	1.460381	1.267487		-13.2	30	
N-EtFOSAA	A	2.50	2.40	1.396636	1.343378		-3.9	30	
N-EtFOSE	A	25.0	23.6	1.654968	1.605365		-5.8	30	
N-MeFOSA	A	2.50	2.08	1.33852	1.125842		-15.9	30	
N-MeFOSAA	A	2.50	2.57	1.249774	1.243769		2.8	30	
N-MeFOSE	A	25.0	24.3	1.186093	1.170111		-2.8	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	A	4.45	5.13	1.576728	1.789917		15.3	30	
Perfluoro-1-decanesulfonic acid (PFDS)	A	2.41	2.52	0.9244529	0.9256971		4.7	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	A	2.38	2.35	1.550939	1.548629		-1.3	30	
Perfluoro-1-nonanesulfonic acid (PFNS)	A	2.40	2.58	1.427985	1.319845		7.7	30	
Perfluoro-1-octanesulfonamide (FOSA)	A	2.50	2.56	1.367868	1.382922		2.4	30	
Perfluoro-1-pentanesulfonate (PFPeS)	A	2.35	2.47	1.655986	1.746305		5.3	30	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	A	5.00	6.02	1.240804E-02	1.492018E-02		20.4	30	

not associated with any L4 samples - no qual

FORM VII

CONTINUING CALIBRATION CHECK

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	QQQ4	Calibration:	SH50063
Lab File ID:	QQQ421445.d	Calibration Date:	08/27/25 08:00
Sequence:	S5I0533	Injection Date:	09/05/25
Lab Sample ID:	S5I0533-CCV1	Injection Time:	10:36

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Perfluoro-4-oxapentanoic acid (PFMPA)	A	5.00	5.13	1.002274	1.023395		2.6	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	A	5.00	4.96	1.277315	1.262026		-0.9	30	
Perfluorobutanesulfonic acid (PFBS)	A	2.22	2.17	1.518567	1.497261		-2.5	30	
Perfluorodecanoic acid (PFDA)	A	2.50	2.62	1.423496	1.48429		4.9	30	
Perfluorododecanesulfonic acid (PFDoS)	A	2.42	2.48	0.5292138	0.5304574		2.5	30	
Perfluorododecanoic acid (PFDoA)	A	2.50	2.86	0.8178012	0.9842388		14.3	30	
Perfluoroheptanoic acid (PFHpA)	A	2.50	2.75	3.878994	4.345971		10.2	30	
Perfluorohexanesulfonic acid (PFHxS)	A	2.28	2.41	1.617211	1.690343		5.9	30	
Perfluorohexanoic acid (PFHxA)	A	2.50	2.75	1.358133	1.471472		10.1	30	
Perfluoro-n-butanoic acid (PFBA)	A	10.0	9.99	1.36762	1.377009		-0.1	30	
Perfluorononanoic acid (PFNA)	A	2.50	2.33	1.358522	1.291483		-6.6	30	
Perfluorooctanesulfonic acid (PFOS)	A	2.32	2.44	1.615035	1.621575		5.1	30	
Perfluorooctanoic acid (PFOA)	A	2.50	2.81	1.083883	1.224319		12.5	30	
Perfluoropentanoic acid (PFPeA)	A	5.00	5.09	1.197997	1.220094		1.7	30	
Perfluorotetradecanoic acid (PFTA)	A	2.50	2.42	1.322836	1.328348		-3.3	30	
Perfluorotridecanoic acid (PFTrDA)	A	2.50	2.86	0.8346889	0.9978922		14.2	30	
Perfluoroundecanoic acid (PFUnA)	A	2.50	2.43	1.275731	1.30764		-2.8	30	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	QQQ4	Calibration:	SH50063
Lab File ID:	QQQ421475.d	Calibration Date:	08/27/25 08:00
Sequence:	S5I0533	Injection Date:	09/05/25
Lab Sample ID:	S5I0533-CCV2	Injection Time:	16:49

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
11CL-PF3OUdS	A	9.45	8.46	3.096705	2.736146		-10.5	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	A	9.60	9.06	2.055137	2.073944		0.9	30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	A	9.38	10.0	3.430776	3.70569		8.0	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	A	9.50	9.64	2.887069	3.008026		4.2	30	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	A	62.6	55.2	0.1447572	0.1266142		-11.8	30	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	A	62.6	56.3	0.0904365	8.174581E-02		-10.1	30	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	A	12.5	11.6	1.996972E-02	1.783787E-02		-6.8	30	
9CL-PF3ONS	A	9.35	9.01	5.246612	4.663995		-3.6	30	
ADONA	A	9.45	7.60	7.150153	5.713746		-19.6	30	
HFPO-DA (Gen-X)	A	10.0	4.79	0.2806674	0.1341339		-52.1	30 *	
N-EtFOSA	A	2.50	2.35	1.460381	1.301873		-10.9	30	
N-EtFOSAA	A	2.50	2.38	1.396636	1.328216		-5.0	30	
N-EtFOSE	A	25.0	23.0	1.654968	1.568312		-7.9	30	
N-MeFOSA	A	2.50	2.12	1.33852	1.15008		-14.1	30	
N-MeFOSAA	A	2.50	2.36	1.249774	1.142931		-5.5	30	
N-MeFOSE	A	25.0	25.0	1.186093	1.202915		-0.1	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	A	4.45	4.90	1.576728	1.707255		10.1	30	
Perfluoro-1-decanesulfonic acid (PFDS)	A	2.41	2.37	0.9244529	0.8688937		-1.8	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	A	2.38	2.48	1.550939	1.636366		4.2	30	
Perfluoro-1-nonanesulfonic acid (PFNS)	A	2.40	2.63	1.427985	1.341534		9.5	30	
Perfluoro-1-octanesulfonamide (FOSA)	A	2.50	2.66	1.367868	1.439345		6.5	30	
Perfluoro-1-pentanesulfonate (PFPeS)	A	2.35	2.57	1.655986	1.812451		9.2	30	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	A	5.00	5.85	1.240804E-02	1.450046E-02		17.1	30	

not associated with any L4 smples - no qual

1850

FORM VII

CONTINUING CALIBRATION CHECK

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	QQQ4	Calibration:	SH50063
Lab File ID:	QQQ421475.d	Calibration Date:	08/27/25 08:00
Sequence:	S5I0533	Injection Date:	09/05/25
Lab Sample ID:	S5I0533-CCV2	Injection Time:	16:49

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Perfluoro-4-oxapentanoic acid (PFMPA)	A	5.00	4.77	1.002274	0.9498432		-4.6	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	A	5.00	4.88	1.277315	1.242134		-2.4	30	
Perfluorobutanesulfonic acid (PFBS)	A	2.22	2.25	1.518567	1.555541		1.3	30	
Perfluorodecanoic acid (PFDA)	A	2.50	2.52	1.423496	1.423511		0.7	30	
Perfluorododecanesulfonic acid (PFDoS)	A	2.42	2.33	0.5292138	0.4986972		-3.6	30	
Perfluorododecanoic acid (PFDoA)	A	2.50	2.88	0.8178012	0.9907999		15.0	30	
Perfluoroheptanoic acid (PFHpA)	A	2.50	2.83	3.878994	4.461279		13.1	30	
Perfluorohexanesulfonic acid (PFHxS)	A	2.28	2.59	1.617211	1.81136		13.4	30	
Perfluorohexanoic acid (PFHxA)	A	2.50	2.80	1.358133	1.495953		12.0	30	
Perfluoro-n-butanoic acid (PFBA)	A	10.0	10.1	1.36762	1.394809		1.1	30	
Perfluorononanoic acid (PFNA)	A	2.50	2.38	1.358522	1.319905		-4.6	30	
Perfluorooctanesulfonic acid (PFOS)	A	2.32	2.42	1.615035	1.607634		4.2	30	
Perfluorooctanoic acid (PFOA)	A	2.50	2.87	1.083883	1.250971		14.9	30	
Perfluoropentanoic acid (PFPeA)	A	5.00	5.08	1.197997	1.219309		1.6	30	
Perfluorotetradecanoic acid (PFTA)	A	2.50	2.48	1.322836	1.36634		-0.6	30	
Perfluorotridecanoic acid (PFTrDA)	A	2.50	3.30	0.8346889	1.154359		31.9	30 *	
Perfluoroundecanoic acid (PFUnA)	A	2.50	2.41	1.275731	1.296563		-3.6	30	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

not associated with any L4 samples - no qual ✓

FORM VII

CONTINUING CALIBRATION CHECK

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	QQQ4	Calibration:	SH50063
Lab File ID:	QQQ421484.d	Calibration Date:	08/27/25 08:00
Sequence:	S5I0533	Injection Date:	09/05/25
Lab Sample ID:	S5I0533-CCV3	Injection Time:	19:07

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
11CL-PF3OUdS	A	9.45	8.11	3.096705	2.618689		-14.1	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	A	9.60	9.60	2.055137	2.197441		6.9	30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	A	9.38	8.98	3.430776	3.324318		-3.1	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	A	9.50	10.6	2.887069	3.304627		14.5	30	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	A	62.6	54.1	0.1447572	0.124133		-13.5	30	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	A	62.6	56.2	0.0904365	8.166761E-02		-10.2	30	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	A	12.5	11.7	1.996972E-02	0.0179593		-6.2	30	
9CL-PF3ONS	A	9.35	8.24	5.246612	4.255137		-11.8	30	
ADONA	A	9.45	6.80	7.150153	5.090686		-28.1	30	
HFPO-DA (Gen-X)	A	10.0	4.46	0.2806674	0.124586		-55.4	30 *	
N-EtFOSA	A	2.50	2.34	1.460381	1.301618		-10.9	30	
N-EtFOSAA	A	2.50	2.33	1.396636	1.303914		-6.7	30	
N-EtFOSE	A	25.0	23.1	1.654968	1.573514		-7.6	30	
N-MeFOSA	A	2.50	2.29	1.33852	1.242234		-7.2	30	
N-MeFOSAA	A	2.50	2.51	1.249774	1.216215		0.6	30	
N-MeFOSE	A	25.0	24.0	1.186093	1.15632		-3.9	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	A	4.45	4.81	1.576728	1.676503		8.1	30	
Perfluoro-1-decanesulfonic acid (PFDS)	A	2.41	2.51	0.9244529	0.9193632		4.0	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	A	2.38	2.51	1.550939	1.656373		5.5	30	
Perfluoro-1-nonanesulfonic acid (PFNS)	A	2.40	2.72	1.427985	1.384239		13.2	30	
Perfluoro-1-octanesulfonamide (FOSA)	A	2.50	2.62	1.367868	1.418631		5.0	30	
Perfluoro-1-pentanesulfonate (PFPeS)	A	2.35	2.43	1.655986	1.713647		3.3	30	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	A	5.00	4.96	1.240804E-02	1.220844E-02		-0.8	30	

not associated with any L4 samples - no qual

FORM VII

CONTINUING CALIBRATION CHECK

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	QQQ4	Calibration:	SH50063
Lab File ID:	QQQ421484.d	Calibration Date:	08/27/25 08:00
Sequence:	S5I0533	Injection Date:	09/05/25
Lab Sample ID:	S5I0533-CCV3	Injection Time:	19:07

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Perfluoro-4-oxapentanoic acid (PFMPA)	A	5.00	4.90	1.002274	0.9771698		-1.9	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	A	5.00	5.07	1.277315	1.291444		1.4	30	
Perfluorobutanesulfonic acid (PFBS)	A	2.22	2.39	1.518567	1.656322		7.7	30	
Perfluorodecanoic acid (PFDA)	A	2.50	2.60	1.423496	1.471134		4.0	30	
Perfluorododecanesulfonic acid (PFDoS)	A	2.42	2.40	0.5292138	0.5127434		-0.9	30	
Perfluorododecanoic acid (PFDoA)	A	2.50	3.01	0.8178012	1.037894		20.4	30	
Perfluoroheptanoic acid (PFHpA)	A	2.50	3.07	3.878994	4.851667		22.8	30	
Perfluorohexanesulfonic acid (PFHxS)	A	2.28	2.29	1.617211	1.602929		0.4	30	
Perfluorohexanoic acid (PFHxA)	A	2.50	2.70	1.358133	1.441976		8.0	30	
Perfluoro-n-butanoic acid (PFBA)	A	10.0	10.1	1.36762	1.391615		0.9	30	
Perfluorononanoic acid (PFNA)	A	2.50	2.32	1.358522	1.281368		-7.4	30	
Perfluorooctanesulfonic acid (PFOS)	A	2.32	2.48	1.615035	1.649266		7.0	30	
Perfluorooctanoic acid (PFOA)	A	2.50	2.96	1.083883	1.289711		18.4	30	
Perfluoropentanoic acid (PFPeA)	A	5.00	5.13	1.197997	1.231801		2.7	30	
Perfluorotetradecanoic acid (PFTA)	A	2.50	2.36	1.322836	1.298032		-5.5	30	
Perfluorotridecanoic acid (PFTrDA)	A	2.50	2.88	0.8346889	1.007941		15.4	30	
Perfluoroundecanoic acid (PFUnA)	A	2.50	2.48	1.275731	1.33659		-0.7	30	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk



* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	QQQ4	Calibration:	SH50063
Lab File ID:	QQQ421495.d	Calibration Date:	08/27/25 08:00
Sequence:	S5I0533	Injection Date:	09/05/25
Lab Sample ID:	S5I0533-CCV4	Injection Time:	21:55

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
11CL-PF3OUdS	A	9.45	7.63	3.096705	2.455777		-19.2	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	A	9.60	9.81	2.055137	2.245623		9.3	30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	A	9.38	9.15	3.430776	3.386982		-1.3	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	A	9.50	11.0	2.887069	3.421478		18.5	30	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	A	62.6	55.6	0.1447572	0.1274915		-11.2	30	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	A	62.6	56.0	0.0904365	8.143422E-02		-10.5	30	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	A	12.5	11.2	1.996972E-02	1.713286E-02		-10.3	30	
9CL-PF3ONS	A	9.35	7.98	5.246612	4.114701		-14.7	30	
ADONA	A	9.45	6.58	7.150153	4.91797		-30.4	30 *	
HFPO-DA (Gen-X)	A	10.0	4.23	0.2806674	0.1176142		-57.7	30 *	
N-EtFOSA	A	2.50	2.31	1.460381	1.282553		-12.2	30	
N-EtFOSAA	A	2.50	2.27	1.396636	1.265778		-9.4	30	
N-EtFOSE	A	25.0	23.1	1.654968	1.572327		-7.7	30	
N-MeFOSA	A	2.50	2.55	1.33852	1.384513		3.4	30	
N-MeFOSAA	A	2.50	2.39	1.249774	1.154564		-4.5	30	
N-MeFOSE	A	25.0	24.5	1.186093	1.180091		-2.0	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	A	4.45	5.07	1.576728	1.767409		13.9	30	
Perfluoro-1-decanesulfonic acid (PFDS)	A	2.41	2.51	0.9244529	0.9201965		4.1	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	A	2.38	2.39	1.550939	1.576283		0.4	30	
Perfluoro-1-nonanesulfonic acid (PFNS)	A	2.40	2.61	1.427985	1.333016		8.8	30	
Perfluoro-1-octanesulfonamide (FOSA)	A	2.50	2.68	1.367868	1.450544		7.3	30	
Perfluoro-1-pentanesulfonate (PFPeS)	A	2.35	2.38	1.655986	1.680056		1.3	30	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	A	5.00	5.62	1.240804E-02	1.390761E-02		12.5	30	

not associated with any L4 samples - no qual ✓

FORM VII

CONTINUING CALIBRATION CHECK

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	QQQ4	Calibration:	SH50063
Lab File ID:	QQQ421495.d	Calibration Date:	08/27/25 08:00
Sequence:	S5I0533	Injection Date:	09/05/25
Lab Sample ID:	S5I0533-CCV4	Injection Time:	21:55

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Perfluoro-4-oxapentanoic acid (PFMPA)	A	5.00	4.91	1.002274	0.9789792		-1.7	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	A	5.00	5.11	1.277315	1.30269		2.2	30	
Perfluorobutanesulfonic acid (PFBS)	A	2.22	2.17	1.518567	1.501844		-2.2	30	
Perfluorodecanoic acid (PFDA)	A	2.50	2.55	1.423496	1.443421		2.1	30	
Perfluorododecanesulfonic acid (PFDoS)	A	2.42	2.48	0.5292138	0.530164		2.5	30	
Perfluorododecanoic acid (PFDoA)	A	2.50	2.89	0.8178012	0.996823		15.7	30	
Perfluoroheptanoic acid (PFHpA)	A	2.50	2.86	3.878994	4.520433		14.5	30	
Perfluorohexanesulfonic acid (PFHxS)	A	2.28	2.33	1.617211	1.634101		2.4	30	
Perfluorohexanoic acid (PFHxA)	A	2.50	2.83	1.358133	1.514022		13.3	30	
Perfluoro-n-butanoic acid (PFBA)	A	10.0	10.2	1.36762	1.40614		1.9	30	
Perfluorononanoic acid (PFNA)	A	2.50	2.60	1.358522	1.439128		3.8	30	
Perfluorooctanesulfonic acid (PFOS)	A	2.32	2.44	1.615035	1.622026		5.2	30	
Perfluorooctanoic acid (PFOA)	A	2.50	2.94	1.083883	1.282006		17.7	30	
Perfluoropentanoic acid (PFPeA)	A	5.00	5.06	1.197997	1.214688		1.3	30	
Perfluorotetradecanoic acid (PFTA)	A	2.50	2.41	1.322836	1.326535		-3.5	30	
Perfluorotridecanoic acid (PFTrDA)	A	2.50	2.92	0.8346889	1.018885		16.6	30	
Perfluoroundecanoic acid (PFUnA)	A	2.50	2.32	1.275731	1.248879		-7.0	30	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk



* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	QQQ4	Calibration:	SH50063
Lab File ID:	QQQ421558.d	Calibration Date:	08/27/25 08:00
Sequence:	S5I0837	Injection Date:	09/07/25
Lab Sample ID:	S5I0837-CCV2	Injection Time:	21:06

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
11CL-PF3OUdS	A	9.45	7.76	3.096705	2.500623		-17.8	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	A	9.60	8.98	2.055137	2.055265		0.006	30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	A	9.38	10.2	3.430776	3.769363		9.9	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	A	9.50	11.5	2.887069	3.573805		23.8	30	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	A	62.6	45.4	0.1447572	0.1036439		-27.4	30	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	A	62.6	47.4	0.0904365	6.856302E-02		-24.3	30	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	A	12.5	10.7	1.996972E-02	1.637566E-02		-14.1	30	
9CL-PF3ONS	A	9.35	8.31	5.246612	4.290466		-11.1	30	
ADONA	A	9.45	7.65	7.150153	5.75296		-19.0	30	
HFPO-DA (Gen-X)	A	10.0	4.83	0.2806674	0.1354213	↓	-51.7	30 *	
N-EtFOSA	A	2.50	2.31	1.460381	1.28295		-12.1	30	
N-EtFOSAA	A	2.50	2.45	1.396636	1.369198		-2.1	30	
N-EtFOSE	A	25.0	21.8	1.654968	1.481938		-12.8	30	
N-MeFOSA	A	2.50	2.22	1.33852	1.204522		-10.0	30	
N-MeFOSAA	A	2.50	2.51	1.249774	1.213598		0.3	30	
N-MeFOSE	A	25.0	24.5	1.186093	1.182101		-1.8	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	A	4.45	4.70	1.576728	1.638		5.7	30	
Perfluoro-1-decanesulfonic acid (PFDS)	A	2.41	2.54	0.9244529	0.9332858		5.6	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	A	2.38	2.50	1.550939	1.647443		4.9	30	
Perfluoro-1-nonanesulfonic acid (PFNS)	A	2.40	2.71	1.427985	1.379409		12.8	30	
Perfluoro-1-octanesulfonamide (FOSA)	A	2.50	2.77	1.367868	1.49698		10.7	30	
Perfluoro-1-pentanesulfonate (PFPeS)	A	2.35	2.73	1.655986	1.931221		16.4	30	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	A	5.00	6.66	1.240804E-02	1.658072E-02	↑	33.3	30 *	

CCV %drift high, sens increase, samples ND - no qual

CCV very high %D, sens decr - qual UR,CV-

FORM VII

CONTINUING CALIBRATION CHECK

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	QQQ4	Calibration:	SH50063
Lab File ID:	QQQ421558.d	Calibration Date:	08/27/25 08:00
Sequence:	S5I0837	Injection Date:	09/07/25
Lab Sample ID:	S5I0837-CCV2	Injection Time:	21:06

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Perfluoro-4-oxapentanoic acid (PFMPA)	A	5.00	4.64	1.002274	0.9225311		-7.3	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	A	5.00	4.99	1.277315	1.269992		-0.3	30	
Perfluorobutanesulfonic acid (PFBS)	A	2.22	2.21	1.518567	1.528487		-0.5	30	
Perfluorodecanoic acid (PFDA)	A	2.50	2.62	1.423496	1.484751		4.9	30	
Perfluorododecanesulfonic acid (PFDoS)	A	2.42	2.35	0.5292138	0.5023661		-2.9	30	
Perfluorododecanoic acid (PFDoA)	A	2.50	2.73	0.8178012	0.9406101		9.3	30	
Perfluoroheptanoic acid (PFHpA)	A	2.50	2.40	3.878994	3.78346		-3.8	30	
Perfluorohexanesulfonic acid (PFHxS)	A	2.28	2.57	1.617211	1.802671		12.9	30	
Perfluorohexanoic acid (PFHxA)	A	2.50	2.66	1.358133	1.421809		6.5	30	
Perfluoro-n-butanoic acid (PFBA)	A	10.0	10.2	1.36762	1.40296		1.7	30	
Perfluorononanoic acid (PFNA)	A	2.50	2.45	1.358522	1.357845		-1.9	30	
Perfluorooctanesulfonic acid (PFOS)	A	2.32	2.45	1.615035	1.625534		5.4	30	
Perfluorooctanoic acid (PFOA)	A	2.50	2.78	1.083883	1.209905		11.2	30	
Perfluoropentanoic acid (PFPeA)	A	5.00	5.12	1.197997	1.22782		2.3	30	
Perfluorotetradecanoic acid (PFTA)	A	2.50	2.45	1.322836	1.344517		-2.2	30	
Perfluorotridecanoic acid (PFTrDA)	A	2.50	2.88	0.8346889	1.004951		15.0	30	
Perfluoroundecanoic acid (PFUnA)	A	2.50	2.28	1.275731	1.221379		-9.0	30	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	QQQ4	Calibration:	SH50063
Lab File ID:	QQQ421570.d	Calibration Date:	08/27/25 08:00
Sequence:	S5I0837	Injection Date:	09/08/25
Lab Sample ID:	S5I0837-CCV3	Injection Time:	00:10

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
11CL-PF3OUdS	A	9.45	7.44	3.096705	2.391843		-21.3	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	A	9.60	9.20	2.055137	2.104479		2.4	30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	A	9.38	10.3	3.430776	3.796864		10.7	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	A	9.50	10.6	2.887069	3.299969		14.3	30	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	A	62.6	45.8	0.1447572	0.1046264		-26.8	30	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	A	62.6	49.1	0.0904365	7.105437E-02		-21.6	30	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	A	12.5	10.2	1.996972E-02	1.558406E-02		-18.1	30	
9CL-PF3ONS	A	9.35	8.09	5.246612	4.174146		-13.5	30	
ADONA	A	9.45	7.50	7.150153	5.637849		-20.6	30	
HFPO-DA (Gen-X)	A	10.0	4.75	0.2806674	0.1331081		-52.5	30 *	
N-EtFOSA	A	2.50	2.30	1.460381	1.277932		-12.5	30	
N-EtFOSAA	A	2.50	2.28	1.396636	1.275208		-8.7	30	
N-EtFOSE	A	25.0	21.3	1.654968	1.44674		-14.9	30	
N-MeFOSA	A	2.50	2.14	1.33852	1.157241		-13.5	30	
N-MeFOSAA	A	2.50	2.37	1.249774	1.147956		-5.1	30	
N-MeFOSE	A	25.0	23.6	1.186093	1.136441		-5.5	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	A	4.45	4.83	1.576728	1.682269		8.5	30	
Perfluoro-1-decanesulfonic acid (PFDS)	A	2.41	2.76	0.9244529	1.011658		14.5	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	A	2.38	2.50	1.550939	1.649144		5.0	30	
Perfluoro-1-nonanesulfonic acid (PFNS)	A	2.40	2.74	1.427985	1.396234		14.3	30	
Perfluoro-1-octanesulfonamide (FOSA)	A	2.50	2.73	1.367868	1.473494		9.0	30	
Perfluoro-1-pentanesulfonate (PFPeS)	A	2.35	2.55	1.655986	1.802615		8.6	30	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	A	5.00	5.82	1.240804E-02	1.440173E-02		16.3	30	

CCV very high %D, sens decrease - qual UR,CV-

✓ **1860** ✓

FORM VII

CONTINUING CALIBRATION CHECK

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	QQQ4	Calibration:	SH50063
Lab File ID:	QQQ421570.d	Calibration Date:	08/27/25 08:00
Sequence:	S5I0837	Injection Date:	09/08/25
Lab Sample ID:	S5I0837-CCV3	Injection Time:	00:10

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Perfluoro-4-oxapentanoic acid (PFMPA)	A	5.00	4.59	1.002274	0.9126267		-8.2	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	A	5.00	4.96	1.277315	1.262672		-0.8	30	
Perfluorobutanesulfonic acid (PFBS)	A	2.22	2.21	1.518567	1.528988		-0.4	30	
Perfluorodecanoic acid (PFDA)	A	2.50	2.62	1.423496	1.484005		4.9	30	
Perfluorododecanesulfonic acid (PFDoS)	A	2.42	2.54	0.5292138	0.5426888		4.9	30	
Perfluorododecanoic acid (PFDoA)	A	2.50	2.60	0.8178012	0.8948808		4.1	30	
Perfluoroheptanoic acid (PFHpA)	A	2.50	2.34	3.878994	3.675537		-6.5	30	
Perfluorohexanesulfonic acid (PFHxS)	A	2.28	2.37	1.617211	1.662571		4.2	30	
Perfluorohexanoic acid (PFHxA)	A	2.50	2.80	1.358133	1.496333		12.0	30	
Perfluoro-n-butanoic acid (PFBA)	A	10.0	10.3	1.36762	1.418997		2.9	30	
Perfluorononanoic acid (PFNA)	A	2.50	2.34	1.358522	1.296168		-6.3	30	
Perfluorooctanesulfonic acid (PFOS)	A	2.32	2.58	1.615035	1.710959		11.0	30	
Perfluorooctanoic acid (PFOA)	A	2.50	2.72	1.083883	1.185128		8.9	30	
Perfluoropentanoic acid (PFPeA)	A	5.00	5.10	1.197997	1.223574		2.0	30	
Perfluorotetradecanoic acid (PFTA)	A	2.50	2.53	1.322836	1.389043		1.0	30	
Perfluorotridecanoic acid (PFTrDA)	A	2.50	2.88	0.8346889	1.005287		15.1	30	
Perfluoroundecanoic acid (PFUnA)	A	2.50	2.30	1.275731	1.232817		-8.2	30	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	QQQ4	Calibration:	SH50063
Lab File ID:	QQQ421584.d	Calibration Date:	08/27/25 08:00
Sequence:	S5I0837	Injection Date:	09/08/25
Lab Sample ID:	S5I0837-CCV4	Injection Time:	03:44

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
11CL-PF3OUdS	A	9.45	7.86	3.096705	2.531857		-16.9	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	A	9.60	9.36	2.055137	2.140751		4.2	30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	A	9.38	9.74	3.430776	3.605455		5.1	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	A	9.50	10.3	2.887069	3.215562		11.4	30	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	A	62.6	48.3	0.1447572	0.110308		-22.9	30	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	A	62.6	47.7	0.0904365	6.910036E-02		-23.7	30	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	A	12.5	10.9	1.996972E-02	1.666347E-02		-12.7	30	
9CL-PF3ONS	A	9.35	8.36	5.246612	4.319005		-10.6	30	
ADONA	A	9.45	7.67	7.150153	5.764024		-18.9	30	
HFPO-DA (Gen-X)	A	10.0	4.47	0.2806674	0.1249374		-55.3	30 *	
N-EtFOSA	A	2.50	2.24	1.460381	1.243442		-14.9	30	
N-EtFOSAA	A	2.50	2.32	1.396636	1.293845		-7.4	30	
N-EtFOSE	A	25.0	21.7	1.654968	1.473196		-13.3	30	
N-MeFOSA	A	2.50	2.33	1.33852	1.266306		-5.4	30	
N-MeFOSAA	A	2.50	2.36	1.249774	1.141231		-5.6	30	
N-MeFOSE	A	25.0	24.1	1.186093	1.159209		-3.7	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	A	4.45	4.91	1.576728	1.711629		10.3	30	
Perfluoro-1-decanesulfonic acid (PFDS)	A	2.41	2.62	0.9244529	0.9613314		8.8	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	A	2.38	2.69	1.550939	1.77364		12.9	30	
Perfluoro-1-nonanesulfonic acid (PFNS)	A	2.40	2.78	1.427985	1.415433		15.9	30	
Perfluoro-1-octanesulfonamide (FOSA)	A	2.50	2.67	1.367868	1.44478		6.9	30	
Perfluoro-1-pentanesulfonate (PFPeS)	A	2.35	2.67	1.655986	1.886056		13.7	30	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	A	5.00	5.49	1.240804E-02	1.357905E-02		9.9	30	

CCV very high %D, sens decrease - qual UR,CV-

FORM VII

CONTINUING CALIBRATION CHECK

EPA 1633A

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	QQQ4	Calibration:	SH50063
Lab File ID:	QQQ421584.d	Calibration Date:	08/27/25 08:00
Sequence:	S5I0837	Injection Date:	09/08/25
Lab Sample ID:	S5I0837-CCV4	Injection Time:	03:44

		CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Perfluoro-4-oxapentanoic acid (PFMPA)	A	5.00	4.74	1.002274	0.9429465		-5.3	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	A	5.00	4.96	1.277315	1.262784		-0.8	30	
Perfluorobutanesulfonic acid (PFBS)	A	2.22	2.25	1.518567	1.559637		1.5	30	
Perfluorodecanoic acid (PFDA)	A	2.50	2.39	1.423496	1.350521		-4.4	30	
Perfluorododecanesulfonic acid (PFDoS)	A	2.42	2.58	0.5292138	0.5515128		6.6	30	
Perfluorododecanoic acid (PFDoA)	A	2.50	2.59	0.8178012	0.8907468		3.6	30	
Perfluoroheptanoic acid (PFHpA)	A	2.50	2.51	3.878994	3.952644		0.4	30	
Perfluorohexanesulfonic acid (PFHxS)	A	2.28	2.59	1.617211	1.814376		13.6	30	
Perfluorohexanoic acid (PFHxA)	A	2.50	2.70	1.358133	1.442389		8.0	30	
Perfluoro-n-butanoic acid (PFBA)	A	10.0	10.3	1.36762	1.416625		2.7	30	
Perfluorononanoic acid (PFNA)	A	2.50	2.25	1.358522	1.242628		-10.1	30	
Perfluorooctanesulfonic acid (PFOS)	A	2.32	2.58	1.615035	1.716725		11.4	30	
Perfluorooctanoic acid (PFOA)	A	2.50	2.73	1.083883	1.187282		9.1	30	
Perfluoropentanoic acid (PFPeA)	A	5.00	5.17	1.197997	1.240407		3.4	30	
Perfluorotetradecanoic acid (PFTA)	A	2.50	2.43	1.322836	1.337144		-2.7	30	
Perfluorotridecanoic acid (PFTrDA)	A	2.50	2.88	0.8346889	1.007748		15.4	30	
Perfluoroundecanoic acid (PFUnA)	A	2.50	2.24	1.275731	1.202881		-10.3	30	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Surrogate Failures and Associated Analytes

Work Order No: 25H1535

Surrogate	Recovery	Limits	Flag	Target Analyte	Specific Method	Data File	Analyzed
25H1535-02 - HVAC SW South-S-1							
* M2-4:2 FTS	38.5 %	40-165	PFSu-L	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	EPA 1633A	QQQ421565.d	07/09/25 22:54
25H1535-03 - HVAC SW East-S-1							
* M2-4:2 FTS	39.2 %	40-165	PFSu-L	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	EPA 1633A	QQQ421566.d	07/09/25 23:09
25H1535-07 - HVAC SW East 1-3							
* M9PFNA	136 %	40-130	PFSu-H	Perfluorononanoic acid (PFNA)	EPA 1633A	QQQ421572.d	08/09/25 0:41
25H1535-09 - HVAC Bottom 3 ft							
* M9PFNA	145 %	40-130	PFSu-H	Perfluorononanoic acid (PFNA)	EPA 1633A	QQQ421574.d	08/09/25 1:11
25H1535-10 - HVAC DUP							
* M9PFNA	133 %	40-130	PFSu-H	Perfluorononanoic acid (PFNA)	EPA 1633A	QQQ421577.d	08/09/25 1:57
25H1535-12 - Field Blank no eval							
* M3PFBS	136 %	40-135	PFSu-H	Perfluorobutanesulfonic acid (PFBS)	EPA 1633A	QQQ421469.d	05/09/25 12:40
* Perfluoro-n-[13C8]octanoic acid (M8PFOA)	139 %	40-130	PFSu-H	Perfluorooctanoic acid (PFOA)	EPA 1633A	QQQ421469.d	05/09/25 12:40
* Perfluoro-n-[13C4]butanoic acid (MPFBA)	132 %	5-130	PFSu-H	Perfluoro-n-butanoic acid (PFBA)	EPA 1633A	QQQ421469.d	05/09/25 12:40
* M9PFNA	168 %	40-130	PFSu-H	Perfluorononanoic acid (PFNA)	EPA 1633A	QQQ421469.d	05/09/25 12:40
* M3HFPO-DA	136 %	40-130	PFSu-H	11CL-PF3OUdS	EPA 1633A	QQQ421469.d	05/09/25 12:40
* M3HFPO-DA	136 %	40-130	PFSu-H	9CL-PF3ONS	EPA 1633A	QQQ421469.d	05/09/25 12:40
* M3HFPO-DA	136 %	40-130	PFSu-H	HFPO-DA (Gen-X)	EPA 1633A	QQQ421469.d	05/09/25 12:40
* M3HFPO-DA	136 %	40-130	PFSu-H	ADONA	EPA 1633A	QQQ421469.d	05/09/25 12:40

PREPARATION BENCH SHEET : BH52275

Preparation Date: 08/31/2025 09:51

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1535-01 A	Q_P_PFAS, EPA 1633a Target List	5.04	5							5.0			
25H1535-01 A	Q_P_PFAS, EPA 1633a NFDHA	5.04	5							5.0			
25H1535-02 A	Q_P_PFAS, EPA 1633a NFDHA	5.03	5							5.0			
25H1535-02 A	Q_P_PFAS, EPA 1633a Target List	5.03	5							5.0			
25H1535-03 A	Q_P_PFAS, EPA 1633a NFDHA	5.02	5							5.0			
25H1535-03 A	Q_P_PFAS, EPA 1633a Target List	5.02	5							5.0			
25H1535-04 A	Q_P_PFAS, EPA 1633a NFDHA	5.03	5							5.0			
25H1535-04 A	Q_P_PFAS, EPA 1633a Target List	5.03	5							5.0			
25H1535-05 A	Q_P_PFAS, EPA 1633a NFDHA	5.03	5							5.0			
25H1535-05 A	Q_P_PFAS, EPA 1633a Target List	5.03	5							5.0			
25H1535-06 A	Q_P_PFAS, EPA 1633a NFDHA	4.99	5							5.0			
25H1535-06 A	Q_P_PFAS, EPA 1633a Target List	4.99	5							5.0			
25H1535-07 A	Q_P_PFAS, EPA 1633a NFDHA	5.01	5							5.0			
25H1535-07 A	Q_P_PFAS, EPA 1633a Target List	5.01	5							5.0			
25H1535-08 A	Q_P_PFAS, EPA 1633a NFDHA	5.02	5							5.0			
25H1535-08 A	Q_P_PFAS, EPA 1633a Target List	5.02	5							5.0			
25H1535-09 A	Q_P_PFAS, EPA 1633a NFDHA	4.99	5							5.0			
25H1535-09 A	Q_P_PFAS, EPA 1633a Target List	4.99	5							5.0			
25H1535-10 A	Q_P_PFAS, EPA 1633a NFDHA	4.98	5							5.0			
25H1535-10 A	Q_P_PFAS, EPA 1633a Target List	4.98	5							5.0			
BH52275-BLK1	Q_P_PFAS, EPA 1633a NFDHA	5	5							5.0			
BH52275-BLK1	Q_P_PFAS, EPA 1633a Target List	5	5							5.0			
BH52275-BLK2	Q_P_PFAS, EPA 1633a NFDHA	5	5										
BH52275-BLK2	Q_P_PFAS, EPA 1633a Target List	5	5										
BH52275-BS1	Q_P_PFAS, EPA 1633a Target List	5	5	S25H234	100					5.0			
BH52275-BS1	Q_P_PFAS, EPA 1633a NFDHA	5	5	S25H234	100					5.0			
BH52275-BS2	Q_P_PFAS, EPA 1633a NFDHA	5	5	S25H234	10					5.0			
BH52275-BS2	Q_P_PFAS, EPA 1633a Target List	5	5	S25H234	10					5.0			
BH52275-BS3	Q_P_PFAS, EPA 1633a NFDHA	5	5	S25H234	100								
BH52275-BS3	Q_P_PFAS, EPA 1633a Target List	5	5	S25H234	100								
BH52275-BS4	Q_P_PFAS, EPA 1633a Target List	5	5	S25H234	10								
BH52275-BS4	Q_P_PFAS, EPA 1633a NFDHA	5	5	S25H234	10								
BH52275-MS1	Q_P_PFAS, EPA 1633a NFDHA	5.01	5	S25H234	100			25H1535-09		5.0			

BH52275-MS1	Q_P_PFAS, EPA 1633a Target List	5.01	5	S25H234	100		25H1535-09	5.0
BH52275-MSD1	Q_P_PFAS, EPA 1633a NFDHA	5.02	5	S25H234	100		25H1535-09	5.0
BH52275-MSD1	Q_P_PFAS, EPA 1633a Target List	5.02	5	S25H234	100		25H1535-09	5.0

Reagent

Standard/Reagent ID	Description	LotNum
S24C315	Activated Charcoal Powder	SHBQ5521
S24C315	Activated Charcoal Powder	SHBQ5521
S24I257	Sand, Standard Washed and Dried	23B175205
S24I257	Sand, Standard Washed and Dried	23B175205
S25G232	Strata PFAS(GCB/WAX),10mg/200mg/6mL-EPA1633_SOIL	240812-11/M07222
S25G232	Strata PFAS(GCB/WAX),10mg/200mg/6mL-EPA1633_SOIL	240812-11/M07222
S25G410	1633 Formic Acid Methanolic 1:1	-
S25G410	1633 Formic Acid Methanolic 1:1	-
S25H022	1633 Methanolic Ammonium Hydroxide 1%	-
S25H022	1633 Methanolic Ammonium Hydroxide 1%	-
S25H061	1633 pH Adjusted PFAS Free DI Water, 6.84 pH	-
S25H061	1633 pH Adjusted PFAS Free DI Water, 6.84 pH	-
S25H062	1633 Formic Acid Methanolic 1:1	-
S25H062	1633 Formic Acid Methanolic 1:1	-
S25H066	1633 Formic Acid 0.3M Aqueous	-
S25H066	1633 Formic Acid 0.3M Aqueous	-
S25H171	Methanol, HPLC Plus Grade	EK533-US
S25H171	Methanol, HPLC Plus Grade	EK533-US
S25H215	Ammonium Hydroxide, 28.0% - 30.0%	MKCX5552
S25H215	Ammonium Hydroxide, 28.0% - 30.0%	MKCX5552

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25H234	EPA 1633 OPR BS Mix	BS20250805	100
S25H234	EPA 1633 OPR BS Mix	BS20250805	10
S25H234	EPA 1633 OPR BS Mix	BS20250805	100
S25H234	EPA 1633 OPR BS Mix	BS20250805	10

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25G056	EPA 1633 EIS Isotopic Surrogates	MPFACHIFES0525	25
S25G056	EPA 1633 EIS Isotopic Surrogates	MPFACHIFES0525	25

Preparations Performed by ** Vendor ** **Date:** **07/05/2025 12:17**

PREPARATION BENCH SHEET : BI50241

Preparation Date: 09/04/2025 15:14

assoc FB only - no eval

ALS Environmental - Stratford

Matrix: Water

Samples And QC:

Lab Number	Analysis	mL Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	Final	Basic	Decanted If applicable Y/N	Comments
25H1535-12 A	Q_P_PFAS, EPA 1633a Target List	462.7	5						P8	5.0	PC-7		
BI50241-BLK1	Q_P_PFAS, EPA 1633a Target List	500	5						P1	5.5	PC-9		
BI50241-BS1	Q_P_PFAS, EPA 1633a Target List	500	5	S25I001	100				P2	5.5	PC-9		
BI50241-BS2	Q_P_PFAS, EPA 1633a Target List	500	5	S25I001	10				P3	5.5	PC-9		

Reagent

Standard/Reagent ID	Description	LotNum
S25G233	Strata PFAS(WAX/GCB),200mg/10mg/6mL-EPA1633_Water	ZA0227QB/240812-11
S25H171	Methanol, HPLC Plus Grade	EK533-US
S25H415	1633 Formic Acid Methanolic 1:1	-
S25H416	1633 Formic Acid 0.3M Aqueous	-
S25H417	1633 pH Adjusted PFAS Free DI Water, 6.56 pH	-
S25I021	Ammonium Hydroxide, 28.0% - 30.0%	MKCX5552
S25I040	1633 Methanolic Ammonium Hydroxide 1%	-
S25I076	1633 Methanolic Ammonium Hydroxide 1%	-
S25I077	1633 Methanolic Ammonium Hydroxide 1%	-

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25I001	EPA 1633 OPR BS Mix	BS20250902	10
S25I001	EPA 1633 OPR BS Mix	BS20250902	100

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25H298	EPA 1633 EIS Isotopic Surrogates	MPFACHIFES0825	25

Preparations Performed by ** Vendor ** **Date:** **08/11/2025 17:14**

PREPARATION BENCH SHEET : BI50372

Preparation Date: 09/06/2025 10:13

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	Final	Basic	Decanted If applicable Y/N	Comments
25H1535-01RE1	A Q_P_PFAS, EPA 1633a Target List	5.01	5						P3	6.0	PC-7		From BH52275 by MPR on 09/06
25H1535-01RE1	A Q_P_PFAS, EPA 1633a NFDHA	5.01	5						P3	6.0	PC-7		From BH52275 by MPR on 09/06
25H1535-02RE1	A Q_P_PFAS, EPA 1633a NFDHA	5.01	5						P3	6.0	PC-7		From BH52275 by MPR on 09/06
25H1535-02RE1	A Q_P_PFAS, EPA 1633a Target List	5.01	5						P3	6.0	PC-7		From BH52275 by MPR on 09/06
25H1535-03RE1	A Q_P_PFAS, EPA 1633a NFDHA	5	5						P3	6.0	PC-7		From BH52275 by MPR on 09/06
25H1535-03RE1	A Q_P_PFAS, EPA 1633a Target List	5	5						P3	6.0	PC-7		From BH52275 by MPR on 09/06
25H1535-04RE1	A Q_P_PFAS, EPA 1633a NFDHA	4.98	5						P3	6.0	PC-7		From BH52275 by MPR on 09/06
25H1535-04RE1	A Q_P_PFAS, EPA 1633a Target List	4.98	5						P3	6.0	PC-7		From BH52275 by MPR on 09/06
25H1535-05RE1	A Q_P_PFAS, EPA 1633a NFDHA	5.01	5						P3	6.0	PC-7		From BH52275 by MPR on 09/06
25H1535-05RE1	A Q_P_PFAS, EPA 1633a Target List	5.01	5						P3	6.0	PC-7		From BH52275 by MPR on 09/06
25H1535-06RE1	A Q_P_PFAS, EPA 1633a Target List	5.03	5						P3	6.0	PC-7		From BH52275 by MPR on 09/06
25H1535-06RE1	A Q_P_PFAS, EPA 1633a NFDHA	5.03	5						P3	6.0	PC-7		From BH52275 by MPR on 09/06
25H1535-07RE1	A Q_P_PFAS, EPA 1633a NFDHA	5.01	5						P3	6.0	PC-7		From BH52275 by MPR on 09/06
25H1535-07RE1	A Q_P_PFAS, EPA 1633a Target List	5.01	5						P3	6.0	PC-7		From BH52275 by MPR on 09/06
25H1535-08RE1	A Q_P_PFAS, EPA 1633a NFDHA	5.01	5						P3	6.0	PC-7		From BH52275 by MPR on 09/06
25H1535-08RE1	A Q_P_PFAS, EPA 1633a Target List	5.01	5						P3	6.0	PC-7		From BH52275 by MPR on 09/06
25H1535-09RE1	A Q_P_PFAS, EPA 1633a NFDHA	5.02	5						P3	6.0	PC-7		From BH52275 by MPR on 09/06
25H1535-09RE1	A Q_P_PFAS, EPA 1633a Target List	5.02	5						P3	6.0	PC-7		From BH52275 by MPR on 09/06
25H1535-10RE1	A Q_P_PFAS, EPA 1633a Target List	5.01	5						P3	6.0	PC-7		From BH52275 by MPR on 09/06
25H1535-10RE1	A Q_P_PFAS, EPA 1633a NFDHA	5.01	5						P3	6.0	PC-7		From BH52275 by MPR on 09/06
BI50372-BLK1	Q_P_PFAS, EPA 1633a NFDHA	5	5						P4	5.0	PC-7		
BI50372-BLK1	Q_P_PFAS, EPA 1633a Target List	5	5						P4	5.0	PC-7		
BI50372-BS1	Q_P_PFAS, EPA 1633a NFDHA	5	5	S25I001	100				P5	5.0	PC-7		
BI50372-BS1	Q_P_PFAS, EPA 1633a Target List	5	5	S25I001	100				P5	5.0	PC-7		
BI50372-BS2	Q_P_PFAS, EPA 1633a NFDHA	5	5	S25I001	10				P6	5.0	PC-7		
BI50372-BS2	Q_P_PFAS, EPA 1633a Target List	5	5	S25I001	10				P6	5.0	PC-7		
BI50372-MS1	Q_P_PFAS, EPA 1633a NFDHA	5	5	S25I001	100			25H1535-09RE1	P7	6.0	PC-7		
BI50372-MS1	Q_P_PFAS, EPA 1633a Target List	5	5	S25I001	100			25H1535-09RE1	P7	6.0	PC-7		
BI50372-MSD1	Q_P_PFAS, EPA 1633a Target List	5	5	S25I001	100			25H1535-09RE1	P7	6.0	PC-7		
BI50372-MSD1	Q_P_PFAS, EPA 1633a NFDHA	5	5	S25I001	100			25H1535-09RE1	P7	6.0	PC-7		

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25I001	EPA 1633 OPR BS Mix	[illegible]	100

S25I001	EPA 1633 OPR BS Mix	BS20250902	10
S25I001	EPA 1633 OPR BS Mix	BS20250902	100
S25I001	EPA 1633 OPR BS Mix	BS20250902	10

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25H298	EPA 1633 EIS Isotopic Surrogates	MPFACHIFES0825	25
S25H298	EPA 1633 EIS Isotopic Surrogates	MPFACHIFES0825	25

Preparations Performed by ** Vendor ** **Date:** **08/11/2025 17:14**

METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: SOIL **Instrument:** BNA #1

Analyte	LOD	LOQ	Units
1,1-Biphenyl	0.0209	0.0417	mg/kg
1,2,4,5-Tetrachlorobenzene	0.0417	0.0833	mg/kg
1,2,4-Trichlorobenzene	0.0209	0.0417	mg/kg
1,2-Dichlorobenzene	0.0209	0.0417	mg/kg
1,2-Diphenylhydrazine (as Azobenzene)	0.0209	0.0417	mg/kg
1,3-Dichlorobenzene	0.0209	0.0417	mg/kg
1,4-Dichlorobenzene	0.0209	0.0417	mg/kg
2,3,4,6-Tetrachlorophenol	0.0417	0.0833	mg/kg
2,4,5-Trichlorophenol	0.0209	0.0417	mg/kg
2,4,6-Trichlorophenol	0.0209	0.0417	mg/kg
2,4-Dichlorophenol	0.0209	0.0417	mg/kg
2,4-Dimethylphenol	0.0209	0.0417	mg/kg
2,4-Dinitrophenol	0.0417	0.0833	mg/kg
2,4-Dinitrotoluene	0.0209	0.0417	mg/kg
2,6-Dinitrotoluene	0.0209	0.0417	mg/kg
2-Chloronaphthalene	0.0209	0.0417	mg/kg
2-Chlorophenol	0.0209	0.0417	mg/kg
2-Methylnaphthalene	0.0209	0.0417	mg/kg
2-Methylphenol	0.0209	0.0417	mg/kg
2-Nitroaniline	0.0417	0.0833	mg/kg
2-Nitrophenol	0.0209	0.0417	mg/kg
3- & 4-Methylphenols	0.0209	0.0417	mg/kg
3,3-Dichlorobenzidine	0.0209	0.0417	mg/kg
3-Nitroaniline	0.0417	0.0833	mg/kg
4,6-Dinitro-2-methylphenol	0.0417	0.0833	mg/kg
4-Bromophenyl phenyl ether	0.0209	0.0417	mg/kg
4-Chloro-3-methylphenol	0.0209	0.0417	mg/kg
4-Chloroaniline	0.0209	0.0417	mg/kg
4-Chlorophenyl phenyl ether	0.0209	0.0417	mg/kg
4-Nitroaniline	0.0417	0.0833	mg/kg
4-Nitrophenol	0.0417	0.0833	mg/kg
Acenaphthene	0.0209	0.0417	mg/kg
Acenaphthylene	0.0209	0.0417	mg/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: SOIL **Instrument:** BNA #1

Analyte	LOD	LOQ	Units
Acetophenone	0.0209	0.0417	mg/kg
Aniline	0.0835	0.167	mg/kg
Anthracene	0.0209	0.0417	mg/kg
Atrazine	0.0209	0.0417	mg/kg
Benzaldehyde	0.0209	0.0417	mg/kg
Benzidine	0.0835	0.167	mg/kg
Benzo(a)anthracene	0.0209	0.0417	mg/kg
Benzo(a)pyrene	0.0209	0.0417	mg/kg
Benzo(b)fluoranthene	0.0209	0.0417	mg/kg
Benzo(g,h,i)perylene	0.0209	0.0417	mg/kg
Benzo(k)fluoranthene	0.0209	0.0417	mg/kg
Benzoic acid	0.0209	0.0417	mg/kg
Benzyl alcohol	0.0209	0.0417	mg/kg
Benzyl butyl phthalate	0.0209	0.0417	mg/kg
Bis(2-chloroethoxy)methane	0.0209	0.0417	mg/kg
Bis(2-chloroethyl)ether	0.0209	0.0417	mg/kg
Bis(2-chloroisopropyl)ether	0.0209	0.0417	mg/kg
Bis(2-ethylhexyl)phthalate	0.0209	0.0417	mg/kg
Caprolactam	0.0417	0.0833	mg/kg
Carbazole	0.0209	0.0417	mg/kg
Dibenzo(a,h)anthracene	0.0209	0.0417	mg/kg
Dibenzofuran	0.0209	0.0417	mg/kg
Diethyl phthalate	0.0209	0.0417	mg/kg
Dimethyl phthalate	0.0209	0.0417	mg/kg
Di-n-butyl phthalate	0.0209	0.0417	mg/kg
Di-n-octyl phthalate	0.0209	0.0417	mg/kg
Diphenylamine	0.0417	0.0833	mg/kg
Fluoranthene	0.0209	0.0417	mg/kg
Fluorene	0.0209	0.0417	mg/kg
Hexachlorobenzene	0.0209	0.0417	mg/kg
Hexachlorobutadiene	0.0209	0.0417	mg/kg
Hexachlorocyclopentadiene	0.0209	0.0417	mg/kg
Hexachloroethane	0.0209	0.0417	mg/kg
Indeno(1,2,3-cd)pyrene	0.0209	0.0417	mg/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: SOIL **Instrument:** BNA #1

Analyte	LOD	LOQ	Units
Isophorone	0.0209	0.0417	mg/kg
Naphthalene	0.0209	0.0417	mg/kg
Nitrobenzene	0.0209	0.0417	mg/kg
N-Nitrosodimethylamine	0.0209	0.0417	mg/kg
N-nitroso-di-n-propylamine	0.0209	0.0417	mg/kg
N-Nitrosodiphenylamine	0.0209	0.0417	mg/kg
Pentachlorophenol	0.0209	0.0417	mg/kg
Phenanthrene	0.0209	0.0417	mg/kg
Phenol	0.0209	0.0417	mg/kg



METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: SOIL **Instrument:** BNA #4

Analyte	LOD	LOQ	Units
1,1-Biphenyl	0.0209	0.0417	mg/kg
1,2,4,5-Tetrachlorobenzene	0.0417	0.0833	mg/kg
1,2,4-Trichlorobenzene	0.0209	0.0417	mg/kg
1,2-Dichlorobenzene	0.0209	0.0417	mg/kg
1,2-Diphenylhydrazine (as Azobenzene)	0.0209	0.0417	mg/kg
1,3-Dichlorobenzene	0.0209	0.0417	mg/kg
1,4-Dichlorobenzene	0.0209	0.0417	mg/kg
2,3,4,6-Tetrachlorophenol	0.0417	0.0833	mg/kg
2,4,5-Trichlorophenol	0.0209	0.0417	mg/kg
2,4,6-Trichlorophenol	0.0209	0.0417	mg/kg
2,4-Dichlorophenol	0.0209	0.0417	mg/kg
2,4-Dimethylphenol	0.0209	0.0417	mg/kg
2,4-Dinitrophenol	0.0417	0.0833	mg/kg
2,4-Dinitrotoluene	0.0209	0.0417	mg/kg
2,6-Dinitrotoluene	0.0209	0.0417	mg/kg
2-Chloronaphthalene	0.0209	0.0417	mg/kg
2-Chlorophenol	0.0209	0.0417	mg/kg
2-Methylnaphthalene	0.0209	0.0417	mg/kg
2-Methylphenol	0.0209	0.0417	mg/kg
2-Nitroaniline	0.0417	0.0833	mg/kg
2-Nitrophenol	0.0209	0.0417	mg/kg
3- & 4-Methylphenols	0.0209	0.0417	mg/kg
3,3-Dichlorobenzidine	0.0209	0.0417	mg/kg
3-Nitroaniline	0.0417	0.0833	mg/kg
4,6-Dinitro-2-methylphenol	0.0417	0.0833	mg/kg
4-Bromophenyl phenyl ether	0.0209	0.0417	mg/kg
4-Chloro-3-methylphenol	0.0209	0.0417	mg/kg
4-Chloroaniline	0.0209	0.0417	mg/kg
4-Chlorophenyl phenyl ether	0.0209	0.0417	mg/kg
4-Nitroaniline	0.0417	0.0833	mg/kg
4-Nitrophenol	0.0417	0.0833	mg/kg
Acenaphthene	0.0209	0.0417	mg/kg
Acenaphthylene	0.0209	0.0417	mg/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: SOIL **Instrument:** BNA #4

Analyte	LOD	LOQ	Units
Acetophenone	0.0209	0.0417	mg/kg
Aniline	0.0835	0.167	mg/kg
Anthracene	0.0209	0.0417	mg/kg
Atrazine	0.0209	0.0417	mg/kg
Benzaldehyde	0.0209	0.0417	mg/kg
Benzidine	0.0835	0.167	mg/kg
Benzo(a)anthracene	0.0209	0.0417	mg/kg
Benzo(a)pyrene	0.0209	0.0417	mg/kg
Benzo(b)fluoranthene	0.0209	0.0417	mg/kg
Benzo(g,h,i)perylene	0.0209	0.0417	mg/kg
Benzo(k)fluoranthene	0.0209	0.0417	mg/kg
Benzoic acid	0.0209	0.0417	mg/kg
Benzyl alcohol	0.0209	0.0417	mg/kg
Benzyl butyl phthalate	0.0209	0.0417	mg/kg
Bis(2-chloroethoxy)methane	0.0209	0.0417	mg/kg
Bis(2-chloroethyl)ether	0.0209	0.0417	mg/kg
Bis(2-chloroisopropyl)ether	0.0209	0.0417	mg/kg
Bis(2-ethylhexyl)phthalate	0.0209	0.0417	mg/kg
Caprolactam	0.0417	0.0833	mg/kg
Carbazole	0.0209	0.0417	mg/kg
Chrysene	0.0209	0.0417	mg/kg
Dibenzo(a,h)anthracene	0.0209	0.0417	mg/kg
Dibenzofuran	0.0209	0.0417	mg/kg
Diethyl phthalate	0.0209	0.0417	mg/kg
Dimethyl phthalate	0.0209	0.0417	mg/kg
Di-n-butyl phthalate	0.0209	0.0417	mg/kg
Di-n-octyl phthalate	0.0209	0.0417	mg/kg
Diphenylamine	0.0417	0.0833	mg/kg
Fluoranthene	0.0209	0.0417	mg/kg
Fluorene	0.0209	0.0417	mg/kg
Hexachlorobenzene	0.0209	0.0417	mg/kg
Hexachlorobutadiene	0.0209	0.0417	mg/kg
Hexachlorocyclopentadiene	0.0209	0.0417	mg/kg
Hexachloroethane	0.0209	0.0417	mg/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: SOIL **Instrument:** BNA #4

Analyte	LOD	LOQ	Units
Indeno(1,2,3-cd)pyrene	0.0209	0.0417	mg/kg
Isophorone	0.0209	0.0417	mg/kg
Naphthalene	0.0209	0.0417	mg/kg
Nitrobenzene	0.0209	0.0417	mg/kg
N-Nitrosodimethylamine	0.0209	0.0417	mg/kg
N-nitroso-di-n-propylamine	0.0209	0.0417	mg/kg
N-Nitrosodiphenylamine	0.0209	0.0417	mg/kg
Pentachlorophenol	0.0209	0.0417	mg/kg
Phenanthrene	0.0209	0.0417	mg/kg
Phenol	0.0209	0.0417	mg/kg
Pyrene	0.0209	0.0417	mg/kg



METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: SOIL **Instrument:** BNA#2

Analyte	LOD	LOQ	Units
1,1-Biphenyl	0.0209	0.0417	mg/kg
1,2,4,5-Tetrachlorobenzene	0.0417	0.0833	mg/kg
1,2,4-Trichlorobenzene	0.0209	0.0417	mg/kg
1,2-Dichlorobenzene	0.0209	0.0417	mg/kg
1,2-Diphenylhydrazine (as Azobenzene)	0.0209	0.0417	mg/kg
1,3-Dichlorobenzene	0.0209	0.0417	mg/kg
1,4-Dichlorobenzene	0.0209	0.0417	mg/kg
2,3,4,6-Tetrachlorophenol	0.0417	0.0833	mg/kg
2,4,5-Trichlorophenol	0.0209	0.0417	mg/kg
2,4,6-Trichlorophenol	0.0209	0.0417	mg/kg
2,4-Dichlorophenol	0.0209	0.0417	mg/kg
2,4-Dimethylphenol	0.0209	0.0417	mg/kg
2,4-Dinitrophenol	0.0417	0.0833	mg/kg
2,4-Dinitrotoluene	0.0209	0.0417	mg/kg
2,6-Dinitrotoluene	0.0209	0.0417	mg/kg
2-Chloronaphthalene	0.0209	0.0417	mg/kg
2-Chlorophenol	0.0209	0.0417	mg/kg
2-Methylnaphthalene	0.0209	0.0417	mg/kg
2-Methylphenol	0.0209	0.0417	mg/kg
2-Nitroaniline	0.0417	0.0833	mg/kg
2-Nitrophenol	0.0209	0.0417	mg/kg
3- & 4-Methylphenols	0.0209	0.0417	mg/kg
3,3-Dichlorobenzidine	0.0209	0.0417	mg/kg
3-Nitroaniline	0.0417	0.0833	mg/kg
4,6-Dinitro-2-methylphenol	0.0417	0.0833	mg/kg
4-Bromophenyl phenyl ether	0.0209	0.0417	mg/kg
4-Chloro-3-methylphenol	0.0209	0.0417	mg/kg
4-Chloroaniline	0.0209	0.0417	mg/kg
4-Chlorophenyl phenyl ether	0.0209	0.0417	mg/kg
4-Nitroaniline	0.0417	0.0833	mg/kg
4-Nitrophenol	0.0417	0.0833	mg/kg
Acenaphthene	0.0209	0.0417	mg/kg
Acenaphthylene	0.0209	0.0417	mg/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: SOIL **Instrument:** BNA#2

Analyte	LOD	LOQ	Units
Acetophenone	0.0209	0.0417	mg/kg
Aniline	0.0835	0.167	mg/kg
Anthracene	0.0209	0.0417	mg/kg
Atrazine	0.0209	0.0417	mg/kg
Benzaldehyde	0.0209	0.0417	mg/kg
Benzidine	0.0835	0.167	mg/kg
Benzo(a)anthracene	0.0209	0.0417	mg/kg
Benzo(a)pyrene	0.0209	0.0417	mg/kg
Benzo(b)fluoranthene	0.0209	0.0417	mg/kg
Benzo(g,h,i)perylene	0.0209	0.0417	mg/kg
Benzo(k)fluoranthene	0.0209	0.0417	mg/kg
Benzoic acid	0.0209	0.0417	mg/kg
Benzyl alcohol	0.0209	0.0417	mg/kg
Benzyl butyl phthalate	0.0209	0.0417	mg/kg
Bis(2-chloroethoxy)methane	0.0209	0.0417	mg/kg
Bis(2-chloroethyl)ether	0.0209	0.0417	mg/kg
Bis(2-chloroisopropyl)ether	0.0209	0.0417	mg/kg
Bis(2-ethylhexyl)phthalate	0.0209	0.0417	mg/kg
Caprolactam	0.0417	0.0833	mg/kg
Carbazole	0.0209	0.0417	mg/kg
Chrysene	0.0209	0.0417	mg/kg
Dibenzo(a,h)anthracene	0.0209	0.0417	mg/kg
Dibenzofuran	0.0209	0.0417	mg/kg
Diethyl phthalate	0.0209	0.0417	mg/kg
Dimethyl phthalate	0.0209	0.0417	mg/kg
Di-n-butyl phthalate	0.0209	0.0417	mg/kg
Di-n-octyl phthalate	0.0209	0.0417	mg/kg
Diphenylamine	0.0417	0.0833	mg/kg
Fluoranthene	0.0209	0.0417	mg/kg
Fluorene	0.0209	0.0417	mg/kg
Hexachlorobenzene	0.0209	0.0417	mg/kg
Hexachlorobutadiene	0.0209	0.0417	mg/kg
Hexachlorocyclopentadiene	0.0209	0.0417	mg/kg
Hexachloroethane	0.0209	0.0417	mg/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: SOIL **Instrument:** BNA#2

Analyte	LOD	LOQ	Units
Indeno(1,2,3-cd)pyrene	0.0209	0.0417	mg/kg
Isophorone	0.0209	0.0417	mg/kg
Naphthalene	0.0209	0.0417	mg/kg
Nitrobenzene	0.0209	0.0417	mg/kg
N-Nitrosodimethylamine	0.0209	0.0417	mg/kg
N-nitroso-di-n-propylamine	0.0209	0.0417	mg/kg
N-Nitrosodiphenylamine	0.0209	0.0417	mg/kg
Pentachlorophenol	0.0209	0.0417	mg/kg
Phenanthrene	0.0209	0.0417	mg/kg
Phenol	0.0209	0.0417	mg/kg
Pyrene	0.0209	0.0417	mg/kg



METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: SOIL **Instrument:** BNA#6

Analyte	LOD	LOQ	Units
Pyrene	0.0209	0.0417	mg/kg



Sample Information

Client Sample ID: **HVAC SW North 1-3** **Sample ID: 25H1535-05**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

extract in 14 days

analyze in 40 days

Sample Prepared by Method: EPA 3550C

Results Reported to MDL % Solids: 89.62

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.183	0.0918	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.183	0.0918	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.183	0.0918	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
91-57-6	**2-Methylnaphthalene**	0.253		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.183	0.0918	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
65794-96-9	* 3- & 4-Methylphenols	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.183	0.0918	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.183	0.0918	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.183	0.0918	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.183	0.0918	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
83-32-9	**Acenaphthene**	0.126		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
208-96-8	**Acenaphthylene**	0.453		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
98-86-2	Acetophenone	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
62-53-3	Aniline	ND		mg/kg dry	0.368	0.184	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
120-12-7	**Anthracene**	0.500		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS

Sample Information

Client Sample ID: **HVAC SW North 1-3** **Sample ID: 25H1535-05**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C | Results Reported to MDL | % Solids: 89.62

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
92-87-5	Benzidine	ND		mg/kg dry	0.368	0.184	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
56-55-3	**Benzo(a)anthracene**	1.55		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
50-32-8	**Benzo(a)pyrene**	1.46		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
205-99-2	**Benzo(b)fluoranthene**	0.912		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
191-24-2	**Benzo(g,h,i)perylene**	1.02	CCVE	mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
207-08-9	**Benzo(k)fluoranthene**	0.856		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
65-85-0	Benzoic acid	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
105-60-2	Caprolactam	ND		mg/kg dry	0.183	0.0918	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
86-74-8	Carbazole	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
218-01-9	**Chrysene**	1.73		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
53-70-3	**Dibenzo(a,h)anthracene**	0.269		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
132-64-9	**Dibenzofuran**	0.0595	J	mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
122-39-4	Diphenylamine	ND		mg/kg dry	0.183	0.0918	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
206-44-0	**Fluoranthene**	1.69		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
86-73-7	**Fluorene**	0.452		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
193-39-5	**Indeno(1,2,3-cd)pyrene**	0.589		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
78-59-1	Isophorone	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
91-20-3	**Naphthalene**	0.255		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS

Sample Information

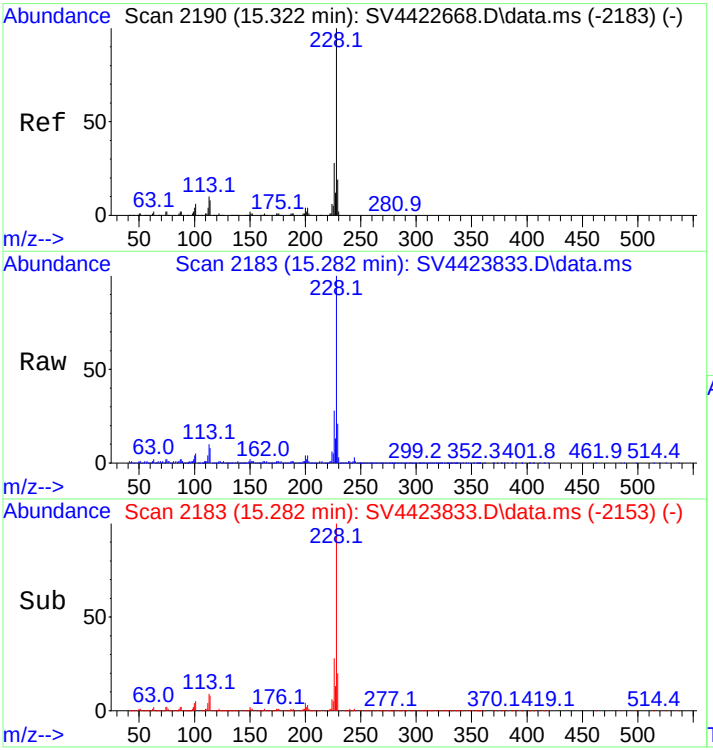
Client Sample ID: **HVAC SW North 1-3** **Sample ID: 25H1535-05**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C | Results Reported to MDL | % Solids: 89.62

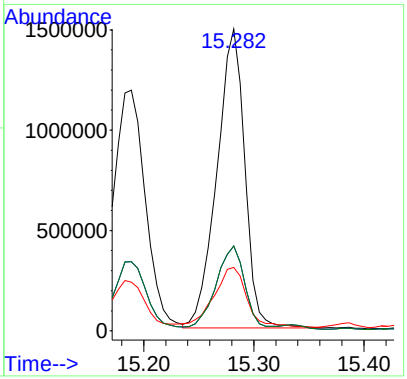
CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
85-01-8	**Phenanthrene**	1.59		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
108-95-2	Phenol	ND		mg/kg dry	0.0918	0.0460	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:16	SS
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*56.9 %*			*19-110*						
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*47.4 %*			*21-113*						
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*63.0 %*			*20-108*						
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*47.7 %*			*22-108*						
13127-88-3	*Surrogate: SURR: Phenol-d6*	*48.6 %*			*23-114*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*57.6 %*			*24-116*						

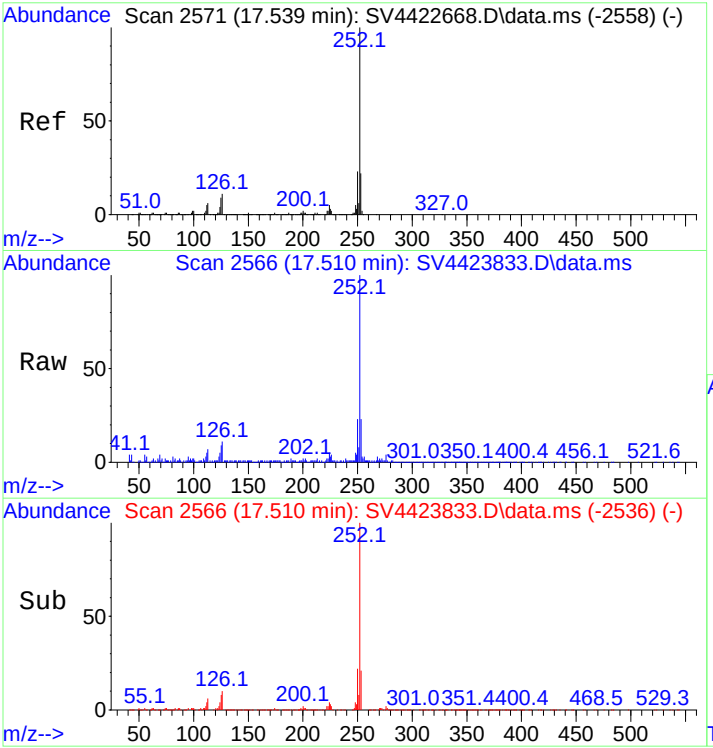


#88
Chrysene
Concen: 23.54 ug/mL
RT: 15.282 min Scan# 2183
Delta R.T. 0.024 min
Lab File: SV4423833.D
Acq: 29 Aug 2025 1:16 am

Tgt Ion:228 Resp: 2631276

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.5	33.7
229	23.8	16.0	24.0
226	28.9	22.5	33.7

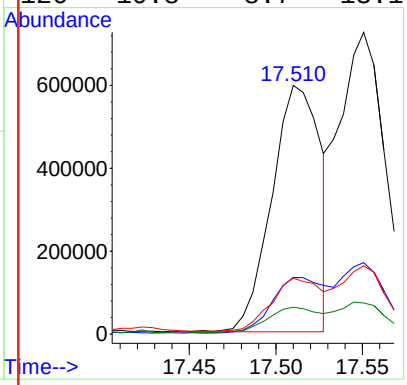




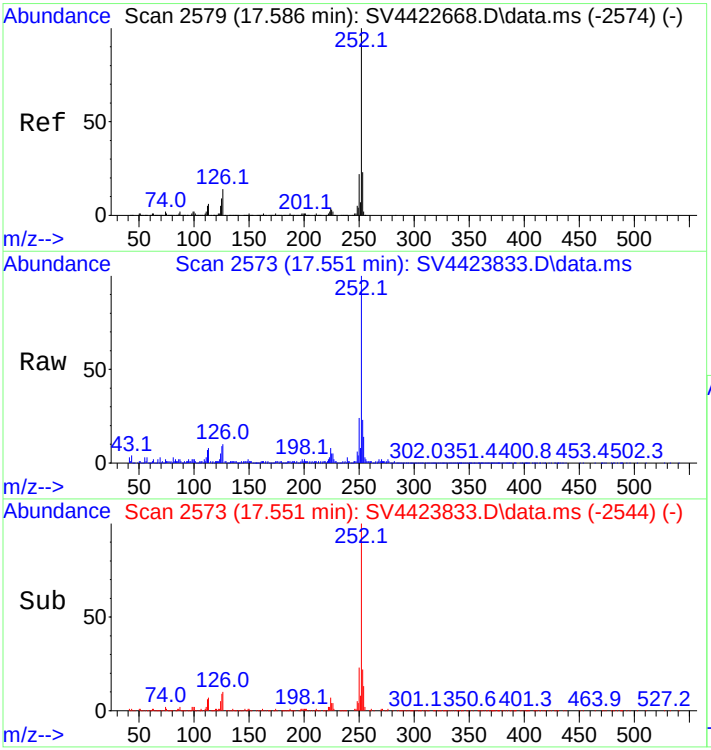
#90
Benzo(b)fluoranthene
Concen: 12.43 ug/mL
RT: 17.510 min Scan# 2566
Delta R.T. 0.023 min
Lab File: SV4423833.D
Acq: 29 Aug 2025 1:16 am

Tgt Ion:252 Resp: 1160649

Ion	Ratio	Lower	Upper
252	100		
250	26.6	19.2	28.8
253	21.8	19.0	28.4
126	10.8	8.7	13.1



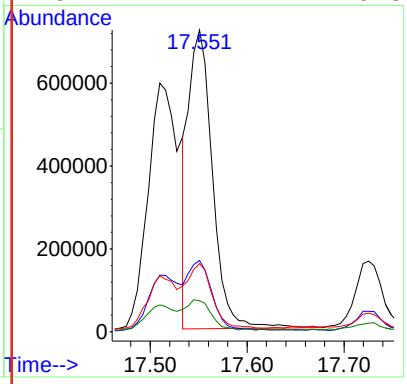
chromatographic interference (isomers not resolved), qualify J:IN



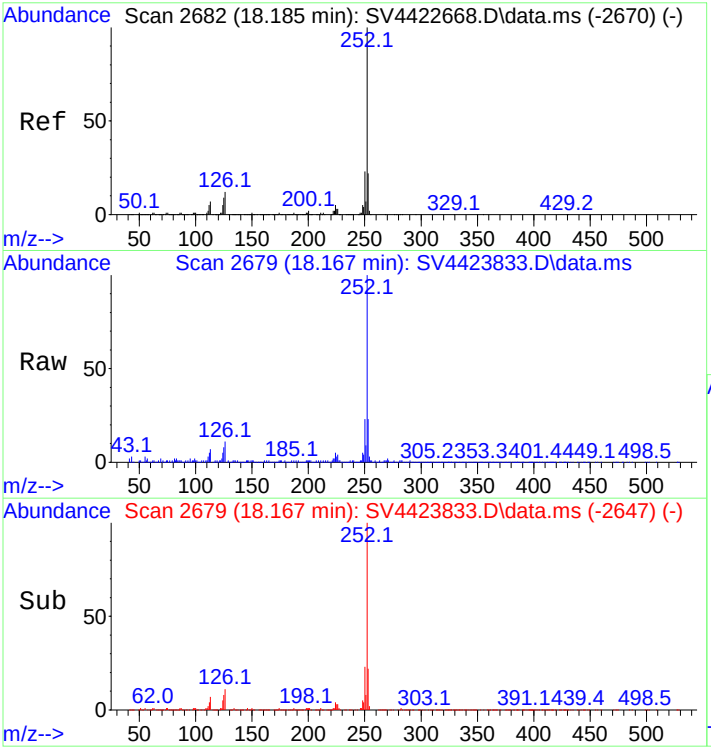
#91
Benzo(k)fluoranthene
Concen: 11.66 ug/mL
RT: 17.551 min Scan# 2573
Delta R.T. 0.018 min
Lab File: SV4423833.D
Acq: 29 Aug 2025 1:16 am

Tgt Ion:252 Resp: 1235819

Ion	Ratio	Lower	Upper
252	100		
250	23.4	15.8	23.8
253	21.3	15.6	23.4
126	11.1	7.2	10.8#



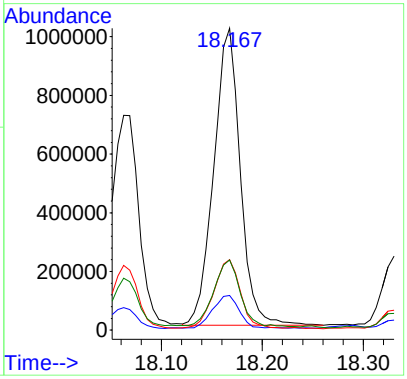
chromatographic interference (isomers not resolved), qualify J:IN



#92
Benzo(a)pyrene
Concen: 19.85 ug/mL
RT: 18.167 min Scan# 2679
Delta R.T. 0.034 min
Lab File: SV4423833.D
Acq: 29 Aug 2025 1:16 am

Tgt Ion:252 Resp: 1847279

Ion	Ratio	Lower	Upper
252	100		
126	11.0	8.6	13.0
250	23.0	18.2	27.2
253	22.3	17.4	26.0



Sample Information

Client Sample ID: **HVAC SW North 1-3** **Sample ID: 25H1535-05RE1**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C Results Reported to MDL % Solids: 89.62

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
129-00-0	**Pyrene**	4.62		mg/kg dry	0.230	0.115	5	EPA 8270E	08/26/2025 09:21	08/29/2025 22:48	AK
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*38.9 %*			*19-110*						
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*49.8 %*			*21-113*						
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*30.8 %*			*20-108*						
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*19.6 %*	S-08		*22-108*						
13127-88-3	*Surrogate: SURR: Phenol-d6*	*17.2 %*	S-08		*23-114*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*63.8 %*			*24-116*						

check raw data to ensure on-column surrogate concentrations are in calibration range

sample qual J-:SR-

ICAL L1 =1.25 ug/mL for both surrogates

phenol-d6/5 w/in cal range (1.72 ug/mL in raw data), no qual of base/neutral analyte

nitrobenzene-d5 (0.98 ug/mL) and the lower acceptance limit (1.1 ug/mL) both below cal range, no qual

Sample Information

Client Sample ID: **HVAC SW South 1-3** **Sample ID: 25H1535-06**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C | Results Reported to MDL | % Solids: 92.50

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.179	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.179	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.179	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
91-57-6	**2-Methylnaphthalene**	0.0680	J	mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.179	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
65794-96-9	* 3- & 4-Methylphenols	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.179	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.179	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.179	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.179	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
83-32-9	Acenaphthene	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
208-96-8	**Acenaphthylene**	0.210		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
98-86-2	Acetophenone	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
62-53-3	Aniline	ND		mg/kg dry	0.359	0.179	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
120-12-7	**Anthracene**	0.190		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS

Sample Information

Client Sample ID: **HVAC SW South 1-3** **Sample ID: 25H1535-06**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C | Results Reported to MDL | % Solids: 92.50

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
92-87-5	Benzidine	ND		mg/kg dry	0.359	0.179	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
56-55-3	**Benzo(a)anthracene**	0.799		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
50-32-8	**Benzo(a)pyrene**	0.664		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
205-99-2	**Benzo(b)fluoranthene**	0.434		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
191-24-2	**Benzo(g,h,i)perylene**	0.462	CCVE	mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
207-08-9	**Benzo(k)fluoranthene**	0.400		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
65-85-0	Benzoic acid	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
105-60-2	Caprolactam	ND		mg/kg dry	0.179	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
86-74-8	Carbazole	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
218-01-9	**Chrysene**	0.863		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
53-70-3	**Dibenzo(a,h)anthracene**	0.103		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
122-39-4	Diphenylamine	ND		mg/kg dry	0.179	0.0896	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
206-44-0	**Fluoranthene**	0.732		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
86-73-7	**Fluorene**	0.103		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
193-39-5	**Indeno(1,2,3-cd)pyrene**	0.276		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
78-59-1	Isophorone	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
91-20-3	**Naphthalene**	0.0888	J	mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS

Sample Information

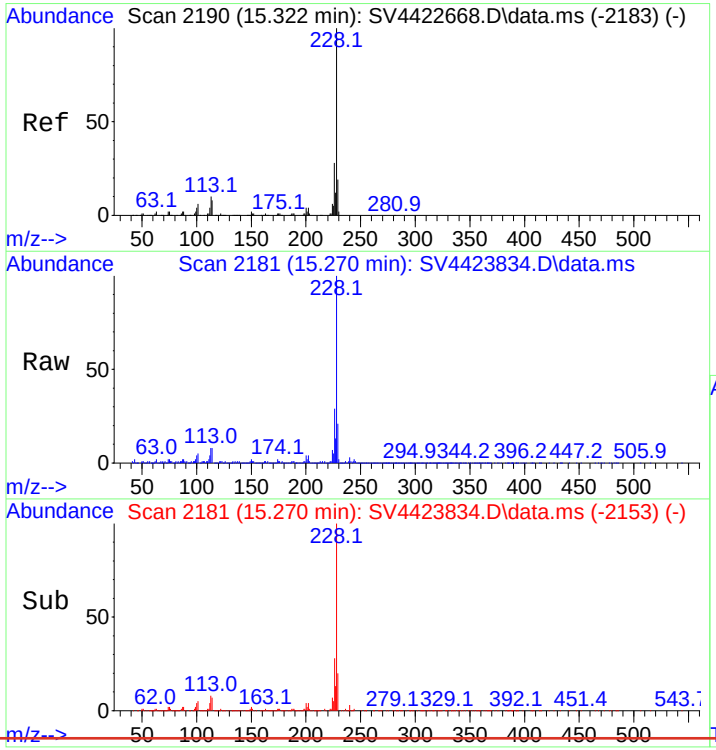
Client Sample ID: **HVAC SW South 1-3** **Sample ID: 25H1535-06**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C | Results Reported to MDL | % Solids: 92.50

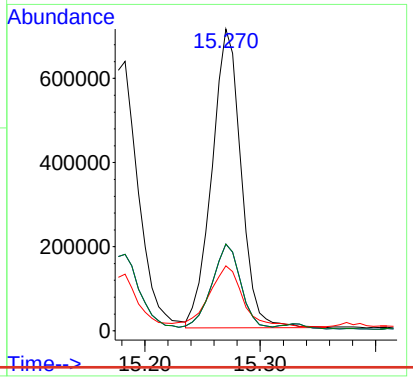
CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
85-01-8	**Phenanthrene**	0.564		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
108-95-2	Phenol	ND		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
129-00-0	**Pyrene**	1.69		mg/kg dry	0.0896	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 01:45	SS
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*64.7 %*			*19-110*						
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*55.4 %*			*21-113*						
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*67.5 %*			*20-108*						
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*51.8 %*			*22-108*						
13127-88-3	*Surrogate: SURR: Phenol-d6*	*53.0 %*			*23-114*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*68.2 %*			*24-116*						

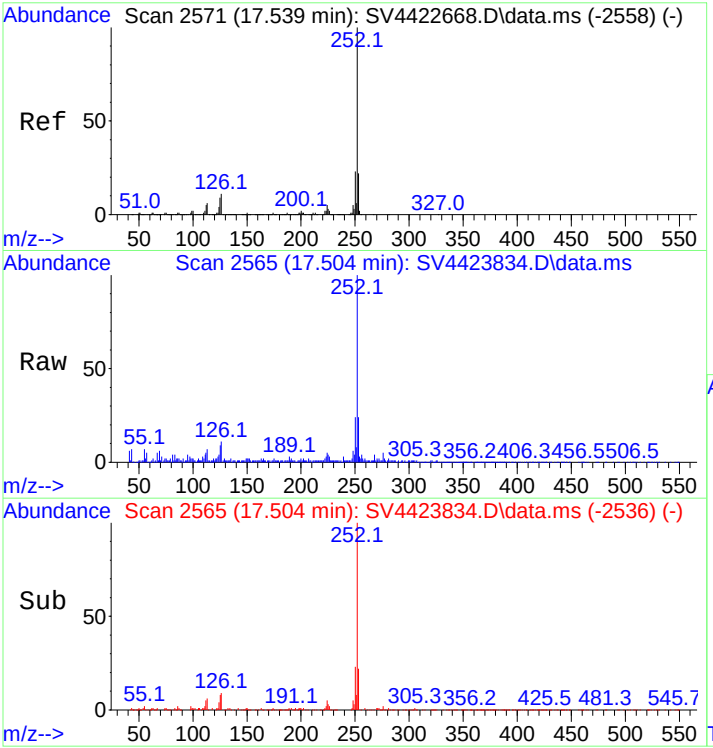


#88
Chrysene
Concen: 12.05 ug/mL
RT: 15.270 min Scan# 2181
Delta R.T. 0.012 min
Lab File: SV4423834.D
Acq: 29 Aug 2025 1:45 am

Tgt Ion:228 Resp: 1248914

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.5	33.7
229	23.4	16.0	24.0
226	28.3	22.5	33.7



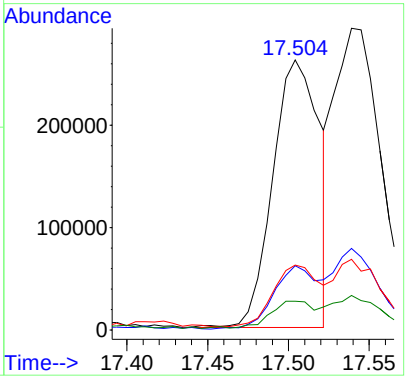


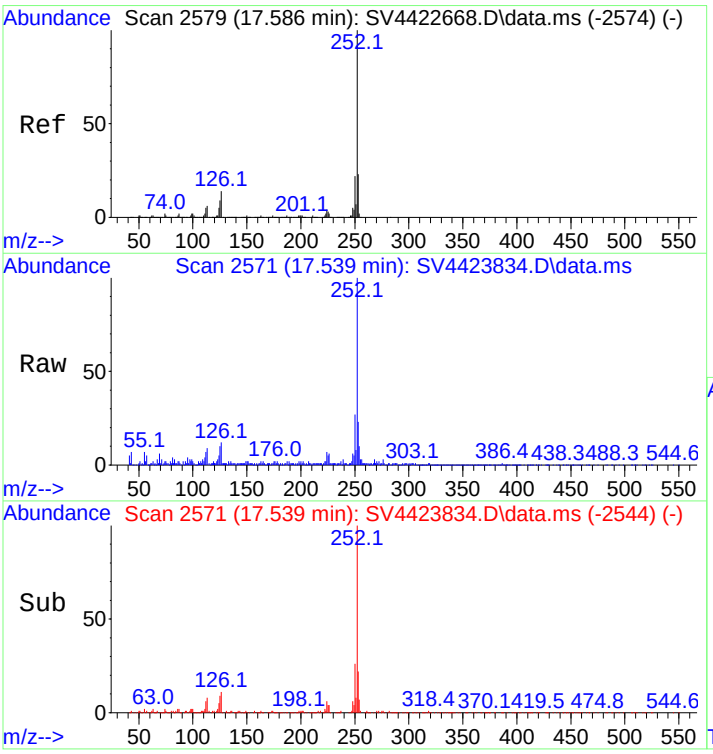
#90
Benzo(b)fluoranthene
Concen: 6.06 ug/mL
RT: 17.504 min Scan# 2565
Delta R.T. 0.017 min
Lab File: SV4423834.D
Acq: 29 Aug 2025 1:45 am

Tgt Ion:252 Resp: 524681

Ion	Ratio	Lower	Upper
252	100		
250	19.9	19.2	28.8
253	22.2	19.0	28.4
126	8.9	8.7	13.1

not well resolved from benzo(k) isomer, qualify J:IN

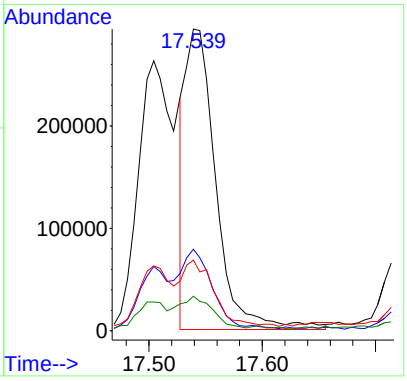




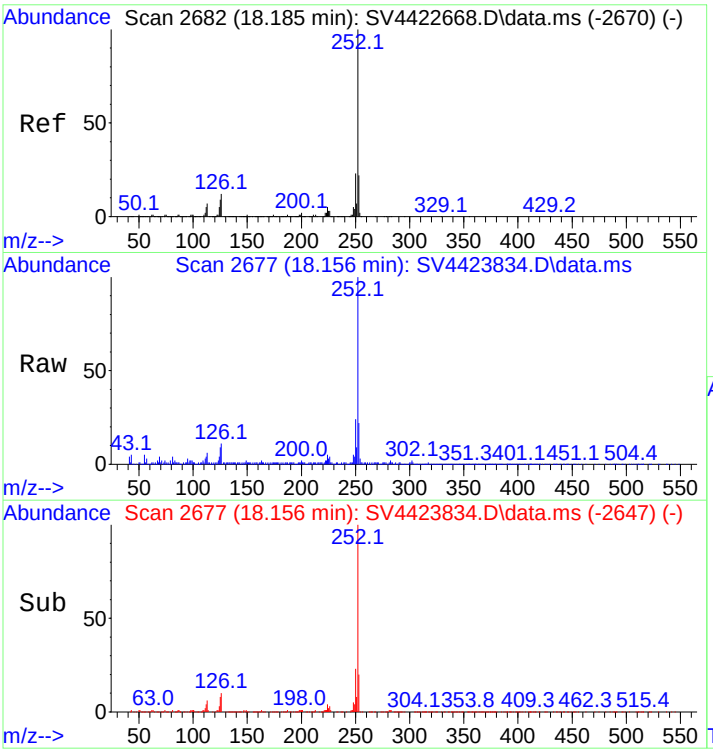
#91
Benzo(k)fluoranthene
Concen: 5.59 ug/mL m
RT: 17.539 min Scan# 2571
Delta R.T. 0.006 min
Lab File: SV4423834.D
Acq: 29 Aug 2025 1:45 am

Tgt Ion:252 Resp: 549764

Ion	Ratio	Lower	Upper
252	100		
250	19.0	15.8	23.8
253	21.2	15.6	23.4
126	8.5	7.2	10.8



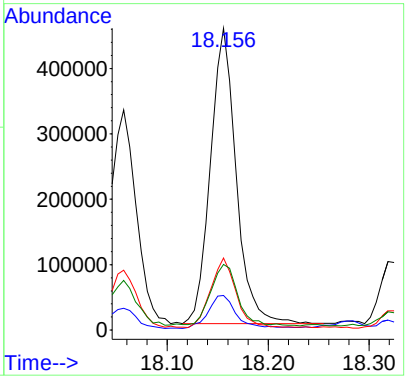
not well resolved from benzo(b) isomer, qualify J:IN



#92
Benzo(a)pyrene
Concen: 9.28 ug/mL
RT: 18.156 min Scan# 2677
Delta R.T. 0.023 min
Lab File: SV4423834.D
Acq: 29 Aug 2025 1:45 am

Tgt Ion:252 Resp: 800940

Ion	Ratio	Lower	Upper
252	100		
126	11.8	8.6	13.0
250	22.9	18.2	27.2
253	22.2	17.4	26.0



Sample Information

Client Sample ID: **HVAC SW East 1-3** **Sample ID: 25H1535-07**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C | Results Reported to MDL | % Solids: 91.72

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
92-52-4	**1,1-Biphenyl**	0.0229	J	mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0882	0.0441	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0882	0.0441	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0882	0.0441	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
91-57-6	**2-Methylnaphthalene**	0.153		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0882	0.0441	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
65794-96-9	* 3- & 4-Methylphenols	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0882	0.0441	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0882	0.0441	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0882	0.0441	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0882	0.0441	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
83-32-9	**Acenaphthene**	0.0311	J	mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
208-96-8	**Acenaphthylene**	0.848		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
98-86-2	Acetophenone	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
62-53-3	Aniline	ND		mg/kg dry	0.177	0.0884	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
120-12-7	**Anthracene**	0.843		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS

Sample Information

Client Sample ID: **HVAC SW East 1-3** **Sample ID: 25H1535-07**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C

Results Reported to MDL

% Solids: 91.72

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
92-87-5	Benzidine	ND		mg/kg dry	0.177	0.0884	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
56-55-3	**Benzo(a)anthracene**	1.30		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
50-32-8	**Benzo(a)pyrene**	1.38		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
205-99-2	**Benzo(b)fluoranthene**	1.10		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
191-24-2	**Benzo(g,h,i)perylene**	1.18		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
207-08-9	**Benzo(k)fluoranthene**	1.00		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
65-85-0	Benzoic acid	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
105-60-2	Caprolactam	ND		mg/kg dry	0.0882	0.0441	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
86-74-8	**Carbazole**	0.0275	J	mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
53-70-3	**Dibenzo(a,h)anthracene**	0.366		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
132-64-9	**Dibenzofuran**	0.0222	J	mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
122-39-4	Diphenylamine	ND		mg/kg dry	0.0882	0.0441	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
206-44-0	**Fluoranthene**	1.01		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
86-73-7	**Fluorene**	0.143		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
193-39-5	**Indeno(1,2,3-cd)pyrene**	0.857	CCVE	mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
78-59-1	Isophorone	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
91-20-3	**Naphthalene**	0.177		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS

Sample Information

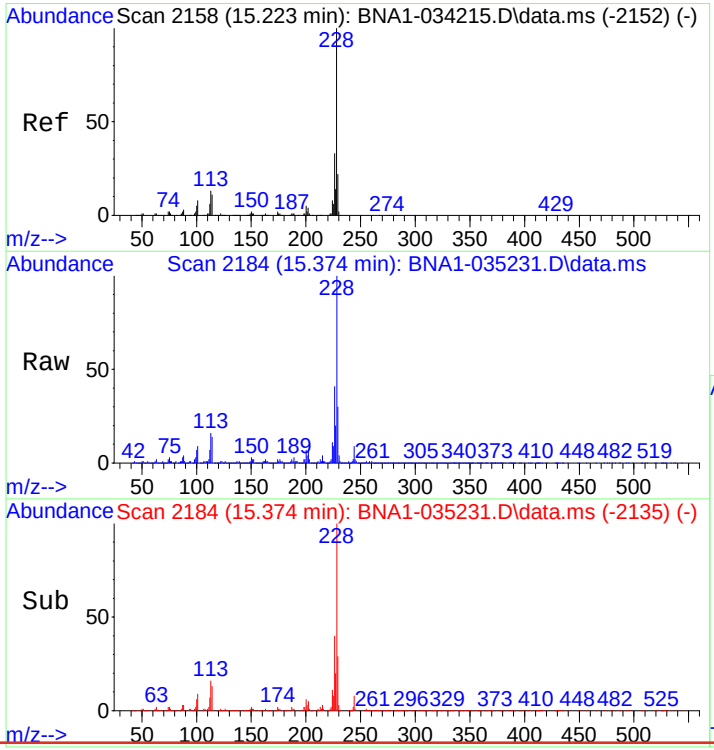
Client Sample ID: **HVAC SW East 1-3** **Sample ID: 25H1535-07**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C | Results Reported to MDL | % Solids: 91.72

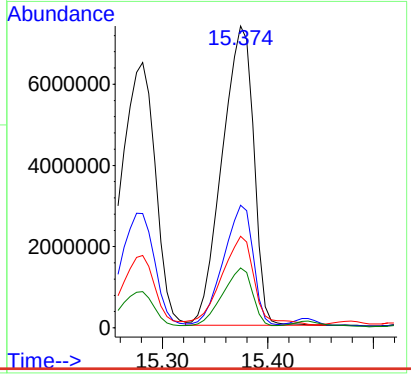
CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
85-01-8	**Phenanthrene**	0.520		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
108-95-2	Phenol	ND		mg/kg dry	0.0441	0.0221	1	EPA 8270E	08/26/2025 09:21	08/30/2025 18:30	SS
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*65.8 %*			*19-110*						
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*47.2 %*			*21-113*						
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*49.1 %*			*20-108*						
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*45.6 %*			*22-108*						
13127-88-3	*Surrogate: SURR: Phenol-d6*	*45.7 %*			*23-114*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*51.8 %*			*24-116*						

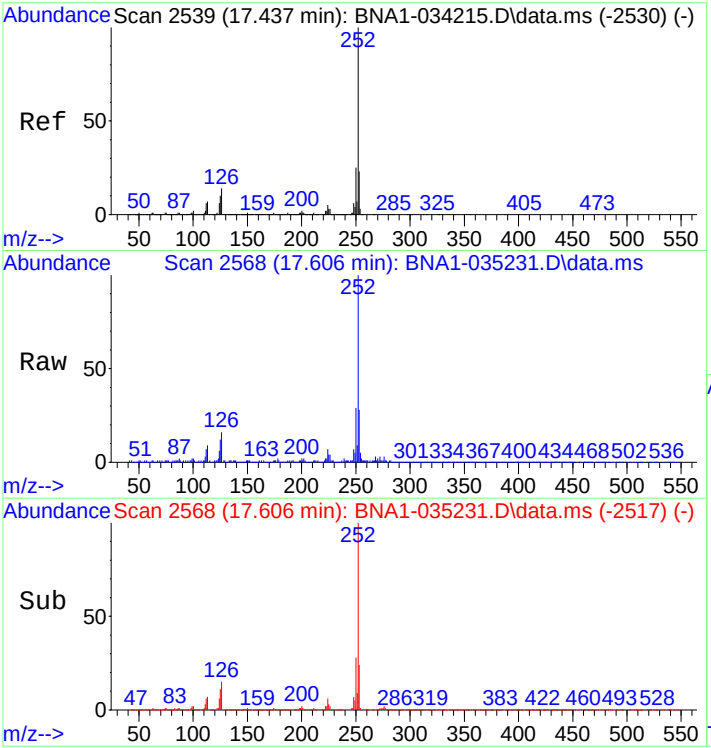


#88
Chrysene
Concen: 41.54 ug/mL
RT: 15.374 min Scan# 2184
Delta R.T. 0.035 min
Lab File: BNA1-035231.D
Acq: 30 Aug 2025 6:30 pm

Tgt Ion:228 Resp:15374228

Ion	Ratio	Lower	Upper
228	100		
226	38.2	25.2	37.8#
229	30.8	16.9	25.3#
227	18.7	10.8	16.2#



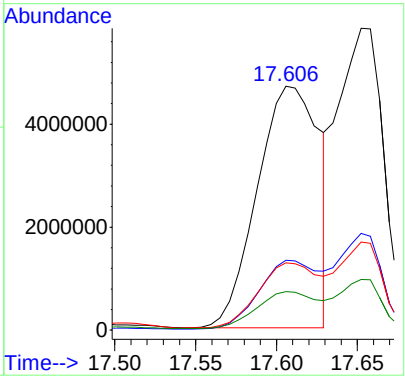


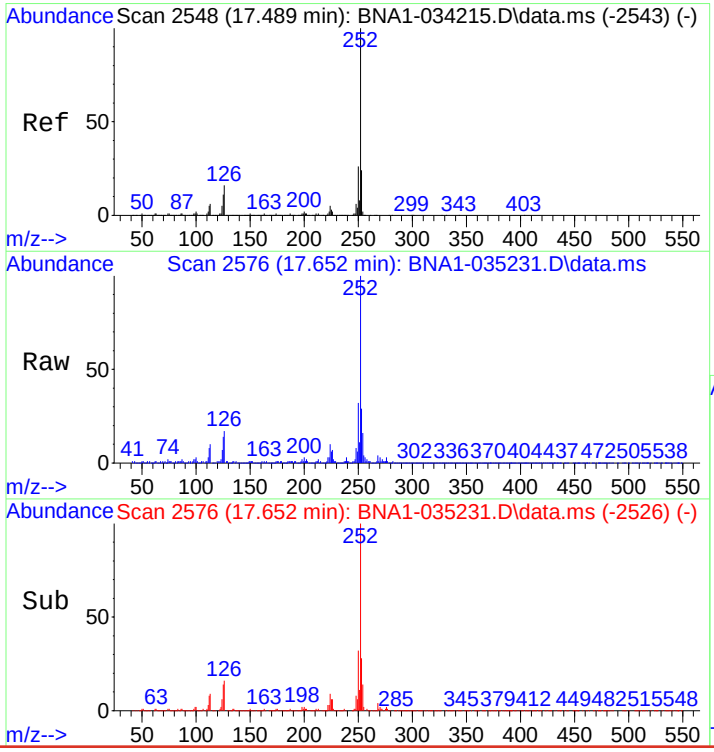
#90
Benzo(b)fluoranthene
Concen: 31.05 ug/mL
RT: 17.606 min Scan# 2568
Delta R.T. 0.047 min
Lab File: BNA1-035231.D
Acq: 30 Aug 2025 6:30 pm

Tgt Ion:252 Resp:12513302

Ion	Ratio	Lower	Upper
252	100		
250	27.7	19.4	29.0
253	26.3	18.3	27.5
126	15.0	11.4	17.2

not well resolved from benzo(k) isomer, qualify J:IN



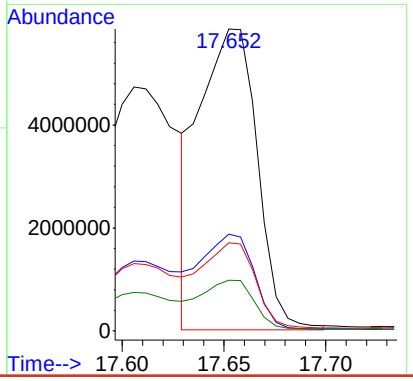


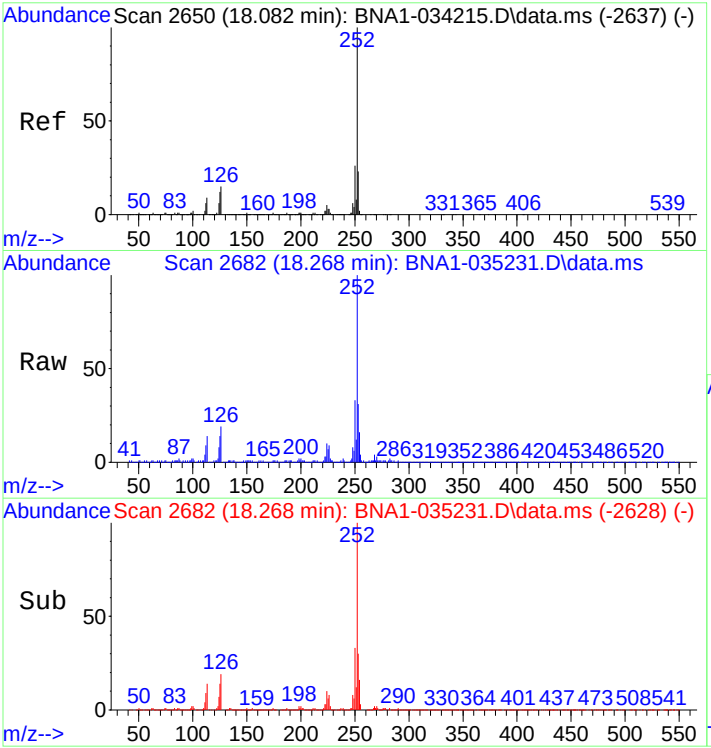
#91
Benzo(k)fluoranthene
Concen: 28.47 ug/mL m
RT: 17.652 min Scan# 2576
Delta R.T. 0.041 min
Lab File: BNA1-035231.D
Acq: 30 Aug 2025 6:30 pm

Tgt Ion:252 Resp:11568989

Ion	Ratio	Lower	Upper
252	100		
250	30.0	19.2	28.8#
253	28.5	18.2	27.4#
126	16.2	11.4	17.0

not well resolved from benzo(b) isomer, qualify J:IN

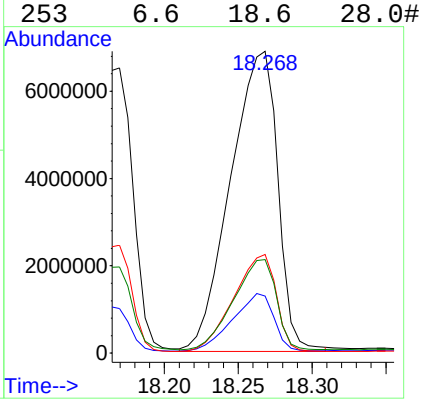




#92
Benzo(a)pyrene
Concen: 39.03 ug/mL m
RT: 18.268 min Scan# 2682
Delta R.T. 0.064 min
Lab File: BNA1-035231.D
Acq: 30 Aug 2025 6:30 pm

Tgt Ion:252 Resp:15305111

Ion	Ratio	Lower	Upper
252	100		
126	4.0	11.5	17.3#
250	7.8	19.7	29.5#
253	6.6	18.6	28.0#



Sample Information

Client Sample ID: **HVAC SW East 1-3** **Sample ID: 25H1535-07RE1**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C | Results Reported to MDL | % Solids: 91.72

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
218-01-9	**Chrysene**	1.24		mg/kg dry	0.221	0.111	5	EPA 8270E	08/26/2025 09:21	09/02/2025 14:34	SS
129-00-0	**Pyrene**	2.22		mg/kg dry	0.221	0.111	5	EPA 8270E	08/26/2025 09:21	09/02/2025 14:34	SS
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*51.6 %*			*19-110*						
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*34.6 %*			*21-113*						
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*36.7 %*			*20-108*						
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*32.8 %*			*22-108*						
13127-88-3	*Surrogate: SURR: Phenol-d6*	*32.6 %*			*23-114*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*43.0 %*			*24-116*						

Sample Information

Client Sample ID: **HVAC SW West 1-3** **Sample ID: 25H1535-08**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C | Results Reported to MDL | % Solids: 89.43

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.186	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND	CCVE	mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.186	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.186	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
91-57-6	**2-Methylnaphthalene**	0.245		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.186	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
65794-96-9	* 3- & 4-Methylphenols	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.186	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.186	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.186	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.186	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
83-32-9	**Acenaphthene**	0.0973		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
208-96-8	**Acenaphthylene**	0.337		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
98-86-2	Acetophenone	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
62-53-3	Aniline	ND		mg/kg dry	0.372	0.186	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
120-12-7	**Anthracene**	0.382		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS

Sample Information

Client Sample ID: **HVAC SW West 1-3** **Sample ID: 25H1535-08**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C | Results Reported to MDL | % Solids: 89.43

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
92-87-5	Benzidine	ND		mg/kg dry	0.372	0.186	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
56-55-3	**Benzo(a)anthracene**	0.673		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
50-32-8	**Benzo(a)pyrene**	0.577	CCVE	mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
205-99-2	**Benzo(b)fluoranthene**	0.339		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
191-24-2	**Benzo(g,h,i)perylene**	0.383	CCVE	mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
207-08-9	**Benzo(k)fluoranthene**	0.411	CCVE	mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
65-85-0	Benzoic acid	ND	CAL-E	mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
111-44-4	Bis(2-chloroethyl)ether	ND	CCVE	mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
105-60-2	Caprolactam	ND		mg/kg dry	0.186	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
86-74-8	Carbazole	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
218-01-9	**Chrysene**	0.789		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
53-70-3	**Dibenzo(a,h)anthracene**	0.109	CCVE	mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
132-64-9	**Dibenzofuran**	0.0535	J	mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
122-39-4	Diphenylamine	ND		mg/kg dry	0.186	0.0929	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
206-44-0	**Fluoranthene**	0.744		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
86-73-7	**Fluorene**	0.281		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
193-39-5	**Indeno(1,2,3-cd)pyrene**	0.238	CCVE	mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
78-59-1	Isophorone	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
91-20-3	**Naphthalene**	0.200		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
62-75-9	N-Nitrosodimethylamine	ND	CCVE	mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS

Sample Information

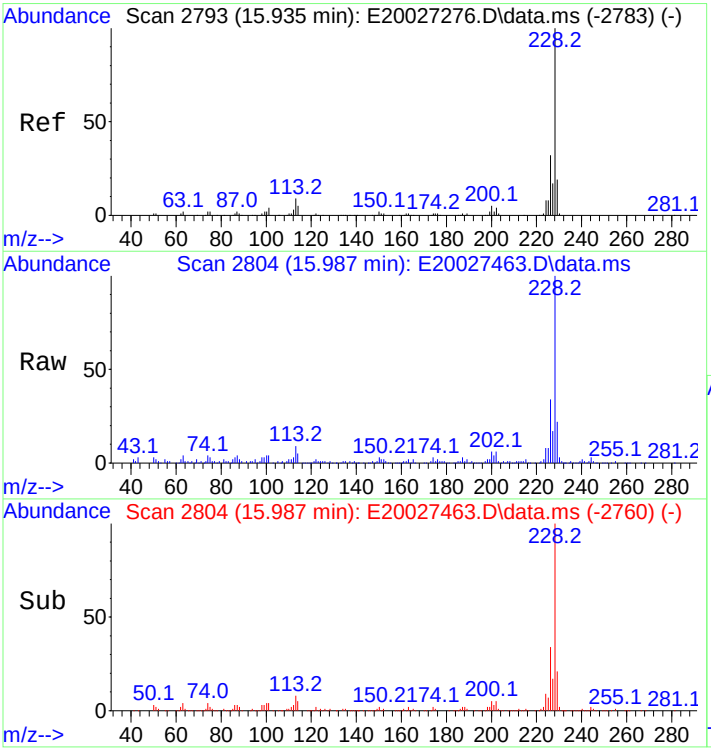
Client Sample ID: **HVAC SW West 1-3** **Sample ID: 25H1535-08**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C | Results Reported to MDL | % Solids: 89.43

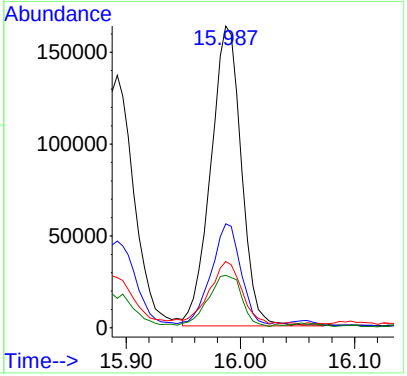
CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
87-86-5	Pentachlorophenol	ND	CAL-E, CCVE	mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
85-01-8	**Phenanthrene**	1.15		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
108-95-2	Phenol	ND		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
129-00-0	**Pyrene**	2.06		mg/kg dry	0.0929	0.0466	2	EPA 8270E	08/26/2025 09:21	08/29/2025 21:32	SS
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*44.5 %*			*19-110*						
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*34.2 %*			*21-113*						
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*38.5 %*			*20-108*						
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*36.4 %*			*22-108*						
13127-88-3	*Surrogate: SURR: Phenol-d6*	*35.4 %*			*23-114*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*43.1 %*			*24-116*						

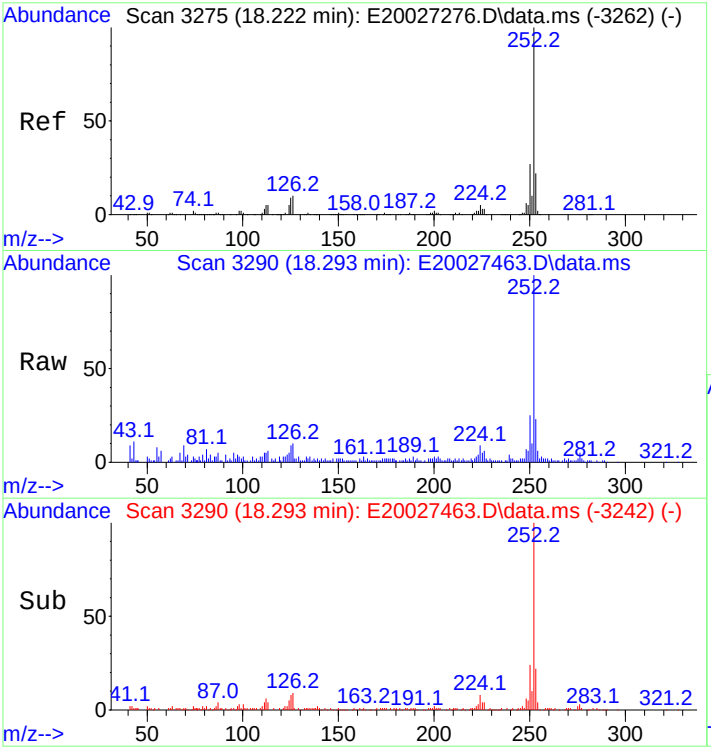


#87
Chrysene
Concen: 10.62 ug/mL
RT: 15.987 min Scan# 2804
Delta R.T. 0.057 min
Lab File: E20027463.D
Acq: 29 Aug 2025 9:32 pm

Tgt Ion:228 Resp: 303452

Ion	Ratio	Lower	Upper
228	100		
226	33.1	23.3	43.3
229	21.9	13.8	25.6
227	18.8	12.6	23.4



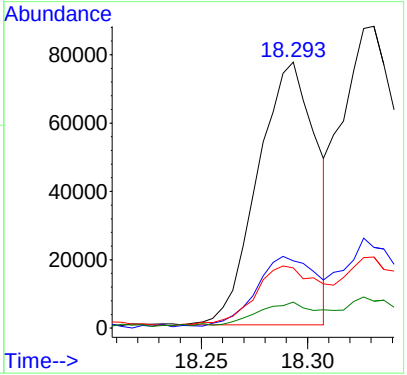


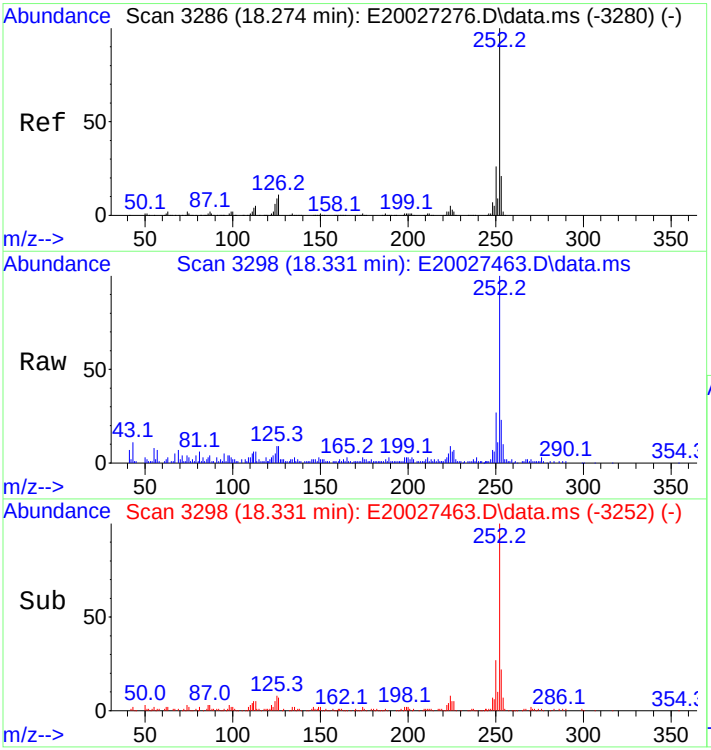
#89
Benzo(b)fluoranthene
Concen: 4.56 ug/mL
RT: 18.293 min Scan# 3290
Delta R.T. 0.076 min
Lab File: E20027463.D
Acq: 29 Aug 2025 9:32 pm

Tgt Ion:252 Resp: 146966

Ion	Ratio	Lower	Upper
252	100		
250	27.6	18.8	34.8
253	26.4	15.4	28.6
126	9.7	7.6	14.2

not well resolved from benzo(k) isomer, qualify J:IN



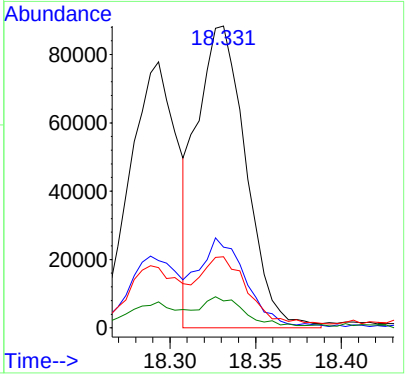


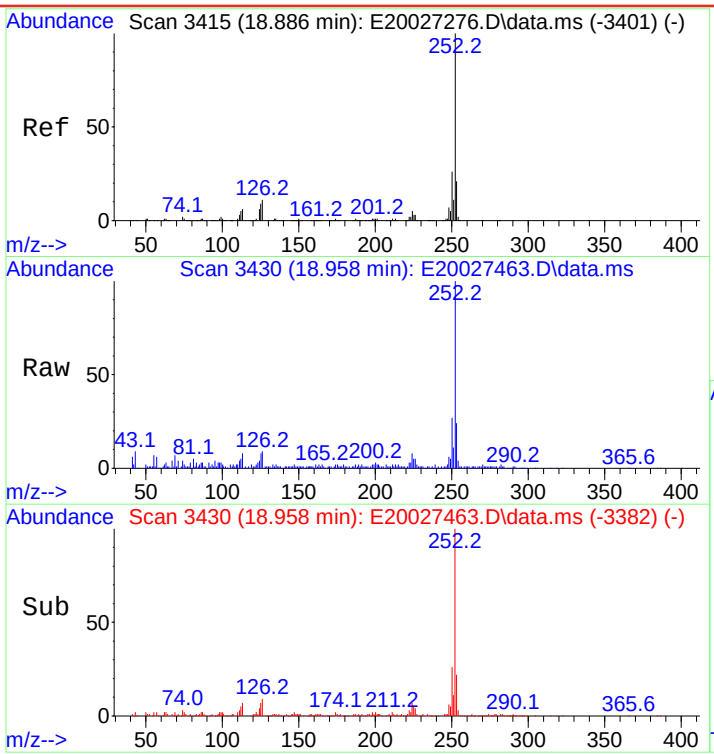
#90
Benzo(k)fluoranthene
Concen: 5.53 ug/mL m
RT: 18.331 min Scan# 3298
Delta R.T. 0.066 min
Lab File: E20027463.D
Acq: 29 Aug 2025 9:32 pm

Tgt Ion:252 Resp: 176604

Ion	Ratio	Lower	Upper
252	100		
250	23.6	18.9	35.1
253	22.0	15.1	28.1
126	8.1	8.1	15.1#

not well resolved from benzo(b) isomer, qualify J:IN

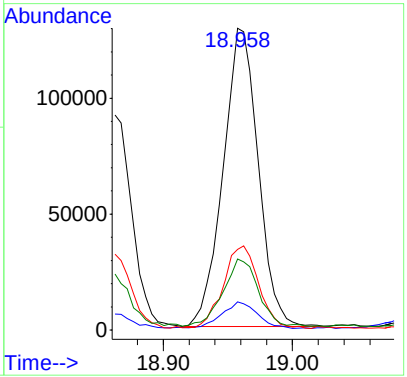




#91
Benzo(a)pyrene
Concen: 7.77 ug/mL
RT: 18.958 min Scan# 3430
Delta R.T. 0.076 min
Lab File: E20027463.D
Acq: 29 Aug 2025 9:32 pm

Tgt Ion:252 Resp: 242601

Ion	Ratio	Lower	Upper
252	100		
126	8.7	7.6	14.2
250	27.8	19.5	36.1
253	22.9	15.4	28.6



Sample Information

Client Sample ID: **HVAC Bottom 3 ft** **Sample ID: 25H1535-09**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C | Results Reported to MDL | % Solids: 91.50

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.179	0.0897	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND	CCVE	mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.179	0.0897	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.179	0.0897	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
91-57-6	**2-Methylnaphthalene**	0.0688	J	mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.179	0.0897	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
65794-96-9	* 3- & 4-Methylphenols	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.179	0.0897	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.179	0.0897	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.179	0.0897	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.179	0.0897	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
83-32-9	Acenaphthene	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
208-96-8	**Acenaphthylene**	0.303		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
98-86-2	Acetophenone	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
62-53-3	Aniline	ND		mg/kg dry	0.359	0.180	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
120-12-7	**Anthracene**	0.273		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS

Sample Information

Client Sample ID: **HVAC Bottom 3 ft** **Sample ID: 25H1535-09**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C | Results Reported to MDL | % Solids: 91.50

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
92-87-5	Benzidine	ND		mg/kg dry	0.359	0.180	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
56-55-3	**Benzo(a)anthracene**	0.495		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
50-32-8	**Benzo(a)pyrene**	0.477	CCVE	mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
205-99-2	**Benzo(b)fluoranthene**	0.285		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
191-24-2	**Benzo(g,h,i)perylene**	0.328	CCVE	mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
207-08-9	**Benzo(k)fluoranthene**	0.311	CCVE	mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
65-85-0	Benzoic acid	ND	CAL-E	mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
111-44-4	Bis(2-chloroethyl)ether	ND	CCVE	mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
105-60-2	Caprolactam	ND		mg/kg dry	0.179	0.0897	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
86-74-8	Carbazole	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
218-01-9	**Chrysene**	0.559		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
53-70-3	**Dibenzo(a,h)anthracene**	0.0975	CCVE	mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
122-39-4	Diphenylamine	ND		mg/kg dry	0.179	0.0897	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
206-44-0	**Fluoranthene**	0.436		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
86-73-7	**Fluorene**	0.0767	J	mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
193-39-5	**Indeno(1,2,3-cd)pyrene**	0.194	CCVE	mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
78-59-1	Isophorone	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
91-20-3	**Naphthalene**	0.0595	J	mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
62-75-9	N-Nitrosodimethylamine	ND	CCVE	mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS

Sample Information

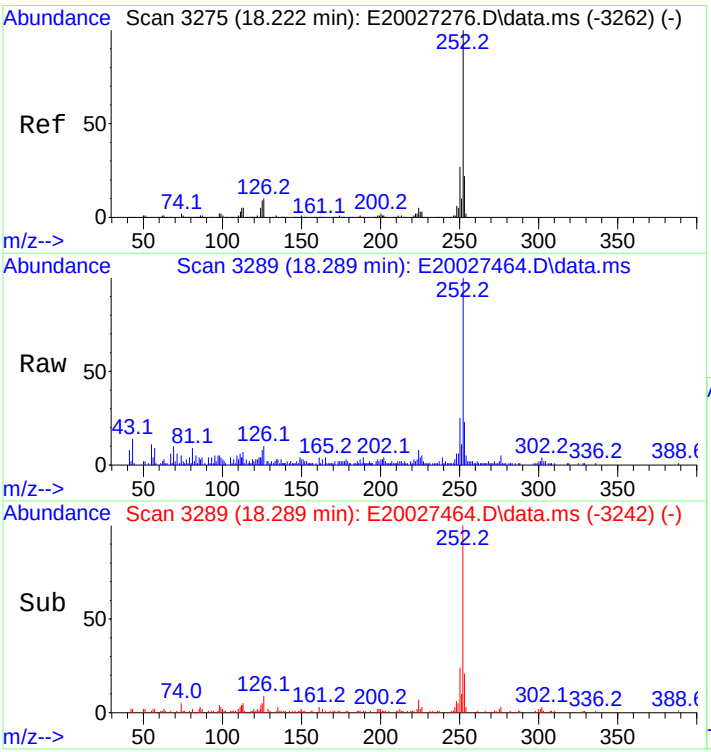
Client Sample ID: **HVAC Bottom 3 ft** **Sample ID: 25H1535-09**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C | Results Reported to MDL | % Solids: 91.50

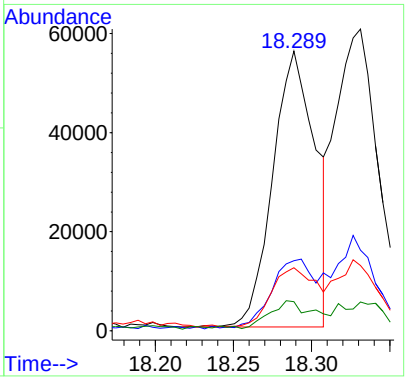
CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
87-86-5	Pentachlorophenol	ND	CAL-E, CCVE	mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
85-01-8	**Phenanthrene**	0.403		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
108-95-2	Phenol	ND		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
129-00-0	**Pyrene**	1.30		mg/kg dry	0.0897	0.0449	2	EPA 8270E	08/26/2025 09:21	08/29/2025 22:03	SS
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*53.8 %*			*19-110*						
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*42.7 %*			*21-113*						
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*47.6 %*			*20-108*						
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*45.9 %*			*22-108*						
13127-88-3	*Surrogate: SURR: Phenol-d6*	*44.2 %*			*23-114*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*56.2 %*			*24-116*						



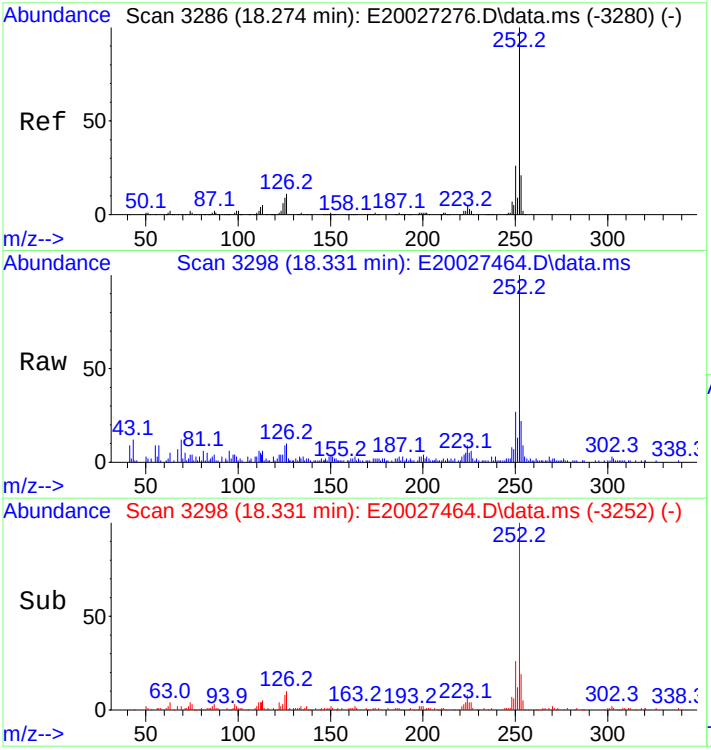
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Benzo(b)fluoranthene
Concen: 3.98 ug/mL
RT: 18.289 min Scan# 3289
Delta R.T. 0.072 min
Lab File: E20027464.D
Acq: 29 Aug 2025 10:03 pm

Tgt Ion:252 Resp: 105451

Ion	Ratio	Lower	Upper
252	100		
250	24.1	18.8	34.8
253	22.3	15.4	28.6
126	11.3	7.6	14.2



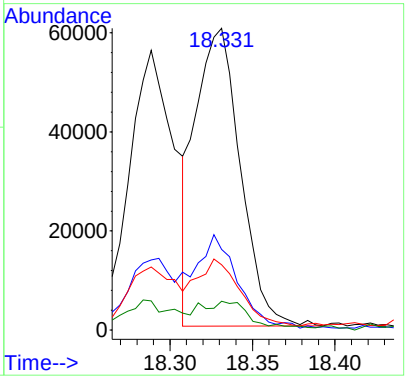
isomers not well resolved, qualify both J:IN



#90
Benzo(k)fluoranthene
Concen: 4.34 ug/mL
RT: 18.331 min Scan# 3298
Delta R.T. 0.066 min
Lab File: E20027464.D
Acq: 29 Aug 2025 10:03 pm

Tgt Ion:252 Resp: 114111

Ion	Ratio	Lower	Upper
252	100		
250	26.1	18.9	35.1
253	21.8	15.1	28.1
126	9.1	8.1	15.1



Sample Information

Client Sample ID: HVAC DUP **Sample ID: 25H1535-10**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C | Results Reported to MDL | % Solids: 88.88

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.185	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.185	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.185	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
91-57-6	**2-Methylnaphthalene**	0.178		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.185	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
65794-96-9	* 3- & 4-Methylphenols	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.185	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.185	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.185	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.185	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
83-32-9	Acenaphthene	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
208-96-8	**Acenaphthylene**	0.160		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
98-86-2	Acetophenone	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
62-53-3	Aniline	ND		mg/kg dry	0.371	0.185	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
120-12-7	**Anthracene**	0.155		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS

Sample Information

Client Sample ID: **HVAC DUP** **Sample ID: 25H1535-10**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C | Results Reported to MDL | % Solids: 88.88

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
92-87-5	Benzidine	ND		mg/kg dry	0.371	0.185	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
56-55-3	**Benzo(a)anthracene**	0.465		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
50-32-8	**Benzo(a)pyrene**	0.473		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
205-99-2	**Benzo(b)fluoranthene**	0.319		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
191-24-2	**Benzo(g,h,i)perylene**	0.353		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
207-08-9	**Benzo(k)fluoranthene**	0.309		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
65-85-0	Benzoic acid	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
105-60-2	Caprolactam	ND		mg/kg dry	0.185	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
86-74-8	Carbazole	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
218-01-9	**Chrysene**	0.525		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
53-70-3	**Dibenzo(a,h)anthracene**	0.0807	J	mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
122-39-4	Diphenylamine	ND		mg/kg dry	0.185	0.0926	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
206-44-0	**Fluoranthene**	0.452		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
86-73-7	**Fluorene**	0.0748	J	mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
193-39-5	**Indeno(1,2,3-cd)pyrene**	0.201		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
78-59-1	Isophorone	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
91-20-3	**Naphthalene**	0.233		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS

Sample Information

Client Sample ID: **HVAC DUP** **Sample ID: 25H1535-10**

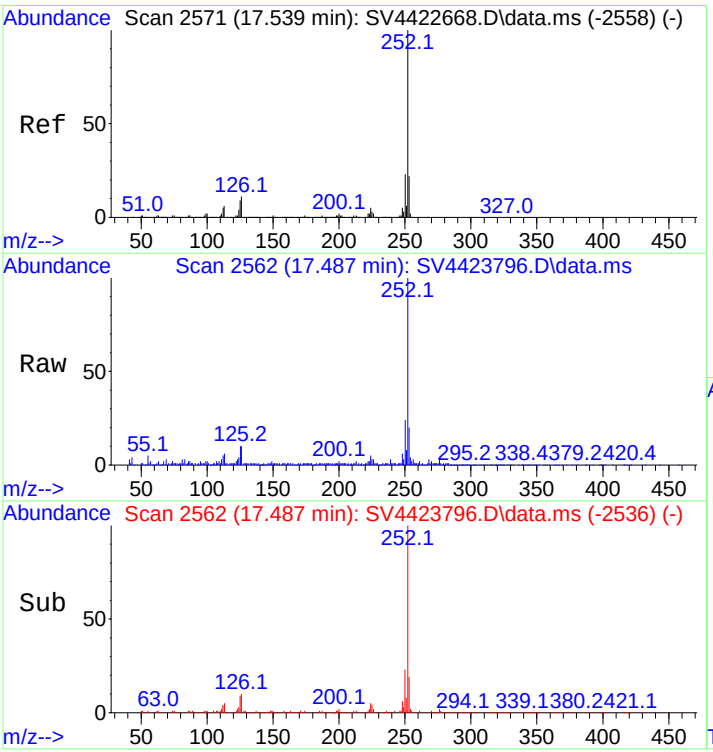
Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C | Results Reported to MDL | % Solids: 88.88

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
85-01-8	**Phenanthrene**	0.301		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
108-95-2	Phenol	ND		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
129-00-0	**Pyrene**	0.983		mg/kg dry	0.0926	0.0464	2	EPA 8270E	08/26/2025 09:04	08/28/2025 00:44	SS
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*95.1 %*			*19-110*						
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*86.1 %*			*21-113*						
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*107 %*			*20-108*						
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*82.2 %*			*22-108*						
13127-88-3	*Surrogate: SURR: Phenol-d6*	*85.5 %*			*23-114*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*92.8 %*			*24-116*						

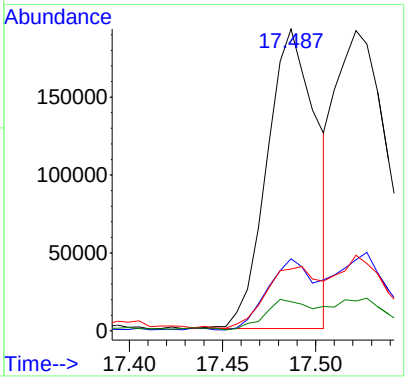


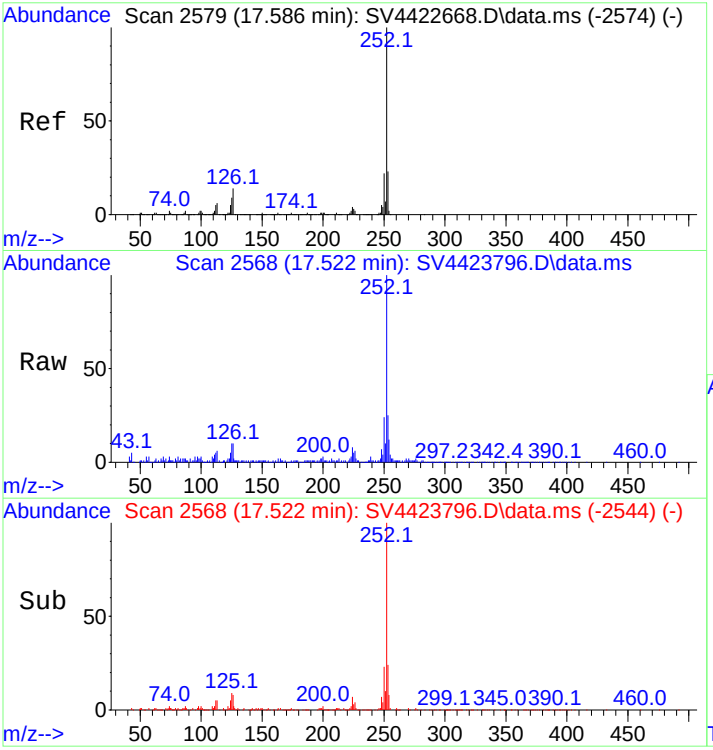


#90
Benzo(b)fluoranthene
Concen: 4.31 ug/mL
RT: 17.487 min Scan# 2562
Delta R.T. -0.000 min
Lab File: SV4423796.D
Acq: 28 Aug 2025 12:44 am

Tgt Ion:252 Resp: 355032

Ion	Ratio	Lower	Upper
252	100		
250	20.4	19.2	28.8
253	22.2	19.0	28.4
126	8.9	8.7	13.1

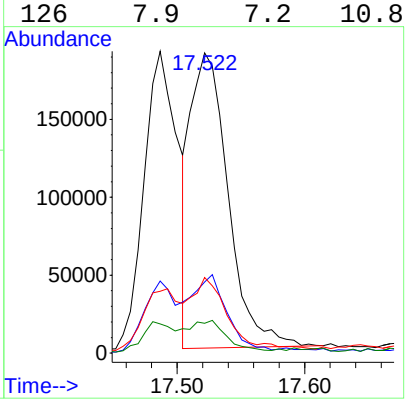




#91
Benzo(k)fluoranthene
Concen: 4.18 ug/mL
RT: 17.522 min Scan# 2568
Delta R.T. -0.011 min
Lab File: SV4423796.D
Acq: 28 Aug 2025 12:44 am

Tgt Ion:252 Resp: 390831

Ion	Ratio	Lower	Upper
252	100		
250	22.8	15.8	23.8
253	23.1	15.6	23.4
126	7.9	7.2	10.8



isomers not resolved, qualify both J:IN

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2722	Instrument:	BNA#2
Batch:	BH51930	Calibration:	SH50050

Surrogate Compound	Spike Level mg/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (BH51930-BLK1)			Lab File ID: E20027360.D		Analyzed: 08/27/25 13:31			
SURR: 2-Fluorophenol	1.67	50.1	20 - 108	4.614	4.601714	0.0123	+/-0.50	
SURR: Phenol-d6	1.67	45.3	23 - 114	5.264	5.251143	0.0129	+/-0.50	
SURR: Nitrobenzene-d5	0.833	48.2	22 - 108	5.933	5.928	0.0050	+/-0.50	
SURR: 2-Fluorobiphenyl	0.833	43.1	21 - 113	7.385	7.375	0.0100	+/-0.50	
SURR: 2,4,6-Tribromophenol	1.67	59.3	19 - 110	9.231	9.208428	0.0226	+/-0.50	
SURR: Terphenyl-d14	0.833	50.5	24 - 116	13.544	13.51186	0.0321	+/-0.50	
LCS (BH51930-BS1)			Lab File ID: E20027361.D		Analyzed: 08/27/25 14:02			
SURR: 2-Fluorophenol	1.67	77.7	20 - 108	4.614	4.601714	0.0123	+/-0.50	
SURR: Phenol-d6	1.67	75.7	23 - 114	5.264	5.251143	0.0129	+/-0.50	
SURR: Nitrobenzene-d5	0.833	73.4	22 - 108	5.933	5.928	0.0050	+/-0.50	
SURR: 2-Fluorobiphenyl	0.833	76.4	21 - 113	7.385	7.375	0.0100	+/-0.50	
SURR: 2,4,6-Tribromophenol	1.67	96.6	19 - 110	9.231	9.208428	0.0226	+/-0.50	
SURR: Terphenyl-d14	0.833	92.7	24 - 116	13.544	13.51186	0.0321	+/-0.50	
HVAC DUP (25H1535-10)			Lab File ID: SV4423796.D		Analyzed: 08/28/25 00:44			
SURR: 2-Fluorophenol	1.85	107	20 - 108	4.408	4.409	-0.0010	+/-0.50	
SURR: Phenol-d6	1.85	85.5	23 - 114	5.205	5.2	0.0050	+/-0.50	
SURR: Nitrobenzene-d5	0.925	82.2	22 - 108	5.961	5.950667	0.0103	+/-0.50	
SURR: 2-Fluorobiphenyl	0.925	86.1	21 - 113	7.602	7.596	0.0060	+/-0.50	
SURR: 2,4,6-Tribromophenol	1.85	95.1	19 - 110	9.51	9.51	0.0000	+/-0.50	
SURR: Terphenyl-d14	0.925	92.8	24 - 116	12.978	12.974	0.0040	+/-0.50	

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2832	Instrument:	BNA #4
Batch:	BH51937	Calibration:	SH50055

Surrogate Compound	Spike Level mg/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (BH51937-BLK1)			Lab File ID: SV4423799.D		Analyzed: 08/28/25 02:13			
SURR: 2-Fluorophenol	1.66	85.7	20 - 108	4.408	4.409	-0.0010	+/-0.50	
SURR: Phenol-d6	1.66	68.2	23 - 114	5.205	5.2	0.0050	+/-0.50	
SURR: Nitrobenzene-d5	0.831	54.8	22 - 108	5.961	5.950667	0.0103	+/-0.50	
SURR: 2-Fluorobiphenyl	0.831	59.4	21 - 113	7.602	7.596	0.0060	+/-0.50	
SURR: 2,4,6-Tribromophenol	1.66	67.8	19 - 110	9.516	9.51	0.0060	+/-0.50	
SURR: Terphenyl-d14	0.831	67.4	24 - 116	12.978	12.974	0.0040	+/-0.50	
LCS (BH51937-BS1)			Lab File ID: SV4423800.D		Analyzed: 08/28/25 02:43			
SURR: 2-Fluorophenol	1.66	81.1	20 - 108	4.414	4.409	0.0050	+/-0.50	
SURR: Phenol-d6	1.66	67.1	23 - 114	5.199	5.2	-0.0010	+/-0.50	
SURR: Nitrobenzene-d5	0.831	63.8	22 - 108	5.956	5.950667	0.0053	+/-0.50	
SURR: 2-Fluorobiphenyl	0.831	65.5	21 - 113	7.596	7.596	0.0000	+/-0.50	
SURR: 2,4,6-Tribromophenol	1.66	70.6	19 - 110	9.516	9.51	0.0060	+/-0.50	
SURR: Terphenyl-d14	0.831	62.1	24 - 116	12.978	12.974	0.0040	+/-0.50	
Matrix Spike Dup (BH51937-MSD1)			Lab File ID: SV4423826.D		Analyzed: 08/28/25 21:50			
SURR: 2-Fluorophenol	1.82	78.6	20 - 108	4.414	4.409	0.0050	+/-0.50	
SURR: Phenol-d6	1.82	68.3	23 - 114	5.205	5.2	0.0050	+/-0.50	
SURR: Nitrobenzene-d5	0.911	64.1	22 - 108	5.955	5.950667	0.0043	+/-0.50	
SURR: 2-Fluorobiphenyl	0.911	61.8	21 - 113	7.596	7.596	0.0000	+/-0.50	
SURR: 2,4,6-Tribromophenol	1.82	67.1	19 - 110	9.516	9.51	0.0060	+/-0.50	
SURR: Terphenyl-d14	0.911	57.1	24 - 116	12.983	12.974	0.0090	+/-0.50	
HVAC SW North 1-3 (25H1535-05)			Lab File ID: SV4423833.D		Analyzed: 08/29/25 01:16			
SURR: 2-Fluorophenol	1.84	63.0	20 - 108	4.414	4.409	0.0050	+/-0.50	
SURR: Phenol-d6	1.84	48.6	23 - 114	5.205	5.2	0.0050	+/-0.50	
SURR: Nitrobenzene-d5	0.918	47.7	22 - 108	5.967	5.950667	0.0163	+/-0.50	
SURR: 2-Fluorobiphenyl	0.918	47.4	21 - 113	7.596	7.596	0.0000	+/-0.50	
SURR: 2,4,6-Tribromophenol	1.84	56.9	19 - 110	9.516	9.51	0.0060	+/-0.50	
SURR: Terphenyl-d14	0.918	57.6	24 - 116	12.989	12.974	0.0150	+/-0.50	

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2904	Instrument:	BNA #4
Batch:	BH51937	Calibration:	SH50055

Surrogate Compound	Spike Level mg/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
HVAC SW South 1-3 (25H1535-06)			Lab File ID: SV4423834.D		Analyzed: 08/29/25 01:45			
SURR: 2-Fluorophenol	1.79	67.5	20 - 108	4.408	4.409	-0.0010	+/-0.50	
SURR: Phenol-d6	1.79	53.0	23 - 114	5.205	5.2	0.0050	+/-0.50	
SURR: Nitrobenzene-d5	0.895	51.8	22 - 108	5.967	5.950667	0.0163	+/-0.50	
SURR: 2-Fluorobiphenyl	0.895	55.4	21 - 113	7.602	7.596	0.0060	+/-0.50	
SURR: 2,4,6-Tribromophenol	1.79	64.7	19 - 110	9.516	9.51	0.0060	+/-0.50	
SURR: Terphenyl-d14	0.895	68.2	24 - 116	12.989	12.974	0.0150	+/-0.50	
Matrix Spike (BH51937-MS1)			Lab File ID: SV4423835.D		Analyzed: 08/29/25 02:15			
SURR: 2-Fluorophenol	1.82	61.2	20 - 108	4.414	4.409	0.0050	+/-0.50	
SURR: Phenol-d6	1.82	51.5	23 - 114	5.205	5.2	0.0050	+/-0.50	
SURR: Nitrobenzene-d5	0.908	51.8	22 - 108	5.955	5.950667	0.0043	+/-0.50	
SURR: 2-Fluorobiphenyl	0.908	49.6	21 - 113	7.602	7.596	0.0060	+/-0.50	
SURR: 2,4,6-Tribromophenol	1.82	55.6	19 - 110	9.516	9.51	0.0060	+/-0.50	
SURR: Terphenyl-d14	0.908	55.5	24 - 116	12.989	12.974	0.0150	+/-0.50	
HVAC SW West 1-3 (25H1535-08)			Lab File ID: E20027463.D		Analyzed: 08/29/25 21:32			
SURR: 2-Fluorophenol	1.86	38.5	20 - 108	4.618	4.601714	0.0163	+/-0.50	
SURR: Phenol-d6	1.86	35.4	23 - 114	5.268	5.251143	0.0169	+/-0.50	
SURR: Nitrobenzene-d5	0.929	36.4	22 - 108	5.938	5.928	0.0100	+/-0.50	
SURR: 2-Fluorobiphenyl	0.929	34.2	21 - 113	7.389	7.375	0.0140	+/-0.50	
SURR: 2,4,6-Tribromophenol	1.86	44.5	19 - 110	9.235	9.208428	0.0266	+/-0.50	
SURR: Terphenyl-d14	0.929	43.1	24 - 116	13.548	13.51186	0.0361	+/-0.50	
HVAC Bottom 3 ft (25H1535-09)			Lab File ID: E20027464.D		Analyzed: 08/29/25 22:03			
SURR: 2-Fluorophenol	1.79	47.6	20 - 108	4.619	4.601714	0.0173	+/-0.50	
SURR: Phenol-d6	1.79	44.2	23 - 114	5.269	5.251143	0.0179	+/-0.50	
SURR: Nitrobenzene-d5	0.896	45.9	22 - 108	5.938	5.928	0.0100	+/-0.50	
SURR: 2-Fluorobiphenyl	0.896	42.7	21 - 113	7.39	7.375	0.0150	+/-0.50	
SURR: 2,4,6-Tribromophenol	1.79	53.8	19 - 110	9.235	9.208428	0.0266	+/-0.50	
SURR: Terphenyl-d14	0.896	56.2	24 - 116	13.553	13.51186	0.0411	+/-0.50	



FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H3105	Instrument:	BNA#6
Batch:	BH51937	Calibration:	SG50013

Surrogate Compound	Spike Level mg/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
HVAC SW North 1-3 (25H1535-05RE1)			Lab File ID: SV68798.D		Analyzed: 08/29/25 22:48			
SURR: 2-Fluorophenol	1.84	30.8	20 - 108	3.94	3.9	0.0400	+/-0.50	
SURR: Phenol-d6	1.84	17.2	23 - 114	4.71	4.5825	0.1275	+/-0.50	*
SURR: Nitrobenzene-d5	0.918	19.6	22 - 108	5.32	5.26	0.0600	+/-0.50	*
SURR: 2-Fluorobiphenyl	0.918	49.8	21 - 113	6.63	6.62	0.0100	+/-0.50	
SURR: 2,4,6-Tribromophenol	1.84	38.9	19 - 110	8.27	8.24	0.0300	+/-0.50	
SURR: Terphenyl-d14	0.918	63.8	24 - 116	12.47	12.46	0.0100	+/-0.50	
HVAC SW East 1-3 (25H1535-07)			Lab File ID: BNA1-035231.D		Analyzed: 08/30/25 18:30			
SURR: 2-Fluorophenol	1.76	49.1	20 - 108	4.448	4.44225	0.0058	+/-0.50	
SURR: Phenol-d6	1.76	45.7	23 - 114	5.221	5.210625	0.0104	+/-0.50	
SURR: Nitrobenzene-d5	0.882	45.6	22 - 108	6	5.994	0.0060	+/-0.50	
SURR: 2-Fluorobiphenyl	0.882	47.2	21 - 113	7.668	7.66425	0.0038	+/-0.50	
SURR: 2,4,6-Tribromophenol	1.76	65.8	19 - 110	9.58	9.57775	0.0023	+/-0.50	
SURR: Terphenyl-d14	0.882	51.8	24 - 116	13.084	13.06775	0.0162	+/-0.50	
HVAC SW East 1-3 (25H1535-07RE1)			Lab File ID: E20027545.D		Analyzed: 09/02/25 14:34			
SURR: 2-Fluorophenol	1.76	36.7	20 - 108	4.628	4.601714	0.0263	+/-0.50	
SURR: Phenol-d6	1.76	32.6	23 - 114	5.283	5.251143	0.0319	+/-0.50	
SURR: Nitrobenzene-d5	0.882	32.8	22 - 108	5.938	5.928	0.0100	+/-0.50	
SURR: 2-Fluorobiphenyl	0.882	34.6	21 - 113	7.39	7.375	0.0150	+/-0.50	
SURR: 2,4,6-Tribromophenol	1.76	51.6	19 - 110	9.24	9.208428	0.0316	+/-0.50	
SURR: Terphenyl-d14	0.882	43.0	24 - 116	13.553	13.51186	0.0411	+/-0.50	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270E

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51937	Laboratory ID:	BH51937-MS1
Preparation:	EPA 3550C	Initial/Final:	30.1 g / 1 mL

evaluated for qualification only

Source Sample Name: 25H1535-09

sample 9 is the parent sample of FD (Sample 10) so qualification applies for sample 10 as well ✔

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. #	QC LIMITS REC.	Q
1,1-Biphenyl	0.908	ND	0.487	53.6	10 - 130	
1,2,4,5-Tetrachlorobenzene	0.908	ND	0.523	57.6	10 - 133	
1,2,4-Trichlorobenzene	0.908	ND	0.479	52.8	10 - 127	
1,2-Dichlorobenzene	0.908	ND	0.415	45.8	14 - 111	
1,2-Diphenylhydrazine (as Azobenzene)	0.908	ND	0.468	51.5	10 - 144	
1,3-Dichlorobenzene	0.908	ND	0.448	49.4	11 - 111	
1,4-Dichlorobenzene	0.908	ND	0.448	49.4	10 - 106	
2,3,4,6-Tetrachlorophenol	0.908	ND	0.463	51.0	30 - 130	
2,4,5-Trichlorophenol	0.908	ND	0.483	53.2	10 - 127	
2,4,6-Trichlorophenol	0.908	ND	0.489	53.8	10 - 132	
2,4-Dichlorophenol	0.908	ND	0.540	59.4	10 - 128	
2,4-Dimethylphenol	0.908	ND	0.532	58.6	10 - 137	
2,4-Dinitrophenol	0.908	ND	ND	*	10 - 171	
2,4-Dinitrotoluene	0.908	ND	0.383	42.2	16 - 135	
2,6-Dinitrotoluene	0.908	ND	0.383	42.2	18 - 131	
2-Chloronaphthalene	0.908	ND	0.460	50.7	10 - 129	
2-Chlorophenol	0.908	ND	0.489	53.8	15 - 116	
2-Methylnaphthalene	0.908	0.0688	0.535	51.4	10 - 147	
2-Methylphenol	0.908	ND	0.492	54.2	10 - 136	
2-Nitroaniline	0.908	ND	0.580	63.8	10 - 137	
2-Nitrophenol	0.908	ND	0.362	39.8	10 - 129	
3- & 4-Methylphenols	0.908	ND	0.411	45.3	10 - 123	
3,3-Dichlorobenzidine	0.908	ND	0.362	39.8	10 - 155	
3-Nitroaniline	0.908	ND	0.507	55.8	12 - 133	
4,6-Dinitro-2-methylphenol	0.908	ND	0.303	33.4	10 - 155	
4-Bromophenyl phenyl ether	0.908	ND	0.471	51.8	14 - 128	
4-Chloro-3-methylphenol	0.908	ND	0.554	61.0	10 - 134	
4-Chloroaniline	0.908	ND	0.418	46.0	10 - 145	

parent MDL=0.0897 mg/kg
lower acceptance limit (0.0908)>MDL
lower rejection limit (0.0454)<MDL,
qualify UJ:MS-

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270E

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51937	Laboratory ID:	BH51937-MS1
Preparation:	EPA 3550C	Initial/Final:	30.1 g / 1 mL

Source Sample Name: 25H1535-09

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. #	QC LIMITS REC.	Q
4-Chlorophenyl phenyl ether	0.908	ND	0.450	49.6	14 - 130	
4-Nitroaniline	0.908	ND	0.614	67.6	10 - 147	
4-Nitrophenol	0.908	ND	0.480	52.9	10 - 137	
Acenaphthene	0.908	ND	0.485	53.4	10 - 146	
Acenaphthylene	0.908	0.303	0.610	33.8	10 - 134	
Acetophenone	0.908	ND	0.496	54.6	10 - 116	
Aniline	0.908	ND	0.251	27.7	10 - 123	J
Anthracene	0.908	0.273	0.585	34.3	10 - 142	
Atrazine	0.908	ND	0.536	59.0	19 - 115	
Benzaldehyde	0.908	ND	0.373	41.1	10 - 125	
Benzo(a)anthracene	0.908	0.495	1.02	57.7	10 - 158	
Benzo(a)pyrene	0.908	0.477	0.866	42.9	10 - 180	
Benzo(b)fluoranthene	0.908	0.285	0.859	63.2	10 - 200	
Benzo(g,h,i)perylene	0.908	0.328	0.811	53.2	10 - 138	
Benzo(k)fluoranthene	0.908	0.311	0.757	49.2	10 - 197	
Benzoic acid	0.908	ND	0.187	20.6	10 - 166	
Benzyl alcohol	0.908	ND	0.454	50.0	12 - 124	
Benzyl butyl phthalate	0.908	ND	0.524	57.8	10 - 154	
Bis(2-chloroethoxy)methane	0.908	ND	0.505	55.6	10 - 132	
Bis(2-chloroethyl)ether	0.908	ND	0.541	59.6	10 - 119	
Bis(2-chloroisopropyl)ether	0.908	ND	0.465	51.3	10 - 139	
Bis(2-ethylhexyl)phthalate	0.908	ND	0.531	58.5	10 - 167	
Caprolactam	0.908	ND	0.617	68.0	10 - 132	
Carbazole	0.908	ND	0.470	51.8	10 - 167	
Chrysene	0.908	0.559	1.06	54.9	10 - 156	
Dibenzo(a,h)anthracene	0.908	0.0975	0.545	49.3	10 - 137	
Dibenzofuran	0.908	ND	0.475	52.3	10 - 147	
Diethyl phthalate	0.908	ND	0.473	52.1	20 - 120	
Dimethyl phthalate	0.908	ND	0.484	53.3	18 - 131	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270E

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51937	Laboratory ID:	BH51937-MS1
Preparation:	EPA 3550C	Initial/Final:	30.1 g / 1 mL

Source Sample Name: 25H1535-09

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. #	QC LIMITS REC.	Q
Di-n-butyl phthalate	0.908	ND	0.483	53.2	10 - 137	
Di-n-octyl phthalate	0.908	ND	0.503	55.4	10 - 180	
Diphenylamine	0.908	ND	0.577	63.6	40 - 140	
Fluoranthene	0.908	0.436	0.937	55.2	10 - 160	
Fluorene	0.908	0.0767	0.544	51.5	10 - 157	
Hexachlorobenzene	0.908	ND	0.481	53.0	10 - 137	
Hexachlorobutadiene	0.908	ND	0.503	55.4	10 - 132	
Hexachlorocyclopentadiene	0.908	ND	0.845	93.1	10 - 106	
Hexachloroethane	0.908	ND	0.378	41.7	10 - 110	
Indeno(1,2,3-cd)pyrene	0.908	0.194	0.611	46.0	10 - 144	
Isophorone	0.908	ND	0.537	59.2	10 - 132	
Naphthalene	0.908	0.0595	0.570	56.2	10 - 141	
Nitrobenzene	0.908	ND	0.450	49.6	10 - 131	
N-Nitrosodimethylamine	0.908	ND	0.399	43.9	10 - 126	
N-nitroso-di-n-propylamine	0.908	ND	0.492	54.2	10 - 125	
N-Nitrosodiphenylamine	0.908	ND	0.635	70.0	10 - 177	
Pentachlorophenol	0.908	ND	0.492	54.2	10 - 153	
Phenanthrene	0.908	0.403	0.734	36.5	10 - 148	
Phenol	0.908	ND	0.458	50.4	10 - 126	
Pyrene	0.908	1.30	1.59	32.1	10 - 165	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270E

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51937	Laboratory ID:	BH51937-MSD1
Preparation:	EPA 3550C	Initial/Final:	30 g / 1 mL

Source Sample Name: 25H1535-09

COMPOUND	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
1,1-Biphenyl	0.911	0.608	66.7	22.1	30	10 - 130	
1,2,4,5-Tetrachlorobenzene	0.911	0.657	72.2	22.8	30	10 - 133	
1,2,4-Trichlorobenzene	0.911	0.588	64.6	20.4	30	10 - 127	
1,2-Dichlorobenzene	0.911	0.543	59.6	26.6	30	14 - 111	
1,2-Diphenylhydrazine (as Azobenzene) sample ND	0.911	0.638	70.0	30.7 *	30	10 - 144	
1,3-Dichlorobenzene	0.911	0.538	59.1	18.3	30	11 - 111	
1,4-Dichlorobenzene	0.911	0.586	64.3	26.6	30	10 - 106	
2,3,4,6-Tetrachlorophenol sample ND	0.911	0.645	70.8	32.9 *	30	30 - 130	
2,4,5-Trichlorophenol	0.911	0.573	63.0	17.1	30	10 - 127	
2,4,6-Trichlorophenol	0.911	0.586	64.3	18.1	30	10 - 132	
2,4-Dichlorophenol	0.911	0.642	70.5	17.3	30	10 - 128	
2,4-Dimethylphenol	0.911	0.591	64.9	10.6	30	10 - 137	
2,4-Dinitrophenol	0.911	0.584	64.1		30	10 - 171	
2,4-Dinitrotoluene sample ND	0.911	0.641	70.4	50.5 *	30	16 - 135	
2,6-Dinitrotoluene sample ND	0.911	0.632	69.4	49.2 *	30	18 - 131	
2-Chloronaphthalene	0.911	0.573	62.9	21.7	30	10 - 129	
2-Chlorophenol	0.911	0.615	67.5	22.9	30	15 - 116	
2-Methylnaphthalene	0.911	0.618	60.3	14.3	30	10 - 147	
2-Methylphenol	0.911	0.604	66.3	20.4	30	10 - 136	
2-Nitroaniline	0.911	0.624	68.6	7.46	30	10 - 137	
2-Nitrophenol sample ND	0.911	0.688	75.5	62.2 *	30	10 - 129	
3- & 4-Methylphenols sample ND	0.911	0.574	63.0	33.1 *	30	10 - 123	
3,3-Dichlorobenzidine	0.911	0.417	45.8	14.2	30	10 - 155	
3-Nitroaniline	0.911	0.513	56.3	1.19	30	12 - 133	
4,6-Dinitro-2-methylphenol sample ND	0.911	1.99	218 + *	147 *	30	10 - 155	
4-Bromophenyl phenyl ether	0.911	0.557	61.1	16.8	30	14 - 128	
4-Chloro-3-methylphenol	0.911	0.698	76.6	23.0	30	10 - 134	
4-Chloroaniline	0.911	0.423	46.4	1.20	30	10 - 145	
4-Chlorophenyl phenyl ether	0.911	0.547	60.1	19.4	30	14 - 130	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270E

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51937	Laboratory ID:	BH51937-MSD1
Preparation:	EPA 3550C	Initial/Final:	30 g / 1 mL

Source Sample Name: 25H1535-09

COMPOUND	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
4-Nitroaniline	0.911	0.517	56.8	17.0	30	10 - 147	
4-Nitrophenol	0.911	0.520	57.1	8.04	30	10 - 137	
Acenaphthene	0.911	0.571	62.6	16.2	30	10 - 146	
Acenaphthylene	0.911	0.754	49.5	21.1	30	10 - 134	
Acetophenone	0.911	0.620	68.1	22.2	30	10 - 116	
Aniline	0.911	0.846	92.9	108 *	30	10 - 123	
Anthracene	0.911	0.708	47.8	19.1	30	10 - 142	
Atrazine	0.911	0.666	73.1	21.6	30	19 - 115	
Benzaldehyde	0.911	0.540	59.3	36.5 *	30	10 - 125	
Benzo(a)anthracene	0.911	1.09	65.4	6.82	30	10 - 158	
Benzo(a)pyrene J:MSP	0.911	1.28	88.0	38.4 *	30	10 - 180	
Benzo(b)fluoranthene	0.911	1.13	92.4	26.9	30	10 - 200	
Benzo(g,h,i)perylene J:MSP	0.911	1.44	122	55.9 *	30	10 - 138	
Benzo(k)fluoranthene	0.911	0.992	74.8	26.9	30	10 - 197	
Benzoic acid	0.911	0.230	25.2	20.6	30	10 - 166	
Benzyl alcohol	0.911	0.589	64.7	26.0	30	12 - 124	
Benzyl butyl phthalate	0.911	0.563	61.8	7.16	30	10 - 154	
Bis(2-chloroethoxy)methane	0.911	0.645	70.8	24.4	30	10 - 132	
Bis(2-chloroethyl)ether sample ND	0.911	1.09	120 *	67.3 *	30	10 - 119	
Bis(2-chloroisopropyl)ether sample ND	0.911	0.648	71.1	32.7 *	30	10 - 139	
Bis(2-ethylhexyl)phthalate	0.911	0.575	63.1	7.96	30	10 - 167	
Caprolactam	0.911	0.701	77.0	12.7	30	10 - 132	
Carbazole	0.911	0.562	61.8	17.9	30	10 - 167	
Chrysene	0.911	1.17	66.9	9.94	30	10 - 156	
Dibenzo(a,h)anthracene sample ND	0.911	0.882	86.2	47.3 *	30	10 - 137	
Dibenzofuran	0.911	0.567	62.2	17.6	30	10 - 147	
Diethyl phthalate	0.911	0.607	66.6	24.9	30	20 - 120	
Dimethyl phthalate	0.911	0.592	65.0	20.2	30	18 - 131	
Di-n-butyl phthalate	0.911	0.600	65.9	21.7	30	10 - 137	
Di-n-octyl phthalate	0.911	0.595	65.4	16.9	30	10 - 180	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270E

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51937	Laboratory ID:	BH51937-MSD1
Preparation:	EPA 3550C	Initial/Final:	30 g / 1 mL

Source Sample Name: 25H1535-09

COMPOUND	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
Diphenylamine	0.911	0.730	80.2	23.4	30	40 - 140	
Fluoranthene	0.911	1.06	68.6	12.4	30	10 - 160	
Fluorene	0.911	0.636	61.4	15.6	30	10 - 157	
Hexachlorobenzene	0.911	0.555	61.0	14.4	30	10 - 137	
Hexachlorobutadiene	0.911	0.642	70.5	24.4	30	10 - 132	
Hexachlorocyclopentadiene	0.911	0.845	92.8	0.0115	30	10 - 106	
Hexachloroethane Sample ND	0.911	0.640	70.2	51.3 *	30	10 - 110	
Indeno(1,2,3-cd)pyrene Sample ND	0.911	1.01	89.2	48.9 *	30	10 - 144	
Isophorone	0.911	0.659	72.3	20.3	30	10 - 132	
Naphthalene	0.911	0.691	69.3	19.1	30	10 - 141	
Nitrobenzene	0.911	0.538	59.1	17.8	30	10 - 131	
N-Nitrosodimethylamine Sample ND	0.911	0.609	66.9	41.8 *	30	10 - 126	
N-nitroso-di-n-propylamine	0.911	0.605	66.4	20.5	30	10 - 125	
N-Nitrosodiphenylamine	0.911	0.779	85.5	20.3	30	10 - 177	
Pentachlorophenol	0.911	0.613	67.3	21.9	30	10 - 153	
Phenanthrene	0.911	0.859	50.1	15.7	30	10 - 148	
Phenol	0.911	0.612	67.2	28.9	30	10 - 126	
Pyrene	0.911	1.55	27.1	2.87	30	10 - 165	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51930	Laboratory ID:	BH51930-BS1
Preparation:	EPA 3550C	Initial/Final:	30 g / 1 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC	Q
1,1-Biphenyl	0.833	0.699	83.9	18 - 111	
1,2,4,5-Tetrachlorobenzene	0.833	0.772	92.6	21 - 131	
1,2,4-Trichlorobenzene	0.833	0.705	84.6	10 - 140	
1,2-Dichlorobenzene	0.833	0.650	78.0	34 - 108	
1,2-Diphenylhydrazine (as Azobenzene)	0.833	0.679	81.5	17 - 137	
1,3-Dichlorobenzene	0.833	0.629	75.5	33 - 110	
1,4-Dichlorobenzene	0.833	0.640	76.8	32 - 104	
2,3,4,6-Tetrachlorophenol	0.833	0.897	108	30 - 130	
2,4,5-Trichlorophenol	0.833	0.781	93.7	27 - 118	
2,4,6-Trichlorophenol	0.833	0.770	92.4	31 - 120	
2,4-Dichlorophenol	0.833	0.768	92.1	20 - 127	
2,4-Dimethylphenol	0.833	0.688	82.6	14 - 132	
2,4-Dinitrophenol	0.833	0.148	17.8	10 - 171	
2,4-Dinitrotoluene	0.833	0.832	99.9	34 - 131	
2,6-Dinitrotoluene	0.833	0.868	104	31 - 128	
2-Chloronaphthalene	0.833	0.691	82.9	31 - 117	
2-Chlorophenol	0.833	0.672	80.6	33 - 113	
2-Methylnaphthalene	0.833	0.663	79.6	12 - 138	
2-Methylphenol	0.833	0.629	75.5	10 - 136	
2-Nitroaniline	0.833	0.816	98.0	27 - 132	
2-Nitrophenol	0.833	0.758	91.0	17 - 129	
3- & 4-Methylphenols	0.833	0.629	75.5	29 - 103	
3,3-Dichlorobenzidine	0.833	0.762	91.4	22 - 149	
3-Nitroaniline	0.833	0.742	89.1	20 - 133	
4,6-Dinitro-2-methylphenol	0.833	0.329	39.5	10 - 143	
4-Bromophenyl phenyl ether	0.833	0.733	87.9	29 - 120	
4-Chloro-3-methylphenol	0.833	0.799	95.9	24 - 129	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

only sample 10 included in this batch

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51930	Laboratory ID:	BH51930-BS1
Preparation:	EPA 3550C	Initial/Final:	30 g / 1 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
4-Chloroaniline	0.833	0.594	71.3	10 - 132	
4-Chlorophenyl phenyl ether	0.833	0.741	88.9	27 - 124	
4-Nitroaniline	0.833	0.723	86.7	16 - 128	
4-Nitrophenol	0.833	0.670	80.4	10 - 141	
Acenaphthene	0.833	0.672	80.7	30 - 121	
Acenaphthylene	0.833	0.737	88.4	30 - 115	
Acetophenone	0.833	0.706	84.7	20 - 112	
Aniline	0.833	0.549	65.8	10 - 119	
Anthracene	0.833	0.674	80.9	34 - 118	
Atrazine	0.833	0.799	95.8	26 - 112	
Benzaldehyde	0.833	0.529	63.5	21 - 100	
Benzo(a)anthracene	0.833	0.786	94.3	32 - 122	
Benzo(a)pyrene	0.833	0.652	78.3	29 - 133	
Benzo(b)fluoranthene	0.833	0.701	84.1	25 - 133	
Benzo(g,h,i)perylene	0.833	0.793	95.2	10 - 143	
Benzo(k)fluoranthene	0.833	0.664	79.7	25 - 128	
Benzoic acid	0.833	0.0587	7.04 *	10 - 140	
Benzyl alcohol	0.833	0.654	78.4	30 - 115	
Benzyl butyl phthalate	0.833	0.825	99.0	26 - 126	
Bis(2-chloroethoxy)methane	0.833	0.663	79.5	19 - 132	
Bis(2-chloroethyl)ether	0.833	0.552	66.3	19 - 125	
Bis(2-chloroisopropyl)ether	0.833	0.618	74.2	20 - 135	
Bis(2-ethylhexyl)phthalate	0.833	0.685	82.2	10 - 155	
Caprolactam	0.833	0.789	94.7	10 - 127	
Carbazole	0.833	0.663	79.6	35 - 123	
Chrysene	0.833	0.735	88.2	32 - 123	
Dibenzo(a,h)anthracene	0.833	0.806	96.7	10 - 136	

sample 10 qual UJ:LC- for benzoic acid

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51930	Laboratory ID:	BH51930-BS1
Preparation:	EPA 3550C	Initial/Final:	30 g / 1 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
Dibenzofuran	0.833	0.730	87.6	29 - 121	
Diethyl phthalate	0.833	0.761	91.3	34 - 116	
Dimethyl phthalate	0.833	0.755	90.6	35 - 124	
Di-n-butyl phthalate	0.833	0.703	84.4	31 - 116	
Di-n-octyl phthalate	0.833	0.649	77.9	26 - 136	
Diphenylamine	0.833	0.796	95.5	40 - 140	
Fluoranthene	0.833	0.674	80.9	33 - 122	
Fluorene	0.833	0.719	86.2	29 - 123	
Hexachlorobenzene	0.833	0.741	89.0	21 - 124	
Hexachlorobutadiene	0.833	0.755	90.6	10 - 149	
Hexachlorocyclopentadiene	0.833	0.246	29.5	10 - 129	
Hexachloroethane	0.833	0.642	77.0	28 - 108	
Indeno(1,2,3-cd)pyrene	0.833	0.754	90.4	10 - 135	
Isophorone	0.833	0.689	82.7	20 - 132	
Naphthalene	0.833	0.710	85.2	23 - 124	
Nitrobenzene	0.833	0.684	82.1	13 - 132	
N-Nitrosodimethylamine	0.833	0.492	59.0	11 - 129	
N-nitroso-di-n-propylamine	0.833	0.642	77.1	24 - 119	
N-Nitrosodiphenylamine	0.833	0.763	91.5	22 - 152	
Pentachlorophenol	0.833	0.632	75.8	10 - 139	
Phenanthrene	0.833	0.705	84.6	33 - 123	
Phenol	0.833	0.694	83.3	23 - 115	
Pyrene	0.833	0.877	105	24 - 130	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51930	Laboratory ID:	BH51930-BS1
Preparation:	EPA 3550C	Initial/Final:	30 g / 1 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
1,1-Biphenyl	0.833	0.699	83.9	18 - 111	
1,2,4,5-Tetrachlorobenzene	0.833	0.772	92.6	21 - 131	
1,2,4-Trichlorobenzene	0.833	0.705	84.6	10 - 140	
1,2-Dichlorobenzene	0.833	0.650	78.0	34 - 108	
1,2-Diphenylhydrazine (as Azobenzene)	0.833	0.679	81.5	17 - 137	
1,3-Dichlorobenzene	0.833	0.629	75.5	33 - 110	
1,4-Dichlorobenzene	0.833	0.640	76.8	32 - 104	
2,3,4,6-Tetrachlorophenol	0.833	0.897	108	30 - 130	
2,4,5-Trichlorophenol	0.833	0.781	93.7	27 - 118	
2,4,6-Trichlorophenol	0.833	0.770	92.4	31 - 120	
2,4-Dichlorophenol	0.833	0.768	92.1	20 - 127	
2,4-Dimethylphenol	0.833	0.688	82.6	14 - 132	
2,4-Dinitrophenol	0.833	0.148	17.8	10 - 171	
2,4-Dinitrotoluene	0.833	0.832	99.9	34 - 131	
2,6-Dinitrotoluene	0.833	0.868	104	31 - 128	
2-Chloronaphthalene	0.833	0.691	82.9	31 - 117	
2-Chlorophenol	0.833	0.672	80.6	33 - 113	
2-Methylnaphthalene	0.833	0.663	79.6	12 - 138	
2-Methylphenol	0.833	0.629	75.5	10 - 136	
2-Nitroaniline	0.833	0.816	98.0	27 - 132	
2-Nitrophenol	0.833	0.758	91.0	17 - 129	
3- & 4-Methylphenols	0.833	0.629	75.5	29 - 103	
3,3-Dichlorobenzidine	0.833	0.762	91.4	22 - 149	
3-Nitroaniline	0.833	0.742	89.1	20 - 133	
4,6-Dinitro-2-methylphenol	0.833	0.329	39.5	10 - 143	
4-Bromophenyl phenyl ether	0.833	0.733	87.9	29 - 120	
4-Chloro-3-methylphenol	0.833	0.799	95.9	24 - 129	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51930	Laboratory ID:	BH51930-BS1
Preparation:	EPA 3550C	Initial/Final:	30 g / 1 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
4-Chloroaniline	0.833	0.594	71.3	10 - 132	
4-Chlorophenyl phenyl ether	0.833	0.741	88.9	27 - 124	
4-Nitroaniline	0.833	0.723	86.7	16 - 128	
4-Nitrophenol	0.833	0.670	80.4	10 - 141	
Acenaphthene	0.833	0.672	80.7	30 - 121	
Acenaphthylene	0.833	0.737	88.4	30 - 115	
Acetophenone	0.833	0.706	84.7	20 - 112	
Aniline	0.833	0.549	65.8	10 - 119	
Anthracene	0.833	0.674	80.9	34 - 118	
Atrazine	0.833	0.799	95.8	26 - 112	
Benzaldehyde	0.833	0.529	63.5	21 - 100	
Benzo(a)anthracene	0.833	0.786	94.3	32 - 122	
Benzo(a)pyrene	0.833	0.652	78.3	29 - 133	
Benzo(b)fluoranthene	0.833	0.701	84.1	25 - 133	
Benzo(g,h,i)perylene	0.833	0.793	95.2	10 - 143	
Benzo(k)fluoranthene	0.833	0.664	79.7	25 - 128	
Benzoic acid UJ:LC-	0.833	0.0587	7.04 *	10 - 140	
Benzyl alcohol	0.833	0.654	78.4	30 - 115	
Benzyl butyl phthalate	0.833	0.825	99.0	26 - 126	
Bis(2-chloroethoxy)methane	0.833	0.663	79.5	19 - 132	
Bis(2-chloroethyl)ether	0.833	0.552	66.3	19 - 125	
Bis(2-chloroisopropyl)ether	0.833	0.618	74.2	20 - 135	
Bis(2-ethylhexyl)phthalate	0.833	0.685	82.2	10 - 155	
Caprolactam	0.833	0.789	94.7	10 - 127	
Carbazole	0.833	0.663	79.6	35 - 123	
Chrysene	0.833	0.735	88.2	32 - 123	
Dibenzo(a,h)anthracene	0.833	0.806	96.7	10 - 136	

FORM III

LCS / LCS DUPLICATE RECOVERY

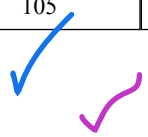
EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51930	Laboratory ID:	BH51930-BS1
Preparation:	EPA 3550C	Initial/Final:	30 g / 1 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
Dibenzofuran	0.833	0.730	87.6	29 - 121	
Diethyl phthalate	0.833	0.761	91.3	34 - 116	
Dimethyl phthalate	0.833	0.755	90.6	35 - 124	
Di-n-butyl phthalate	0.833	0.703	84.4	31 - 116	
Di-n-octyl phthalate	0.833	0.649	77.9	26 - 136	
Diphenylamine	0.833	0.796	95.5	40 - 140	
Fluoranthene	0.833	0.674	80.9	33 - 122	
Fluorene	0.833	0.719	86.2	29 - 123	
Hexachlorobenzene	0.833	0.741	89.0	21 - 124	
Hexachlorobutadiene	0.833	0.755	90.6	10 - 149	
Hexachlorocyclopentadiene	0.833	0.246	29.5	10 - 129	
Hexachloroethane	0.833	0.642	77.0	28 - 108	
Indeno(1,2,3-cd)pyrene	0.833	0.754	90.4	10 - 135	
Isophorone	0.833	0.689	82.7	20 - 132	
Naphthalene	0.833	0.710	85.2	23 - 124	
Nitrobenzene	0.833	0.684	82.1	13 - 132	
N-Nitrosodimethylamine	0.833	0.492	59.0	11 - 129	
N-nitroso-di-n-propylamine	0.833	0.642	77.1	24 - 119	
N-Nitrosodiphenylamine	0.833	0.763	91.5	22 - 152	
Pentachlorophenol	0.833	0.632	75.8	10 - 139	
Phenanthrene	0.833	0.705	84.6	33 - 123	
Phenol	0.833	0.694	83.3	23 - 115	
Pyrene	0.833	0.877	105	24 - 130	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits



FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51937	Laboratory ID:	BH51937-BS1
Preparation:	EPA 3550C	Initial/Final:	30.1 g / 1 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
1,1-Biphenyl	0.831	0.578	69.6	18 - 111	
1,2,4,5-Tetrachlorobenzene	0.831	0.632	76.1	21 - 131	
1,2,4-Trichlorobenzene	0.831	0.545	65.6	10 - 140	
1,2-Dichlorobenzene	0.831	0.503	60.6	34 - 108	
1,2-Diphenylhydrazine (as Azobenzene)	0.831	0.570	68.7	17 - 137	
1,3-Dichlorobenzene	0.831	0.495	59.6	33 - 110	
1,4-Dichlorobenzene	0.831	0.509	61.2	32 - 104	
2,3,4,6-Tetrachlorophenol	0.831	0.575	69.2	30 - 130	
2,4,5-Trichlorophenol	0.831	0.559	67.3	27 - 118	
2,4,6-Trichlorophenol	0.831	0.577	69.4	31 - 120	
2,4-Dichlorophenol	0.831	0.551	66.4	20 - 127	
2,4-Dimethylphenol	0.831	0.494	59.4	14 - 132	
2,4-Dinitrophenol UB:LC-	0.831	ND	*	10 - 171	
2,4-Dinitrotoluene	0.831	0.469	56.5	34 - 131	
2,6-Dinitrotoluene	0.831	0.518	62.4	31 - 128	
2-Chloronaphthalene	0.831	0.557	67.0	31 - 117	
2-Chlorophenol	0.831	0.530	63.8	33 - 113	
2-Methylnaphthalene	0.831	0.491	59.2	12 - 138	
2-Methylphenol	0.831	0.534	64.2	10 - 136	
2-Nitroaniline	0.831	0.646	77.8	27 - 132	
2-Nitrophenol	0.831	0.513	61.8	17 - 129	
3- & 4-Methylphenols	0.831	0.493	59.4	29 - 103	
3,3-Dichlorobenzidine	0.831	0.544	65.4	22 - 149	
3-Nitroaniline	0.831	0.594	71.6	20 - 133	
4,6-Dinitro-2-methylphenol	0.831	0.255	30.8	10 - 143	
4-Bromophenyl phenyl ether	0.831	0.556	66.9	29 - 120	
4-Chloro-3-methylphenol	0.831	0.533	64.1	24 - 129	

2,4-dinitrophenol
spike amount would be 25.01 ug/mL on column, 2.501 ug/mL for 10% limit
calibrated on BNA#4, ICAL L1=5 ug/mL
lower acceptance limit < calibration range - qualify UJ:LC-

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51937	Laboratory ID:	BH51937-BS1
Preparation:	EPA 3550C	Initial/Final:	30.1 g / 1 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
4-Chloroaniline	0.831	0.473	57.0	10 - 132	
4-Chlorophenyl phenyl ether	0.831	0.536	64.5	27 - 124	
4-Nitroaniline	0.831	0.657	79.1	16 - 128	
4-Nitrophenol	0.831	0.514	61.8	10 - 141	
Acenaphthene	0.831	0.506	60.9	30 - 121	
Acenaphthylene	0.831	0.551	66.4	30 - 115	
Acetophenone	0.831	0.551	66.4	20 - 112	
Aniline	0.831	0.404	48.6	10 - 119	
Anthracene	0.831	0.528	63.6	34 - 118	
Atrazine	0.831	0.582	70.1	26 - 112	
Benzaldehyde	0.831	0.465	56.0	21 - 100	
Benzo(a)anthracene	0.831	0.552	66.4	32 - 122	
Benzo(a)pyrene	0.831	0.497	59.8	29 - 133	
Benzo(b)fluoranthene	0.831	0.534	64.3	25 - 133	
Benzo(g,h,i)perylene	0.831	0.484	58.3	10 - 143	
Benzo(k)fluoranthene	0.831	0.551	66.3	25 - 128	
Benzoic acid	0.831	0.394	47.5	10 - 140	
Benzyl alcohol	0.831	0.509	61.3	30 - 115	
Benzyl butyl phthalate	0.831	0.544	65.5	26 - 126	
Bis(2-chloroethoxy)methane	0.831	0.588	70.8	19 - 132	
Bis(2-chloroethyl)ether	0.831	0.580	69.8	19 - 125	
Bis(2-chloroisopropyl)ether	0.831	0.505	60.8	20 - 135	
Bis(2-ethylhexyl)phthalate	0.831	0.546	65.8	10 - 155	
Caprolactam	0.831	0.536	64.5	10 - 127	
Carbazole	0.831	0.543	65.3	35 - 123	
Chrysene	0.831	0.548	65.9	32 - 123	
Dibenzo(a,h)anthracene	0.831	0.490	59.0	10 - 136	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51937	Laboratory ID:	BH51937-BS1
Preparation:	EPA 3550C	Initial/Final:	30.1 g / 1 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
Dibenzofuran	0.831	0.532	64.1	29 - 121	
Diethyl phthalate	0.831	0.560	67.4	34 - 116	
Dimethyl phthalate	0.831	0.565	68.1	35 - 124	
Di-n-butyl phthalate	0.831	0.550	66.3	31 - 116	
Di-n-octyl phthalate	0.831	0.547	65.8	26 - 136	
Diphenylamine	0.831	0.643	77.4	40 - 140	
Fluoranthene	0.831	0.534	64.3	33 - 122	
Fluorene	0.831	0.519	62.5	29 - 123	
Hexachlorobenzene	0.831	0.568	68.4	21 - 124	
Hexachlorobutadiene	0.831	0.563	67.8	10 - 149	
Hexachlorocyclopentadiene	0.831	0.407	49.0	10 - 129	
Hexachloroethane	0.831	0.422	50.8	28 - 108	
Indeno(1,2,3-cd)pyrene	0.831	0.440	53.0	10 - 135	
Isophorone	0.831	0.588	70.8	20 - 132	
Naphthalene	0.831	0.543	65.4	23 - 124	
Nitrobenzene	0.831	0.541	65.1	13 - 132	
N-Nitrosodimethylamine	0.831	0.510	61.4	11 - 129	
N-nitroso-di-n-propylamine	0.831	0.535	64.4	24 - 119	
N-Nitrosodiphenylamine	0.831	0.661	79.6	22 - 152	
Pentachlorophenol	0.831	0.554	66.7	10 - 139	
Phenanthrene	0.831	0.551	66.4	33 - 123	
Phenol	0.831	0.533	64.2	23 - 115	
Pyrene	0.831	0.550	66.2	24 - 130	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Batch:	BH51930 Batch Matrix: Soil	Preparation:	EPA 3550C

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC DUP	25H1535-10	SV4423796.D	08/26/25 09:04	rocky
Blank	BH51930-BLK1	E20027360.D	08/26/25 09:04	
LCS	BH51930-BS1	E20027361.D	08/26/25 09:04	



FORM IV **PREPARATION BATCH SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford SDG: 25H1535

Client: Terracon Consultants, Inc. Project: HPN HVAC J4257006, 10.2

Batch: BH51937 Batch Matrix: Soil Preparation: EPA 3550C

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC SW North 1-3	25H1535-05	SV4423833.D	08/26/25 09:21	
HVAC SW North 1-3	25H1535-05RE1	SV68798.D	08/26/25 09:21	Added 8/29/2025 by SR
HVAC SW South 1-3	25H1535-06	SV4423834.D	08/26/25 09:21	
HVAC SW East 1-3	25H1535-07	BNA1-035231.D	08/26/25 09:21	
HVAC SW East 1-3	25H1535-07RE1	E20027545.D	08/26/25 09:21	Added 9/2/2025 by AAL
HVAC SW West 1-3	25H1535-08	E20027463.D	08/26/25 09:21	
HVAC Bottom 3 ft	25H1535-09	E20027464.D	08/26/25 09:21	
Blank	BH51937-BLK1	SV4423799.D	08/26/25 09:21	
LCS	BH51937-BS1	SV4423800.D	08/26/25 09:21	
HVAC Bottom 3 ft	BH51937-MS1	SV4423835.D	08/26/25 09:21	
HVAC Bottom 3 ft	BH51937-MSD1	SV4423826.D	08/26/25 09:21	

FORM I

METHOD BLANK DATA SHEET

EPA 8270E

CLEAN BLANK

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51930-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50050
Preparation:	EPA 3550C	Prepared:	08/26/25 09:04	File ID:	E20027360.D
Instrument:	BNA#2	Analyzed:	08/27/25 13:31	Initial/Final:	30 g / 1 mL
Batch:	BH51930	Sequence:	S5H2722	Matrix:	Soil

Analyzed by: ALS Environmental - Stratford

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg wet	0.0833	0.0417	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
95-50-1	1,2-Dichlorobenzene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
541-73-1	1,3-Dichlorobenzene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
106-46-7	1,4-Dichlorobenzene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg wet	0.0833	0.0417	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
120-83-2	2,4-Dichlorophenol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
105-67-9	2,4-Dimethylphenol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
51-28-5	2,4-Dinitrophenol	ND		mg/kg wet	0.0833	0.0417	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
121-14-2	2,4-Dinitrotoluene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
606-20-2	2,6-Dinitrotoluene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
91-58-7	2-Chloronaphthalene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
95-57-8	2-Chlorophenol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
91-57-6	2-Methylnaphthalene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
95-48-7	2-Methylphenol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
88-74-4	2-Nitroaniline	ND		mg/kg wet	0.0833	0.0417	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
88-75-5	2-Nitrophenol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
65794-96-9	3- & 4-Methylphenols	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
99-09-2	3-Nitroaniline	ND		mg/kg wet	0.0833	0.0417	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg wet	0.0833	0.0417	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
106-47-8	4-Chloroaniline	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
100-01-6	4-Nitroaniline	ND		mg/kg wet	0.0833	0.0417	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
100-02-7	4-Nitrophenol	ND		mg/kg wet	0.0833	0.0417	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
83-32-9	Acenaphthene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
208-96-8	Acenaphthylene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
98-86-2	Acetophenone	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
62-53-3	Aniline	ND		mg/kg wet	0.167	0.0835	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
120-12-7	Anthracene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
1912-24-9	Atrazine	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
100-52-7	Benzaldehyde	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
92-87-5	Benzidine	ND		mg/kg wet	0.167	0.0835	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
56-55-3	Benzo(a)anthracene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
50-32-8	Benzo(a)pyrene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
205-99-2	Benzo(b)fluoranthene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	

FORM I

METHOD BLANK DATA SHEET
EPA 8270E

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51930-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50050
Preparation:	EPA 3550C	Prepared:	08/26/25 09:04	File ID:	E20027360.D
Instrument:	BNA#2	Analyzed:	08/27/25 13:31	Initial/Final:	30 g / 1 mL
Batch:	BH51930	Sequence:	S5H2722	Matrix:	Soil

Semivolatile Organic Compounds by GC/MS
Sample Prepared by Method: EPA 3550C

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
65-85-0	Benzoic acid	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
100-51-6	Benzyl alcohol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
85-68-7	Benzyl butyl phthalate	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
105-60-2	Caprolactam	ND		mg/kg wet	0.0833	0.0417	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
86-74-8	Carbazole	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
218-01-9	Chrysene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
132-64-9	Dibenzofuran	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
84-66-2	Diethyl phthalate	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
131-11-3	Dimethyl phthalate	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
84-74-2	Di-n-butyl phthalate	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
117-84-0	Di-n-octyl phthalate	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
122-39-4	Diphenylamine	ND		mg/kg wet	0.0833	0.0417	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
206-44-0	Fluoranthene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
86-73-7	Fluorene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
118-74-1	Hexachlorobenzene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
87-68-3	Hexachlorobutadiene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
67-72-1	Hexachloroethane	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
78-59-1	Isophorone	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
91-20-3	Naphthalene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
98-95-3	Nitrobenzene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
62-75-9	N-Nitrosodimethylamine	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
87-86-5	Pentachlorophenol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
85-01-8	Phenanthrene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
108-95-2	Phenol	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	
129-00-0	Pyrene	ND		mg/kg wet	0.0417	0.0209	1	EPA 8270E	08/26/25 09:04	08/27/25 13:31	

	Surrogate Recoveries	Result	Acceptance Range
118-79-6	SURR: 2,4,6-Tribromophenol	*59.3 %*	*19-110*
321-60-8	SURR: 2-Fluorobiphenyl	*43.1 %*	*21-113*
367-12-4	SURR: 2-Fluorophenol	*50.1 %*	*20-108*
4165-60-0	SURR: Nitrobenzene-d5	*48.2 %*	*22-108*
13127-88-3	SURR: Phenol-d6	*45.3 %*	*23-114*
1718-51-0	SURR: Terphenyl-d14	*50.5 %*	*24-116*

FORM I

METHOD BLANK DATA SHEET

EPA 8270E

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51930-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50050
Preparation:	EPA 3550C	Prepared:	08/26/25 09:04	File ID:	E20027360.D
Instrument:	BNA#2	Analyzed:	08/27/25 13:31	Initial/Final:	30 g / 1 mL
Batch:	BH51930	Sequence:	S5H2722	Matrix:	Soil

FORM I

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METHOD BLANK DATA SHEET

EPA 8270E

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51937-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50055
Preparation:	EPA 3550C	Prepared:	08/26/25 09:21	File ID:	SV4423799.D
Instrument:	BNA #4	Analyzed:	08/28/25 02:13	Initial/Final:	30.1 g / 1 mL
Batch:	BH51937	Sequence:	S5H2832	Matrix:	Soil

Analyzed by: ALS Environmental - Stratford

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 3550C

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg wet	0.0830	0.0416	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
95-50-1	1,2-Dichlorobenzene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
541-73-1	1,3-Dichlorobenzene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
106-46-7	1,4-Dichlorobenzene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg wet	0.0830	0.0416	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
120-83-2	2,4-Dichlorophenol	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
105-67-9	2,4-Dimethylphenol	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
51-28-5	2,4-Dinitrophenol	ND		mg/kg wet	0.0830	0.0416	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
121-14-2	2,4-Dinitrotoluene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
606-20-2	2,6-Dinitrotoluene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
91-58-7	2-Chloronaphthalene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
95-57-8	2-Chlorophenol	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
91-57-6	2-Methylnaphthalene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
95-48-7	2-Methylphenol	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
88-74-4	2-Nitroaniline	ND		mg/kg wet	0.0830	0.0416	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
88-75-5	2-Nitrophenol	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
65794-96-9	3- & 4-Methylphenols	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
99-09-2	3-Nitroaniline	ND		mg/kg wet	0.0830	0.0416	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg wet	0.0830	0.0416	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
106-47-8	4-Chloroaniline	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
100-01-6	4-Nitroaniline	ND		mg/kg wet	0.0830	0.0416	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
100-02-7	4-Nitrophenol	ND		mg/kg wet	0.0830	0.0416	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
83-32-9	Acenaphthene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
208-96-8	Acenaphthylene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
98-86-2	Acetophenone	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
62-53-3	Aniline	ND		mg/kg wet	0.166	0.0832	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
120-12-7	Anthracene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
1912-24-9	Atrazine	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
100-52-7	Benzaldehyde	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
92-87-5	Benzidine	ND		mg/kg wet	0.166	0.0832	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
56-55-3	Benzo(a)anthracene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
50-32-8	Benzo(a)pyrene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
205-99-2	Benzo(b)fluoranthene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	

FORM I

METHOD BLANK DATA SHEET
EPA 8270E

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51937-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50055
Preparation:	EPA 3550C	Prepared:	08/26/25 09:21	File ID:	SV4423799.D
Instrument:	BNA #4	Analyzed:	08/28/25 02:13	Initial/Final:	30.1 g / 1 mL
Batch:	BH51937	Sequence:	S5H2832	Matrix:	Soil

Semivolatile Organic Compounds by GC/MS
Sample Prepared by Method: EPA 3550C

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
65-85-0	Benzoic acid	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
100-51-6	Benzyl alcohol	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
85-68-7	Benzyl butyl phthalate	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
105-60-2	Caprolactam	ND		mg/kg wet	0.0830	0.0416	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
86-74-8	Carbazole	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
218-01-9	Chrysene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
132-64-9	Dibenzofuran	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
84-66-2	Diethyl phthalate	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
131-11-3	Dimethyl phthalate	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
84-74-2	Di-n-butyl phthalate	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
117-84-0	Di-n-octyl phthalate	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
122-39-4	Diphenylamine	ND		mg/kg wet	0.0830	0.0416	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
206-44-0	Fluoranthene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
86-73-7	Fluorene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
118-74-1	Hexachlorobenzene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
87-68-3	Hexachlorobutadiene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
67-72-1	Hexachloroethane	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
78-59-1	Isophorone	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
91-20-3	Naphthalene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
98-95-3	Nitrobenzene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
62-75-9	N-Nitrosodimethylamine	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
87-86-5	Pentachlorophenol	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
85-01-8	Phenanthrene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
108-95-2	Phenol	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	
129-00-0	Pyrene	ND		mg/kg wet	0.0416	0.0208	1	EPA 8270E	08/26/25 09:21	08/28/25 02:13	

	Surrogate Recoveries	Result	Acceptance Range
118-79-6	SURR: 2,4,6-Tribromophenol	*67.8 %*	*19-110*
321-60-8	SURR: 2-Fluorobiphenyl	*59.4 %*	*21-113*
367-12-4	SURR: 2-Fluorophenol	*85.7 %*	*20-108*
4165-60-0	SURR: Nitrobenzene-d5	*54.8 %*	*22-108*
13127-88-3	SURR: Phenol-d6	*68.2 %*	*23-114*
1718-51-0	SURR: Terphenyl-d14	*67.4 %*	*24-116*

2600

FORM I

METHOD BLANK DATA SHEET

EPA 8270E

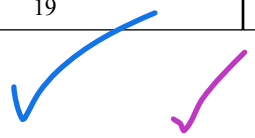
Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51937-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50055
Preparation:	EPA 3550C	Prepared:	08/26/25 09:21	File ID:	SV4423799.D
Instrument:	BNA #4	Analyzed:	08/28/25 02:13	Initial/Final:	30.1 g / 1 mL
Batch:	BH51937	Sequence:	S5H2832	Matrix:	Soil

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1735
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Lab File ID:	SV67819.D	Injection Date:	07/08/25
Instrument ID:	BNA#6	Injection Time:	12:51
Sequence:	S5G0933	Lab Sample ID:	S5G0933-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10 - 80% of 198	30.5	PASS
68	Less than 2% of 69	0	PASS
69	Less than 100% of 198	45.4	PASS
70	Less than 2% of 69	0.408	PASS
127	10 - 80% of 198	49.1	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.64	PASS
275	10 - 60% of 198	31.4	PASS
365	1 - 100% of 198	4.13	PASS
441	0.01 - 24% of 442	15.7	PASS
442	50 - 100% of 198	67.3	PASS
443	15 - 24% of 442	19	PASS



FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1735
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Lab File ID:	E20027269.D	Injection Date:	08/24/25
Instrument ID:	BNA#2	Injection Time:	17:37
Sequence:	S5H2508	Lab Sample ID:	S5H2508-TUN1

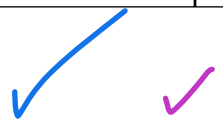
m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10 - 80% of 198	42.4	PASS
68	Less than 2% of 69	0	PASS
69	Less than 100% of 198	57.4	PASS
70	Less than 2% of 69	0.994	PASS
127	10 - 80% of 198	60.4	PASS
197	Less than 2% of 198	0.584	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.98	PASS
275	10 - 60% of 198	28.4	PASS
365	1 - 100% of 198	3.53	PASS
441	0.01 - 24% of 442	17.3	PASS
442	50 - 100% of 198	87.5	PASS
443	15 - 24% of 442	19.5	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1735
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Lab File ID:	SV4423728.D	Injection Date:	08/26/25
Instrument ID:	BNA #4	Injection Time:	08:45
Sequence:	S5H2714	Lab Sample ID:	S5H2714-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10 - 80% of 198	42.7	PASS
68	Less than 2% of 69	0	PASS
69	Less than 100% of 198	52.7	PASS
70	Less than 2% of 69	0.616	PASS
127	10 - 80% of 198	50.9	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.12	PASS
275	10 - 60% of 198	31.1	PASS
365	1 - 100% of 198	3.9	PASS
441	0.01 - 24% of 442	15.2	PASS
442	50 - 100% of 198	82.1	PASS
443	15 - 24% of 442	19	PASS

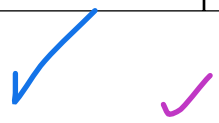


FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1735
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Lab File ID:	E20027350.D	Injection Date:	08/27/25
Instrument ID:	BNA#2	Injection Time:	08:21
Sequence:	S5H2722	Lab Sample ID:	S5H2722-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10 - 80% of 198	56.8	PASS
68	Less than 2% of 69	1.07	PASS
69	Less than 100% of 198	68.2	PASS
70	Less than 2% of 69	1.33	PASS
127	10 - 80% of 198	66.6	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.74	PASS
275	10 - 60% of 198	31.2	PASS
365	1 - 100% of 198	4.1	PASS
441	0.01 - 24% of 442	18.5	PASS
442	50 - 100% of 198	79.8	PASS
443	15 - 24% of 442	19.9	PASS



FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1735
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Lab File ID:	SV4423779a.D	Injection Date:	08/27/25
Instrument ID:	BNA #4	Injection Time:	15:39
Sequence:	S5H2832	Lab Sample ID:	S5H2832-TUN1

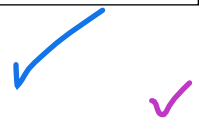
m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10 - 80% of 198	41.5	PASS
68	Less than 2% of 69	0.648	PASS
69	Less than 100% of 198	51.7	PASS
70	Less than 2% of 69	0.6	PASS
127	10 - 80% of 198	50.1	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.05	PASS
275	10 - 60% of 198	32	PASS
365	1 - 100% of 198	4	PASS
441	0.01 - 24% of 442	15.3	PASS
442	50 - 100% of 198	75.8	PASS
443	15 - 24% of 442	19.2	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1735
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Lab File ID:	SV4423823.D	Injection Date:	08/28/25
Instrument ID:	BNA #4	Injection Time:	20:21
Sequence:	S5H2904	Lab Sample ID:	S5H2904-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10 - 80% of 198	46.8	PASS
68	Less than 2% of 69	0	PASS
69	Less than 100% of 198	57.2	PASS
70	Less than 2% of 69	0.622	PASS
127	10 - 80% of 198	54.1	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.99	PASS
275	10 - 60% of 198	30.1	PASS
365	1 - 100% of 198	3.87	PASS
441	0.01 - 24% of 442	15.2	PASS
442	50 - 100% of 198	67	PASS
443	15 - 24% of 442	20	PASS



FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1735
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Lab File ID:	BNA1-035176.D	Injection Date:	08/29/25
Instrument ID:	BNA #1	Injection Time:	09:21
Sequence:	S5H2937	Lab Sample ID:	S5H2937-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10 - 80% of 198	37.7	PASS
68	Less than 2% of 69	0	PASS
69	Less than 100% of 198	52.8	PASS
70	Less than 2% of 69	0.668	PASS
127	10 - 80% of 198	52.1	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.18	PASS
275	10 - 60% of 198	27.4	PASS
365	1 - 100% of 198	4.3	PASS
441	0.01 - 24% of 442	16	PASS
442	50 - 100% of 198	54.2	PASS
443	15 - 24% of 442	20.8	PASS

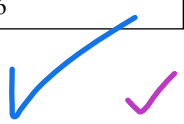


FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1735
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Lab File ID:	E20027461.D	Injection Date:	08/29/25
Instrument ID:	BNA#2	Injection Time:	20:31
Sequence:	S5H3002	Lab Sample ID:	S5H3002-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10 - 80% of 198	42.3	PASS
68	Less than 2% of 69	0	PASS
69	Less than 100% of 198	55.8	PASS
70	Less than 2% of 69	0.257	PASS
127	10 - 80% of 198	59.7	PASS
197	Less than 2% of 198	1.51	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.66	PASS
275	10 - 60% of 198	29.3	PASS
365	1 - 100% of 198	3.59	PASS
441	0.01 - 24% of 442	17.7	PASS
442	50 - 100% of 198	90.6	PASS
443	15 - 24% of 442	19.6	PASS



FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1735
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Lab File ID:	BNA1-035229.D	Injection Date:	08/30/25
Instrument ID:	BNA #1	Injection Time:	17:30
Sequence:	S5H3103	Lab Sample ID:	S5H3103-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10 - 80% of 198	34.3	PASS
68	Less than 2% of 69	0	PASS
69	Less than 100% of 198	47.8	PASS
70	Less than 2% of 69	0.559	PASS
127	10 - 80% of 198	50.4	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.17	PASS
275	10 - 60% of 198	29.4	PASS
365	1 - 100% of 198	4.43	PASS
441	0.01 - 24% of 442	15.2	PASS
442	50 - 100% of 198	76.5	PASS
443	15 - 24% of 442	20.3	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1735
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Lab File ID:	SV68794.D	Injection Date:	08/29/25
Instrument ID:	BNA#6	Injection Time:	20:43
Sequence:	S5H3105	Lab Sample ID:	S5H3105-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10 - 80% of 198	19.5	PASS
68	Less than 2% of 69	1.25	PASS
69	Less than 100% of 198	29.5	PASS
70	Less than 2% of 69	1.26	PASS
127	10 - 80% of 198	45.3	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.68	PASS
275	10 - 60% of 198	28.7	PASS
365	1 - 100% of 198	5.44	PASS
441	0.01 - 24% of 442	15.1	PASS
442	50 - 100% of 198	50.3	PASS
443	15 - 24% of 442	17	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1735
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Lab File ID:	E20027535.D	Injection Date:	09/02/25
Instrument ID:	BNA#2	Injection Time:	08:51
Sequence:	S5I0215	Lab Sample ID:	S5I0215-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10 - 80% of 198	46.8	PASS
68	Less than 2% of 69	0	PASS
69	Less than 100% of 198	59.1	PASS
70	Less than 2% of 69	0.568	PASS
127	10 - 80% of 198	63.8	PASS
197	Less than 2% of 198	0.801	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.87	PASS
275	10 - 60% of 198	30.2	PASS
365	1 - 100% of 198	4.4	PASS
441	0.01 - 24% of 442	17.7	PASS
442	50 - 100% of 198	70.2	PASS
443	15 - 24% of 442	20.3	PASS

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

assoc pyrene in 5-RE only

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Sequence: S5G0933
Instrument: BNA#6
Calibration: SG50013

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5G0933-TUN1	SV67819.D	07/08/25 12:51
Cal Standard	S5G0933-CAL1	SV67822.D	07/08/25 14:23
Cal Standard	S5G0933-CAL2	SV67823.D	07/08/25 14:54
Cal Standard	S5G0933-CAL3	SV67824.D	07/08/25 15:25
Cal Standard	S5G0933-CAL4	SV67825.D	07/08/25 15:55
Cal Standard	S5G0933-CAL5	SV67826.D	07/08/25 16:26
Cal Standard	S5G0933-CAL6	SV67827.D	07/08/25 16:56
Cal Standard	S5G0933-CAL7	SV67828.D	07/08/25 17:27
Cal Standard	S5G0933-CAL8	SV67829.D	07/08/25 17:58
Secondary Cal Check	S5G0933-SCV1	SV67830.D	07/08/25 18:29
Secondary Cal Check	S5G0933-SCV2	SV67831.D	07/08/25 18:59

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

assoc 8,9,7-RE

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Sequence: S5H2508
Instrument: BNA#2
Calibration: SH50050

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H2508-TUN1	E20027269.D	08/24/25 17:37
Cal Standard	S5H2508-CAL2	E20027271.D	08/24/25 18:39
Cal Standard	S5H2508-CAL3	E20027272.D	08/24/25 19:10
Cal Standard	S5H2508-CAL4	E20027273.D	08/24/25 19:41
Cal Standard	S5H2508-CAL5	E20027274.D	08/24/25 20:12
Cal Standard	S5H2508-CAL6	E20027275.D	08/24/25 20:43
Cal Standard	S5H2508-CAL7	E20027276.D	08/24/25 21:14
Cal Standard	S5H2508-CAL8	E20027277.D	08/24/25 21:46
Secondary Cal Check	S5H2508-SCV1	E20027278.D	08/24/25 22:17
Secondary Cal Check	S5H2508-SCV2	E20027279.D	08/24/25 22:48

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

assoc 10,5,6

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2714

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA #4

Calibration: SH50055

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H2714-TUN1	SV4423728.D	08/26/25 08:45
Cal Standard	S5H2714-CAL3	SV4423733.D	08/26/25 16:12
Cal Standard	S5H2714-CAL4	SV4423734.D	08/26/25 16:42
Cal Standard	S5H2714-CAL5	SV4423735.D	08/26/25 17:12
Cal Standard	S5H2714-CAL6	SV4423736.D	08/26/25 17:42
Cal Standard	S5H2714-CAL7	SV4423737.D	08/26/25 18:12
Cal Standard	S5H2714-CAL8	SV4423738.D	08/26/25 18:41
Secondary Cal Check	S5H2714-SCV1	SV4423739.D	08/26/25 19:11
Secondary Cal Check	S5H2714-SCV2	SV4423740.D	08/26/25 19:40

curves validated in 25H1532

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2722	Instrument:	BNA#2
		Calibration:	SH50050

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H2722-TUN1	E20027350.D	08/27/25 08:21
Calibration Check	S5H2722-CCV1	E20027351.D	08/27/25 08:52
Blank	BH51930-BLK1	E20027360.D	08/27/25 13:31
LCS	BH51930-BS1	E20027361.D	08/27/25 14:02

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2832	Instrument:	BNA #4
		Calibration:	SH50055

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H2832-TUN1	SV4423779a.D	08/27/25 15:39
Calibration Check	S5H2832-CCV1	SV4423784a.D	08/27/25 18:39
HVAC DUP	25H1535-10	SV4423796.D	08/28/25 00:44
Blank	BH51937-BLK1	SV4423799.D	08/28/25 02:13
LCS	BH51937-BS1	SV4423800.D	08/28/25 02:43

curves validated in 25H1532

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2904	Instrument:	BNA #4
		Calibration:	SH50055

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H2904-TUN1	SV4423823.D	08/28/25 20:21
Calibration Check	S5H2904-CCV1	SV4423825.D	08/28/25 21:21
HVAC Bottom 3 ft	BH51937-MSD1	SV4423826.D	08/28/25 21:50
HVAC SW North 1-3	25H1535-05	SV4423833.D	08/29/25 01:16
HVAC SW South 1-3	25H1535-06	SV4423834.D	08/29/25 01:45
HVAC Bottom 3 ft	BH51937-MS1	SV4423835.D	08/29/25 02:15

curves validated in 25H1532

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

assoc sample 7 only

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2937

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA #1

Calibration: SH50067

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H2937-TUN1	BNA1-035176.D	08/29/25 09:21
Cal Standard	S5H2937-CAL1	BNA1-035178.D	08/29/25 10:21
Cal Standard	S5H2937-CAL2	BNA1-035179.D	08/29/25 10:52
Cal Standard	S5H2937-CAL3	BNA1-035180.D	08/29/25 11:22
Cal Standard	S5H2937-CAL4	BNA1-035181.D	08/29/25 11:53
Cal Standard	S5H2937-CAL5	BNA1-035182.D	08/29/25 12:23
Cal Standard	S5H2937-CAL6	BNA1-035183.D	08/29/25 12:54
Cal Standard	S5H2937-CAL7	BNA1-035184.D	08/29/25 13:24
Cal Standard	S5H2937-CAL8	BNA1-035185.D	08/29/25 13:55
Secondary Cal Check	S5H2937-SCV1	BNA1-035189.D	08/29/25 16:04
Secondary Cal Check	S5H2937-SCV2	BNA1-035190.D	08/29/25 16:35

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H3002	Instrument:	BNA#2
		Calibration:	SH50050

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H3002-TUN1	E20027461.D	08/29/25 20:31
Calibration Check	S5H3002-CCV1	E20027462.D	08/29/25 21:01
HVAC SW West 1-3	25H1535-08	E20027463.D	08/29/25 21:32
HVAC Bottom 3 ft	25H1535-09	E20027464.D	08/29/25 22:03

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H3103	Instrument:	BNA #1
		Calibration:	SH50067

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H3103-TUN1	BNA1-035229.D	08/30/25 17:30
Calibration Check	S5H3103-CCV1	BNA1-035230.D	08/30/25 18:00
HVAC SW East 1-3	25H1535-07	BNA1-035231.D	08/30/25 18:30



FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H3105	Instrument:	BNA#6
		Calibration:	SG50013

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H3105-TUN1	SV68794.D	08/29/25 20:43
Calibration Check	S5H3105-CCV1	SV68795.D	08/29/25 21:14
HVAC SW North 1-3	25H1535-05RE1	SV68798.D	08/29/25 22:48



Calibration used only to analyze Pyrene in sample 5

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5I0215	Instrument:	BNA#2
		Calibration:	SH50050

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5I0215-TUN1	E20027535.D	09/02/25 08:51
Calibration Check	S5I0215-CCV1	E20027537.D	09/02/25 10:04
HVAC SW East 1-3	25H1535-07RE1	E20027545.D	09/02/25 14:34



FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5G0933

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA#6

Calibration: SG50013

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5G0933-CAL1)			Lab File ID: SV67822.D			Analyzed: 07/08/25 14:23			
ISTD: 1,4-Dichlorobenzene-d4	4091728	4.86	4874211	4.86	84	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	13721660	5.78	21706410	5.78	63	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	10188190	7.28	12587640	7.28	81	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	19105360	9.29	23557710	9.3	81	50 - 200	-0.0100	+/-0.50	
ISTD: Chrysene-d12	22479450	14.74	28582410	14.75	79	50 - 200	-0.0100	+/-0.50	
ISTD: Perylene-d12	26784520	17.84	30133540	17.84	89	50 - 200	0.0000	+/-0.50	
Cal Standard (S5G0933-CAL2)			Lab File ID: SV67823.D			Analyzed: 07/08/25 14:54			
ISTD: 1,4-Dichlorobenzene-d4	3579925	4.86	4874211	4.86	73	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	12555080	5.78	21706410	5.78	58	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	8821582	7.28	12587640	7.28	70	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	16335560	9.29	23557710	9.3	69	50 - 200	-0.0100	+/-0.50	
ISTD: Chrysene-d12	19523660	14.74	28582410	14.75	68	50 - 200	-0.0100	+/-0.50	
ISTD: Perylene-d12	23119910	17.84	30133540	17.84	77	50 - 200	0.0000	+/-0.50	
Cal Standard (S5G0933-CAL3)			Lab File ID: SV67824.D			Analyzed: 07/08/25 15:25			
ISTD: 1,4-Dichlorobenzene-d4	4040206	4.86	4874211	4.86	83	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	15470730	5.78	21706410	5.78	71	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	10094740	7.28	12587640	7.28	80	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	18807780	9.29	23557710	9.3	80	50 - 200	-0.0100	+/-0.50	
ISTD: Chrysene-d12	22327790	14.74	28582410	14.75	78	50 - 200	-0.0100	+/-0.50	
ISTD: Perylene-d12	25954170	17.84	30133540	17.84	86	50 - 200	0.0000	+/-0.50	
Cal Standard (S5G0933-CAL4)			Lab File ID: SV67825.D			Analyzed: 07/08/25 15:55			
ISTD: 1,4-Dichlorobenzene-d4	4684670	4.86	4874211	4.86	96	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	18884810	5.78	21706410	5.78	87	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	11649960	7.28	12587640	7.28	93	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	21815480	9.29	23557710	9.3	93	50 - 200	-0.0100	+/-0.50	
ISTD: Chrysene-d12	26477000	14.74	28582410	14.75	93	50 - 200	-0.0100	+/-0.50	
ISTD: Perylene-d12	30018750	17.84	30133540	17.84	100	50 - 200	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5G0933

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA#6

Calibration: SG50013

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5G0933-CAL5)			Lab File ID: SV67826.D			Analyzed: 07/08/25 16:26			
ISTD: 1,4-Dichlorobenzene-d4	3632840	4.86	4874211	4.86	75	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	15241790	5.78	21706410	5.78	70	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	9296978	7.28	12587640	7.28	74	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	17525640	9.29	23557710	9.3	74	50 - 200	-0.0100	+/-0.50	
ISTD: Chrysene-d12	20728810	14.74	28582410	14.75	73	50 - 200	-0.0100	+/-0.50	
ISTD: Perylene-d12	22826520	17.83	30133540	17.84	76	50 - 200	-0.0100	+/-0.50	
Cal Standard (S5G0933-CAL6)			Lab File ID: SV67827.D			Analyzed: 07/08/25 16:56			
ISTD: 1,4-Dichlorobenzene-d4	4695938	4.86	4874211	4.86	96	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	19876920	5.78	21706410	5.78	92	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	11743670	7.28	12587640	7.28	93	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	22147120	9.29	23557710	9.3	94	50 - 200	-0.0100	+/-0.50	
ISTD: Chrysene-d12	26421520	14.74	28582410	14.75	92	50 - 200	-0.0100	+/-0.50	
ISTD: Perylene-d12	28593790	17.84	30133540	17.84	95	50 - 200	0.0000	+/-0.50	
Cal Standard (S5G0933-CAL7)			Lab File ID: SV67828.D			Analyzed: 07/08/25 17:27			
ISTD: 1,4-Dichlorobenzene-d4	4874211	4.86	4874211	4.86	100	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	21706410	5.78	2.170641E+07	5.78	100	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	12587640	7.28	1.258764E+07	7.28	100	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	23557710	9.3	2.355771E+07	9.3	100	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	28582410	14.75	2.858241E+07	14.75	100	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	30133540	17.84	3.013354E+07	17.84	100	50 - 200	0.0000	+/-0.50	
Cal Standard (S5G0933-CAL8)			Lab File ID: SV67829.D			Analyzed: 07/08/25 17:58			
ISTD: 1,4-Dichlorobenzene-d4	5226625	4.86	4874211	4.86	107	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	23600400	5.78	21706410	5.78	109	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	13293640	7.28	12587640	7.28	106	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	24622710	9.3	23557710	9.3	105	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	29701260	14.75	28582410	14.75	104	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	30120930	17.84	30133540	17.84	100	50 - 200	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5G0933

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA#6

Calibration: SG50013

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Secondary Cal Check (S5G0933-SCV1)			Lab File ID: SV67830.D			Analyzed: 07/08/25 18:29			
ISTD: 1,4-Dichlorobenzene-d4	4379090	4.86	4874211	4.86	90	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	17964020	5.78	21706410	5.78	83	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	11080650	7.28	12587640	7.28	88	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	21221030	9.29	23557710	9.3	90	50 - 200	-0.0100	+/-0.50	
ISTD: Chrysene-d12	24525170	14.74	28582410	14.75	86	50 - 200	-0.0100	+/-0.50	
ISTD: Perylene-d12	27350180	17.84	30133540	17.84	91	50 - 200	0.0000	+/-0.50	
Secondary Cal Check (S5G0933-SCV2)			Lab File ID: SV67831.D			Analyzed: 07/08/25 18:59			
ISTD: 1,4-Dichlorobenzene-d4	3798116	4.86	4874211	4.86	78	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	14603370	5.78	21706410	5.78	67	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	9197511	7.28	12587640	7.28	73	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	17469180	9.29	23557710	9.3	74	50 - 200	-0.0100	+/-0.50	
ISTD: Chrysene-d12	20775320	14.73	28582410	14.75	73	50 - 200	-0.0200	+/-0.50	
ISTD: Perylene-d12	22790400	17.83	30133540	17.84	76	50 - 200	-0.0100	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2508

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA#2

Calibration: SH50050

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H2508-CAL2)			Lab File ID: E20027271.D			Analyzed: 08/24/25 18:39			
ISTD: 1,4-Dichlorobenzene-d4	194042	5.506	170500	5.506	114	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	781423	6.45	723004	6.45	108	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	514381	8.144	437549	8.139	118	50 - 200	0.0050	+/-0.50	
ISTD: Phenanthrene-d10	1002165	10.303	872843	10.303	115	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	1220380	15.878	1138866	15.878	107	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	1386709	19.015	1325556	19.01	105	50 - 200	0.0050	+/-0.50	
Cal Standard (S5H2508-CAL3)			Lab File ID: E20027272.D			Analyzed: 08/24/25 19:10			
ISTD: 1,4-Dichlorobenzene-d4	223614	5.506	170500	5.506	131	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	883201	6.45	723004	6.45	122	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	599047	8.144	437549	8.139	137	50 - 200	0.0050	+/-0.50	
ISTD: Phenanthrene-d10	1171540	10.303	872843	10.303	134	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	1418120	15.878	1138866	15.878	125	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	1573834	19.015	1325556	19.01	119	50 - 200	0.0050	+/-0.50	
Cal Standard (S5H2508-CAL4)			Lab File ID: E20027273.D			Analyzed: 08/24/25 19:41			
ISTD: 1,4-Dichlorobenzene-d4	213289	5.506	170500	5.506	125	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	870698	6.45	723004	6.45	120	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	558597	8.144	437549	8.139	128	50 - 200	0.0050	+/-0.50	
ISTD: Phenanthrene-d10	1107322	10.303	872843	10.303	127	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	1310337	15.878	1138866	15.878	115	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	1429316	19.01	1325556	19.01	108	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H2508-CAL5)			Lab File ID: E20027274.D			Analyzed: 08/24/25 20:12			
ISTD: 1,4-Dichlorobenzene-d4	183055	5.506	170500	5.506	107	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	751699	6.45	723004	6.45	104	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	471173	8.139	437549	8.139	108	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	981559	10.303	872843	10.303	112	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	1153231	15.874	1138866	15.878	101	50 - 200	-0.0040	+/-0.50	
ISTD: Perylene-d12	1280139	19.01	1325556	19.01	97	50 - 200	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2508

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA#2

Calibration: SH50050

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H2508-CAL6)			Lab File ID: E20027275.D			Analyzed: 08/24/25 20:43			
ISTD: 1,4-Dichlorobenzene-d4	177917	5.506	170500	5.506	104	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	753862	6.45	723004	6.45	104	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	529729	8.139	437549	8.139	121	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	959269	10.303	872843	10.303	110	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	1149246	15.878	1138866	15.878	101	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	1383394	19.01	1325556	19.01	104	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H2508-CAL7)			Lab File ID: E20027276.D			Analyzed: 08/24/25 21:14			
ISTD: 1,4-Dichlorobenzene-d4	170500	5.506	170500	5.506	100	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	723004	6.45	723004	6.45	100	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	437549	8.139	437549	8.139	100	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	872843	10.303	872843	10.303	100	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	1138866	15.878	1138866	15.878	100	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	1325556	19.01	1325556	19.01	100	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H2508-CAL8)			Lab File ID: E20027277.D			Analyzed: 08/24/25 21:46			
ISTD: 1,4-Dichlorobenzene-d4	152183	5.506	170500	5.506	89	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	676063	6.45	723004	6.45	94	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	461634	8.139	437549	8.139	106	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	915861	10.303	872843	10.303	105	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	1019369	15.878	1138866	15.878	90	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	1076084	19.01	1325556	19.01	81	50 - 200	0.0000	+/-0.50	
Secondary Cal Check (S5H2508-SCV1)			Lab File ID: E20027278.D			Analyzed: 08/24/25 22:17			
ISTD: 1,4-Dichlorobenzene-d4	164572	5.506	170500	5.506	97	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	623982	6.45	723004	6.45	86	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	414084	8.144	437549	8.139	95	50 - 200	0.0050	+/-0.50	
ISTD: Phenanthrene-d10	916027	10.303	872843	10.303	105	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	965044	15.878	1138866	15.878	85	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	1064821	19.01	1325556	19.01	80	50 - 200	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2508

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA#2

Calibration: SH50050

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Secondary Cal Check (S5H2508-SCV2)			Lab File ID: E20027279.D			Analyzed: 08/24/25 22:48			
ISTD: 1,4-Dichlorobenzene-d4	154784	5.506	170500	5.506	91	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	618586	6.45	723004	6.45	86	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	421676	8.139	437549	8.139	96	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	841934	10.303	872843	10.303	96	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	1073001	15.873	1138866	15.878	94	50 - 200	-0.0050	+/-0.50	
ISTD: Perylene-d12	1170333	19.01	1325556	19.01	88	50 - 200	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2714

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA #4

Calibration: SH50055

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H2714-CAL3)			Lab File ID: SV4423733.D			Analyzed: 08/26/25 16:12			
ISTD: 1,4-Dichlorobenzene-d4	661770	5.449	690027	5.449	96	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	2780829	6.555	3121364	6.561	89	50 - 200	-0.0060	+/-0.50	
ISTD: Acenaphthene-d10	2034306	8.428	1926954	8.428	106	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	4269019	10.296	3969209	10.296	108	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	4605081	15.2	4853569	15.2	95	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	4191305	18.249	4147005	18.249	101	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H2714-CAL4)			Lab File ID: SV4423734.D			Analyzed: 08/26/25 16:42			
ISTD: 1,4-Dichlorobenzene-d4	655695	5.449	690027	5.449	95	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	2799882	6.555	3121364	6.561	90	50 - 200	-0.0060	+/-0.50	
ISTD: Acenaphthene-d10	2109879	8.428	1926954	8.428	109	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	4481925	10.29	3969209	10.296	113	50 - 200	-0.0060	+/-0.50	
ISTD: Chrysene-d12	4823821	15.2	4853569	15.2	99	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	4149113	18.249	4147005	18.249	100	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H2714-CAL5)			Lab File ID: SV4423735.D			Analyzed: 08/26/25 17:12			
ISTD: 1,4-Dichlorobenzene-d4	636997	5.449	690027	5.449	92	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	2752057	6.555	3121364	6.561	88	50 - 200	-0.0060	+/-0.50	
ISTD: Acenaphthene-d10	1911376	8.428	1926954	8.428	99	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	3774453	10.296	3969209	10.296	95	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	4463714	15.2	4853569	15.2	92	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	3999814	18.249	4147005	18.249	96	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H2714-CAL6)			Lab File ID: SV4423736.D			Analyzed: 08/26/25 17:42			
ISTD: 1,4-Dichlorobenzene-d4	633273	5.449	690027	5.449	92	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	2749903	6.554	3121364	6.561	88	50 - 200	-0.0070	+/-0.50	
ISTD: Acenaphthene-d10	1843500	8.428	1926954	8.428	96	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	3868478	10.295	3969209	10.296	97	50 - 200	-0.0010	+/-0.50	
ISTD: Chrysene-d12	4669926	15.2	4853569	15.2	96	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	4215331	18.249	4147005	18.249	102	50 - 200	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2714

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA #4

Calibration: SH50055

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H2714-CAL7)			Lab File ID: SV4423737.D			Analyzed: 08/26/25 18:12			
ISTD: 1,4-Dichlorobenzene-d4	690027	5.449	690027	5.449	100	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	3121364	6.561	3121364	6.561	100	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	1926954	8.428	1926954	8.428	100	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	3969209	10.296	3969209	10.296	100	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	4853569	15.2	4853569	15.2	100	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	4147005	18.249	4147005	18.249	100	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H2714-CAL8)			Lab File ID: SV4423738.D			Analyzed: 08/26/25 18:41			
ISTD: 1,4-Dichlorobenzene-d4	819561	5.449	690027	5.449	119	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	3880412	6.561	3121364	6.561	124	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	2510796	8.428	1926954	8.428	130	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	5114459	10.296	3969209	10.296	129	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	5935960	15.206	4853569	15.2	122	50 - 200	0.0060	+/-0.50	
ISTD: Perylene-d12	5080727	18.255	4147005	18.249	123	50 - 200	0.0060	+/-0.50	
Secondary Cal Check (S5H2714-SCV1)			Lab File ID: SV4423739.D			Analyzed: 08/26/25 19:11			
ISTD: 1,4-Dichlorobenzene-d4	666024	5.449	690027	5.449	97	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	2870448	6.561	3121364	6.561	92	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	2210924	8.428	1926954	8.428	115	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	4601256	10.296	3969209	10.296	116	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	5261590	15.2	4853569	15.2	108	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	4680674	18.249	4147005	18.249	113	50 - 200	0.0000	+/-0.50	
Secondary Cal Check (S5H2714-SCV2)			Lab File ID: SV4423740.D			Analyzed: 08/26/25 19:40			
ISTD: 1,4-Dichlorobenzene-d4	593478	5.449	690027	5.449	86	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	2425283	6.555	3121364	6.561	78	50 - 200	-0.0060	+/-0.50	
ISTD: Acenaphthene-d10	1862109	8.428	1926954	8.428	97	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	3980600	10.296	3969209	10.296	100	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	4721923	15.194	4853569	15.2	97	50 - 200	-0.0060	+/-0.50	
ISTD: Perylene-d12	4027723	18.243	4147005	18.249	97	50 - 200	-0.0060	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2722

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA#2

Calibration: SH50050

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5H2722-CCV1)			Lab File ID: E20027351.D			Analyzed: 08/27/25 08:52			
ISTD: 1,4-Dichlorobenzene-d4	150626	5.515	170500	5.506	88	50 - 200	0.0090	+/-0.50	
ISTD: Naphthalene-d8	653195	6.464	723004	6.45	90	50 - 200	0.0140	+/-0.50	
ISTD: Acenaphthene-d10	448010	8.158	437549	8.139	102	50 - 200	0.0190	+/-0.50	
ISTD: Phenanthrene-d10	927889	10.331	872843	10.303	106	50 - 200	0.0280	+/-0.50	
ISTD: Chrysene-d12	794827	15.935	1138866	15.878	70	50 - 200	0.0570	+/-0.50	
ISTD: Perylene-d12	670326	19.076	1325556	19.01	51	50 - 200	0.0660	+/-0.50	
Blank (BH51930-BLK1)			Lab File ID: E20027360.D			Analyzed: 08/27/25 13:31			
ISTD: 1,4-Dichlorobenzene-d4	137657	5.515	150626	5.515	91	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	534137	6.46	653195	6.464	82	50 - 200	-0.0040	+/-0.50	
ISTD: Acenaphthene-d10	373500	8.154	448010	8.158	83	50 - 200	-0.0040	+/-0.50	
ISTD: Phenanthrene-d10	785816	10.322	927889	10.331	85	50 - 200	-0.0090	+/-0.50	
ISTD: Chrysene-d12	930622	15.916	794827	15.935	117	50 - 200	-0.0190	+/-0.50	
ISTD: Perylene-d12	873241	19.067	670326	19.076	130	50 - 200	-0.0090	+/-0.50	
LCS (BH51930-BS1)			Lab File ID: E20027361.D			Analyzed: 08/27/25 14:02			
ISTD: 1,4-Dichlorobenzene-d4	161862	5.515	150626	5.515	107	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	635345	6.46	653195	6.464	97	50 - 200	-0.0040	+/-0.50	
ISTD: Acenaphthene-d10	434735	8.158	448010	8.158	97	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	862413	10.327	927889	10.331	93	50 - 200	-0.0040	+/-0.50	
ISTD: Chrysene-d12	809181	15.921	794827	15.935	102	50 - 200	-0.0140	+/-0.50	
ISTD: Perylene-d12	734647	19.067	670326	19.076	110	50 - 200	-0.0090	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2832

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA #4

Calibration: SH50055

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5H2832-CCV1)			Lab File ID: SV4423784a.D			Analyzed: 08/27/25 18:39			
ISTD: 1,4-Dichlorobenzene-d4	450052	5.455	690027	5.449	65	50 - 200	0.0060	+/-0.50	
ISTD: Naphthalene-d8	2128075	6.561	3121364	6.561	68	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	1420247	8.434	1926954	8.428	74	50 - 200	0.0060	+/-0.50	
ISTD: Phenanthrene-d10	3085582	10.296	3969209	10.296	78	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	3441812	15.212	4853569	15.2	71	50 - 200	0.0120	+/-0.50	
ISTD: Perylene-d12	3031726	18.261	4147005	18.249	73	50 - 200	0.0120	+/-0.50	
HVAC DUP (25H1535-10)			Lab File ID: SV4423796.D			Analyzed: 08/28/25 00:44			
ISTD: 1,4-Dichlorobenzene-d4	419501	5.455	450052	5.455	93	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	1708368	6.561	2128075	6.561	80	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	1489371	8.434	1420247	8.434	105	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	3004909	10.296	3085582	10.296	97	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	3148118	15.206	3441812	15.212	91	50 - 200	-0.0060	+/-0.50	
ISTD: Perylene-d12	2700691	18.261	3031726	18.261	89	50 - 200	0.0000	+/-0.50	
Blank (BH51937-BLK1)			Lab File ID: SV4423799.D			Analyzed: 08/28/25 02:13			
ISTD: 1,4-Dichlorobenzene-d4	490925	5.455	450052	5.455	109	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	2037600	6.56	2128075	6.561	96	50 - 200	-0.0010	+/-0.50	
ISTD: Acenaphthene-d10	1457745	8.434	1420247	8.434	103	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	3020817	10.296	3085582	10.296	98	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	3272886	15.206	3441812	15.212	95	50 - 200	-0.0060	+/-0.50	
ISTD: Perylene-d12	2632098	18.26	3031726	18.261	87	50 - 200	-0.0010	+/-0.50	
LCS (BH51937-BS1)			Lab File ID: SV4423800.D			Analyzed: 08/28/25 02:43			
ISTD: 1,4-Dichlorobenzene-d4	481974	5.455	450052	5.455	107	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	1955931	6.561	2128075	6.561	92	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	1257854	8.434	1420247	8.434	89	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	2427163	10.296	3085582	10.296	79	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	2791349	15.206	3441812	15.212	81	50 - 200	-0.0060	+/-0.50	
ISTD: Perylene-d12	2194414	18.261	3031726	18.261	72	50 - 200	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2904

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA #4

Calibration: SH50055

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5H2904-CCV1)			Lab File ID: SV4423825.D			Analyzed: 08/28/25 21:21			
ISTD: 1,4-Dichlorobenzene-d4	439208	5.455	690027	5.449	64	50 - 200	0.0060	+/-0.50	
ISTD: Naphthalene-d8	2012394	6.561	3121364	6.561	64	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	1272353	8.434	1926954	8.428	66	50 - 200	0.0060	+/-0.50	
ISTD: Phenanthrene-d10	2607768	10.302	3969209	10.296	66	50 - 200	0.0060	+/-0.50	
ISTD: Chrysene-d12	3341868	15.218	4853569	15.2	69	50 - 200	0.0180	+/-0.50	
ISTD: Perylene-d12	3396998	18.272	4147005	18.249	82	50 - 200	0.0230	+/-0.50	
Matrix Spike Dup (BH51937-MSD1)			Lab File ID: SV4423826.D			Analyzed: 08/28/25 21:50			
ISTD: 1,4-Dichlorobenzene-d4	433254	5.455	439208	5.455	99	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	1843106	6.56	2012394	6.561	92	50 - 200	-0.0010	+/-0.50	
ISTD: Acenaphthene-d10	1330261	8.434	1272353	8.434	105	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	2578197	10.296	2607768	10.302	99	50 - 200	-0.0060	+/-0.50	
ISTD: Chrysene-d12	3120412	15.218	3341868	15.218	93	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	3168856	18.278	3396998	18.272	93	50 - 200	0.0060	+/-0.50	
HVAC SW North 1-3 (25H1535-05)			Lab File ID: SV4423833.D			Analyzed: 08/29/25 01:16			
ISTD: 1,4-Dichlorobenzene-d4	498436	5.455	439208	5.455	113	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	1914168	6.561	2012394	6.561	95	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	1711452	8.434	1272353	8.434	135	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	3557504	10.302	2607768	10.302	136	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	3568791	15.229	3341868	15.218	107	50 - 200	0.0110	+/-0.50	
ISTD: Perylene-d12	3043806	18.29	3396998	18.272	90	50 - 200	0.0180	+/-0.50	
HVAC SW South 1-3 (25H1535-06)			Lab File ID: SV4423834.D			Analyzed: 08/29/25 01:45			
ISTD: 1,4-Dichlorobenzene-d4	501689	5.455	439208	5.455	114	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	1814774	6.561	2012394	6.561	90	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	1680639	8.434	1272353	8.434	132	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	3392547	10.302	2607768	10.302	130	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	3310343	15.224	3341868	15.218	99	50 - 200	0.0060	+/-0.50	
ISTD: Perylene-d12	2700468	18.284	3396998	18.272	79	50 - 200	0.0120	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2904

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA #4

Calibration: SH50055

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (BH51937-MS1)			Lab File ID: SV4423835.D			Analyzed: 08/29/25 02:15			
ISTD: 1,4-Dichlorobenzene-d4	512038	5.455	439208	5.455	117	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	2072815	6.56	2012394	6.561	103	50 - 200	-0.0010	+/-0.50	
ISTD: Acenaphthene-d10	1583227	8.434	1272353	8.434	124	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	3137626	10.301	2607768	10.302	120	50 - 200	-0.0010	+/-0.50	
ISTD: Chrysene-d12	3148981	15.223	3341868	15.218	94	50 - 200	0.0050	+/-0.50	
ISTD: Perylene-d12	2473641	18.278	3396998	18.272	73	50 - 200	0.0060	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2937

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: BNA #1
Calibration: SH50067

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H2937-CAL1)			Lab File ID: BNA1-035178.D			Analyzed: 08/29/25 10:21			
ISTD: 1,4-Dichlorobenzene-d4	1112801	5.506	1242722	5.506	90	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	4270193	6.61	5486878	6.61	78	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	2847005	8.516	3407306	8.516	84	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	5095279	10.364	6026673	10.37	85	50 - 200	-0.0060	+/-0.50	
ISTD: Chrysene-d12	6105846	15.281	7238929	15.287	84	50 - 200	-0.0060	+/-0.50	
ISTD: Perylene-d12	7116922	18.332	7946022	18.338	90	50 - 200	-0.0060	+/-0.50	
Cal Standard (S5H2937-CAL2)			Lab File ID: BNA1-035179.D			Analyzed: 08/29/25 10:52			
ISTD: 1,4-Dichlorobenzene-d4	1126166	5.506	1242722	5.506	91	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	4406163	6.61	5486878	6.61	80	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	2956076	8.516	3407306	8.516	87	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	5280195	10.364	6026673	10.37	88	50 - 200	-0.0060	+/-0.50	
ISTD: Chrysene-d12	6099732	15.281	7238929	15.287	84	50 - 200	-0.0060	+/-0.50	
ISTD: Perylene-d12	6949353	18.332	7946022	18.338	87	50 - 200	-0.0060	+/-0.50	
Cal Standard (S5H2937-CAL3)			Lab File ID: BNA1-035180.D			Analyzed: 08/29/25 11:22			
ISTD: 1,4-Dichlorobenzene-d4	1167007	5.506	1242722	5.506	94	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	4678187	6.61	5486878	6.61	85	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	3172206	8.516	3407306	8.516	93	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	5660463	10.365	6026673	10.37	94	50 - 200	-0.0050	+/-0.50	
ISTD: Chrysene-d12	6325678	15.281	7238929	15.287	87	50 - 200	-0.0060	+/-0.50	
ISTD: Perylene-d12	6945537	18.332	7946022	18.338	87	50 - 200	-0.0060	+/-0.50	
Cal Standard (S5H2937-CAL4)			Lab File ID: BNA1-035181.D			Analyzed: 08/29/25 11:53			
ISTD: 1,4-Dichlorobenzene-d4	1156511	5.506	1242722	5.506	93	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	4719289	6.61	5486878	6.61	86	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	3102934	8.516	3407306	8.516	91	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	5577862	10.364	6026673	10.37	93	50 - 200	-0.0060	+/-0.50	
ISTD: Chrysene-d12	6607576	15.281	7238929	15.287	91	50 - 200	-0.0060	+/-0.50	
ISTD: Perylene-d12	7489578	18.332	7946022	18.338	94	50 - 200	-0.0060	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2937

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA #1

Calibration: SH50067

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H2937-CAL5)			Lab File ID: BNA1-035182.D			Analyzed: 08/29/25 12:23			
ISTD: 1,4-Dichlorobenzene-d4	1233390	5.506	1242722	5.506	99	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	5115374	6.61	5486878	6.61	93	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	3343548	8.516	3407306	8.516	98	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	5914110	10.37	6026673	10.37	98	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	7041538	15.287	7238929	15.287	97	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	7966526	18.332	7946022	18.338	100	50 - 200	-0.0060	+/-0.50	
Cal Standard (S5H2937-CAL6)			Lab File ID: BNA1-035183.D			Analyzed: 08/29/25 12:54			
ISTD: 1,4-Dichlorobenzene-d4	1284776	5.506	1242722	5.506	103	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	5443700	6.61	5486878	6.61	99	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	3468575	8.516	3407306	8.516	102	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	6015194	10.37	6026673	10.37	100	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	6801715	15.287	7238929	15.287	94	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	7470197	18.332	7946022	18.338	94	50 - 200	-0.0060	+/-0.50	
Cal Standard (S5H2937-CAL7)			Lab File ID: BNA1-035184.D			Analyzed: 08/29/25 13:24			
ISTD: 1,4-Dichlorobenzene-d4	1242722	5.506	1242722	5.506	100	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	5486878	6.61	5486878	6.61	100	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	3407306	8.516	3407306	8.516	100	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	6026673	10.37	6026673	10.37	100	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	7238929	15.287	7238929	15.287	100	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	7946022	18.338	7946022	18.338	100	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H2937-CAL8)			Lab File ID: BNA1-035185.D			Analyzed: 08/29/25 13:55			
ISTD: 1,4-Dichlorobenzene-d4	1402741	5.506	1242722	5.506	113	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	6231260	6.61	5486878	6.61	114	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	3834359	8.516	3407306	8.516	113	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	6697734	10.37	6026673	10.37	111	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	8147203	15.293	7238929	15.287	113	50 - 200	0.0060	+/-0.50	
ISTD: Perylene-d12	8792859	18.338	7946022	18.338	111	50 - 200	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2937

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA #1

Calibration: SH50067

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Secondary Cal Check (S5H2937-SCV1)			Lab File ID: BNA1-035189.D			Analyzed: 08/29/25 16:04			
ISTD: 1,4-Dichlorobenzene-d4	1373675	5.506	1242722	5.506	111	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	5437167	6.61	5486878	6.61	99	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	3578128	8.522	3407306	8.516	105	50 - 200	0.0060	+/-0.50	
ISTD: Phenanthrene-d10	6453097	10.37	6026673	10.37	107	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	7488809	15.293	7238929	15.287	103	50 - 200	0.0060	+/-0.50	
ISTD: Perylene-d12	9237676	18.338	7946022	18.338	116	50 - 200	0.0000	+/-0.50	
Secondary Cal Check (S5H2937-SCV2)			Lab File ID: BNA1-035190.D			Analyzed: 08/29/25 16:35			
ISTD: 1,4-Dichlorobenzene-d4	1386606	5.506	1242722	5.506	112	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	5429543	6.61	5486878	6.61	99	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	3643387	8.516	3407306	8.516	107	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	6318660	10.37	6026673	10.37	105	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	7978061	15.281	7238929	15.287	110	50 - 200	-0.0060	+/-0.50	
ISTD: Perylene-d12	9259099	18.332	7946022	18.338	117	50 - 200	-0.0060	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H3002

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA#2

Calibration: SH50050

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5H3002-CCV1)			Lab File ID: E20027462.D			Analyzed: 08/29/25 21:01			
ISTD: 1,4-Dichlorobenzene-d4	174996	5.515	170500	5.506	103	50 - 200	0.0090	+/-0.50	
ISTD: Naphthalene-d8	764614	6.46	723004	6.45	106	50 - 200	0.0100	+/-0.50	
ISTD: Acenaphthene-d10	528372	8.158	437549	8.139	121	50 - 200	0.0190	+/-0.50	
ISTD: Phenanthrene-d10	1131017	10.331	872843	10.303	130	50 - 200	0.0280	+/-0.50	
ISTD: Chrysene-d12	1162166	15.935	1138866	15.878	102	50 - 200	0.0570	+/-0.50	
ISTD: Perylene-d12	925930	19.081	1325556	19.01	70	50 - 200	0.0710	+/-0.50	
HVAC SW West 1-3 (25H1535-08)			Lab File ID: E20027463.D			Analyzed: 08/29/25 21:32			
ISTD: 1,4-Dichlorobenzene-d4	204237	5.515	174996	5.515	117	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	807153	6.459	764614	6.46	106	50 - 200	-0.0010	+/-0.50	
ISTD: Acenaphthene-d10	577016	8.158	528372	8.158	109	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	1102175	10.331	1131017	10.331	97	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	879099	15.94	1162166	15.935	76	50 - 200	0.0050	+/-0.50	
ISTD: Perylene-d12	915877	19.095	925930	19.081	99	50 - 200	0.0140	+/-0.50	
HVAC Bottom 3 ft (25H1535-09)			Lab File ID: E20027464.D			Analyzed: 08/29/25 22:03			
ISTD: 1,4-Dichlorobenzene-d4	165711	5.515	174996	5.515	95	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	652759	6.46	764614	6.46	85	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	488206	8.158	528372	8.158	92	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	932883	10.331	1131017	10.331	82	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	723613	15.94	1162166	15.935	62	50 - 200	0.0050	+/-0.50	
ISTD: Perylene-d12	804397	19.095	925930	19.081	87	50 - 200	0.0140	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H3103

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA #1

Calibration: SH50067

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5H3103-CCV1)			Lab File ID: BNA1-035230.D			Analyzed: 08/30/25 18:00			
ISTD: 1,4-Dichlorobenzene-d4	1780485	5.506	1242722	5.506	143	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	7253259	6.616	5486878	6.61	132	50 - 200	0.0060	+/-0.50	
ISTD: Acenaphthene-d10	4533052	8.522	3407306	8.516	133	50 - 200	0.0060	+/-0.50	
ISTD: Phenanthrene-d10	7393427	10.376	6026673	10.37	123	50 - 200	0.0060	+/-0.50	
ISTD: Chrysene-d12	8681103	15.304	7238929	15.287	120	50 - 200	0.0170	+/-0.50	
ISTD: Perylene-d12	10809030	18.355	7946022	18.338	136	50 - 200	0.0170	+/-0.50	
HVAC SW East 1-3 (25H1535-07)			Lab File ID: BNA1-035231.D			Analyzed: 08/30/25 18:30			
ISTD: 1,4-Dichlorobenzene-d4	2501954	5.506	1780485	5.506	141	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	8704495	6.616	7253259	6.616	120	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	5899667	8.522	4533052	8.522	130	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	9271168	10.376	7393427	10.376	125	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	11372760	15.316	8681103	15.304	131	50 - 200	0.0120	+/-0.50	
ISTD: Perylene-d12	14124670	18.385	10809030	18.355	131	50 - 200	0.0300	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H3105

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA#6

Calibration: SG50013

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5H3105-CCV1)			Lab File ID: SV68795.D			Analyzed: 08/29/25 21:14			
ISTD: 1,4-Dichlorobenzene-d4	4551894	4.85	4874211	4.86	93	50 - 200	-0.0100	+/-0.50	
ISTD: Naphthalene-d8	18551220	5.78	2.170641E+07	5.78	85	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	10292890	7.28	1.258764E+07	7.28	82	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	19485090	9.3	2.355771E+07	9.3	83	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	24563160	14.78	2.858241E+07	14.75	86	50 - 200	0.0300	+/-0.50	
ISTD: Perylene-d12	32089840	17.92	3.013354E+07	17.84	106	50 - 200	0.0800	+/-0.50	
HVAC SW North 1-3 (25H1535-05RE1)			Lab File ID: SV68798.D			Analyzed: 08/29/25 22:48			
ISTD: 1,4-Dichlorobenzene-d4	3573296	4.86	4551894	4.85	79	50 - 200	0.0100	+/-0.50	
ISTD: Naphthalene-d8	9890157	5.79	18551220	5.78	53	50 - 200	0.0100	+/-0.50	
ISTD: Acenaphthene-d10	8447743	7.29	10292890	7.28	82	50 - 200	0.0100	+/-0.50	
ISTD: Phenanthrene-d10	21657550	9.3	19485090	9.3	111	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	26809360	14.78	24563160	14.78	109	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	30365050	17.91	32089840	17.92	95	50 - 200	-0.0100	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5I0215

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA#2

Calibration: SH50050

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5I0215-CCV1)			Lab File ID: E20027537.D			Analyzed: 09/02/25 10:04			
ISTD: 1,4-Dichlorobenzene-d4	236742	5.515	170500	5.506	139	50 - 200	0.0090	+/-0.50	
ISTD: Naphthalene-d8	971531	6.464	723004	6.45	134	50 - 200	0.0140	+/-0.50	
ISTD: Acenaphthene-d10	612256	8.163	437549	8.139	140	50 - 200	0.0240	+/-0.50	
ISTD: Phenanthrene-d10	1296037	10.341	872843	10.303	148	50 - 200	0.0380	+/-0.50	
ISTD: Chrysene-d12	1363991	15.945	1138866	15.878	120	50 - 200	0.0670	+/-0.50	
ISTD: Perylene-d12	1074928	19.095	1325556	19.01	81	50 - 200	0.0850	+/-0.50	
HVAC SW East 1-3 (25H1535-07RE1)			Lab File ID: E20027545.D			Analyzed: 09/02/25 14:34			
ISTD: 1,4-Dichlorobenzene-d4	194492	5.515	236742	5.515	82	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	730699	6.46	971531	6.464	75	50 - 200	-0.0040	+/-0.50	
ISTD: Acenaphthene-d10	538230	8.158	612256	8.163	88	50 - 200	-0.0050	+/-0.50	
ISTD: Phenanthrene-d10	1053111	10.336	1296037	10.341	81	50 - 200	-0.0050	+/-0.50	
ISTD: Chrysene-d12	1029010	15.945	1363991	15.945	75	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	1183883	19.105	1074928	19.095	110	50 - 200	0.0100	+/-0.50	

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SG50013

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA#6

Calibration Date: 07/08/25 00:34

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
1,1-Biphenyl	1.25	~~0.4680337~~	2.5	~~0.5794861~~	5	0.6854366	10	0.6344502	15	0.6262545	20	0.6014743
1,2,4,5-Tetrachlorobenzene	1.25	~~0.6421333~~	2.5	~~0.5770031~~	5	0.6284461	10	0.632523	15	0.7346376	20	0.5818495
1,2,4-Trichlorobenzene	1.25	~~0.2927716~~	2.5	~~0.3480918~~	5	0.3737391	10	0.33708	15	0.3320028	20	0.315777
1,2-Dichlorobenzene	1.25	~~1.270114~~	2.5	~~1.468192~~	5	1.721855	10	1.534897	15	1.585376	20	1.479301
1,2-Diphenylhydrazine (as Azobenzene)	1.25	~~0.5598513~~	2.5	~~0.7104236~~	5	0.7991612	10	0.7502515	15	0.7404738	20	0.7153687
1,3-Dichlorobenzene	1.25	~~1.355742~~	2.5	~~1.502239~~	5	1.723772	10	1.606519	15	1.624628	20	1.538309
1,4-Dichlorobenzene	1.25	~~1.42332~~	2.5	~~1.573923~~	5	1.74662	10	1.621368	15	1.68789	20	1.553528
1-Methylnaphthalene	1.25	~~0.6882876~~	2.5	~~0.7427636~~	5	0.7584578	10	0.675308	15	0.6625047	20	0.6349334
2,3,4,6-Tetrachlorophenol	1.25	7.831185E-02	2.5	0.1138408	5	0.1522417	10	0.1437395	15	0.1450886	20	0.137862
2,4,5-Trichlorophenol	1.25	0.3887073	2.5	0.4348245	5	0.5100209	10	0.4584905	15	0.4603245	20	0.4427093
2,4,6-Trichlorophenol	1.25	0.2839115	2.5	0.3151199	5	0.4010382	10	0.3901771	15	0.3941143	20	0.3821594
2,4-Dichlorophenol	1.25	0.1967995	2.5	0.249095	5	0.3220585	10	0.3032893	15	0.2972932	20	0.2818242
2,4-Dimethylphenol	1.25	0.1461398	2.5	0.2331652	5	0.3045953	10	0.280107	15	0.2850349	20	0.2833457
2,4-Dinitrophenol	1.25	3.161936E-02	2.5	9.255664E-02	5	0.1363054	10	0.1543157	15	0.1624126	20	0.1694911
2,4-Dinitrotoluene	1.25	~~0.297455~~	2.5	~~0.378236~~	5	0.4569025	10	0.4434209	15	0.4361913	20	0.4463857
2,6-Dinitrotoluene	1.25	~~0.2136434~~	2.5	~~0.2706326~~	5	0.3290292	10	0.3272743	15	0.32062	20	0.3189402
2-Chloronaphthalene	1.25	~~0.9247696~~	2.5	~~1.067204~~	5	1.246259	10	1.168671	15	1.163099	20	1.12654
2-Chlorophenol	1.25	1.187238	2.5	1.316801	5	1.592152	10	1.420886	15	1.415185	20	1.368512
2-Methylnaphthalene	1.25	~~0.676886~~	2.5	~~0.6621613~~	5	0.8600096	10	0.756862	15	0.75133	20	0.7072891
2-Methylphenol	1.25	0.7650948	2.5	0.9685745	5	1.224058	10	1.13088	15	1.169294	20	1.134857
2-Nitroaniline	1.25	~~0.2826111~~	2.5	~~0.3527694~~	5	0.4442424	10	0.4201415	15	0.4280341	20	0.4185089
2-Nitrophenol	1.25	0.1656499	2.5	0.185739	5	0.2144633	10	0.1954631	15	0.2021189	20	0.1909266
3- & 4-Methylphenols	1.25	1.342001	2.5	1.46724	5	1.861982	10	1.757884	15	1.829354	20	1.761308
3,3-Dichlorobenzidine	1.25	~~0.320879~~	2.5	~~0.8164887~~	5	0.5704031	10	0.6239418	15	0.7054011	20	0.7093366
3-Nitroaniline	1.25	~~0.2826111~~	2.5	~~0.3527694~~	5	0.4442424	10	0.4201415	15	0.4280341	20	0.4185089
4,6-Dinitro-2-methylphenol	1.25	4.314266E-02	2.5	8.434997E-02	5	0.1204157	10	0.1305772	15	0.1341309	20	0.1370541
4-Bromophenyl phenyl ether	1.25	~~0.1913264~~	2.5	~~0.2266986~~	5	0.2696616	10	0.2489766	15	0.2450213	20	0.2410564
4-Chloro-3-methylphenol	1.25	0.3231026	2.5	0.3543464	5	0.3599696	10	0.3229343	15	0.3244814	20	0.3028759

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SG50013

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA#6

Calibration Date: 07/08/25 00:34

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
4-Chloroaniline	1.25	~~0.4386828~~	2.5	~~0.3687075~~	5	0.4739236	10	0.445474	15	0.4629815	20	0.4374286
4-Chlorophenyl phenyl ether	1.25	~~0.5652411~~	2.5	~~0.6455132~~	5	0.7934033	10	0.7080797	15	0.7119569	20	0.7002276
4-Nitroaniline	1.25	~~0.2545536~~	2.5	~~0.3333552~~	5	0.4087142	10	0.4070053	15	0.3965547	20	0.3927655
4-Nitrophenol	1.25	0.1602169	2.5	0.195165	5	0.2625811	10	0.2645235	15	0.2653989	20	0.2538905
Acenaphthene	1.25	~~0.9905869~~	2.5	~~1.163639~~	5	1.337279	10	1.167365	15	1.263241	20	1.137056
Acenaphthylene	1.25	~~1.602018~~	2.5	~~1.789299~~	5	2.073796	10	1.934912	15	1.910564	20	1.868315
Acetophenone	1.25	~~2.049692~~	2.5	~~1.782831~~	5	2.085262	10	2.046342	15	2.490707	20	1.938466
Alpha Terpineol	1.25	~~0.1824666~~	2.5	~~0.1840772~~	5	0.2458521	10	0.2376215	15	0.2362842	20	0.2226927
Aniline	1.25	~~1.552721~~	2.5	~~1.875154~~	5	2.163308	10	1.869347	15	1.941049	20	1.848899
Anthracene	1.25	~~0.8795136~~	2.5	~~1.124826~~	5	1.330243	10	1.210757	15	1.197386	20	1.137631
Atrazine	1.25	~~0.2343552~~	2.5	~~0.2455698~~	5	0.2451454	10	0.2415127	15	0.2741888	20	0.2193735
Benzaldehyde	1.25	~~1.264843~~	2.5	~~1.138397~~	5	1.247398	10	1.117577	15	1.321578	20	0.9520266
Benzidine	1.25	~~0.2512752~~	2.5	~~1.037847~~	5	0.7108599	10	0.712717	15	0.9032766	20	0.8314327
Benzo(a)anthracene	1.25	~~1.103018~~	2.5	~~1.253238~~	5	1.406277	10	1.287266	15	1.28812	20	1.242642
Benzo(a)pyrene	1.25	~~0.9948073~~	2.5	~~1.216889~~	5	1.394156	10	1.299043	15	1.286114	20	1.232214
Benzo(b)fluoranthene	1.25	~~0.9632008~~	2.5	~~1.176932~~	5	1.424779	10	1.322977	15	1.311576	20	1.25913
Benzo(g,h,i)perylene	1.25	~~0.8261942~~	2.5	~~0.9878177~~	5	1.121603	10	1.066139	15	1.076271	20	1.061102
Benzo(k)fluoranthene	1.25	~~1.120494~~	2.5	~~1.337722~~	5	1.551235	10	1.414021	15	1.408684	20	1.321371
Benzoic acid	1.25	~~0.2139683~~	2.5	~~0.1466014~~	5	0.3209364	10	0.2981152	15	0.2858051	20	0.2904091
Benzyl alcohol	1.25	~~0.6770186~~	2.5	~~0.8081957~~	5	1.005846	10	0.930866	15	0.9695342	20	0.9060758
Benzyl butyl phthalate	1.25	~~0.3631875~~	2.5	~~0.442962~~	5	0.5486146	10	0.5150055	15	0.5211275	20	0.5085289
Bis(2-chloroethoxy)methane	1.25	~~0.2822446~~	2.5	~~0.3431268~~	5	0.4559749	10	0.3945131	15	0.3897089	20	0.3726769
Bis(2-chloroethyl)ether	1.25	~~1.191516~~	2.5	~~1.205643~~	5	1.438548	10	1.308358	15	1.331099	20	1.23733
Bis(2-chloroisopropyl)ether	1.25	~~0.8139192~~	2.5	~~0.9390498~~	5	1.122767	10	1.022019	15	1.032917	20	0.9776688
Bis(2-ethylhexyl)phthalate	1.25	~~0.4870639~~	2.5	~~0.6004882~~	5	0.7581537	10	0.7191546	15	0.7244877	20	0.7098836
Caprolactam	1.25	~~0.1603305~~	2.5	~~0.1504131~~	5	0.1377311	10	0.1324074	15	0.148346	20	9.357677E-02
Carbazole	1.25	~~0.8540347~~	2.5	~~1.090433~~	5	1.246149	10	1.194118	15	1.145924	20	1.117434
Chrysene	1.25	~~1.005173~~	2.5	~~1.231646~~	5	1.321681	10	1.225138	15	1.227424	20	1.193314

FORM VI INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SG50013
Instrument: BNA#6
Calibration Date: 07/08/25 00:34

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Dibenzo(a,h)anthracene	1.25	~~0.8620693~~	2.5	~~0.9248347~~	5	1.17434	10	1.125788	15	1.135446	20	1.083453
Dibenzofuran	1.25	~~1.424727~~	2.5	~~1.687739~~	5	1.943131	10	1.747137	15	1.76674	20	1.714822
Diethyl phthalate	1.25	~~1.088046~~	2.5	~~1.217715~~	5	1.475182	10	1.381886	15	1.37338	20	1.355609
Dimethyl phthalate	1.25	~~1.114071~~	2.5	~~1.281581~~	5	1.485084	10	1.402854	15	1.387185	20	1.354904
Di-n-butyl phthalate	1.25	~~0.9074346~~	2.5	~~1.131992~~	5	1.367837	10	1.327929	15	1.306916	20	1.304776
Di-n-octyl phthalate	1.25	~~0.7856904~~	2.5	~~1.017003~~	5	1.29281	10	1.258608	15	1.254803	20	1.244197
Diphenylamine	1.25	~~0.4688125~~	2.5	~~0.5462116~~	5	0.6427298	10	0.5863986	15	0.600676	20	0.5706369
Fluoranthene	1.25	~~1.057705~~	2.5	~~1.30381~~	5	1.53209	10	1.451792	15	1.432204	20	1.383001
Fluorene	1.25	~~1.193969~~	2.5	~~1.388154~~	5	1.630259	10	1.494965	15	1.472856	20	1.45364
Hexachlorobenzene	1.25	~~7.550384E-02~~	2.5	~~0.0896841~~	5	0.1012228	10	9.662955E-02	15	9.074506E-02	20	8.699235E-02
Hexachlorobutadiene	1.25	~~0.1672078~~	2.5	~~0.1866769~~	5	0.2200222	10	0.2007383	15	0.192644	20	0.187766
Hexachlorocyclopentadiene	1.25	~~0.2494496~~	2.5	~~0.2820682~~	5	0.3787882	10	0.3608744	15	0.3723848	20	0.3612244
Hexachloroethane	1.25	~~0.5005611~~	2.5	~~0.5259239~~	5	0.6653898	10	0.6054779	15	0.6225777	20	0.5831632
Indeno(1,2,3-cd)pyrene	1.25	~~0.8051325~~	2.5	~~0.9837298~~	5	1.058167	10	1.028328	15	1.06583	20	1.051476
Isophorone	1.25	~~0.5410377~~	2.5	~~0.5876378~~	5	0.7807058	10	0.7021451	15	0.6974512	20	0.6656163
Naphthalene	1.25	~~1.099398~~	2.5	~~1.047367~~	5	1.200542	10	1.101622	15	1.082265	20	1.042789
Nitrobenzene	1.25	~~0.3822301~~	2.5	~~0.4120786~~	5	0.4431289	10	0.3831128	15	0.3821254	20	0.3529384
N-Nitrosodimethylamine	1.25	~~0.6733976~~	2.5	~~0.7431262~~	5	0.8760524	10	0.8162983	15	0.8318436	20	0.7913039
N-nitroso-di-n-propylamine	1.25	~~0.7015207~~	2.5	~~0.8016034~~	5	1.126192	10	1.070048	15	1.108426	20	1.080486
N-Nitrosodiphenylamine	1.25	~~0.1611711~~	2.5	~~0.1951688~~	5	0.2302651	10	0.2158277	15	0.2102402	20	0.2011237
Parathion	1.25	~~7.733453E-02~~	2.5	~~0.1146407~~	5	0.1561396	10	0.1555899	15	0.1553664	20	0.1571711
Pentachloronitrobenzene	1.25	~~6.312113E-02~~	2.5	~~9.140697E-02~~	5	0.120283	10	0.1047509	15	0.1090482	20	0.1062758
Pentachlorophenol	1.25	8.477956E-02	2.5	9.733759E-02	5	0.1369136	10	0.1533009	15	0.1548961	20	0.1603117
Phenanthrene	1.25	~~0.9465725~~	2.5	~~1.114126~~	5	1.278516	10	1.198557	15	1.167976	20	1.126965
Phenol	1.25	1.460109	2.5	1.670207	5	2.037132	10	1.857782	15	1.890912	20	1.826079
Pyrene	1.25	~~0.9286106~~	2.5	~~1.1483~~	5	1.3281	10	1.234625	15	1.223595	20	1.179523
Pyridine	1.25	~~1.19674~~	2.5	~~1.467383~~	5	1.598653	10	1.465258	15	1.525973	20	1.346642
SURR: 2,4,6-Tribromophenol	1.25	8.857326E-02	2.5	0.1155163	5	0.129771	10	0.1223285	15	0.1255418	20	0.1214077
SURR: 2-Fluorobiphenyl	1.25	1.116289	2.5	1.257966	5	1.487172	10	1.381609	15	1.383	20	1.339298

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SG50013
Instrument: BNA#6
Calibration Date: 07/08/25 00:34

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
SURR: 2-Fluorophenol	1.25	1.07132	2.5	1.241769	5	1.439798	10	1.273486	15	1.303774	20	1.238326
SURR: Nitrobenzene-d5	1.25	0.360782	2.5	0.3864762	5	0.443085	10	0.3775703	15	0.3747884	20	0.3567098
SURR: Phenol-d6	1.25	1.371548	2.5	1.503504	5	1.844377	10	1.697792	15	1.733811	20	1.669838
SURR: Terphenyl-d14	1.25	0.7060956	2.5	0.9210232	5	1.074215	10	0.9933178	15	0.9939942	20	0.9738857

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SG50013
Instrument: BNA#6
Calibration Date: 07/08/25 00:34

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
1,1-Biphenyl	30	0.5710495	40	0.5842973								
1,2,4,5-Tetrachlorobenzene	30	0.5501138	40	0.64473								
1,2,4-Trichlorobenzene	30	0.2942968	40	0.2899919								
1,2-Dichlorobenzene	30	1.429413	40	1.450352								
1,2-Diphenylhydrazine (as Azobenzene)	30	0.6794197	40	0.6695839								
1,3-Dichlorobenzene	30	1.459307	40	1.452857								
1,4-Dichlorobenzene	30	1.486343	40	1.514997								
1-Methylnaphthalene	30	0.5831913	40	0.5788097								
2,3,4,6-Tetrachlorophenol	30	0.1302599	40	0.132534								
2,4,5-Trichlorophenol	30	0.4109438	40	0.403472								
2,4,6-Trichlorophenol	30	0.3703221	40	0.3665465								
2,4-Dichlorophenol	30	0.2648313	40	0.261898								
2,4-Dimethylphenol	30	0.2482008	40	0.2413664								
2,4-Dinitrophenol	30	0.1821984	40	0.1851874								
2,4-Dinitrotoluene	30	0.4170688	40	0.4105779								
2,6-Dinitrotoluene	30	0.2995198	40	0.2991956								
2-Chloronaphthalene	30	1.051108	40	1.082504								
2-Chlorophenol	30	1.290094	40	1.319756								
2-Methylnaphthalene	30	0.657888	40	0.6398294								
2-Methylphenol	30	1.066497	40	1.059681								
2-Nitroaniline	30	0.398047	40	0.3917826								
2-Nitrophenol	30	0.1732557	40	0.1705157								
3- & 4-Methylphenols	30	1.751781	40	1.792315								
3,3-Dichlorobenzidine	30	0.6103082	40	0.5910514								
3-Nitroaniline	30	0.398047	40	0.3917826								
4,6-Dinitro-2-methylphenol	30	0.1394194	40	0.1378529								
4-Bromophenyl phenyl ether	30	0.2290739	40	0.2291764								
4-Chloro-3-methylphenol	30	0.282067	40	0.2697858								

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SG50013
Instrument: BNA#6
Calibration Date: 07/08/25 00:34

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
4-Chloroaniline	30	0.4038341	40	0.4048193								
4-Chlorophenyl phenyl ether	30	0.6689116	40	0.6704214								
4-Nitroaniline	30	0.3710517	40	0.3593386								
4-Nitrophenol	30	0.2476267	40	0.2402672								
Acenaphthene	30	1.08362	40	1.094135								
Acenaphthylene	30	1.759804	40	1.772568								
Acetophenone	30	1.9473	40	2.232747								
Alpha Terpineol	30	0.2089682	40	0.2063938								
Aniline	30	1.759154	40	1.741867								
Anthracene	30	1.094159	40	1.074417								
Atrazine	30	0.2056193	40	0.2257218								
Benzaldehyde	30	0.9213818	40	0.953786								
Benzidine	30	0.6799093	40	0.646822								
Benzo(a)anthracene	30	1.195728	40	1.149463								
Benzo(a)pyrene	30	1.177472	40	1.112389								
Benzo(b)fluoranthene	30	1.201712	40	1.147306								
Benzo(g,h,i)perylene	30	1.042702	40	1.012965								
Benzo(k)fluoranthene	30	1.254591	40	1.193154								
Benzoic acid	30	0.2652864	40	0.2665932								
Benzyl alcohol	30	0.9014708	40	0.9089684								
Benzyl butyl phthalate	30	0.4945596	40	0.4822566								
Bis(2-chloroethoxy)methane	30	0.3387178	40	0.3393929								
Bis(2-chloroethyl)ether	30	1.162168	40	1.195353								
Bis(2-chloroisopropyl)ether	30	0.9213214	40	0.8986562								
Bis(2-ethylhexyl)phthalate	30	0.6877918	40	0.6679151								
Caprolactam	30	8.805381E-02	40	9.712696E-02								
Carbazole	30	1.069181	40	1.066673								
Chrysene	30	1.121737	40	1.084075								

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SG50013
Instrument: BNA#6
Calibration Date: 07/08/25 00:34

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Dibenzo(a,h)anthracene	30	1.104731	40	1.085301								
Dibenzofuran	30	1.604923	40	1.618245								
Diethyl phthalate	30	1.283101	40	1.252381								
Dimethyl phthalate	30	1.308185	40	1.278423								
Di-n-butyl phthalate	30	1.245845	40	1.248145								
Di-n-octyl phthalate	30	1.224398	40	1.199594								
Diphenylamine	30	0.5439063	40	0.5432725								
Fluoranthene	30	1.338297	40	1.314618								
Fluorene	30	1.41538	40	1.415133								
Hexachlorobenzene	30	8.326152E-02	40	8.145338E-02								
Hexachlorobutadiene	30	0.1711662	40	0.1700258								
Hexachlorocyclopentadiene	30	0.3520021	40	0.3570114								
Hexachloroethane	30	0.5583509	40	0.5637743								
Indeno(1,2,3-cd)pyrene	30	1.045437	40	1.047106								
Isophorone	30	0.6167794	40	0.6045012								
Naphthalene	30	0.9901665	40	0.9730517								
Nitrobenzene	30	0.317394	40	0.3187302								
N-Nitrosodimethylamine	30	0.7661821	40	0.7432058								
N-nitroso-di-n-propylamine	30	1.052437	40	1.059471								
N-Nitrosodiphenylamine	30	0.1947295	40	0.194935								
Parathion	30	0.1564107	40	0.1506316								
Pentachloronitrobenzene	30	0.1016857	40	0.1000906								
Pentachlorophenol	30	0.1640944	40	0.1678697								
Phenanthrene	30	1.086964	40	1.082524								
Phenol	30	1.728994	40	1.759971								
Pyrene	30	1.129424	40	1.101463								
Pyridine	30	1.317249	40	1.324239								
SURR: 2,4,6-Tribromophenol	30	0.1183002	40	0.1205172								

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SG50013

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA#6

Calibration Date: 07/08/25 00:34

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
SURR: 2-Fluorobiphenyl	30	1.268912	40	1.275756								
SURR: 2-Fluorophenol	30	1.174495	40	1.181086								
SURR: Nitrobenzene-d5	30	0.3241937	40	0.3199409								
SURR: Phenol-d6	30	1.60515	40	1.60808								
SURR: Terphenyl-d14	30	0.9167522	40	0.8967253								

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SG50013

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA#6

Calibration Date: 07/08/25 00:34

>.01

<20%

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1-Biphenyl	0.6171604	6.679011	6.71	1.409485E-02			SPCC (0.01)	
1,2,4,5-Tetrachlorobenzene	0.6287167	10.0255	6.46	1.874711E-02			SPCC (0.01)	
1,2,4-Trichlorobenzene	0.3238146	9.583675	5.74	6.91334E-03			20	
1,2-Dichlorobenzene	1.533532	7.074864	4.98	0.0140797			20	
1,2-Diphenylhydrazine (as Azobenzene)	0.7257098	6.641505	8.13	1.293001E-02			20	
1,3-Dichlorobenzene	1.567565	6.68508	4.82	1.982149E-02			20	
1,4-Dichlorobenzene	1.601791	6.364337	4.87	2.158541E-02			20	
1-Methylnaphthalene	0.6488675	10.29475	6.4	2.217517E-02			20	
2,3,4,6-Tetrachlorophenol	0.1292348	18.28196	7.65	1.676961E-02			SPCC (0.01)	
2,4,5-Trichlorophenol	0.4386866	8.823421	6.59125	5.010147E-02			SPCC (0.2)	
2,4,6-Trichlorophenol	0.3629236	11.47212	6.55	1.977949E-02			SPCC (0.2)	
2,4-Dichlorophenol	0.2721361	14.26846	5.68	1.002684E-02			SPCC (0.2)	
2,4-Dimethylphenol	0.2527444	19.67761	5.53	9.085319E-03			SPCC (0.2)	
2,4-Dinitrophenol	0.1392608	37.80867	7.35	1.014364E-02	sample ND so no qual		SPCC (0.01)	*
2,4-Dinitrotoluene	0.4350912	4.110944	7.49	1.523364E-02			SPCC (0.2)	
2,6-Dinitrotoluene	0.3157632	4.20263	7.053333	0.0727985			SPCC (0.2)	
2-Chloronaphthalene	1.139697	6.083378	6.74	5.887622E-03			SPCC (0.8)	
2-Chlorophenol	1.363828	8.711975	4.70625	0.1110939			SPCC (0.8)	
2-Methylnaphthalene	0.728868	10.96185	6.32	9.234004E-03			SPCC (0.4)	
2-Methylphenol	1.064867	13.50026	5.03125	6.839126E-02			SPCC (0.7)	
2-Nitroaniline	0.4167927	4.641128	6.823333	7.487997E-02			SPCC (0.01)	
2-Nitrophenol	0.1872665	8.997605	5.5	0			SPCC (0.1)	
3- & 4-Methylphenols	1.695483	10.99947	5.14	1.979262E-02			SPCC (0.6)	
3,3-Dichlorobenzidine	0.6350737	9.267135	14.745	3.719589E-02			SPCC (0.01)	
3-Nitroaniline	0.4167927	4.641128	6.823333	7.487997E-02			SPCC (0.01)	
4,6-Dinitro-2-methylphenol	0.1158679	29.78966	7.99125	4.276336E-02	sample ND so no qual		SPCC (0.01)	*
4-Bromophenyl phenyl ether	0.2438277	6.180107	8.595	6.291101E-02			SPCC (0.1)	
4-Chloro-3-methylphenol	0.3174454	9.973703	6.19	1.044587E-02			SPCC (0.2)	
4-Chloroaniline	0.4380768	6.646556	5.831667	7.046123E-02			SPCC (0.01)	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SG50013
Instrument: BNA#6
Calibration Date: 07/08/25 00:34

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
4-Chlorophenyl phenyl ether	0.7088334	6.404864	7.92	1.433547E-02			SPCC (0.4)	
4-Nitroaniline	0.3892383	5.119837	7.946667	0.1025644			SPCC (0.01)	
4-Nitrophenol	0.2362087	16.2144	7.415	0.1009981			SPCC (0.01)	
Acenaphthene	1.180449	8.499305	7.32	1.664754E-02			SPCC (0.9)	
Acenaphthylene	1.88666	6.152343	7.14	1.460033E-02			SPCC (0.9)	
Acetophenone	2.123471	9.866457	5.146667	0.1010321			SPCC (0.01)	
Alpha Terpineol	0.2263021	7.179281	5.8	1.880959E-02			20	
Aniline	1.887271	8.155059	4.615	0.1189447			SPCC ()	
Anthracene	1.174099	7.982909	9.42	2.007992E-02			SPCC (0.7)	
Atrazine	0.2352602	10.19118	8.863333	5.853532E-02			SPCC (0.01)	
Benzaldehyde	1.085625	15.6901	4.54	1.997184E-02			SPCC (0.01)	
Benzidine	0.7475029	13.18491	11.91167	3.536524E-02			20	
Benzo(a)anthracene	1.261583	7.051234	14.71333	3.063796E-02			SPCC (0.8)	
Benzo(a)pyrene	1.250231	7.918422	17.71333	3.299608E-02			SPCC (0.7)	
Benzo(b)fluoranthene	1.277913	7.663259	17.06667	4.789412E-02			SPCC (0.7)	
Benzo(g,h,i)perylene	1.063464	3.400331	20.24833	5.000626E-02			SPCC (0.5)	
Benzo(k)fluoranthene	1.357176	9.450455	17.12667	4.365087E-02			SPCC (0.7)	
Benzoic acid	0.2878576	7.240118	5.59	0.2992007			20	
Benzyl alcohol	0.9371269	4.486927	4.951667	8.384331E-02			20	
Benzyl butyl phthalate	0.5116821	4.484992	13.65167	3.411082E-02			20	
Bis(2-chloroethoxy)methane	0.3818308	11.39399	5.59	1.360763E-02			SPCC (0.3)	
Bis(2-chloroethyl)ether	1.278809	7.929627	4.66	1.632331E-02			SPCC (0.7)	
Bis(2-chloroisopropyl)ether	0.9958916	8.218917	5.05	1.556668E-02			SPCC (0.01)	
Bis(2-ethylhexyl)phthalate	0.7112311	4.386963	15.08333	3.538312E-02			20	
Caprolactam	0.116207	22.53032	6.091667	0.1916046	sample ND so no qual		SPCC (0.01)	*
Carbazole	1.139913	6.219617	9.705	5.793717E-02			SPCC (0.01)	
Chrysene	1.195561	7.065755	14.79667	5.406585E-02			SPCC (0.7)	
Dibenzo(a,h)anthracene	1.118177	3.092273	19.86	4.401061E-02			SPCC (0.4)	
Dibenzofuran	1.7325	7.087813	7.51	1.519307E-02			SPCC (0.8)	
Diethyl phthalate	1.35359	5.83521	7.771667	5.026451E-02			SPCC (0.01)	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SG50013
Instrument: BNA#6
Calibration Date: 07/08/25 00:34

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Dimethyl phthalate	1.369439	5.371249	6.99	1.421242E-02			SPCC (0.01)	
Di-n-butyl phthalate	1.300241	3.619397	10.43	1.442366E-02			SPCC (0.01)	
Di-n-octyl phthalate	1.245735	2.551309	16.55333	2.648389E-02			SPCC (0.01)	
Diphenylamine	0.58127	6.497945	8.071666	4.797652E-02			20	
Fluoranthene	1.408667	5.68825	11.565	0.0482944			SPCC (0.6)	
Fluorene	1.480372	5.398157	7.92	1.433547E-02			SPCC (0.9)	
Hexachlorobenzene	9.005078E-02	8.572203	8.681667	4.904534E-02			SPCC (0.1)	
Hexachlorobutadiene	0.1903937	9.913782	5.88	1.329984E-02			SPCC (0.01)	
Hexachlorocyclopentadiene	0.3637142	2.746014	6.45	0.0112489			SPCC (0.05)	
Hexachloroethane	0.599789	6.729465	5.23	1.686226E-02			SPCC (0.3)	
Indeno(1,2,3-cd)pyrene	1.049391	1.217462	19.80167	3.778946E-02			SPCC (0.5)	
Isophorone	0.6778665	9.517857	5.443333	9.541175E-02			SPCC (0.4)	
Naphthalene	1.065073	7.805737	5.8	1.880959E-02			SPCC (0.7)	
Nitrobenzene	0.3662383	12.96265	5.27	8.602669E-03			SPCC (0.2)	
N-Nitrosodimethylamine	0.8041477	5.939246	2.83	1.343933E-02			20	
N-nitroso-di-n-propylamine	1.082843	2.66817	5.141667	8.153481E-02			SPCC (0.5)	
N-Nitrosodiphenylamine	0.2078535	6.652469	8.071666	4.797652E-02			SPCC (0.01)	
Parathion	0.1552182	1.504876	10.75167	3.756474E-02			20	
Pentachloronitrobenzene	0.1070224	6.766303	9.011667	4.837169E-02			20	
Pentachlorophenol	0.1399379	22.67428	8.99375	5.979851E-02	samples ND so no qual		SPCC (0.05)	*
Phenanthrene	1.156917	6.464542	9.333333	5.403158E-02			SPCC (0.7)	
Phenol	1.778898	9.595829	4.5925	0.1022432			SPCC (0.8)	
Pyrene	1.199455	6.801074	12.025	4.041177E-02			SPCC (0.6)	
Pyridine	1.429669	8.26099	2.863333	0.1813691			20	
SURR: 2,4,6-Tribromophenol	0.1177445	10.66481	8.24	1.852388E-02			20	
SURR: 2-Fluorobiphenyl	1.31375	8.421522	6.62	0.0107608			20	
SURR: 2-Fluorophenol	1.240507	8.688953	3.9	1.364954E-02			20	
SURR: Nitrobenzene-d5	0.3679433	10.53858	5.26	0.0073624			20	
SURR: Phenol-d6	1.629263	8.888654	4.5825	9.965152E-02			20	
SURR: Terphenyl-d14	0.9345011	11.59333	12.46	9.485369E-03			20	

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50050

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA#2

Calibration Date: 08/24/25 00:17

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
1,1-Biphenyl	2.5	0.7733101	5	0.8655748	10	0.7893705	15	0.7196451	20	0.7160643	30	0.7209158
1,2,4,5-Tetrachlorobenzene	2.5	0.640428	5	0.6851015	10	0.6153703	15	0.6414176	20	0.5791603	30	0.5951242
1,2,4-Trichlorobenzene	2.5	0.3991692	5	0.4406698	10	0.3827045	15	0.3400155	20	0.3454505	30	0.3359981
1,2-Dichlorobenzene	2.5	1.699096	5	1.759389	10	1.658463	15	1.39904	20	1.478768	30	1.455163
1,2-Diphenylhydrazine (as Azobenzene)	2.5	0.9485703	5	1.025413	10	0.922998	15	0.8171762	20	0.8947667	30	0.8460766
1,3-Dichlorobenzene	2.5	1.825419	5	1.919558	10	1.718626	15	1.486431	20	1.564347	30	1.510796
1,4-Dichlorobenzene	2.5	1.843642	5	1.935192	10	1.759584	15	1.506156	20	1.558862	30	1.528688
1-Methylnaphthalene	2.5	0.8661736	5	0.9571366	10	0.8470951	15	0.7583603	20	0.8406685	30	0.7202745
2,3,4,6-Tetrachlorophenol	2.5	0.121062	5	0.1622043	10	0.1683647	15	0.1434547	20	0.1714499	30	0.1784242
2,4,5-Trichlorophenol	2.5	0.3501529	5	0.4795751	10	0.4392147	15	0.4215861	20	0.4199506	30	0.4220632
2,4,6-Trichlorophenol	2.5	0.3586447	5	0.3994344	10	0.3981976	15	0.378222	20	0.3785067	30	0.3800321
2,4-Dichlorophenol	2.5	0.3131313	5	0.353034	10	0.322532	15	0.2821023	20	0.2986807	30	0.2847969
2,4-Dimethylphenol	2.5	0.324229	5	0.3528891	10	0.3200788	15	0.2950543	20	0.2942369	30	0.2770957
2,4-Dinitrophenol	2.5	2.074727E-02	5	5.563503E-02	10	8.023674E-02	15	7.025304E-02	20	9.655881E-02	30	0.1157082
2,4-Dinitrotoluene	2.5	0.2507402	5	0.3321008	10	0.3535286	15	0.3089538	20	0.3552307	30	0.4038771
2,6-Dinitrotoluene	2.5	0.2045799	5	0.2525211	10	0.2825078	15	0.2700155	20	0.2800451	30	0.291917
2-Chloronaphthalene	2.5	1.242472	5	1.344723	10	1.264733	15	1.159857	20	1.156497	30	1.136412
2-Chlorophenol	2.5	1.491306	5	1.601868	10	1.476326	15	1.305954	20	1.357093	30	1.313095
2-Methylnaphthalene	2.5	0.872951	5	0.9709953	10	0.8332947	15	0.7697088	20	0.7798854	30	0.7276788
2-Methylphenol	2.5	1.750549	5	1.950039	10	1.788784	15	1.632573	20	1.687495	30	1.611363
2-Nitroaniline	2.5	0.2758111	5	0.3532945	10	0.3552114	15	0.3423682	20	0.3424808	30	0.3662432
2-Nitrophenol	2.5	0.1450277	5	0.1803712	10	0.1717059	15	0.160958	20	0.1650886	30	0.1673149
3- & 4-Methylphenols	2.5	1.750549	5	1.950039	10	1.788784	15	1.632573	20	1.687495	30	1.611363
3,3-Dichlorobenzidine	2.5	0.4066406	5	0.5154261	10	0.4020218	15	0.5225481	20	0.503732	30	0.4950129
3-Nitroaniline	2.5	0.2606939	5	0.3062731	10	0.3199444	15	0.2863435	20	0.3141002	30	0.3221978
4,6-Dinitro-2-methylphenol	2.5	0.0501155	5	7.196681E-02	10	7.767208E-02	15	7.821028E-02	20	9.321056E-02	30	0.1055768
4-Bromophenyl phenyl ether	2.5	0.2586241	5	0.2734111	10	0.2588154	15	0.2214138	20	0.2611176	30	0.2378755
4-Chloro-3-methylphenol	2.5	0.3271775	5	0.3898818	10	0.3414318	15	0.3162684	20	0.331111	30	0.3103072

FORM VI INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50050
Instrument: BNA#2
Calibration Date: 08/24/25 00:17

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
4-Chloroaniline	2.5	0.4670249	5	0.5335773	10	0.4750533	15	0.4047826	20	0.428792	30	0.4058548
4-Chlorophenyl phenyl ether	2.5	0.8527531	5	0.903248	10	0.8292347	15	0.7743115	20	0.7665882	30	0.7807705
4-Nitroaniline	2.5	0.268688	5	0.3356665	10	0.3335929	15	0.321603	20	0.3197597	30	0.3417431
4-Nitrophenol	2.5	0.2186706	5	0.2864149	10	0.2851644	15	0.2439302	20	0.2934293	30	0.3227189
Acenaphthene	2.5	1.305367	5	1.387898	10	1.283086	15	1.075432	20	1.157143	30	1.17219
Acenaphthylene	2.5	2.075224	5	2.179288	10	2.097276	15	1.927083	20	1.892247	30	1.867872
Acetophenone	2.5	2.109811	5	2.197465	10	1.949955	15	2.019968	20	1.845692	30	1.836301
Alpha Terpineol	2.5	0.2273186	5	0.2510414	10	0.2278953	15	0.2015275	20	0.2004876	30	0.1853563
Aniline	2.5	1.829295	5	1.925854	10	1.771099	15	1.610372	20	1.582761	30	1.557677
Anthracene	2.5	1.284946	5	1.380672	10	1.253489	15	1.115507	20	1.186207	30	1.148509
Atrazine	2.5	0.2587518	5	0.2816737	10	0.2507852	15	0.2526484	20	0.257027	30	0.2483898
Benzaldehyde	2.5	1.127014	5	1.149302	10	1.022763	15	1.029782	20	0.9357847	30	0.8997537
Benzidine	2.5	0.5122031	5	0.6431125	10	0.4628861	15	0.6741901	20	0.6133087	30	0.6523693
Benzo(a)anthracene	2.5	1.536793	5	1.571749	10	1.448623	15	1.33308	20	1.355323	30	1.329537
Benzo(a)pyrene	2.5	1.461342	5	1.57163	10	1.423844	15	1.314577	20	1.465399	30	1.42969
Benzo(b)fluoranthene	2.5	1.494682	5	1.608355	10	1.463501	15	1.33774	20	1.56209	30	1.478131
Benzo(g,h,i)perylene	2.5	1.263884	5	1.311305	10	1.227174	15	1.119233	20	1.12875	30	1.124006
Benzo(k)fluoranthene	2.5	1.525689	5	1.593168	10	1.451764	15	1.347636	20	1.490723	30	1.473303
Benzoic acid	2.5	6.808092E-02	5	0.1186683	10	0.1365755	15	0.140386	20	0.1651973	30	0.1819501
Benzyl alcohol	2.5	0.8662867	5	0.9592959	10	0.872225	15	0.7798021	20	0.8204949	30	0.7801916
Benzyl butyl phthalate	2.5	0.5686622	5	0.644724	10	0.5896346	15	0.5480116	20	0.5535316	30	0.5518097
Bis(2-chloroethoxy)methane	2.5	0.3947465	5	0.4454615	10	0.3799434	15	0.3502359	20	0.3396325	30	0.3175934
Bis(2-chloroethyl)ether	2.5	1.290525	5	1.380343	10	1.240083	15	1.08728	20	1.093915	30	1.072031
Bis(2-chloroisopropyl)ether	2.5	0.6211439	5	0.6424642	10	0.6028065	15	0.5656296	20	0.5572036	30	0.523652
Bis(2-ethylhexyl)phthalate	2.5	0.7825366	5	0.8803881	10	0.8164373	15	0.7426671	20	0.7606117	30	0.7535168
Caprolactam	2.5	0.1257194	5	0.1385143	10	0.1141797	15	0.1207043	20	0.1098212	30	0.1093512
Carbazole	2.5	1.234032	5	1.308848	10	1.181694	15	1.066801	20	1.202618	30	1.095287
Chrysene	2.5	1.391134	5	1.496364	10	1.362465	15	1.201519	20	1.246255	30	1.211779

FORM VI INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50050
Instrument: BNA#2
Calibration Date: 08/24/25 00:17

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Dibenzo(a,h)anthracene	2.5	1.337348	5	1.383241	10	1.293738	15	1.190731	20	1.211259	30	1.203854
Dibenzofuran	2.5	1.913321	5	2.01878	10	1.885502	15	1.546982	20	1.629354	30	1.695457
Diethyl phthalate	2.5	1.58572	5	1.772722	10	1.619894	15	1.387284	20	1.499129	30	1.520726
Dimethyl phthalate	2.5	1.581925	5	1.759822	10	1.610843	15	1.486407	20	1.461925	30	1.4683
Di-n-butyl phthalate	2.5	1.384315	5	1.536583	10	1.403873	15	1.259683	20	1.4032	30	1.367114
Di-n-octyl phthalate	2.5	1.446369	5	1.604598	10	1.471692	15	1.36093	20	1.416745	30	1.535492
Diphenylamine	2.5	0.6473026	5	0.7007255	10	0.6352804	15	0.5672038	20	0.5995878	30	0.5802433
Fluoranthene	2.5	1.583021	5	1.756191	10	1.620544	15	1.441606	20	1.459582	30	1.554396
Fluorene	2.5	1.595113	5	1.715471	10	1.596149	15	1.488569	20	1.468139	30	1.461868
Hexachlorobenzene	2.5	0.11915	5	0.1337931	10	0.1231223	15	0.1127105	20	0.1234961	30	0.1173957
Hexachlorobutadiene	2.5	0.2398701	5	0.2688584	10	0.2375657	15	0.2138516	20	0.2231602	30	0.2094465
Hexachlorocyclopentadiene	2.5	0.3080985	5	0.3729791	10	0.3657521	15	0.3559287	20	0.3724621	30	0.3967129
Hexachloroethane	2.5	0.7084652	5	0.771043	10	0.7061968	15	0.6355394	20	0.6526526	30	0.6156246
Indeno(1,2,3-cd)pyrene	2.5	1.658649	5	1.734516	10	1.626445	15	1.490438	20	1.52616	30	1.530837
Isophorone	2.5	0.7606226	5	0.8927073	10	0.7690657	15	0.6915676	20	0.6939546	30	0.6490697
Naphthalene	2.5	1.20494	5	1.328957	10	1.154968	15	1.004565	20	1.029647	30	0.9710228
Nitrobenzene	2.5	0.4240674	5	0.4739216	10	0.4239174	15	0.3955732	20	0.3962343	30	0.3772298
N-Nitrosodimethylamine	2.5	0.8021356	5	0.856297	10	0.7852257	15	0.6930376	20	0.6867472	30	0.7232923
N-nitroso-di-n-propylamine	2.5	1.266777	5	1.439981	10	1.297338	15	1.184518	20	1.18625	30	1.154901
N-Nitrosodiphenylamine	2.5	0.2633658	5	0.2963416	10	0.2653501	15	0.2411891	20	0.2496568	30	0.2461886
Parathion	2.5	6.681534E-02	5	9.799751E-02	10	0.1035652	15	9.955591E-02	20	0.1161197	30	0.1357083
Pentachloronitrobenzene	2.5	8.365888E-02	5	0.1052222	10	0.1093882	15	9.961568E-02	20	0.1172872	30	0.115778
Pentachlorophenol	2.5	6.389367E-02	5	0.1023269	10	0.1050282	15	0.1095889	20	0.1334329	30	0.1353737
Phenanthrene	2.5	1.305254	5	1.380159	10	1.249992	15	1.10213	20	1.127492	30	1.141378
Phenol	2.5	1.601715	5	1.666228	10	1.554173	15	1.411131	20	1.405037	30	1.353681
Pyrene	2.5	1.339766	5	1.510975	10	1.386236	15	1.259774	20	1.23671	30	1.22547
Pyridine	2.5	1.188031	5	1.170374	10	1.211783	15	1.090965	20	1.098849	30	1.199828
SURR: 2,4,6-Tribromophenol	2.5	8.185478E-02	5	0.106267	10	9.675596E-02	15	8.672462E-02	20	9.970717E-02	30	9.094572E-02
SURR: 2-Fluorobiphenyl	2.5	1.570851	5	1.679868	10	1.529281	15	1.42204	20	1.410144	30	1.384909

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50050
Instrument: BNA#2
Calibration Date: 08/24/25 00:17

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
SURR: 2-Fluorophenol	2.5	1.249461	5	1.37952	10	1.225548	15	1.117187	20	1.131292	30	1.100684
SURR: Nitrobenzene-d5	2.5	0.3986573	5	0.4459868	10	0.4033132	15	0.3664658	20	0.3792233	30	0.3726692
SURR: Phenol-d6	2.5	1.563043	5	1.632313	10	1.558355	15	1.389906	20	1.395808	30	1.357975
SURR: Terphenyl-d14	2.5	1.05204	5	1.164037	10	1.076624	15	0.9669922	20	0.9732781	30	0.9660335

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50050
Instrument: BNA#2
Calibration Date: 08/24/25 00:17

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
1,1-Biphenyl	40	0.6148984										
1,2,4,5-Tetrachlorobenzene	40	0.5397891										
1,2,4-Trichlorobenzene	40	0.3160445										
1,2-Dichlorobenzene	40	1.422426										
1,2-Diphenylhydrazine (as Azobenzene)	40	0.7838176										
1,3-Dichlorobenzene	40	1.470263										
1,4-Dichlorobenzene	40	1.508572										
1-Methylnaphthalene	40	0.6879581										
2,3,4,6-Tetrachlorophenol	40	0.1732823										
2,4,5-Trichlorophenol	40	0.3618668										
2,4,6-Trichlorophenol	40	0.331139										
2,4-Dichlorophenol	40	0.2713505										
2,4-Dimethylphenol	40	0.2630361										
2,4-Dinitrophenol	40	0.1257273										
2,4-Dinitrotoluene	40	0.399938										
2,6-Dinitrotoluene	40	0.2607304										
2-Chloronaphthalene	40	0.9741267										
2-Chlorophenol	40	1.272218										
2-Methylnaphthalene	40	0.6841167										
2-Methylphenol	40	1.600113										
2-Nitroaniline	40	0.3136489										
2-Nitrophenol	40	0.1655023										
3- & 4-Methylphenols	40	1.600113										
3,3-Dichlorobenzidine	40	0.4814792										
3-Nitroaniline	40	0.2943912										
4,6-Dinitro-2-methylphenol	40	0.105147										
4-Bromophenyl phenyl ether	40	0.2299214										
4-Chloro-3-methylphenol	40	0.3041299										

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50050
Instrument: BNA#2
Calibration Date: 08/24/25 00:17

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
4-Chloroaniline	40	0.3873722										
4-Chlorophenyl phenyl ether	40	0.7499599										
4-Nitroaniline	40	0.3219455										
4-Nitrophenol	40	0.2968217										
Acenaphthene	40	1.143703										
Acenaphthylene	40	1.614615										
Acetophenone	40	1.905482										
Alpha Terpineol	40	0.1806696										
Aniline	40	1.507363										
Anthracene	40	1.11282										
Atrazine	40	0.2398082										
Benzaldehyde	40	0.9117838										
Benzidine	40	0.6138115										
Benzo(a)anthracene	40	1.320349										
Benzo(a)pyrene	40	1.28103										
Benzo(b)fluoranthene	40	1.312091										
Benzo(g,h,i)perylene	40	1.105825										
Benzo(k)fluoranthene	40	1.286766										
Benzoic acid	40	0.1751849										
Benzyl alcohol	40	0.8047745										
Benzyl butyl phthalate	40	0.5492535										
Bis(2-chloroethoxy)methane	40	0.2984293										
Bis(2-chloroethyl)ether	40	1.027408										
Bis(2-chloroisopropyl)ether	40	0.5108915										
Bis(2-ethylhexyl)phthalate	40	0.7393574										
Caprolactam	40	0.1074249										
Carbazole	40	1.024662										
Chrysene	40	1.190367										

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50050
Instrument: BNA#2
Calibration Date: 08/24/25 00:17

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Dibenzo(a,h)anthracene	40	1.20679										
Dibenzofuran	40	1.644634										
Diethyl phthalate	40	1.456656										
Dimethyl phthalate	40	1.271512										
Di-n-butyl phthalate	40	1.301094										
Di-n-octyl phthalate	40	1.363275										
Diphenylamine	40	0.5440749										
Fluoranthene	40	1.460124										
Fluorene	40	1.405349										
Hexachlorobenzene	40	0.1113892										
Hexachlorobutadiene	40	0.1998719										
Hexachlorocyclopentadiene	40	0.348395										
Hexachloroethane	40	0.6221588										
Indeno(1,2,3-cd)pyrene	40	1.528915										
Isophorone	40	0.6165653										
Naphthalene	40	0.9096016										
Nitrobenzene	40	0.3647545										
N-Nitrosodimethylamine	40	0.6235585										
N-nitroso-di-n-propylamine	40	1.125566										
N-Nitrosodiphenylamine	40	0.2320843										
Parathion	40	0.1337637										
Pentachloronitrobenzene	40	0.1098016										
Pentachlorophenol	40	0.1283437										
Phenanthrene	40	1.101418										
Phenol	40	1.313038										
Pyrene	40	1.196784										
Pyridine	40	1.023997										
SURR: 2,4,6-Tribromophenol	40	0.0866911										

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50050

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA#2

Calibration Date: 08/24/25 00:17

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
SURR: 2-Fluorobiphenyl	40	1.203185										
SURR: 2-Fluorophenol	40	1.052673										
SURR: Nitrobenzene-d5	40	0.3552361										
SURR: Phenol-d6	40	1.338192										
SURR: Terphenyl-d14	40	0.9410792										

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50050
Instrument: BNA#2
Calibration Date: 08/24/25 00:17

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1-Biphenyl	0.7428256	10.46559	7.470714	1.940041E-02			SPCC (0.01)	
1,2,4,5-Tetrachlorobenzene	0.6137701	7.752464	7.228	1.928745E-02			SPCC (0.01)	
1,2,4-Trichlorobenzene	0.3657217	11.94339	6.412	9.877773E-03			20	
1,2-Dichlorobenzene	1.553192	9.509679	5.658	0.0239379			20	
1,2-Diphenylhydrazine (as Azobenzene)	0.8912598	9.317278	9.017	2.041471E-02			20	
1,3-Dichlorobenzene	1.642206	10.93524	5.482	9.49234E-03			20	
1,4-Dichlorobenzene	1.662957	10.79569	5.52	5.070149E-03			20	
1-Methylnaphthalene	0.8110952	11.55735	7.138	2.045127E-02			20	
2,3,4,6-Tetrachlorophenol	0.1597489	12.80658	8.576572	2.859877E-02			SPCC (0.01)	
2,4,5-Trichlorophenol	0.4134871	10.7643	7.360286	0.028181			SPCC (0.2)	
2,4,6-Trichlorophenol	0.3748823	6.325948	7.317714	2.693623E-02			SPCC (0.2)	
2,4-Dichlorophenol	0.3036611	9.288083	6.341	1.148707E-02			SPCC (0.2)	
2,4-Dimethylphenol	0.3038028	10.08726	6.166429	4.107477E-02			SPCC (0.2)	
2,4-Dinitrophenol	0.0806952	44.78544	8.228	0.0347573	samples ND so no qual		SPCC (0.01)	*
2,4-Dinitrotoluene	0.3434813	15.49537	8.405	8.433595E-03			SPCC (0.2)	
2,6-Dinitrotoluene	0.2631881	11.06027	7.926	1.874437E-02			SPCC (0.2)	
2-Chloronaphthalene	1.182689	9.969097	7.504571	0.0336482			SPCC (0.8)	
2-Chlorophenol	1.402551	8.704766	5.382571	1.223687E-02			SPCC (0.8)	
2-Methylnaphthalene	0.8055187	11.93308	7.034	1.606828E-02			SPCC (0.4)	
2-Methylphenol	1.717274	7.265576	5.782429	4.707425E-02			SPCC (0.7)	
2-Nitroaniline	0.3355797	9.254097	7.641	1.788503E-02			SPCC (0.01)	
2-Nitrophenol	0.1651384	6.549861	6.175	1.439347E-02			SPCC (0.1)	
3- & 4-Methylphenols	1.717274	7.265576	5.782429	4.707425E-02			SPCC (0.6)	
3,3-Dichlorobenzidine	0.4752658	10.5769	15.86543	1.520509E-02			SPCC (0.01)	
3-Nitroaniline	0.3005634	7.301161	8.101714	2.295135E-02			SPCC (0.01)	
4,6-Dinitro-2-methylphenol	8.312843E-02	23.85171	8.960714	4.069636E-02	samples ND so no qual		SPCC (0.01)	*
4-Bromophenyl phenyl ether	0.2487398	7.663097	9.52	8.220071E-03			SPCC (0.1)	
4-Chloro-3-methylphenol	0.3314725	8.670607	6.884857	3.962004E-02			SPCC (0.2)	
4-Chloroaniline	0.4432082	11.63138	6.513857	2.907105E-02			SPCC (0.01)	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50050
Instrument: BNA#2
Calibration Date: 08/24/25 00:17

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
4-Chlorophenyl phenyl ether	0.8081237	6.868586	8.789714	0.0202186			SPCC (0.4)	
4-Nitroaniline	0.3204284	7.581543	8.908714	3.873693E-02			SPCC (0.01)	
4-Nitrophenol	0.2781643	12.62076	8.261571	3.002938E-02			SPCC (0.01)	
Acenaphthene	1.217831	9.018887	8.178429	0.0262484			SPCC (0.9)	
Acenaphthylene	1.950515	9.660436	7.968286	1.286748E-02			SPCC (0.9)	
Acetophenone	1.980668	6.863382	5.805	2.456337E-02			SPCC (0.01)	
Alpha Terpineol	0.2106138	12.15438	6.428143	4.057319E-02			20	
Aniline	1.683489	9.392562	5.301286	3.408835E-02			SPCC ()	
Anthracene	1.211736	8.20684	10.41771	3.199364E-02			SPCC (0.7)	
Atrazine	0.2555834	5.11408	9.829	1.750632E-02			SPCC (0.01)	
Benzaldehyde	1.010883	9.970735	5.207	1.175941E-02			SPCC (0.01)	
Benzidine	0.595983	13.15286	12.99186	1.972681E-02			20	
Benzo(a)anthracene	1.413636	7.478361	15.83314	2.207332E-02			SPCC (0.8)	
Benzo(a)pyrene	1.421073	6.876139	18.88243	0.0276034			SPCC (0.7)	
Benzo(b)fluoranthene	1.465227	7.403706	18.22014	1.772782E-02			SPCC (0.7)	
Benzo(g,h,i)perylene	1.182882	7.022472	21.64871	4.615694E-02			SPCC (0.5)	
Benzo(k)fluoranthene	1.452721	7.19233	18.269	3.002891E-02			SPCC (0.7)	
Benzoic acid	0.1408633	27.8991	6.229714	0.1691087	samples ND so no qual		20	*
Benzyl alcohol	0.8404387	7.646874	5.606857	3.707512E-02			20	
Benzyl butyl phthalate	0.5722325	6.158723	14.70671	1.661068E-02			20	
Bis(2-chloroethoxy)methane	0.3608632	13.85703	6.237	1.243177E-02			SPCC (0.3)	
Bis(2-chloroethyl)ether	1.170226	11.37119	5.322429	4.386996E-02			SPCC (0.7)	
Bis(2-chloroisopropyl)ether	0.5748273	8.582888	5.705	1.130111E-02			SPCC (0.01)	
Bis(2-ethylhexyl)phthalate	0.7822164	6.497827	16.082	2.150588E-02			20	
Caprolactam	0.1179593	9.515021	6.790286	9.376342E-02			SPCC (0.01)	
Carbazole	1.159135	8.706434	10.71914	1.916632E-02			SPCC (0.01)	
Chrysene	1.299983	9.055915	15.933	2.383688E-02			SPCC (0.7)	
Dibenzo(a,h)anthracene	1.260994	6.096502	21.11529	3.005149E-02			SPCC (0.4)	
Dibenzofuran	1.762004	9.995648	8.367	1.004486E-02			SPCC (0.8)	
Diethyl phthalate	1.548876	8.097942	8.676572	3.281457E-02			SPCC (0.01)	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50050
Instrument: BNA#2
Calibration Date: 08/24/25 00:17

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Dimethyl phthalate	1.520105	9.995618	7.819857	2.129547E-02			SPCC (0.01)	
Di-n-butyl phthalate	1.379409	6.382756	11.44657	1.629431E-02			SPCC (0.01)	
Di-n-octyl phthalate	1.457014	6.132957	17.44471	2.034103E-02			SPCC (0.01)	
Diphenylamine	0.6106312	8.826722	8.971143	2.731494E-02			20	
Fluoranthene	1.553638	7.268337	12.66671	1.755096E-02			SPCC (0.6)	
Fluorene	1.532951	6.979146	8.826285	2.368849E-02			SPCC (0.9)	
Hexachlorobenzene	0.120151	6.328009	9.785286	1.676853E-02			SPCC (0.1)	
Hexachlorobutadiene	0.2275178	10.24388	6.583714	2.953913E-02			SPCC (0.01)	
Hexachlorocyclopentadiene	0.3600469	7.648129	7.228	1.928745E-02			SPCC (0.05)	
Hexachloroethane	0.6730972	8.505651	5.876	1.725012E-02			SPCC (0.3)	
Indeno(1,2,3-cd)pyrene	1.585137	5.641399	21.09086	3.164826E-02			SPCC (0.5)	
Isophorone	0.7247933	12.71291	6.094	1.888553E-02			SPCC (0.4)	
Naphthalene	1.086243	13.65862	6.465429	3.481401E-02			SPCC (0.7)	
Nitrobenzene	0.4079569	8.932194	5.938572	1.986861E-02			SPCC (0.2)	
N-Nitrosodimethylamine	0.7386134	10.81654	3.618429	6.568173E-02			20	
N-nitroso-di-n-propylamine	1.236476	8.748869	5.809	3.229646E-02			SPCC (0.5)	
N-Nitrosodiphenylamine	0.2563109	8.27063	8.971143	2.731494E-02			SPCC (0.01)	
Parathion	0.1076465	22.06098	11.83457	2.547507E-02	NTA		20	*
Pentachloronitrobenzene	0.1058217	10.83792	10.21657	2.204881E-02			20	
Pentachlorophenol	0.1111411	22.43344	10.08	1.110604E-02	samples ND so no qual		SPCC (0.05)	*
Phenanthrene	1.201118	9.247076	10.341	1.109037E-02			SPCC (0.7)	
Phenol	1.472143	9.145533	5.260428	4.867955E-02			SPCC (0.8)	
Pyrene	1.307959	8.543201	13.14357	2.750184E-03			SPCC (0.6)	
Pyridine	1.140547	6.149329	3.638429	0.225602			20	
SURR: 2,4,6-Tribromophenol	9.270662E-02	9.259451	9.208428	0.0234999			20	
SURR: 2-Fluorobiphenyl	1.457183	10.51612	7.375	0			20	
SURR: 2-Fluorophenol	1.179481	9.51228	4.601714	5.018211E-02			20	
SURR: Nitrobenzene-d5	0.3887931	7.826414	5.928	2.401825E-02			20	
SURR: Phenol-d6	1.462227	8.10288	5.251143	3.864756E-02			20	
SURR: Terphenyl-d14	1.020012	7.915549	13.51186	2.045228E-02			20	

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50055

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA #4

Calibration Date: 08/26/25 08:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
1,1-Biphenyl	5	0.6581822	10	0.6144371	15	0.5428438	20	0.5852889	30	0.5900504	40	0.5186558
1,2,4,5-Tetrachlorobenzene	5	0.6021474	10	0.5552489	15	0.5574441	20	0.535808	30	0.5449976	40	0.5212012
1,2,4-Trichlorobenzene	5	0.4028007	10	0.3778088	15	0.3156902	20	0.3345987	30	0.3120422	40	0.2807748
1,2-Dichlorobenzene	5	1.912205	10	1.733202	15	1.465748	20	1.530329	30	1.499974	40	1.334585
1,2-Diphenylhydrazine (as Azobenzene)	5	0.8629917	10	0.7960454	15	0.7115359	20	0.7617068	30	0.7655722	40	0.678984
1,3-Dichlorobenzene	5	1.916122	10	1.610389	15	1.470236	20	1.509715	30	1.499331	40	1.352267
1,4-Dichlorobenzene	5	1.975526	10	1.860871	15	1.543526	20	1.618758	30	1.613048	40	1.455133
1-Methylnaphthalene	5	0.8913946	10	0.78074	15	0.6548372	20	0.6926542	30	0.6264731	40	0.5456482
2,3,4,6-Tetrachlorophenol	5	0.1744988	10	0.1589949	15	0.1367238	20	0.1526889	30	0.1556446	40	0.1320071
2,4,5-Trichlorophenol	5	0.4897434	10	0.4423495	15	0.3945318	20	0.4114727	30	0.4101464	40	0.3581482
2,4,6-Trichlorophenol	5	0.4019769	10	0.3693349	15	0.3363901	20	0.3555118	30	0.3537396	40	0.3119102
2,4-Dichlorophenol	5	0.3351173	10	0.3383128	15	0.2778857	20	0.2948846	30	0.2788627	40	0.235875
2,4-Dimethylphenol	5	0.3081268	10	0.3059057	15	0.2715041	20	0.2860283	30	0.262651	40	0.236597
2,4-Dinitrophenol	5	2.799972E-03	10	2.352742E-03	15	2.092733E-03	20	7.287225E-03	30	1.825264E-02	40	2.129564E-02
2,4-Dinitrotoluene	5	0.4208688	10	0.4428766	15	0.3913537	20	0.4174744	30	0.4468766	40	0.396127
2,6-Dinitrotoluene	5	0.3173957	10	0.3253608	15	0.2859776	20	0.3082408	30	0.3216801	40	0.2712455
2-Chloronaphthalene	5	1.257357	10	1.176109	15	1.023999	20	1.115274	30	1.130415	40	0.9493925
2-Chlorophenol	5	1.522003	10	1.362139	15	1.274928	20	1.330658	30	1.359431	40	1.168887
2-Methylnaphthalene	5	0.9339287	10	0.8444213	15	0.7050697	20	0.7400217	30	0.6930167	40	0.6149004
2-Methylphenol	5	1.131305	10	1.087969	15	1.001302	20	1.065228	30	1.105928	40	0.9735822
2-Nitroaniline	5	0.3547981	10	0.3747703	15	0.3257702	20	0.3534147	30	0.3708423	40	0.3141581
2-Nitrophenol	5	0.1554702	10	0.1719572	15	0.1490182	20	0.1646254	30	0.159247	40	0.1453369
3- & 4-Methylphenols	5	2.578926	10	2.600624	15	2.499767	20	2.676078	30	2.783646	40	2.503819
3,3-Dichlorobenzidine	5	0.4512633	10	0.3686663	15	0.4719364	20	0.4822363	30	0.4713928	40	0.5460847
3-Nitroaniline	5	0.3284304	10	0.3301497	15	0.3025911	20	0.3185495	30	0.3316772	40	0.2884201
4,6-Dinitro-2-methylphenol	5	2.94775E-03	10	6.417778E-03	15	9.628238E-03	20	1.424281E-02	30	2.524466E-02	40	3.201433E-02
4-Bromophenyl phenyl ether	5	0.2970556	10	0.2731148	15	0.243125	20	0.251882	30	0.2519851	40	0.2195431
4-Chloro-3-methylphenol	5	0.4363591	10	0.419972	15	0.3454454	20	0.3479075	30	0.3335375	40	0.2950609

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50055

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA #4

Calibration Date: 08/26/25 08:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
4-Chloroaniline	5	0.3828527	10	0.4192005	15	0.3720562	20	0.3754242	30	0.3681719	40	0.3316091
4-Chlorophenyl phenyl ether	5	0.9020708	10	0.8495501	15	0.715366	20	0.756741	30	0.7755383	40	0.6478937
4-Nitroaniline	5	0.3036672	10	0.3075949	15	0.2788832	20	0.3156821	30	0.330368	40	0.3053338
4-Nitrophenol	5	0.2722934	10	0.3102889	15	0.2191287	20	0.2479685	30	0.2677981	40	0.2374235
Acenaphthene	5	1.406644	10	1.31002	15	1.129044	20	1.188146	30	1.158067	40	0.9939183
Acenaphthylene	5	2.205218	10	1.988669	15	1.739843	20	1.816906	30	1.855534	40	1.585443
Acetophenone	5	2.006135	10	1.930123	15	1.951264	20	1.842975	30	1.90489	40	1.969685
Aniline	5	1.518836	10	1.587549	15	1.519434	20	1.616478	30	1.684415	40	1.553305
Anthracene	5	1.425557	10	1.301073	15	1.187482	20	1.22035	30	1.179228	40	1.048915
Atrazine	5	0.2738072	10	0.2322234	15	0.23379	20	0.2171159	30	0.21561	40	0.2214576
Benzaldehyde	5	0.9990541	10	0.9042192	15	0.9308008	20	0.8600019	30	0.9135527	40	0.8987006
Benzidine	5	0.4857285	10	0.4392996	15	0.5832043	20	0.5960918	30	0.6240528	40	0.7144558
Benzo(a)anthracene	5	1.495576	10	1.391164	15	1.252716	20	1.307284	30	1.282286	40	1.087575
Benzo(a)pyrene	5	1.183474	10	1.065608	15	1.010991	20	1.108475	30	1.036109	40	0.8525032
Benzo(b)fluoranthene	5	1.159274	10	1.139741	15	0.9571479	20	1.07432	30	1.035937	40	0.9150249
Benzo(g,h,i)perylene	5	0.7884055	10	0.7373537	15	0.6508536	20	0.703894	30	0.7214694	40	0.5748299
Benzo(k)fluoranthene	5	1.479329	10	1.139741	15	0.9571479	20	1.297743	30	1.240813	40	1.010403
Benzoic acid	5	4.774404E-02	10	9.241532E-02	15	8.847976E-02	20	0.1145589	30	0.1368837	40	0.1317535
Benzyl alcohol	5	0.8549073	10	0.7924538	15	0.75498	20	0.8181369	30	0.8041888	40	0.7678318
Benzyl butyl phthalate	5	0.6563585	10	0.6062638	15	0.5503065	20	0.5786987	30	0.5671041	40	0.4898316
Bis(2-chloroethoxy)methane	5	0.362174	10	0.3621395	15	0.3133327	20	0.3304364	30	0.3155356	40	0.2764892
Bis(2-chloroethyl)ether	5	1.53281	10	1.265643	15	1.177479	20	1.170816	30	1.165506	40	1.050451
Bis(2-chloroisopropyl)ether	5	0.9774393	10	0.8815135	15	0.806953	20	0.8442678	30	0.8547975	40	0.7642836
Bis(2-ethylhexyl)phthalate	5	0.9424998	10	0.8784057	15	0.7417805	20	0.8004482	30	0.7698838	40	0.6570572
Caprolactam	5	0.1246707	10	0.1328199	15	0.1188066	20	0.112244	30	0.1052694	40	0.1011849
Carbazole	5	1.185142	10	1.160516	15	1.053096	20	1.108659	30	1.067269	40	0.9720185
Chrysene	5	1.501974	10	1.362664	15	1.172332	20	1.24893	30	1.202408	40	1.027833
Dibenzo(a,h)anthracene	5	0.9166978	10	0.9274435	15	0.8316113	20	0.9144255	30	0.9470449	40	0.7988034

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50055

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA #4

Calibration Date: 08/26/25 08:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Dibenzofuran	5	2.024805	10	1.865502	15	1.655868	20	1.74107	30	1.742223	40	1.485673
Diethyl phthalate	5	1.728302	10	1.520013	15	1.339508	20	1.421299	30	1.416367	40	1.232293
Dimethyl phthalate	5	1.681104	10	1.470746	15	1.263405	20	1.359726	30	1.367175	40	1.146272
Di-n-butyl phthalate	5	1.480111	10	1.405056	15	1.275142	20	1.316947	30	1.391886	40	1.118532
Di-n-octyl phthalate	5	1.567352	10	1.483923	15	1.275522	20	1.417847	30	1.34549	40	1.140009
Diphenylamine	5	0.628328	10	0.6029597	15	0.5079058	20	0.5562586	30	0.5568166	40	0.4825603
Fluoranthene	5	1.638863	10	1.513004	15	1.432388	20	1.421769	30	1.511926	40	1.261726
Fluorene	5	1.776665	10	1.647761	15	1.40747	20	1.521346	30	1.494484	40	1.26676
Hexachlorobenzene	5	0.1209102	10	0.1094244	15	9.377641E-02	20	0.1038667	30	0.1002594	40	8.783842E-02
Hexachlorobutadiene	5	0.2654431	10	0.2425931	15	0.2119016	20	0.2211096	30	0.2128228	40	0.1799819
Hexachlorocyclopentadiene	5		10	1.006693E-03	15	2.594989E-03	20	4.397071E-03	30	0.0140588	40	2.077309E-02
Hexachloroethane	5	0.6269973	10	0.5737058	15	0.5548367	20	0.5447635	30	0.5647992	40	0.4917413
Indeno(1,2,3-cd)pyrene	5	1.243888	10	1.01361	15	0.9742393	20	1.06668	30	1.069755	40	0.9303541
Isophorone	5	0.7358957	10	0.7157659	15	0.6304792	20	0.6549482	30	0.6142994	40	0.5390183
Naphthalene	5	1.214052	10	1.126982	15	0.957266	20	1.006558	30	0.9608842	40	0.8369807
Nitrobenzene	5	0.4350588	10	0.4192691	15	0.3770813	20	0.39136	30	0.3810381	40	0.3256507
N-Nitrosodimethylamine	5	0.7074966	10	0.6269866	15	0.6575562	20	0.6602176	30	0.713261	40	0.6156625
N-nitroso-di-n-propylamine	5	1.166182	10	1.218249	15	1.082416	20	1.166151	30	1.140742	40	1.070668
N-Nitrosodiphenylamine	5	0.2253314	10	0.1956543	15	0.1817171	20	0.1900779	30	0.1851623	40	0.167669
Parathion	5	0.1706172	10	0.1613592	15	0.151921	20	0.1609889	30	0.1761627	40	0.1445862
Pentachloronitrobenzene	5	0.1086339	10	0.1112495	15	9.940019E-02	20	0.1054301	30	0.1064864	40	0.0948464
Pentachlorophenol	5	5.242047E-02	10	6.583867E-02	15	0.0708991	20	8.989685E-02	30	9.706921E-02	40	9.602325E-02
Phenanthrene	5	1.331817	10	1.238833	15	1.126864	20	1.141167	30	1.12883	40	0.996958
Phenol	5	1.85812	10	1.819889	15	1.599283	20	1.684083	30	1.72947	40	1.562843
Pyrene	5	1.545526	10	1.414136	15	1.213749	20	1.286118	30	1.286602	40	1.10019
Pyridine	5	1.135198	10	1.065782	15	1.080696	20	1.112708	30	1.132785	40	1.004445
SURR: 2,4,6-Tribromophenol	5	0.1226736	10	0.1249802	15	0.113384	20	0.1085915	30	0.117562	40	0.1004834
SURR: 2-Fluorobiphenyl	5	1.548754	10	1.406672	15	1.282485	20	1.329999	30	1.341907	40	1.167505
SURR: 2-Fluorophenol	5	0.9580972	10	0.9411693	15	0.9238013	20	0.9503074	30	0.9712258	40	0.9014802

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50055
Instrument: BNA #4
Calibration Date: 08/26/25 08:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
SURR: Nitrobenzene-d5	5	0.4545551	10	0.4334126	15	0.3824029	20	0.3811553	30	0.3802919	40	0.3238409
SURR: Phenol-d6	5	1.58935	10	1.567515	15	1.395594	20	1.494284	30	1.539526	40	1.38371
SURR: Terphenyl-d14	5	1.26166	10	1.191657	15	0.9986255	20	1.062138	30	1.07147	40	0.9138951

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Calibration:	SH50055	Instrument:	BNA #4
		Calibration Date:	08/26/25 08:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50055
Instrument: BNA #4
Calibration Date: 08/26/25 08:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1-Biphenyl	0.5849097	8.523121	7.7	3.294556E-02			SPCC (0.01)	
1,2,4,5-Tetrachlorobenzene	0.5528079	4.994006	7.433	1.789114E-02			SPCC (0.01)	
1,2,4-Trichlorobenzene	0.3372859	13.41646	6.514	2.024122E-02			20	
1,2-Dichlorobenzene	1.57934	13.15976	5.629833	2.922232E-03			20	
1,2-Diphenylhydrazine (as Azobenzene)	0.762806	8.456511	9.348	1.942952E-02			20	
1,3-Dichlorobenzene	1.559677	12.39216	5.421	4.155512E-02			20	
1,4-Dichlorobenzene	1.67781	11.8439	5.467	1.855059E-02			20	
1-Methylnaphthalene	0.6986246	17.46802	7.334	2.051592E-02			20	
2,3,4,6-Tetrachlorophenol	0.1517597	10.21507	8.915	0.0325652			SPCC (0.01)	
2,4,5-Trichlorophenol	0.417732	10.69336	7.606	4.111471E-02			SPCC (0.2)	
2,4,6-Trichlorophenol	0.3548106	8.564442	7.545	3.074564E-02			SPCC (0.2)	
2,4-Dichlorophenol	0.2934897	13.21461	6.455	7.102905E-02			SPCC (0.2)	
2,4-Dimethylphenol	0.2784688	9.823368	6.258	0.0607824			SPCC (0.2)	
2,4-Dinitrophenol	9.013492E-03	95.44649	8.527833	0.9735907	samples ND so no qual		SPCC (0.01)	*
2,4-Dinitrotoluene	0.4192628	5.480735	8.732667	3.456344E-02			SPCC (0.2)	
2,6-Dinitrotoluene	0.3049834	7.120746	8.198	0.0360816			SPCC (0.2)	
2-Chloronaphthalene	1.108758	9.856086	7.740833	2.755629E-02			SPCC (0.8)	
2-Chlorophenol	1.336341	8.695487	5.316333	4.277368E-02			SPCC (0.8)	
2-Methylnaphthalene	0.7552264	15.23568	7.218	1.812864E-02			SPCC (0.4)	
2-Methylphenol	1.060886	5.797182	5.700333	4.057099E-02			SPCC (0.7)	
2-Nitroaniline	0.348959	6.958179	7.899667	2.555161E-02			SPCC (0.01)	
2-Nitrophenol	0.1576091	6.26028	6.243333	4.540057E-02			SPCC (0.1)	
3- & 4-Methylphenols	2.607143	4.164792	5.700333	4.057099E-02			SPCC (0.6)	
3,3-Dichlorobenzidine	0.4652633	12.32041	15.19167	2.939159E-02			SPCC (0.01)	
3-Nitroaniline	0.3166363	5.551643	8.405	4.544147E-02		>0.99	SPCC (0.01)	
4,6-Dinitro-2-methylphenol	1.508259E-02	75.17211	9.334833	8.074274E-02		0.9977016	SPCC (0.01)	
4-Bromophenyl phenyl ether	0.2561176	10.33958	9.719834	2.163097E-02			SPCC (0.1)	
4-Chloro-3-methylphenol	0.3630471	14.90827	7.085	2.831808E-02			SPCC (0.2)	
4-Chloroaniline	0.3748858	7.5008	6.644	4.273757E-02			SPCC (0.01)	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50055
Instrument: BNA #4
Calibration Date: 08/26/25 08:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
4-Chlorophenyl phenyl ether	0.7745267	11.79785	9.122	3.642385E-02			SPCC (0.4)	
4-Nitroaniline	0.3069215	5.502727	9.2765	0.0488817			SPCC (0.01)	
4-Nitrophenol	0.2591502	12.2773	8.627833	0.1322882			SPCC (0.01)	
Acenaphthene	1.19764	12.05238	8.47	3.328476E-02			SPCC (0.9)	
Acenaphthylene	1.865269	11.42973	8.242	0.0101799			SPCC (0.9)	
Acetophenone	1.934179	2.917599	5.813	5.621723E-02			SPCC (0.01)	
Aniline	1.580003	4.0439	5.217667	4.048821E-02			SPCC ()	
Anthracene	1.227101	10.34118	10.381	2.821925E-02			SPCC (0.7)	
Atrazine	0.232334	9.33462	9.934	4.275136E-02			SPCC (0.01)	
Benzaldehyde	0.9177215	5.035831	5.101	4.527967E-02			SPCC (0.01)	
Benzidine	0.5738055	17.20682	12.513	6.751639E-03			20	
Benzo(a)anthracene	1.302767	10.53829	15.1585	2.342064E-02			SPCC (0.8)	
Benzo(a)pyrene	1.04286	10.66857	18.12683	3.190452E-02			SPCC (0.7)	
Benzo(b)fluoranthene	1.046907	9.316545	17.481	4.362045E-02			SPCC (0.7)	
Benzo(g,h,i)perylene	0.6961343	10.68826	20.698	1.605184E-02			SPCC (0.5)	
Benzo(k)fluoranthene	1.187529	16.27932	17.51083	0.1633875			SPCC (0.7)	
Benzoic acid	0.1019725	32.46029	6.383	0.1301725		0.9911549	0.99	
Benzyl alcohol	0.7987498	4.503753	5.593	8.648823E-02			20	
Benzyl butyl phthalate	0.5747605	9.698271	14.078	0.023834			20	
Bis(2-chloroethoxy)methane	0.3266846	10.01558	6.322	2.022078E-02			SPCC (0.3)	
Bis(2-chloroethyl)ether	1.227117	13.41886	5.246667	3.845143E-02			SPCC (0.7)	
Bis(2-chloroisopropyl)ether	0.8548758	8.491432	5.693833	2.232665E-02			SPCC (0.01)	
Bis(2-ethylhexyl)phthalate	0.7983459	12.67117	15.4	0.0232753			20	
Caprolactam	0.1158326	10.32041	6.965833	0.204756			SPCC (0.01)	
Carbazole	1.091117	7.118415	10.61583	1.844665E-02			SPCC (0.01)	
Chrysene	1.25269	13.05856	15.2535	4.660273E-02			SPCC (0.7)	
Dibenzo(a,h)anthracene	0.8893377	6.688036	20.23683	1.619199E-02			SPCC (0.4)	
Dibenzofuran	1.752524	10.44972	8.676	3.808592E-02			SPCC (0.8)	
Diethyl phthalate	1.442964	11.74524	8.992333	0.0350877			SPCC (0.01)	
Dimethyl phthalate	1.381405	13.25688	8.074	1.869791E-02			SPCC (0.01)	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50055
Instrument: BNA #4
Calibration Date: 08/26/25 08:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Di-n-butyl phthalate	1.331279	9.494661	11.15983	2.726466E-02			SPCC (0.01)	
Di-n-octyl phthalate	1.371691	11.1339	16.73017	2.850141E-02			SPCC (0.01)	
Diphenylamine	0.5558048	9.901609	9.310667	3.236386E-02			20	
Fluoranthene	1.463279	8.588519	12.228	3.040681E-02			SPCC (0.6)	
Fluorene	1.519081	11.76269	9.168	1.791929E-02			SPCC (0.9)	
Hexachlorobenzene	0.1026793	11.39629	9.9175	1.148112E-02			SPCC (0.1)	
Hexachlorobutadiene	0.2223087	13.13507	6.706	2.144321E-02			SPCC (0.01)	
Hexachlorocyclopentadiene	8.566129E-03	99.2898	7.4308	6.790027E-02		0.9959231	SPCC (0.05)	
Hexachloroethane	0.559474	7.838444	5.88	1.329984E-02			SPCC (0.3)	
Indeno(1,2,3-cd)pyrene	1.049754	10.40389	20.223	2.249402E-02			SPCC (0.5)	
Isophorone	0.6484011	11.05376	6.148166	3.871858E-02			SPCC (0.4)	
Naphthalene	1.01712	13.20219	6.576	4.672469E-02			SPCC (0.7)	
Nitrobenzene	0.388243	9.813632	5.968	3.551626E-02			SPCC (0.2)	
N-Nitrosodimethylamine	0.6635301	6.05826	3.216	0.1839248			20	
N-nitroso-di-n-propylamine	1.140735	4.898514	5.818	5.080595E-02			SPCC (0.5)	
N-Nitrosodiphenylamine	0.1909353	10.11701	9.310667	3.236386E-02			SPCC (0.01)	
Parathion	0.1609392	7.215967	11.49	1.895372E-02			20	
Pentachloronitrobenzene	0.1043411	5.853357	10.226	3.951786E-02			20	
Pentachlorophenol	7.869126E-02	23.29238	10.14333	4.166328E-02		0.9949753	SPCC (0.05)	
Phenanthrene	1.160745	9.803067	10.323	3.017539E-02			SPCC (0.7)	
Phenol	1.708948	6.872651	5.21	8.544453E-02			SPCC (0.8)	
Pyrene	1.30772	11.88042	12.653	0.0257425			SPCC (0.6)	
Pyridine	1.088602	4.569122	3.225833	0.309314			20	
SURR: 2,4,6-Tribromophenol	0.1146125	7.982944	9.51	0.0190316			20	
SURR: 2-Fluorobiphenyl	1.34622	9.452083	7.596	6.53904E-03			20	
SURR: 2-Fluorophenol	0.9410135	2.667409	4.409	0.1332468			20	
SURR: Nitrobenzene-d5	0.3926098	11.7377	5.950667	0.0310468			20	
SURR: Phenol-d6	1.494997	5.86273	5.2	4.827605E-02			20	
SURR: Terphenyl-d14	1.083241	11.67776	12.974	2.101341E-02			20	

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50067

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA #1

Calibration Date: 08/29/25 08:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
1,1-Biphenyl	1.25	~~0.6771467~~	2.5	~~0.698277~~	5	0.7407287	10	0.6786351	15	0.6042483	20	0.6275972
1,2,4,5-Tetrachlorobenzene	1.25	~~0.5693113~~	2.5	~~0.5663075~~	5	0.5777229	10	0.5182269	15	0.5100761	20	0.485254
1,2,4-Trichlorobenzene	1.25	~~0.3832183~~	2.5	~~0.3938701~~	5	0.4157183	10	0.3714297	15	0.3192244	20	0.3265694
1,2-Dichlorobenzene	1.25	~~1.635024~~	2.5	~~1.754143~~	5	1.899389	10	1.71833	15	1.509079	20	1.568292
1,2-Diphenylhydrazine (as Azobenzene)	1.25	~~1.103158~~	2.5	~~1.218479~~	5	1.334292	10	1.194296	15	1.067491	20	1.103523
1,3-Dichlorobenzene	1.25	~~1.745908~~	2.5	~~1.824896~~	5	1.990596	10	1.790534	15	1.57764	20	1.606274
1,4-Dichlorobenzene	1.25	~~1.745908~~	2.5	~~1.863512~~	5	2.043374	10	1.814278	15	1.583333	20	1.650973
1-Methylnaphthalene	1.25	~~0.758036~~	2.5	~~0.8168522~~	5	0.8904441	10	0.7917964	15	0.6975813	20	0.7105678
2,3,4,6-Tetrachlorophenol	1.25	0.177489	2.5	0.1828478	5	0.2042591	10	0.1922658	15	0.1740084	20	0.1833001
2,4,5-Trichlorophenol	1.25	0.4041862	2.5	0.4259701	5	0.457476	10	0.4287851	15	0.3771594	20	0.3951554
2,4,6-Trichlorophenol	1.25	0.3814142	2.5	0.3992698	5	0.4423849	10	0.3901546	15	0.3547074	20	0.3716789
2,4-Dichlorophenol	1.25	0.3140954	2.5	0.3448116	5	0.3777993	10	0.3394791	15	0.2960519	20	0.3079211
2,4-Dimethylphenol	1.25	0.338233	2.5	0.3686146	5	0.4003158	10	0.3663179	15	0.3197212	20	0.3318533
2,4-Dinitrophenol	1.25	8.243329E-02	2.5	0.1083328	5	0.1218962	10	0.1308607	15	0.1282398	20	0.1408653
2,4-Dinitrotoluene	1.25	~~0.3254957~~	2.5	~~0.3727482~~	5	0.4491461	10	0.4497756	15	0.4167254	20	0.4475146
2,6-Dinitrotoluene	1.25	~~0.235262~~	2.5	~~0.2749212~~	5	0.3198052	10	0.3212611	15	0.2909588	20	0.3127636
2-Chloronaphthalene	1.25	~~1.182469~~	2.5	~~1.323576~~	5	1.390548	10	1.257728	15	1.121995	20	1.158258
2-Chlorophenol	1.25	1.479769	2.5	1.630083	5	1.74353	10	1.59184	15	1.38812	20	1.468261
2-Methylnaphthalene	1.25	~~0.8441548~~	2.5	~~0.9211933~~	5	1.003808	10	0.8785213	15	0.7801299	20	0.7913166
2-Methylphenol	1.25	1.247533	2.5	1.401172	5	1.4917	10	1.38905	15	1.21754	20	1.294921
2-Nitroaniline	1.25	~~0.332397~~	2.5	~~0.3695927~~	5	0.4318433	10	0.4301606	15	0.3873378	20	0.4231772
2-Nitrophenol	1.25	0.1827365	2.5	0.2053487	5	0.2349662	10	0.2129312	15	0.1928748	20	0.1998461
3- & 4-Methylphenols	1.25	1.91465	2.5	2.11453	5	2.316648	10	2.126337	15	1.893158	20	1.966545
3,3-Dichlorobenzidine	1.25	~~0.4656835~~	2.5	~~0.4227596~~	5	0.5312695	10	0.4199458	15	0.5440202	20	0.5351524
3-Nitroaniline	1.25	~~0.3014424~~	2.5	~~0.3466433~~	5	0.397553	10	0.4004326	15	0.3556063	20	0.3783208
4,6-Dinitro-2-methylphenol	1.25	8.791825E-02	2.5	9.113603E-02	5	0.1139765	10	0.1192106	15	0.1167161	20	0.1299742
4-Bromophenyl phenyl ether	1.25	~~0.2607465~~	2.5	~~0.2803684~~	5	0.2983798	10	0.2707941	15	0.2414082	20	0.2565942
4-Chloro-3-methylphenol	1.25	0.3803781	2.5	0.4178402	5	0.4704831	10	0.424319	15	0.3813409	20	0.3880368

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50067

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA #1

Calibration Date: 08/29/25 08:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
4-Chloroaniline	1.25	~~0.4852914~~	2.5	~~0.5323997~~	5	0.5824461	10	0.5256927	15	0.4646005	20	0.4763279
4-Chlorophenyl phenyl ether	1.25	~~0.7136538~~	2.5	~~0.776321~~	5	0.8556847	10	0.7518871	15	0.6629532	20	0.6906508
4-Nitroaniline	1.25	~~0.3174367~~	2.5	~~0.3490465~~	5	0.411368	10	0.4175119	15	0.3769736	20	0.3947829
4-Nitrophenol	1.25	0.3459636	2.5	0.4036811	5	0.4576172	10	0.456051	15	0.413331	20	0.4421741
Acenaphthene	1.25	~~1.205534~~	2.5	~~1.38424~~	5	1.523033	10	1.401165	15	1.236105	20	1.30014
Acenaphthylene	1.25	~~1.972858~~	2.5	~~2.132546~~	5	2.296953	10	2.094494	15	1.846569	20	1.912422
Acetophenone	1.25	~~2.502773~~	2.5	~~2.466038~~	5	2.667843	10	2.369195	15	2.316447	20	2.21216
Alpha Terpineol	1.25	~~0.4098213~~	2.5	~~0.4221832~~	5	0.4406664	10	0.3994686	15	0.3546011	20	0.3580903
Aniline	1.25	~~2.076835~~	2.5	~~2.382711~~	5	2.673746	10	2.426021	15	2.181733	20	2.255556
Anthracene	1.25	~~1.27809~~	2.5	~~1.375419~~	5	1.484892	10	1.350373	15	1.190505	20	1.232634
Atrazine	1.25	~~0.2745757~~	2.5	~~0.2776413~~	5	0.2882365	10	0.2579662	15	0.2561021	20	0.2458581
Benzaldehyde	1.25	~~1.350567~~	2.5	~~1.360751~~	5	1.415512	10	1.202458	15	1.174742	20	1.081927
Benzidine	1.25	~~0.4486977~~	2.5	~~0.4291902~~	5	0.529168	10	0.3770592	15	0.4884702	20	0.4761662
Benzo(a)anthracene	1.25	~~1.429502~~	2.5	~~1.561456~~	5	1.650518	10	1.48592	15	1.315202	20	1.351095
Benzo(a)pyrene	1.25	~~1.407234~~	2.5	~~1.470575~~	5	1.563705	10	1.492731	15	1.324838	20	1.340525
Benzo(b)fluoranthene	1.25	~~1.476492~~	2.5	~~1.501149~~	5	1.624408	10	1.523358	15	1.33673	20	1.378353
Benzo(g,h,i)perylene	1.25	~~1.170398~~	2.5	~~1.25326~~	5	1.372842	10	1.303608	15	1.143243	20	1.214228
Benzo(k)fluoranthene	1.25	~~1.490668~~	2.5	~~1.554775~~	5	1.695641	10	1.557714	15	1.392527	20	1.388382
Benzoic acid	1.25	~~0.1454548~~	2.5	~~0.1959691~~	5	0.293553	10	0.3099619	15	0.2943415	20	0.3230516
Benzyl alcohol	1.25	~~0.9923499~~	2.5	~~1.140976~~	5	1.242837	10	1.14779	15	1.022498	20	1.083492
Benzyl butyl phthalate	1.25	~~0.5826704~~	2.5	~~0.6366706~~	5	0.7311343	10	0.6773528	15	0.6078452	20	0.6389897
Bis(2-chloroethoxy)methane	1.25	~~0.5498431~~	2.5	~~0.5888625~~	5	0.6221453	10	0.5576916	15	0.4887296	20	0.4980337
Bis(2-chloroethyl)ether	1.25	~~1.718446~~	2.5	~~1.783993~~	5	2.002614	10	1.826981	15	1.613586	20	1.681
Bis(2-chloroisopropyl)ether	1.25	~~1.890523~~	2.5	~~2.089468~~	5	2.274653	10	2.050675	15	1.851781	20	1.908888
Bis(2-ethylhexyl)phthalate	1.25	~~0.7827829~~	2.5	~~0.8658269~~	5	0.9935049	10	0.9232275	15	0.8292014	20	0.8642788
Caprolactam	1.25	~~0.1479352~~	2.5	~~0.1600413~~	5	0.1742059	10	0.1543054	15	0.1299502	20	0.1128413
Carbazole	1.25	~~1.282461~~	2.5	~~1.379852~~	5	1.469719	10	1.343194	15	1.203706	20	1.234739
Chrysene	1.25	~~1.391742~~	2.5	~~1.448601~~	5	1.564094	10	1.407314	15	1.240728	20	1.268704

FORM VI INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50067
Instrument: BNA #1
Calibration Date: 08/29/25 08:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Dibenzo(a,h)anthracene	1.25	~~1.184422~~	2.5	~~1.280414~~	5	1.426249	10	1.356913	15	1.203536	20	1.26295
Dibenzofuran	1.25	~~1.894527~~	2.5	~~2.007662~~	5	2.138696	10	1.926489	15	1.703196	20	1.765335
Diethyl phthalate	1.25	~~1.627771~~	2.5	~~1.743625~~	5	1.867959	10	1.738714	15	1.522178	20	1.557316
Dimethyl phthalate	1.25	~~1.549373~~	2.5	~~1.637273~~	5	1.7748	10	1.624073	15	1.426099	20	1.472281
Di-n-butyl phthalate	1.25	~~1.489291~~	2.5	~~1.575569~~	5	1.75305	10	1.610267	15	1.428151	20	1.462812
Di-n-octyl phthalate	1.25	~~1.287223~~	2.5	~~1.451059~~	5	1.641138	10	1.573722	15	1.42915	20	1.461451
Diphenylamine	1.25	~~0.6799141~~	2.5	~~0.7179492~~	5	0.7803008	10	0.7115257	15	0.6281597	20	0.6640657
Fluoranthene	1.25	~~1.594034~~	2.5	~~1.683132~~	5	1.804514	10	1.646548	15	1.454581	20	1.489682
Fluorene	1.25	~~1.546383~~	2.5	~~1.678934~~	5	1.820104	10	1.65004	15	1.452299	20	1.509972
Hexachlorobenzene	1.25	~~0.1317172~~	2.5	~~0.1381797~~	5	0.1484133	10	0.1338642	15	0.1177595	20	0.1254766
Hexachlorobutadiene	1.25	~~0.221442~~	2.5	~~0.2332878~~	5	0.2475523	10	0.2128541	15	0.1857871	20	0.1887305
Hexachlorocyclopentadiene	1.25	~~0.2823683~~	2.5	~~0.2927124~~	5	0.3384269	10	0.3153751	15	0.2809048	20	0.3063206
Hexachloroethane	1.25	~~0.6813797~~	2.5	~~0.749005~~	5	0.8027852	10	0.7380025	15	0.6355946	20	0.6746904
Indeno(1,2,3-cd)pyrene	1.25	~~1.151365~~	2.5	~~1.235787~~	5	1.353297	10	1.308967	15	1.196229	20	1.552146
Isophorone	1.25	~~0.98007~~	2.5	~~1.090218~~	5	1.174821	10	1.043204	15	0.9159969	20	0.9290464
Naphthalene	1.25	~~1.228242~~	2.5	~~1.307307~~	5	1.415193	10	1.248306	15	1.087985	20	1.091458
Nitrobenzene	1.25	~~0.549281~~	2.5	~~0.6112457~~	5	0.6538567	10	0.5881403	15	0.5110717	20	0.5225791
N-Nitrosodimethylamine	1.25	~~1.091387~~	2.5	~~1.229389~~	5	1.314604	10	1.231649	15	1.084177	20	1.144708
N-nitroso-di-n-propylamine	1.25	~~1.603018~~	2.5	~~1.738983~~	5	1.913236	10	1.740722	15	1.559148	20	1.634397
N-Nitrosodiphenylamine	1.25	~~0.2462578~~	2.5	~~0.2554603~~	5	0.269031	10	0.2527262	15	0.2248011	20	0.2384023
Parathion	1.25	~~8.599647E-02~~	2.5	~~0.105684~~	5	0.1398472	10	0.1564392	15	0.152224	20	0.1684511
Pentachloronitrobenzene	1.25	~~0.1027901~~	2.5	~~0.1090384~~	5	0.1317009	10	0.1292101	15	0.1173068	20	0.1273342
Pentachlorophenol	1.25	0.1356424	2.5	0.1528428	5	0.1761481	10	0.1750886	15	0.1613939	20	0.1752439
Phenanthrene	1.25	~~1.340095~~	2.5	~~1.392067~~	5	1.484995	10	1.353736	15	1.180541	20	1.222786
Phenol	1.25	2.042989	2.5	2.258864	5	2.477133	10	2.261115	15	1.995422	20	2.082674
Pyrene	1.25	~~1.381779~~	2.5	~~1.489311~~	5	1.642527	10	1.42906	15	1.263097	20	1.341058
Pyridine	1.25	~~0.5281663~~	2.5	~~1.096535~~	5	1.691027	10	1.606442	15	1.607096	20	1.480929
SURR: 2,4,6-Tribromophenol	1.25	0.1131589	2.5	0.1159169	5	0.1263854	10	0.1249791	15	0.1118577	20	0.122268
SURR: 2-Fluorobiphenyl	1.25	1.398927	2.5	1.520459	5	1.619025	10	1.463742	15	1.288506	20	1.328772

FORM VI

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50067
Instrument: BNA #1
Calibration Date: 08/29/25 08:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
SURR: 2-Fluorophenol	1.25	1.405635	2.5	1.584789	5	1.711668	10	1.550211	15	1.371474	20	1.431417
SURR: Nitrobenzene-d5	1.25	0.5037487	2.5	0.5432028	5	0.5924039	10	0.5369961	15	0.4688059	20	0.4863332
SURR: Phenol-d6	1.25	1.947633	2.5	2.142974	5	2.326923	10	2.154705	15	1.887563	20	1.981612
SURR: Terphenyl-d14	1.25	1.067012	2.5	1.141364	5	1.253296	10	1.103278	15	0.9773297	20	1.038415

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50067
Instrument: BNA #1
Calibration Date: 08/29/25 08:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
1,1-Biphenyl	30	0.6081375	40	0.590421								
1,2,4,5-Tetrachlorobenzene	30	0.4954178	40	0.5133022								
1,2,4-Trichlorobenzene	30	0.31256	40	0.2979685								
1,2-Dichlorobenzene	30	1.561618	40	1.468988								
1,2-Diphenylhydrazine (as Azobenzene)	30	1.027649	40	0.9487228								
1,3-Dichlorobenzene	30	1.616791	40	1.513541								
1,4-Dichlorobenzene	30	1.620802	40	1.513812								
1-Methylnaphthalene	30	0.6661184	40	0.6290887								
2,3,4,6-Tetrachlorophenol	30	0.1835186	40	0.1799302								
2,4,5-Trichlorophenol	30	0.3922978	40	0.3857417								
2,4,6-Trichlorophenol	30	0.3638159	40	0.3591393								
2,4-Dichlorophenol	30	0.2927297	40	0.2859062								
2,4-Dimethylphenol	30	0.3105518	40	0.3026113								
2,4-Dinitrophenol	30	0.153257	40	0.1627299								
2,4-Dinitrotoluene	30	0.4538491	40	0.4434963								
2,6-Dinitrotoluene	30	0.3163762	40	0.3173706								
2-Chloronaphthalene	30	1.118054	40	1.069135								
2-Chlorophenol	30	1.443435	40	1.349283								
2-Methylnaphthalene	30	0.7438639	40	0.704308								
2-Methylphenol	30	1.265873	40	1.214549								
2-Nitroaniline	30	0.4244648	40	0.4188911								
2-Nitrophenol	30	0.1971003	40	0.1890707								
3- & 4-Methylphenols	30	1.956032	40	1.8474								
3,3-Dichlorobenzidine	30	0.5096015	40	0.4789463								
3-Nitroaniline	30	0.3833292	40	0.3785451								
4,6-Dinitro-2-methylphenol	30	0.1397773	40	0.1476478								
4-Bromophenyl phenyl ether	30	0.2516389	40	0.2469029								
4-Chloro-3-methylphenol	30	0.36936	40	0.3532724								

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50067
Instrument: BNA #1
Calibration Date: 08/29/25 08:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
4-Chloroaniline	30	0.4577131	40	0.4368563								
4-Chlorophenyl phenyl ether	30	0.683512	40	0.6679096								
4-Nitroaniline	30	0.4015814	40	0.3929369								
4-Nitrophenol	30	0.4427181	40	0.4291531								
Acenaphthene	30	1.199871	40	1.141177								
Acenaphthylene	30	1.817923	40	1.705667								
Acetophenone	30	2.190611	40	2.170497								
Alpha Terpineol	30	0.3343553	40	0.3140954								
Aniline	30	2.263613	40	2.10346								
Anthracene	30	1.163532	40	1.081481								
Atrazine	30	0.2459298	40	0.2473138								
Benzaldehyde	30	1.048857	40	0.9756484								
Benzidine	30	0.4621942	40	0.4629945								
Benzo(a)anthracene	30	1.286807	40	1.215721								
Benzo(a)pyrene	30	1.31779	40	1.234696								
Benzo(b)fluoranthene	30	1.356113	40	1.284592								
Benzo(g,h,i)perylene	30	1.192418	40	1.128743								
Benzo(k)fluoranthene	30	1.318159	40	1.223138								
Benzoic acid	30	0.3227905	40	0.3205246								
Benzyl alcohol	30	1.081619	40	1.05063								
Benzyl butyl phthalate	30	0.6164411	40	0.6018414								
Bis(2-chloroethoxy)methane	30	0.4677985	40	0.4415826								
Bis(2-chloroethyl)ether	30	1.577378	40	1.509943								
Bis(2-chloroisopropyl)ether	30	1.82809	40	1.694396								
Bis(2-ethylhexyl)phthalate	30	0.8396139	40	0.8068597								
Caprolactam	30	0.1142904	40	0.114266								
Carbazole	30	1.165553	40	1.090714								
Chrysene	30	1.193831	40	1.136211								

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50067
Instrument: BNA #1
Calibration Date: 08/29/25 08:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Dibenzo(a,h)anthracene	30	1.254393	40	1.19977								
Dibenzofuran	30	1.720793	40	1.636424								
Diethyl phthalate	30	1.512932	40	1.43683								
Dimethyl phthalate	30	1.415975	40	1.355453								
Di-n-butyl phthalate	30	1.384775	40	1.290269								
Di-n-octyl phthalate	30	1.440613	40	1.359222								
Diphenylamine	30	0.6349181	40	0.6104881								
Fluoranthene	30	1.422693	40	1.340638								
Fluorene	30	1.461863	40	1.392616								
Hexachlorobenzene	30	0.1222468	40	0.1201584								
Hexachlorobutadiene	30	0.1800655	40	0.1736362								
Hexachlorocyclopentadiene	30	0.3113619	40	0.322734								
Hexachloroethane	30	0.6704154	40	0.6357047								
Indeno(1,2,3-cd)pyrene	30	1.275569	40	1.201216								
Isophorone	30	0.8570379	40	0.8066285								
Naphthalene	30	1.011505	40	0.9249165								
Nitrobenzene	30	0.4894315	40	0.4565391								
N-Nitrosodimethylamine	30	1.139677	40	1.070447								
N-nitroso-di-n-propylamine	30	1.576061	40	1.497082								
N-Nitrosodiphenylamine	30	0.2315925	40	0.2337495								
Parathion	30	0.1832936	40	0.1884706								
Pentachloronitrobenzene	30	0.1241428	40	0.1253658								
Pentachlorophenol	30	0.1778638	40	0.1814747								
Phenanthrene	30	1.152167	40	1.065754								
Phenol	30	2.053282	40	1.92654								
Pyrene	30	1.20746	40	1.117666								
Pyridine	30	1.589446	40	1.525024								
SURR: 2,4,6-Tribromophenol	30	0.1206782	40	0.1232212								

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50067

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: BNA #1

Calibration Date: 08/29/25 08:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
SURR: 2-Fluorobiphenyl	30	1.277138	40	1.22112								
SURR: 2-Fluorophenol	30	1.414759	40	1.341427								
SURR: Nitrobenzene-d5	30	0.4562407	40	0.4314986								
SURR: Phenol-d6	30	1.956883	40	1.854258								
SURR: Terphenyl-d14	30	0.9623457	40	0.9173426								

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50067
Instrument: BNA #1
Calibration Date: 08/29/25 08:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1-Biphenyl	0.641628	8.9608	7.7715	0.0278494			SPCC (0.01)	
1,2,4,5-Tetrachlorobenzene	0.5166667	6.25571	7.494333	0.0299849			SPCC (0.01)	
1,2,4-Trichlorobenzene	0.3405784	13.03261	6.564	2.01563E-03			20	
1,2-Dichlorobenzene	1.620949	9.905864	5.68	1.027446E-02			20	
1,2-Diphenylhydrazine (as Azobenzene)	1.112662	12.19192	9.434	2.647009E-02			20	
1,3-Dichlorobenzene	1.682563	10.50691	5.477	1.095719E-02			20	
1,4-Dichlorobenzene	1.704429	11.37064	5.518	1.686355E-02			20	
1-Methylnaphthalene	0.7309328	13.01484	7.397	4.172241E-02			20	
2,3,4,6-Tetrachlorophenol	0.1847024	5.159234	8.99075	2.731856E-02			SPCC (0.01)	
2,4,5-Trichlorophenol	0.4083465	6.593551	7.63825	2.926048E-02			SPCC (0.2)	
2,4,6-Trichlorophenol	0.3828206	7.461059	7.592	1.871001E-02			SPCC (0.2)	
2,4-Dichlorophenol	0.3198493	9.883913	6.480125	3.941023E-02			SPCC (0.2)	
2,4-Dimethylphenol	0.3422774	9.786145	6.28275	5.189781E-02			SPCC (0.2)	
2,4-Dinitrophenol	0.1285769	19.75348	8.598	5.329445E-02			SPCC (0.01)	
2,4-Dinitrotoluene	0.4434178	3.044627	8.799	5.804195E-02			SPCC (0.2)	
2,6-Dinitrotoluene	0.3130893	3.587757	8.271167	1.804145E-02			SPCC (0.2)	
2-Chloronaphthalene	1.185953	9.985837	7.808	0.0354508			SPCC (0.8)	
2-Chlorophenol	1.51179	8.782475	5.355	8.617848E-03			SPCC (0.8)	
2-Methylnaphthalene	0.8169913	13.26784	7.2785	1.210759E-02			SPCC (0.4)	
2-Methylphenol	1.315292	7.661763	5.71575	4.258128E-02			SPCC (0.7)	
2-Nitroaniline	0.4193125	3.902327	7.957333	2.381966E-02			SPCC (0.01)	
2-Nitrophenol	0.2018593	8.09152	6.28575	3.858339E-02			SPCC (0.1)	
3- & 4-Methylphenols	2.016913	7.774064	5.83125	5.480892E-02			SPCC (0.6)	
3,3-Dichlorobenzidine	0.5031559	9.337072	15.28	2.973489E-02			SPCC (0.01)	
3-Nitroaniline	0.3822978	4.225875	8.468	5.755179E-02			SPCC (0.01)	
4,6-Dinitro-2-methylphenol	0.1182946	17.90921	9.378625	4.606785E-02			SPCC (0.01)	
4-Bromophenyl phenyl ether	0.260953	8.006766	9.797	2.791542E-02			SPCC (0.1)	
4-Chloro-3-methylphenol	0.3981288	9.421157	7.1025	5.717659E-02			SPCC (0.2)	
4-Chloroaniline	0.4906061	10.98293	6.686	1.148557E-02			SPCC (0.01)	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50067
Instrument: BNA #1
Calibration Date: 08/29/25 08:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
4-Chlorophenyl phenyl ether	0.7187662	10.33269	9.231	2.019949E-02			SPCC (0.4)	
4-Nitroaniline	0.3991925	3.615976	9.340834	5.977033E-02			SPCC (0.01)	
4-Nitrophenol	0.4238361	8.683094	8.6255	8.916363E-02			SPCC (0.01)	
Acenaphthene	1.300249	10.83895	8.56	4.075276E-02			SPCC (0.9)	
Acenaphthylene	1.945671	11.03272	8.325	2.475104E-02			SPCC (0.9)	
Acetophenone	2.321126	8.040231	5.856	4.113034E-02			SPCC (0.01)	
Alpha Terpineol	0.3668795	12.53731	6.588	4.063614E-02	NTA			*
Aniline	2.317355	8.836803	5.264	5.769398E-02			SPCC ()	
Anthracene	1.25057	11.58581	10.45467	0.0251472			SPCC (0.7)	
Atrazine	0.2569011	6.319634	10.006	2.944683E-02			SPCC (0.01)	
Benzaldehyde	1.149857	13.42359	5.1515	1.185213E-02			SPCC (0.01)	
Benzidine	0.4660087	10.74332	12.58717	2.204963E-02			20	
Benzo(a)anthracene	1.38421	11.42266	15.24117	2.845106E-02			SPCC (0.8)	
Benzo(a)pyrene	1.379048	8.942146	18.20617	4.748174E-02			SPCC (0.7)	
Benzo(b)fluoranthene	1.417259	9.118511	17.55817	4.834999E-02			SPCC (0.7)	
Benzo(g,h,i)perylene	1.225847	7.752698	20.78667	0.062628			SPCC (0.5)	
Benzo(k)fluoranthene	1.42926	11.92753	17.6095	5.199486E-02			SPCC (0.7)	
Benzoic acid	0.3107038	4.453716	6.366	0.2892483			20	
Benzyl alcohol	1.104811	7.195842	5.624	5.349721E-02			20	
Benzyl butyl phthalate	0.6456007	7.762833	14.19017	2.216952E-02			20	
Bis(2-chloroethoxy)methane	0.5126635	12.89933	6.367	0.0407192			SPCC (0.3)	
Bis(2-chloroethyl)ether	1.701917	10.72746	5.297	9.085499E-03			SPCC (0.7)	
Bis(2-chloroisopropyl)ether	1.934747	10.48282	5.744	2.280422E-02			SPCC (0.01)	
Bis(2-ethylhexyl)phthalate	0.8761144	7.984865	15.527	2.278125E-02			20	
Caprolactam	0.1333099	19.17744	6.999667	0.2165235			SPCC (0.01)	
Carbazole	1.251271	10.83075	10.67817	2.984163E-02			SPCC (0.01)	
Chrysene	1.301814	12.08886	15.33817	5.606385E-02			SPCC (0.7)	
Dibenzo(a,h)anthracene	1.283968	7.004328	20.33317	5.500524E-02			SPCC (0.4)	
Dibenzofuran	1.815155	10.24587	8.767	2.378383E-02			SPCC (0.8)	
Diethyl phthalate	1.605988	10.15208	9.101167	5.055635E-02			SPCC (0.01)	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50067
Instrument: BNA #1
Calibration Date: 08/29/25 08:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Dimethyl phthalate	1.511447	10.43204	8.155	3.373062E-02			SPCC (0.01)	
Di-n-butyl phthalate	1.488221	11.21038	11.25583	2.755363E-02			SPCC (0.01)	
Di-n-octyl phthalate	1.484216	6.983137	16.865	0.0295059			SPCC (0.01)	
Diphenylamine	0.6715764	9.519095	9.396	3.462483E-02			20	
Fluoranthene	1.526443	11.1004	12.30717	1.749198E-02			SPCC (0.6)	
Fluorene	1.547816	10.28132	9.268	3.215947E-02			SPCC (0.9)	
Hexachlorobenzene	0.1279865	8.955826	9.987	1.793469E-02			SPCC (0.1)	
Hexachlorobutadiene	0.1981043	13.96407	6.773	0.0212771			SPCC (0.01)	
Hexachlorocyclopentadiene	0.3125205	6.10973	7.505	1.262434E-02			SPCC (0.05)	
Hexachloroethane	0.6928655	9.464528	5.936	1.815905E-02			SPCC (0.3)	
Indeno(1,2,3-cd)pyrene	1.314571	9.996729	20.29733	4.866264E-02			SPCC (0.5)	
Isophorone	0.9544558	14.04918	6.194833	0.0489905			SPCC (0.4)	
Naphthalene	1.129894	15.56674	6.629833	4.451294E-02			SPCC (0.7)	
Nitrobenzene	0.5369364	13.40108	6.011833	1.625554E-02			SPCC (0.2)	
N-Nitrosodimethylamine	1.16421	7.997511	3.297833	8.814236E-03			20	
N-nitroso-di-n-propylamine	1.653441	9.164307	5.862167	5.422616E-02			SPCC (0.5)	
N-Nitrosodiphenylamine	0.2417171	6.748321	9.396	3.462483E-02			SPCC (0.01)	
Parathion	0.1647876	11.40585	11.585	2.775089E-02			20	
Pentachloronitrobenzene	0.1258434	3.955067	10.2995	4.216234E-02			20	
Pentachlorophenol	0.1669623	9.496396	10.196	1.397798E-02			SPCC (0.05)	
Phenanthrene	1.24333	12.18707	10.39717	0.0305384			SPCC (0.7)	
Phenol	2.137252	8.464279	5.219625	7.767995E-02			SPCC (0.8)	
Pyrene	1.333478	13.91351	12.732	2.601156E-02			SPCC (0.6)	
Pyridine	1.583327	4.608425	3.307	0.1485684			20	
SURR: 2,4,6-Tribromophenol	0.1198082	4.58273	9.57775	3.206459E-02			20	
SURR: 2-Fluorobiphenyl	1.389711	9.817336	7.66425	0.0401696			20	
SURR: 2-Fluorophenol	1.476423	8.590512	4.44225	1.277929E-02			20	
SURR: Nitrobenzene-d5	0.5024037	10.50781	5.994	8.721429E-03			20	
SURR: Phenol-d6	2.031569	7.939241	5.210625	3.239625E-02			20	
SURR: Terphenyl-d14	1.057548	10.29932	13.06775	3.239262E-02			20	

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SG50013
Laboratory ID: S5G0933-SCV1
Sequence: S5G0933
Standard ID: S25D064

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
1,2,4-Trichlorobenzene	30.0	25.8	-13.8	30.00
1,2-Dichlorobenzene	30.0	25.2	-15.8	30.00
1,2-Diphenylhydrazine (as Azobenzene)	30.0	23.9	-20.2	30.00
1,3-Dichlorobenzene	30.0	25.9	-13.7	30.00
1,4-Dichlorobenzene	30.0	25.7	-14.4	30.00
1-Methylnaphthalene	30.0	24.4	-18.5	30.00
2,3,4,6-Tetrachlorophenol	30.0	30.0	0.07	30.00
2,4,5-Trichlorophenol	30.0	25.6	-14.6	30.00
2,4,6-Trichlorophenol	30.0	26.9	-10.3	30.00
2,4-Dichlorophenol	30.0	28.8	-3.9	30.00
2,4-Dimethylphenol	30.0	29.5	-1.6	30.00
2,4-Dinitrophenol	30.0	32.7	8.9	30.00
2,4-Dinitrotoluene	30.0	25.6	-14.6	30.00
2,6-Dinitrotoluene	30.0	25.4	-15.3	30.00
2-Chloronaphthalene	30.0	25.4	-15.5	30.00
2-Chlorophenol	30.0	26.8	-10.5	30.00
2-Methylnaphthalene	30.0	23.2	-22.7	30.00
2-Methylphenol	30.0	27.4	-8.6	30.00
2-Nitroaniline	30.0	25.6	-14.7	30.00
2-Nitrophenol	30.0	26.2	-12.7	30.00
3- & 4-Methylphenols	30.0	24.0	-19.9	30.00
3-Nitroaniline	30.0	25.6	-14.7	30.00
4,6-Dinitro-2-methylphenol	30.0	30.3	1.0	30.00
4-Bromophenyl phenyl ether	30.0	23.7	-21.0	30.00
4-Chloro-3-methylphenol	30.0	24.6	-18.0	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

Calibration used only to analyze Pyrene in sample 5

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SG50013
Laboratory ID: S5G0933-SCV1
Sequence: S5G0933
Standard ID: S25D064

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
4-Chloroaniline	30.0	26.9	-10.3	30.00
4-Chlorophenyl phenyl ether	30.0	24.6	-18.0	30.00
4-Nitroaniline	30.0	24.3	-19.0	30.00
4-Nitrophenol	30.0	25.9	-13.6	30.00
Acenaphthene	30.0	23.2	-22.7	30.00
Acenaphthylene	30.0	25.3	-15.7	30.00
Aniline	30.0	28.6	-4.8	30.00
Anthracene	30.0	24.3	-18.9	30.00
Benzo(a)anthracene	30.0	25.3	-15.5	30.00
Benzo(a)pyrene	30.0	25.0	-16.7	30.00
Benzo(b)fluoranthene	30.0	25.4	-15.4	30.00
Benzo(g,h,i)perylene	30.0	26.6	-11.5	30.00
Benzo(k)fluoranthene	30.0	25.5	-15.1	30.00
Benzyl alcohol	30.0	25.2	-16.0	30.00
Benzyl butyl phthalate	30.0	24.9	-17.1	30.00
Bis(2-chloroethoxy)methane	30.0	25.1	-16.2	30.00
Bis(2-chloroethyl)ether	30.0	25.0	-16.6	30.00
Bis(2-chloroisopropyl)ether	30.0	24.2	-19.4	30.00
Bis(2-ethylhexyl)phthalate	30.0	25.0	-16.6	30.00
Carbazole	30.0	23.8	-20.6	30.00
Chrysene	30.0	25.0	-16.5	30.00
Cresols, total	60.0	51.5	-14.2	30.00
Dibenzo(a,h)anthracene	30.0	24.8	-17.3	30.00
Dibenzofuran	30.0	24.3	-18.9	30.00
Diethyl phthalate	30.0	24.5	-18.3	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SG50013
Laboratory ID: S5G0933-SCV1
Sequence: S5G0933
Standard ID: S25D064

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
Dimethyl phthalate	30.0	24.8	-17.5	30.00
Di-n-butyl phthalate	30.0	24.3	-19.1	30.00
Di-n-octyl phthalate	30.0	24.7	-17.6	30.00
Diphenylamine	30.0	27.9	-7.1	30.00
Fluoranthene	30.0	23.9	-20.4	30.00
Fluorene	30.0	25.0	-16.6	30.00
Hexachlorobenzene	30.0	23.7	-20.9	30.00
Hexachlorobutadiene	30.0	26.4	-12.0	30.00
Hexachlorocyclopentadiene	30.0	24.3	-18.9	30.00
Hexachloroethane	30.0	25.7	-14.4	30.00
Indeno(1,2,3-cd)pyrene	30.0	25.6	-14.6	30.00
Isophorone	30.0	25.3	-15.7	30.00
Naphthalene	30.0	25.2	-16.0	30.00
Nitrobenzene	30.0	24.7	-17.6	30.00
N-Nitrosodimethylamine	30.0	25.5	-15.1	30.00
N-nitroso-di-n-propylamine	30.0	24.2	-19.2	30.00
N-Nitrosodiphenylamine	30.0	28.2	-6.0	30.00
Pentachlorophenol	30.0	28.8	-4.0	30.00
Phenanthrene	30.0	24.2	-19.5	30.00
Phenol	30.0	24.4	-18.7	30.00
Pyrene	30.0	24.8	-17.3	30.00
Pyridine	30.0	22.9	-23.8	30.00

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SG50013
Laboratory ID: S5G0933-SCV2
Sequence: S5G0933
Standard ID: S24K021

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
1,2,4,5-Tetrachlorobenzene	30.0	28.4	-5.4	30.00
3,3-Dichlorobenzidine	30.0	49.7	65.6 *	30.00
Acetophenone	30.0	25.4	-15.2	30.00
Atrazine	30.0	29.7	-0.9	30.00
Benzaldehyde	30.0	27.8	-7.4	30.00
Benzidine	30.0	30.6	2.0	30.00
Benzoic acid	30.0	30.7	2.3	30.00
Caprolactam	30.0	29.9	-0.3	30.00
Pentachloronitrobenzene	30.0	27.5	-8.2	30.00
Parathion	30.0	33.6	12.0	30.00

* Values outside of QC limits

Calibration used only to analyze Pyrene in sample 5



SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50050
Laboratory ID: S5H2508-SCV1
Sequence: S5H2508 used for samples 8 and 9 as well as re extraction of sample 7
Standard ID: S25D064

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
1,2,4-Trichlorobenzene	30.0	31.7	5.7	30.00
1,2-Dichlorobenzene	30.0	28.6	-4.7	30.00
1,2-Diphenylhydrazine (as Azobenzene)	30.0	26.5	-11.7	30.00
1,3-Dichlorobenzene	30.0	28.7	-4.4	30.00
1,4-Dichlorobenzene	30.0	29.2	-2.8	30.00
1-Methylnaphthalene	30.0	29.2	-2.8	30.00
2,3,4,6-Tetrachlorophenol	30.0	37.5	24.9	30.00
2,4,5-Trichlorophenol	30.0	32.9	9.7	30.00
2,4,6-Trichlorophenol	30.0	33.5	11.7	30.00
2,4-Dichlorophenol	30.0	32.9	9.6	30.00
2,4-Dimethylphenol	30.0	34.0	13.2	30.00
2,4-Dinitrophenol	30.0	31.9	6.2	30.00
2,4-Dinitrotoluene	30.0	34.2	14.0	30.00
2,6-Dinitrotoluene	30.0	35.3	17.8	30.00
2-Chloronaphthalene	30.0	30.3	1.1	30.00
2-Chlorophenol	30.0	29.8	-0.7	30.00
2-Methylnaphthalene	30.0	28.0	-6.6	30.00
2-Methylphenol	30.0	25.8	-14.1	30.00
2-Nitroaniline	30.0	33.7	12.4	30.00
2-Nitrophenol	30.0	35.1	17.1	30.00
3- & 4-Methylphenols	30.0	25.8	-14.1	30.00
3-Nitroaniline	30.0	32.9	9.6	30.00
4,6-Dinitro-2-methylphenol	30.0	31.4	4.8	30.00
4-Bromophenyl phenyl ether	30.0	26.8	-10.7	30.00
4-Chloro-3-methylphenol	30.0	32.1	7.0	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50050
Laboratory ID: S5H2508-SCV1
Sequence: S5H2508
Standard ID: S25D064

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
4-Chloroaniline	30.0	31.9	6.4	30.00
4-Chlorophenyl phenyl ether	30.0	29.5	-1.8	30.00
4-Nitroaniline	30.0	31.7	5.8	30.00
4-Nitrophenol	30.0	31.8	5.9	30.00
Acenaphthene	30.0	28.8	-3.9	30.00
Acenaphthylene	30.0	30.4	1.5	30.00
Aniline	30.0	31.6	5.5	30.00
Anthracene	30.0	29.3	-2.4	30.00
Benzo(a)anthracene	30.0	33.0	9.9	30.00
Benzo(a)pyrene	30.0	29.4	-1.9	30.00
Benzo(b)fluoranthene	30.0	30.0	-0.07	30.00
Benzo(g,h,i)perylene	30.0	37.5	25.1	30.00
Benzo(k)fluoranthene	30.0	30.4	1.5	30.00
Benzyl alcohol	30.0	29.0	-3.3	30.00
Benzyl butyl phthalate	30.0	35.2	17.2	30.00
Bis(2-chloroethoxy)methane	30.0	29.7	-0.9	30.00
Bis(2-chloroethyl)ether	30.0	27.5	-8.2	30.00
Bis(2-chloroisopropyl)ether	30.0	28.8	-3.9	30.00
Bis(2-ethylhexyl)phthalate	30.0	33.2	10.7	30.00
Carbazole	30.0	27.8	-7.3	30.00
Chrysene	30.0	30.8	2.7	30.00
Cresols, total	60.0	51.5	-14.1	30.00
Dibenzo(a,h)anthracene	30.0	32.5	8.3	30.00
Dibenzofuran	30.0	29.8	-0.5	30.00
Diethyl phthalate	30.0	30.4	1.3	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50050
Laboratory ID: S5H2508-SCV1
Sequence: S5H2508
Standard ID: S25D064

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
Dimethyl phthalate	30.0	30.1	0.4	30.00
Di-n-butyl phthalate	30.0	30.4	1.3	30.00
Di-n-octyl phthalate	30.0	31.1	3.7	30.00
Diphenylamine	30.0	30.1	0.5	30.00
Fluoranthene	30.0	28.5	-4.9	30.00
Fluorene	30.0	29.8	-0.6	30.00
Hexachlorobenzene	30.0	27.9	-7.1	30.00
Hexachlorobutadiene	30.0	32.1	7.1	30.00
Hexachlorocyclopentadiene	30.0	33.1	10.5	30.00
Hexachloroethane	30.0	29.6	-1.3	30.00
Indeno(1,2,3-cd)pyrene	30.0	33.0	9.9	30.00
Isophorone	30.0	30.8	2.6	30.00
Naphthalene	30.0	31.2	4.1	30.00
Nitrobenzene	30.0	31.3	4.3	30.00
N-Nitrosodimethylamine	30.0	27.4	-8.5	30.00
N-nitroso-di-n-propylamine	30.0	27.3	-8.9	30.00
N-Nitrosodiphenylamine	30.0	30.6	1.8	30.00
Pentachlorophenol	30.0	32.2	7.3	30.00
Phenanthrene	30.0	28.4	-5.4	30.00
Phenol	30.0	28.0	-6.7	30.00
Pyrene	30.0	34.6	15.3	30.00
Pyridine	30.0	27.8	-7.3	30.00

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50050
Laboratory ID: S5H2508-SCV2
Sequence: S5H2508
Standard ID: S24K021

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
1,2,4,5-Tetrachlorobenzene	30.0	29.8	-0.5	30.00
3,3-Dichlorobenzidine	30.0	29.9	-0.4	30.00
Acetophenone	30.0	28.5	-5.1	30.00
Atrazine	30.0	31.5	5.0	30.00
Benzaldehyde	30.0	25.3	-15.6	30.00
Benzidine samples ND so no qual	30.0	41.1	37.1 *	30.00
Benzoic acid	30.0	32.5	8.2	30.00
Caprolactam	30.0	30.2	0.7	30.00
Pentachloronitrobenzene	30.0	28.9	-3.6	30.00
Parathion	30.0	29.6	-1.3	30.00

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50055
Laboratory ID: S5H2714-SCV1
Sequence: S5H2714 samples 5,6,and 10 analyzed with this SCV
Standard ID: S25D064

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
1,2,4-Trichlorobenzene	30.0	27.1	-9.7	30.00
1,2-Dichlorobenzene	30.0	26.0	-13.2	30.00
1,2-Diphenylhydrazine (as Azobenzene)	30.0	26.0	-13.4	30.00
1,3-Dichlorobenzene	30.0	26.3	-12.3	30.00
1,4-Dichlorobenzene	30.0	26.2	-12.5	30.00
1-Methylnaphthalene	30.0	26.2	-12.6	30.00
2,3,4,6-Tetrachlorophenol	30.0	29.5	-1.7	30.00
2,4,5-Trichlorophenol	30.0	24.0	-20.1	30.00
2,4,6-Trichlorophenol	30.0	25.7	-14.2	30.00
2,4-Dichlorophenol	30.0	28.6	-4.7	30.00
2,4-Dimethylphenol	30.0	30.8	2.7	30.00
2,4-Dinitrophenol samples ND so no qual	30.0	43.0	43.3 *	30.00
2,4-Dinitrotoluene	30.0	27.6	-8.0	30.00
2,6-Dinitrotoluene	30.0	26.3	-12.5	30.00
2-Chloronaphthalene	30.0	24.7	-17.8	30.00
2-Chlorophenol	30.0	27.9	-7.1	30.00
2-Methylnaphthalene	30.0	25.0	-16.7	30.00
2-Methylphenol	30.0	29.1	-2.9	30.00
2-Nitroaniline	30.0	27.2	-9.2	30.00
2-Nitrophenol	30.0	30.2	0.7	30.00
3- & 4-Methylphenols samples ND so no qual	30.0	55.3	84.2 *	30.00
3-Nitroaniline	30.0	27.8	-7.2	30.00
4,6-Dinitro-2-methylphenol	30.0	30.4	1.2	30.00
4-Bromophenyl phenyl ether	30.0	25.0	-16.7	30.00
4-Chloro-3-methylphenol	30.0	28.3	-5.5	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50055
Laboratory ID: S5H2714-SCV1
Sequence: S5H2714
Standard ID: S25D064

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
4-Chloroaniline	30.0	29.2	-2.8	30.00
4-Chlorophenyl phenyl ether	30.0	24.2	-19.2	30.00
4-Nitroaniline	30.0	30.0	0.1	30.00
4-Nitrophenol	30.0	25.2	-15.8	30.00
Acenaphthene	30.0	24.5	-18.2	30.00
Acenaphthylene	30.0	24.8	-17.4	30.00
Aniline	30.0	32.5	8.5	30.00
Anthracene	30.0	24.8	-17.5	30.00
Benzo(a)anthracene	30.0	26.1	-12.9	30.00
Benzo(a)pyrene	30.0	25.5	-15.1	30.00
Benzo(b)fluoranthene	30.0	27.0	-10.2	30.00
Benzo(g,h,i)perylene	30.0	27.9	-6.9	30.00
Benzo(k)fluoranthene	30.0	23.8	-20.8	30.00
Benzyl alcohol	30.0	28.4	-5.2	30.00
Benzyl butyl phthalate	30.0	25.0	-16.5	30.00
Bis(2-chloroethoxy)methane	30.0	28.1	-6.2	30.00
Bis(2-chloroethyl)ether	30.0	25.9	-13.7	30.00
Bis(2-chloroisopropyl)ether	30.0	26.9	-10.4	30.00
Bis(2-ethylhexyl)phthalate	30.0	24.9	-17.0	30.00
Carbazole	30.0	25.4	-15.4	30.00
Chrysene	30.0	24.6	-17.9	30.00
Cresols, total NTA	60.0	0.00		30.00
Dibenzo(a,h)anthracene	30.0	26.0	-13.5	30.00
Dibenzofuran	30.0	25.2	-15.9	30.00
Diethyl phthalate	30.0	24.8	-17.2	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50055
Laboratory ID: S5H2714-SCV1
Sequence: S5H2714
Standard ID: S25D064

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
Dimethyl phthalate	30.0	25.0	-16.6	30.00
Di-n-butyl phthalate	30.0	24.8	-17.5	30.00
Di-n-octyl phthalate	30.0	24.6	-18.0	30.00
Diphenylamine	30.0	29.3	-2.4	30.00
Fluoranthene	30.0	24.7	-17.7	30.00
Fluorene	30.0	25.2	-16.0	30.00
Hexachlorobenzene	30.0	24.6	-17.9	30.00
Hexachlorobutadiene	30.0	27.4	-8.6	30.00
Hexachlorocyclopentadiene	30.0	24.5	-18.3	30.00
Hexachloroethane	30.0	27.7	-7.8	30.00
Indeno(1,2,3-cd)pyrene	30.0	26.4	-12.0	30.00
Isophorone	30.0	29.1	-3.1	30.00
Naphthalene	30.0	28.5	-4.9	30.00
Nitrobenzene	30.0	26.5	-11.7	30.00
N-Nitrosodimethylamine	30.0	28.6	-4.6	30.00
N-nitroso-di-n-propylamine	30.0	28.1	-6.2	30.00
N-Nitrosodiphenylamine	30.0	29.0	-3.4	30.00
Pentachlorophenol	30.0	28.3	-5.8	30.00
Phenanthrene	30.0	24.8	-17.5	30.00
Phenol	30.0	28.6	-4.7	30.00
Pyrene	30.0	25.2	-16.0	30.00
Pyridine	30.0	27.7	-7.8	30.00

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50055
Laboratory ID: S5H2714-SCV2
Sequence: S5H2714
Standard ID: S24K021

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
1,2,4,5-Tetrachlorobenzene	30.0	29.8	-0.8	30.00
3,3-Dichlorobenzidine	30.0	27.6	-7.9	30.00
Acetophenone	30.0	26.9	-10.2	30.00
Atrazine	30.0	30.5	1.6	30.00
Benzaldehyde	30.0	29.4	-2.0	30.00
Benzidine	30.0	30.3	1.0	30.00
Benzoic acid	30.0	31.8	6.1	30.00
Caprolactam	30.0	31.7	5.6	30.00
Pentachloronitrobenzene	30.0	29.2	-2.5	30.00
Parathion	30.0	27.9	-7.0	30.00

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford

SDG: 25H1735

Client: Terracon Consultants, Inc.

Project: HPN HVAC J4257006, 10.2

Calibration: SH50067

Laboratory ID: S5H2937-SCV1

Sequence: S5H2937 samples 7 analyzed with this SCV

Standard ID: S25D064

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
1,2,4-Trichlorobenzene	30.0	26.9	-10.3	30.00
1,2-Dichlorobenzene	30.0	25.3	-15.5	30.00
1,2-Diphenylhydrazine (as Azobenzene)	30.0	24.0	-20.1	30.00
1,3-Dichlorobenzene	30.0	25.5	-15.1	30.00
1,4-Dichlorobenzene	30.0	25.5	-15.0	30.00
1-Methylnaphthalene	30.0	25.5	-15.1	30.00
2,3,4,6-Tetrachlorophenol	30.0	29.4	-2.0	30.00
2,4,5-Trichlorophenol	30.0	25.5	-14.9	30.00
2,4,6-Trichlorophenol	30.0	26.8	-10.7	30.00
2,4-Dichlorophenol	30.0	27.7	-7.6	30.00
2,4-Dimethylphenol	30.0	31.0	3.3	30.00
2,4-Dinitrophenol	30.0	32.2	7.4	30.00
2,4-Dinitrotoluene	30.0	28.0	-6.8	30.00
2,6-Dinitrotoluene	30.0	28.2	-5.9	30.00
2-Chloronaphthalene	30.0	26.0	-13.3	30.00
2-Chlorophenol	30.0	26.2	-12.5	30.00
2-Methylnaphthalene	30.0	24.2	-19.3	30.00
2-Methylphenol	30.0	26.7	-11.1	30.00
2-Nitroaniline	30.0	27.8	-7.3	30.00
2-Nitrophenol	30.0	28.8	-3.9	30.00
3- & 4-Methylphenols	30.0	23.3	-22.2	30.00
3-Nitroaniline	30.0	27.6	-8.0	30.00
4,6-Dinitro-2-methylphenol	30.0	31.4	4.7	30.00
4-Bromophenyl phenyl ether	30.0	24.3	-18.9	30.00
4-Chloro-3-methylphenol	30.0	27.3	-9.0	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50067
Laboratory ID: S5H2937-SCV1
Sequence: S5H2937
Standard ID: S25D064

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
4-Chloroaniline	30.0	27.8	-7.3	30.00
4-Chlorophenyl phenyl ether	30.0	24.8	-17.2	30.00
4-Nitroaniline	30.0	27.3	-9.0	30.00
4-Nitrophenol	30.0	27.0	-10.1	30.00
Acenaphthene	30.0	24.4	-18.8	30.00
Acenaphthylene	30.0	25.8	-13.9	30.00
Aniline	30.0	29.8	-0.7	30.00
Anthracene	30.0	24.7	-17.6	30.00
Benzo(a)anthracene	30.0	25.2	-16.2	30.00
Benzo(a)pyrene	30.0	26.7	-11.1	30.00
Benzo(b)fluoranthene	30.0	26.3	-12.4	30.00
Benzo(g,h,i)perylene	30.0	26.8	-10.6	30.00
Benzo(k)fluoranthene	30.0	26.8	-10.8	30.00
Benzyl alcohol	30.0	26.5	-11.6	30.00
Benzyl butyl phthalate	30.0	25.0	-16.8	30.00
Bis(2-chloroethoxy)methane	30.0	26.7	-10.9	30.00
Bis(2-chloroethyl)ether	30.0	25.3	-15.6	30.00
Bis(2-chloroisopropyl)ether	30.0	25.5	-15.0	30.00
Bis(2-ethylhexyl)phthalate	30.0	25.5	-14.9	30.00
Carbazole	30.0	24.5	-18.5	30.00
Chrysene	30.0	24.8	-17.4	30.00
Cresols, total	60.0	50.0	-16.6	30.00
Dibenzo(a,h)anthracene	30.0	25.1	-16.5	30.00
Dibenzofuran	30.0	25.4	-15.3	30.00
Diethyl phthalate	30.0	25.0	-16.5	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50067
Laboratory ID: S5H2937-SCV1
Sequence: S5H2937
Standard ID: S25D064

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
Dimethyl phthalate	30.0	25.4	-15.3	30.00
Di-n-butyl phthalate	30.0	24.1	-19.6	30.00
Di-n-octyl phthalate	30.0	25.4	-15.5	30.00
Diphenylamine	30.0	28.7	-4.3	30.00
Fluoranthene	30.0	23.8	-20.8	30.00
Fluorene	30.0	25.7	-14.4	30.00
Hexachlorobenzene	30.0	24.2	-19.2	30.00
Hexachlorobutadiene	30.0	26.4	-12.2	30.00
Hexachlorocyclopentadiene	30.0	30.1	0.3	30.00
Hexachloroethane	30.0	25.9	-13.8	30.00
Indeno(1,2,3-cd)pyrene	30.0	30.3	1.0	30.00
Isophorone	30.0	26.6	-11.4	30.00
Naphthalene	30.0	26.5	-11.6	30.00
Nitrobenzene	30.0	25.8	-14.1	30.00
N-Nitrosodimethylamine	30.0	26.0	-13.3	30.00
N-nitroso-di-n-propylamine	30.0	24.5	-18.5	30.00
N-Nitrosodiphenylamine	30.0	29.0	-3.5	30.00
Pentachlorophenol	30.0	28.5	-5.0	30.00
Phenanthrene	30.0	24.2	-19.4	30.00
Phenol	30.0	26.2	-12.7	30.00
Pyrene	30.0	24.4	-18.8	30.00
Pyridine	30.0	29.0	-3.2	30.00

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50067
Laboratory ID: S5H2937-SCV2
Sequence: S5H2937
Standard ID: S24K021

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DIFF	QC LIMIT
1,2,4,5-Tetrachlorobenzene	30.0	26.8	-10.5	30.00
3,3-Dichlorobenzidine	30.0	27.2	-9.3	30.00
Acetophenone	30.0	26.0	-13.3	30.00
Atrazine	30.0	28.8	-4.0	30.00
Benzaldehyde	30.0	23.9	-20.3	30.00
Benzidine samples ND so no qual	30.0	49.6	65.5 *	30.00
Benzoic acid	30.0	27.4	-8.5	30.00
Caprolactam	30.0	34.0	13.2	30.00
Pentachloronitrobenzene	30.0	25.8	-13.9	30.00
Parathion	30.0	29.2	-2.8	30.00

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA#2	Calibration:	SH50050
Lab File ID:	E20027351.D	Calibration Date:	08/24/25 00:17
Sequence:	S5H2722	Injection Date:	08/27/25
Lab Sample ID:	S5H2722-CCV1	Injection Time:	08:52

CCV for MB and LCS only

so no eval ✓

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1-Biphenyl	A	30.0	26.1	0.7428256	0.6462743	0.01	-13.0	20	
1,2,4,5-Tetrachlorobenzene	A	30.0	27.5	0.6137701	0.5628773	0.01	-8.3	20	
1,2,4-Trichlorobenzene	A	30.0	27.5	0.3657217	0.3347178		-8.5	20	
1,2-Dichlorobenzene	A	30.0	27.6	1.553192	1.430652		-7.9	20	
1,2-Diphenylhydrazine (as Azobenzene)	A	30.0	26.0	0.8912598	0.7737678		-13.2	20	
1,3-Dichlorobenzene	A	30.0	27.1	1.642206	1.483754		-9.6	20	
1,4-Dichlorobenzene	A	30.0	27.8	1.662957	1.538796		-7.5	20	
1-Methylnaphthalene	A	30.0	27.1	0.8110952	0.7320856		-9.7	20	
2,3,4,6-Tetrachlorophenol	A	30.0	32.7	0.1597489	0.173892	0.01	8.9	20	
2,4,5-Trichlorophenol	A	30.0	30.3	0.4134871	0.4175115	0.2	1.0	20	
2,4,6-Trichlorophenol	A	30.0	29.0	0.3748823	0.3627836	0.2	-3.2	20	
2,4-Dichlorophenol	A	30.0	28.5	0.3036611	0.2881733	0.2	-5.1	20	
2,4-Dimethylphenol	A	30.0	27.5	0.3038028	0.2782997	0.2	-8.4	20	
2,4-Dinitrophenol	A	30.0	29.0	0.0806952	0.1050393	0.01	30.2	20 *	
2,4-Dinitrotoluene	A	30.0	34.1	0.3434813	0.390149	0.2	13.6	20	
2,6-Dinitrotoluene	A	30.0	33.3	0.2631881	0.2920887	0.2	11.0	20	
2-Chloronaphthalene	A	30.0	26.7	1.182689	1.053521	0.8	-10.9	20	
2-Chlorophenol	A	30.0	25.8	1.402551	1.207662	0.8	-13.9	20	
2-Methylnaphthalene	A	30.0	27.6	0.8055187	0.7400036	0.4	-8.1	20	
2-Methylphenol	A	30.0	27.2	1.717274	1.556641	0.7	-9.4	20	
2-Nitroaniline	A	30.0	30.9	0.3355797	0.3455399	0.01	3.0	20	
2-Nitrophenol	A	30.0	31.2	0.1651384	0.1718568	0.1	4.1	20	
3- & 4-Methylphenols	A	30.0	27.2	1.717274	1.556641	0.6	-9.4	20	
3,3-Dichlorobenzidine	A	30.0	39.0	0.4752658	0.6181588	0.01	30.1	20 *	
3-Nitroaniline	A	30.0	31.3	0.3005634	0.3138978	0.01	4.4	20	
4,6-Dinitro-2-methylphenol	A	30.0	29.5	8.312843E-02	9.701017E-02	0.01	16.7	20	
4-Bromophenyl phenyl ether	A	30.0	27.5	0.2487398	0.2282069	0.1	-8.3	20	
4-Chloro-3-methylphenol	A	30.0	30.0	0.3314725	0.3317784	0.2	0.09	20	
4-Chloroaniline	A	30.0	27.4	0.4432082	0.4041284	0.01	-8.8	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA#2	Calibration:	SH50050
Lab File ID:	E20027351.D	Calibration Date:	08/24/25 00:17
Sequence:	S5H2722	Injection Date:	08/27/25
Lab Sample ID:	S5H2722-CCV1	Injection Time:	08:52

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
4-Chlorophenyl phenyl ether	A	30.0	28.7	0.8081237	0.7733488	0.4	-4.3	20	
4-Nitroaniline	A	30.0	30.2	0.3204284	0.3227607	0.01	0.7	20	
4-Nitrophenol	A	30.0	26.8	0.2781643	0.2487206	0.01	-10.6	20	
Acenaphthene	A	30.0	26.6	1.217831	1.077753	0.9	-11.5	20	
Acenaphthylene	A	30.0	27.4	1.950515	1.782172	0.9	-8.6	20	
Acetophenone	A	30.0	28.7	1.980668	1.896839	0.01	-4.2	20	
Alpha Terpineol	A	30.0	27.4	0.2106138	0.1921795		-8.8	20	
Aniline	A	30.0	26.4	1.683489	1.48279		-11.9	20	
Anthracene	A	30.0	26.2	1.211736	1.056504	0.7	-12.8	20	
Atrazine	A	30.0	28.9	0.2555834	0.2460596	0.01	-3.7	20	
Benzaldehyde	A	30.0	25.3	1.010883	0.8514953	0.01	-15.8	20	
Benzidine	A	30.0	33.0	0.595983	0.6558902		10.1	20	
Benzo(a)anthracene	A	30.0	29.6	1.413636	1.392313	0.8	-1.5	20	
Benzo(a)pyrene	A	30.0	21.2	1.421073	1.004447	0.7	-29.3	20 *	
Benzo(b)fluoranthene	A	30.0	22.3	1.465227	1.088535	0.7	-25.7	20 *	
Benzo(g,h,i)perylene	A	30.0	27.4	1.182882	1.082407	0.5	-8.5	20	
Benzo(k)fluoranthene	A	30.0	21.1	1.452721	1.020571	0.7	-29.7	20 *	
Benzoic acid	A	30.0	21.0	0.1408633	0.1203275		-14.6	20	
Benzyl alcohol	A	30.0	27.8	0.8404387	0.7791926		-7.3	20	
Benzyl butyl phthalate	A	30.0	34.7	0.5722325	0.6623026		15.7	20	
Bis(2-chloroethoxy)methane	A	30.0	25.7	0.3608632	0.3095411	0.3	-14.2	20	
Bis(2-chloroethyl)ether	A	30.0	23.8	1.170226	0.9297023	0.7	-20.6	20 *	
Bis(2-chloroisopropyl)ether	A	30.0	26.9	0.5748273	0.5148115	0.01	-10.4	20	
Bis(2-ethylhexyl)phthalate	A	30.0	28.4	0.7822164	0.7414628		-5.2	20	
Caprolactam	A	30.0	28.5	0.1179593	0.1119053	0.01	-5.1	20	
Carbazole	A	30.0	26.2	1.159135	1.013881	0.01	-12.5	20	
Chrysene	A	30.0	27.2	1.299983	1.178787	0.7	-9.3	20	
Dibenzo(a,h)anthracene	A	30.0	29.2	1.260994	1.229042	0.4	-2.5	20	
Dibenzofuran	A	30.0	28.4	1.762004	1.665382	0.8	-5.5	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA#2	Calibration:	SH50050
Lab File ID:	E20027351.D	Calibration Date:	08/24/25 00:17
Sequence:	S5H2722	Injection Date:	08/27/25
Lab Sample ID:	S5H2722-CCV1	Injection Time:	08:52

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Diethyl phthalate	A	30.0	30.2	1.548876	1.557215	0.01	0.5	20	
Dimethyl phthalate	A	30.0	29.1	1.520105	1.476559	0.01	-2.9	20	
Di-n-butyl phthalate	A	30.0	27.6	1.379409	1.269589	0.01	-8.0	20	
Di-n-octyl phthalate	A	30.0	26.4	1.457014	1.284649	0.01	-11.8	20	
Diphenylamine	A	30.0	26.6	0.6106312	0.5423221		-11.2	20	
Fluoranthene	A	30.0	27.2	1.553638	1.407783	0.6	-9.4	20	
Fluorene	A	30.0	27.9	1.532951	1.426075	0.9	-7.0	20	
Hexachlorobenzene	A	30.0	28.2	0.120151	0.1129474	0.1	-6.0	20	
Hexachlorobutadiene	A	30.0	28.5	0.2275178	0.216205	0.01	-5.0	20	
Hexachlorocyclopentadiene	A	30.0	18.9	0.3600469	0.2269384	0.05	-37.0	20 *	
Hexachloroethane	A	30.0	27.1	0.6730972	0.6073498	0.3	-9.8	20	
Indeno(1,2,3-cd)pyrene	A	30.0	28.8	1.585137	1.519834	0.5	-4.1	20	
Isophorone	A	30.0	27.6	0.7247933	0.6668657	0.4	-8.0	20	
Naphthalene	A	30.0	26.4	1.086243	0.957613	0.7	-11.8	20	
Nitrobenzene	A	30.0	27.5	0.4079569	0.3742486	0.2	-8.3	20	
N-Nitrosodimethylamine	A	30.0	21.8	0.7386134	0.5370122		-27.3	20 *	
N-nitroso-di-n-propylamine	A	30.0	27.8	1.236476	1.143999	0.5	-7.5	20	
N-Nitrosodiphenylamine	A	30.0	26.1	0.2563109	0.2227565	0.01	-13.1	20	
Parathion	A	30.0	31.0	0.1076465	0.1315933		22.2	20 *	
Pentachloronitrobenzene	A	30.0	32.5	0.1058217	0.1145396		8.2	20	
Pentachlorophenol	A	30.0	26.8	0.1111411	0.1129474	0.05	1.6	20	
Phenanthrene	A	30.0	27.2	1.201118	1.08889	0.7	-9.3	20	
Phenol	A	30.0	26.0	1.472143	1.278363	0.8	-13.2	20	
Pyrene	A	30.0	35.9	1.307959	1.565144	0.6	19.7	20	
Pyridine	A	30.0	23.1	1.140547	0.8765817		-23.1	20 *	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Instrument ID: BNA #4

Lab File ID: SV4423784a.D sample 10

Sequence: S5H2832

Lab Sample ID: S5H2832-CCV1

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Calibration: SH50055

Calibration Date: 08/26/25 08:00

Injection Date: 08/27/25

Injection Time: 18:39

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1-Biphenyl	A	30.0	29.6	0.5849097	0.5766302	0.01	-1.4	20	
1,2,4,5-Tetrachlorobenzene	A	30.0	29.0	0.5528079	0.533587	0.01	-3.5	20	
1,2,4-Trichlorobenzene	A	30.0	28.3	0.3372859	0.3177075		-5.8	20	
1,2-Dichlorobenzene	A	30.0	28.5	1.57934	1.501367		-4.9	20	
1,2-Diphenylhydrazine (as Azobenzene)	A	30.0	30.2	0.762806	0.7666456		0.5	20	
1,3-Dichlorobenzene	A	30.0	28.4	1.559677	1.477355		-5.3	20	
1,4-Dichlorobenzene	A	30.0	28.6	1.67781	1.602111		-4.5	20	
2,3,4,6-Tetrachlorophenol	A	30.0	30.0	0.1517597	0.1515295	0.01	-0.2	20	
2,4,5-Trichlorophenol	A	30.0	28.5	0.417732	0.3969479	0.2	-5.0	20	
2,4,6-Trichlorophenol	A	30.0	29.5	0.3548106	0.349405	0.2	-1.5	20	
2,4-Dichlorophenol	A	30.0	28.2	0.2934897	0.2761832	0.2	-5.9	20	
2,4-Dimethylphenol	A	30.0	29.7	0.2784688	0.2756407	0.2	-1.0	20	
2,4-Dinitrophenol sample ND	A	30.0	90.0	9.013492E-03	2.703755E-02	0.01	200	20 *	
2,4-Dinitrotoluene	A	30.0	31.2	0.4192628	0.4366546	0.2	4.1	20	
2,6-Dinitrotoluene	A	30.0	30.7	0.3049834	0.311711	0.2	2.2	20	
2-Chloronaphthalene	A	30.0	29.3	1.108758	1.082643	0.8	-2.4	20	
2-Chlorophenol	A	30.0	29.2	1.336341	1.302664	0.8	-2.5	20	
2-Methylnaphthalene	A	30.0	28.8	0.7552264	0.725799	0.4	-3.9	20	
2-Methylphenol	A	30.0	31.2	1.060886	1.104548	0.7	4.1	20	
2-Nitroaniline	A	30.0	31.0	0.348959	0.359958	0.01	3.2	20	
2-Nitrophenol	A	30.0	30.9	0.1576091	0.1622744	0.1	3.0	20	
3- & 4-Methylphenols UJ:CV-	A	30.0	33.6	2.607143	1.733169	0.6	-33.5	20 *	
3,3-Dichlorobenzidine sample ND	A	30.0	37.3	0.4652633	0.5778483	0.01	24.2	20 *	
3-Nitroaniline	A	30.0	31.4	0.3166363	0.3319235	0.01	4.8	20	
4,6-Dinitro-2-methylphenol	A	30.0	33.1	1.508259E-02	2.928502E-02	0.01	10.5	20	
4-Bromophenyl phenyl ether	A	30.0	28.7	0.2561176	0.2448312	0.1	-4.4	20	
4-Chloro-3-methylphenol	A	30.0	28.8	0.3630471	0.3485867	0.2	-4.0	20	
4-Chloroaniline	A	30.0	30.6	0.3748858	0.382766	0.01	2.1	20	
4-Chlorophenyl phenyl ether	A	30.0	29.8	0.7745267	0.7693019	0.4	-0.7	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA #4	Calibration:	SH50055
Lab File ID:	SV4423784a.D	Calibration Date:	08/26/25 08:00
Sequence:	S5H2832	Injection Date:	08/27/25
Lab Sample ID:	S5H2832-CCV1	Injection Time:	18:39

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
4-Nitroaniline	A	30.0	33.6	0.3069215	0.3436116	0.01	12.0	20	
4-Nitrophenol	A	30.0	31.2	0.2591502	0.2699117	0.01	4.2	20	
Acenaphthene	A	30.0	29.3	1.19764	1.17007	0.9	-2.3	20	
Acenaphthylene	A	30.0	29.4	1.865269	1.828109	0.9	-2.0	20	
Acetophenone	A	30.0	31.0	1.934179	1.998042	0.01	3.3	20	
Aniline	A	30.0	31.7	1.580003	1.669493		5.7	20	
Anthracene	A	30.0	29.2	1.227101	1.196051	0.7	-2.5	20	
Atrazine	A	30.0	27.9	0.232334	0.2159869	0.01	-7.0	20	
Benzaldehyde	A	30.0	29.3	0.9177215	0.8970637	0.01	-2.3	20	
Benzidine sample ND	A	30.0	47.9	0.5738055	0.9169555		59.8	20 *	
Benzo(a)anthracene	A	30.0	29.4	1.302767	1.274718	0.8	-2.2	20	
Benzo(a)pyrene	A	30.0	29.9	1.04286	1.038446	0.7	-0.4	20	
Benzo(b)fluoranthene	A	30.0	29.9	1.046907	1.042652	0.7	-0.4	20	
Benzo(g,h,i)perylene	A	30.0	29.4	0.6961343	0.6815867	0.5	-2.1	20	
Benzo(k)fluoranthene	A	30.0	29.8	1.187529	1.179088	0.7	-0.7	20	
Benzoic acid	Q	30.0	33.7	0.1019725	0.1366405		12.5	20	
Benzyl alcohol	A	30.0	32.9	0.7987498	0.8749063		9.5	20	
Benzyl butyl phthalate	A	30.0	30.0	0.5747605	0.5757522		0.2	20	
Bis(2-chloroethoxy)methane	A	30.0	29.8	0.3266846	0.3242223	0.3	-0.8	20	
Bis(2-chloroethyl)ether	A	30.0	29.2	1.227117	1.195545	0.7	-2.6	20	
Bis(2-chloroisopropyl)ether	A	30.0	30.3	0.8548758	0.8645519	0.01	1.1	20	
Bis(2-ethylhexyl)phthalate	A	30.0	29.4	0.7983459	0.7817812		-2.1	20	
Caprolactam	A	30.0	28.2	0.1158326	0.1087242	0.01	-6.1	20	
Carbazole	A	30.0	29.8	1.091117	1.083707	0.01	-0.7	20	
Chrysene	A	30.0	28.4	1.25269	1.184255	0.7	-5.5	20	
Dibenzo(a,h)anthracene	A	30.0	29.8	0.8893377	0.8833173	0.4	-0.7	20	
Dibenzofuran	A	30.0	29.4	1.752524	1.716448	0.8	-2.1	20	
Diethyl phthalate	A	30.0	30.1	1.442964	1.448529	0.01	0.4	20	
Dimethyl phthalate	A	30.0	29.5	1.381405	1.358859	0.01	-1.6	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA #4	Calibration:	SH50055
Lab File ID:	SV4423784a.D	Calibration Date:	08/26/25 08:00
Sequence:	S5H2832	Injection Date:	08/27/25
Lab Sample ID:	S5H2832-CCV1	Injection Time:	18:39

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Di-n-butyl phthalate	A	30.0	29.8	1.331279	1.321208	0.01	-0.8	20	
Di-n-octyl phthalate	A	30.0	29.7	1.371691	1.357927	0.01	-1.0	20	
Diphenylamine	A	30.0	29.5	0.5558048	0.5460761		-1.8	20	
Fluoranthene	A	30.0	29.2	1.463279	1.422072	0.6	-2.8	20	
Fluorene	A	30.0	30.2	1.519081	1.528817	0.9	0.6	20	
Hexachlorobenzene	A	30.0	27.7	0.1026793	9.486098E-02	0.1	-7.6	20	
Hexachlorobutadiene	A	30.0	27.2	0.2223087	0.2012241	0.01	-9.5	20	
Hexachlorocyclopentadiene UJ:CV-	A	30.0	22.2	8.566129E-03	5.821523E-03	0.05	-26.0	20 *	
Hexachloroethane	A	30.0	28.6	0.559474	0.5336746	0.3	-4.6	20	
Indeno(1,2,3-cd)pyrene	A	30.0	28.9	1.049754	1.012527	0.5	-3.5	20	
Isophorone	A	30.0	29.5	0.6484011	0.6370296	0.4	-1.8	20	
Naphthalene	A	30.0	28.4	1.01712	0.9643733	0.7	-5.2	20	
Nitrobenzene	A	30.0	28.2	0.388243	0.3654075	0.2	-5.9	20	
N-Nitrosodimethylamine	A	30.0	30.7	0.6635301	0.6791482		2.4	20	
N-nitroso-di-n-propylamine	A	30.0	33.4	1.140735	1.26895	0.5	11.2	20	
N-Nitrosodiphenylamine	A	30.0	29.8	0.1909353	0.1897431	0.01	-0.6	20	
Pentachlorophenol	Q	30.0	32.5	7.869126E-02	0.1007468	0.05	8.3	20	
Phenanthrene	A	30.0	29.3	1.160745	1.135215	0.7	-2.2	20	
Phenol	A	30.0	30.3	1.708948	1.728396	0.8	1.1	20	
Pyrene	A	30.0	29.4	1.30772	1.282593	0.6	-1.9	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA #4 sample 5 and 6 evaluated with this CCV	Calibration:	SH50055
Lab File ID:	SV4423825.D	Calibration Date:	08/26/25 08:00
Sequence:	S5H2904	Injection Date:	08/28/25
Lab Sample ID:	S5H2904-CCV1	Injection Time:	21:21

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1-Biphenyl	A	30.0	30.6	0.5849097	0.5964561	0.01	2.0	20	
1,2,4,5-Tetrachlorobenzene	A	30.0	29.2	0.5528079	0.5388966	0.01	-2.5	20	
1,2,4-Trichlorobenzene	A	30.0	26.6	0.3372859	0.2988573		-11.4	20	
1,2-Dichlorobenzene	A	30.0	27.6	1.57934	1.453122		-8.0	20	
1,2-Diphenylhydrazine (as Azobenzene)	A	30.0	32.2	0.762806	0.8192022		7.4	20	
1,3-Dichlorobenzene	A	30.0	27.9	1.559677	1.450086		-7.0	20	
1,4-Dichlorobenzene	A	30.0	28.9	1.67781	1.618617		-3.5	20	
2,3,4,6-Tetrachlorophenol	A	30.0	28.6	0.1517597	0.1447533	0.01	-4.6	20	
2,4,5-Trichlorophenol	A	30.0	29.0	0.417732	0.4030548	0.2	-3.5	20	
2,4,6-Trichlorophenol	A	30.0	29.5	0.3548106	0.3486391	0.2	-1.7	20	
2,4-Dichlorophenol	A	30.0	27.7	0.2934897	0.2710496	0.2	-7.6	20	
2,4-Dimethylphenol	A	30.0	30.3	0.2784688	0.2816334	0.2	1.1	20	
2,4-Dinitrophenol samples ND	A	30.0	387	9.013492E-03	0.1163576	0.01	1190	20 *	
2,4-Dinitrotoluene	A	30.0	32.8	0.4192628	0.4576885	0.2	9.2	20	
2,6-Dinitrotoluene	A	30.0	33.1	0.3049834	0.3367818	0.2	10.4	20	
2-Chloronaphthalene	A	30.0	29.7	1.108758	1.099063	0.8	-0.9	20	
2-Chlorophenol	A	30.0	29.4	1.336341	1.307951	0.8	-2.1	20	
2-Methylnaphthalene	A	30.0	27.9	0.7552264	0.7032824	0.4	-6.9	20	
2-Methylphenol	A	30.0	28.7	1.060886	1.015148	0.7	-4.3	20	
2-Nitroaniline	A	30.0	33.0	0.348959	0.3832249	0.01	9.8	20	
2-Nitrophenol	A	30.0	32.9	0.1576091	0.1729383	0.1	9.7	20	
3- & 4-Methylphenols UJ:CV-	A	30.0	32.2	2.607143	1.658094	0.6	-36.4	20 *	
3,3-Dichlorobenzidine samples ND	A	30.0	37.7	0.4652633	0.5842325	0.01	25.6	20 *	
3-Nitroaniline	A	30.0	32.1	0.3166363	0.3386733	0.01	7.0	20	
4,6-Dinitro-2-methylphenol samples ND	A	30.0	63.2	1.508259E-02	0.1106392	0.01	111	20 *	
4-Bromophenyl phenyl ether	A	30.0	29.2	0.2561176	0.2493269	0.1	-2.7	20	
4-Chloro-3-methylphenol	A	30.0	27.4	0.3630471	0.3309213	0.2	-8.8	20	
4-Chloroaniline	A	30.0	30.5	0.3748858	0.3815933	0.01	1.8	20	
4-Chlorophenyl phenyl ether	A	30.0	29.1	0.7745267	0.7517484	0.4	-2.9	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA #4	Calibration:	SH50055
Lab File ID:	SV4423825.D	Calibration Date:	08/26/25 08:00
Sequence:	S5H2904	Injection Date:	08/28/25
Lab Sample ID:	S5H2904-CCV1	Injection Time:	21:21

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
4-Nitroaniline	A	30.0	34.1	0.3069215	0.3484515	0.01	13.5	20	
4-Nitrophenol	A	30.0	29.8	0.2591502	0.2576497	0.01	-0.6	20	
Acenaphthene	A	30.0	29.1	1.19764	1.160283	0.9	-3.1	20	
Acenaphthylene	A	30.0	29.3	1.865269	1.82446	0.9	-2.2	20	
Acetophenone	A	30.0	30.3	1.934179	1.953932	0.01	1.0	20	
Aniline	A	30.0	31.9	1.580003	1.677808		6.2	20	
Anthracene	A	30.0	29.5	1.227101	1.205681	0.7	-1.7	20	
Atrazine	A	30.0	31.9	0.232334	0.2473942	0.01	6.5	20	
Benzaldehyde	A	30.0	28.4	0.9177215	0.8686788	0.01	-5.3	20	
Benzidine samples ND	A	30.0	39.7	0.5738055	0.7588605		32.3	20 *	
Benzo(a)anthracene	A	30.0	29.3	1.302767	1.273759	0.8	-2.2	20	
Benzo(a)pyrene	A	30.0	34.1	1.04286	1.186564	0.7	13.8	20	
Benzo(b)fluoranthene	A	30.0	34.0	1.046907	1.186604	0.7	13.3	20	
Benzo(g,h,i)perylene J+:CV+	A	30.0	38.3	0.6961343	0.8889692	0.5	27.7	20 *	
Benzo(k)fluoranthene	A	30.0	32.6	1.187529	1.289797	0.7	8.6	20	
Benzoic acid samples ND	Q	30.0	37.2	0.1019725	0.1569401		24.1	20 *	
Benzyl alcohol	A	30.0	33.3	0.7987498	0.8868661		11.0	20	
Benzyl butyl phthalate	A	30.0	28.7	0.5747605	0.550619		-4.2	20	
Bis(2-chloroethoxy)methane	A	30.0	30.7	0.3266846	0.3343586	0.3	2.3	20	
Bis(2-chloroethyl)ether	A	30.0	31.3	1.227117	1.279846	0.7	4.3	20	
Bis(2-chloroisopropyl)ether	A	30.0	31.2	0.8548758	0.8901204	0.01	4.1	20	
Bis(2-ethylhexyl)phthalate	A	30.0	28.8	0.7983459	0.7670329		-3.9	20	
Caprolactam	A	30.0	30.9	0.1158326	0.1192212	0.01	2.9	20	
Carbazole	A	30.0	30.6	1.091117	1.113244	0.01	2.0	20	
Chrysene	A	30.0	28.7	1.25269	1.199161	0.7	-4.3	20	
Dibenzo(a,h)anthracene J+:CV+	A	30.0	36.0	0.8893377	1.068237	0.4	20.1	20 *	
Dibenzofuran	A	30.0	29.9	1.752524	1.744734	0.8	-0.4	20	
Diethyl phthalate	A	30.0	31.2	1.442964	1.499827	0.01	3.9	20	
Dimethyl phthalate	A	30.0	30.9	1.381405	1.423413	0.01	3.0	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA #4	Calibration:	SH50055
Lab File ID:	SV4423825.D	Calibration Date:	08/26/25 08:00
Sequence:	S5H2904	Injection Date:	08/28/25
Lab Sample ID:	S5H2904-CCV1	Injection Time:	21:21

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Di-n-butyl phthalate	A	30.0	31.4	1.331279	1.393053	0.01	4.6	20	
Di-n-octyl phthalate	A	30.0	31.0	1.371691	1.419867	0.01	3.5	20	
Diphenylamine	A	30.0	30.9	0.5558048	0.5721399		2.9	20	
Fluoranthene	A	30.0	30.0	1.463279	1.463295	0.6	0.001	20	
Fluorene	A	30.0	28.9	1.519081	1.461624	0.9	-3.8	20	
Hexachlorobenzene	A	30.0	28.6	0.1026793	9.770297E-02	0.1	-4.8	20	
Hexachlorobutadiene	A	30.0	26.0	0.2223087	0.1924587	0.01	-13.4	20	
Hexachlorocyclopentadiene sample ND	A	30.0	37.8	8.566129E-03	2.416206E-02	0.05	25.9	20 *	
Hexachloroethane	A	30.0	30.4	0.559474	0.5675155	0.3	1.4	20	
Indeno(1,2,3-cd)pyrene	A	30.0	35.8	1.049754	1.252505	0.5	19.3	20	
Isophorone	A	30.0	31.2	0.6484011	0.673442	0.4	3.9	20	
Naphthalene	A	30.0	28.4	1.01712	0.9638947	0.7	-5.2	20	
Nitrobenzene	A	30.0	29.1	0.388243	0.3762106	0.2	-3.1	20	
N-Nitrosodimethylamine	A	30.0	32.0	0.6635301	0.7066113		6.5	20	
N-nitroso-di-n-propylamine	A	30.0	33.8	1.140735	1.28579	0.5	12.7	20	
N-Nitrosodiphenylamine	A	30.0	30.3	0.1909353	0.1929722	0.01	1.1	20	
Pentachlorophenol	Q	30.0	29.5	7.869126E-02	8.918227E-02	0.05	-1.8	20	
Phenanthrene	A	30.0	28.8	1.160745	1.114137	0.7	-4.0	20	
Phenol	A	30.0	30.4	1.708948	1.732042	0.8	1.4	20	
Pyrene	A	30.0	26.1	1.30772	1.136842	0.6	-13.1	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA#2	Calibration:	SH50050
Lab File ID:	E20027462.D	Calibration Date:	08/24/25 00:17
Sequence:	S5H3002 Sample 8 and 9 evaluated with this CCV	Injection Date:	08/29/25
Lab Sample ID:	S5H3002-CCV1	Injection Time:	21:01

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1-Biphenyl	A	30.0	27.0	0.7428256	0.6691296	0.01	-9.9	20	
1,2,4,5-Tetrachlorobenzene	A	30.0	26.9	0.6137701	0.5495144	0.01	-10.5	20	
1,2,4-Trichlorobenzene	A	30.0	26.9	0.3657217	0.3277924		-10.4	20	
1,2-Dichlorobenzene	A	30.0	28.1	1.553192	1.452772		-6.5	20	
1,2-Diphenylhydrazine (as Azobenzene) UJ:CV-	A	30.0	24.0	0.8912598	0.7122522		-20.1	20 *	
1,3-Dichlorobenzene	A	30.0	27.6	1.642206	1.512179		-7.9	20	
1,4-Dichlorobenzene	A	30.0	27.9	1.662957	1.545399		-7.1	20	
2,3,4,6-Tetrachlorophenol	A	30.0	31.3	0.1597489	0.1665392	0.01	4.3	20	
2,4,5-Trichlorophenol	A	30.0	30.3	0.4134871	0.4179101	0.2	1.1	20	
2,4,6-Trichlorophenol	A	30.0	29.0	0.3748823	0.3627999	0.2	-3.2	20	
2,4-Dichlorophenol	A	30.0	28.4	0.3036611	0.2876449	0.2	-5.3	20	
2,4-Dimethylphenol	A	30.0	27.5	0.3038028	0.2785022	0.2	-8.3	20	
2,4-Dinitrophenol samples ND	A	30.0	31.3	0.0806952	0.1172684	0.01	45.3	20 *	
2,4-Dinitrotoluene	A	30.0	40.0	0.3434813	0.4582428	0.2	33.4	20 *	
2,6-Dinitrotoluene	A	30.0	36.9	0.2631881	0.3240873	0.2	23.1	20 *	
2-Chloronaphthalene	A	30.0	26.9	1.182689	1.060634	0.8	-10.3	20	
2-Chlorophenol	A	30.0	27.0	1.402551	1.264707	0.8	-9.8	20	
2-Methylnaphthalene	A	30.0	28.0	0.8055187	0.7522872	0.4	-6.6	20	
2-Methylphenol	A	30.0	27.6	1.717274	1.582009	0.7	-7.9	20	
2-Nitroaniline	A	30.0	33.1	0.3355797	0.3699439	0.01	10.2	20	
2-Nitrophenol	A	30.0	32.6	0.1651384	0.1793079	0.1	8.6	20	
3- & 4-Methylphenols	A	30.0	27.6	1.717274	1.582009	0.6	-7.9	20	
3,3-Dichlorobenzidine samples ND	A	30.0	38.5	0.4752658	0.6105771	0.01	28.5	20 *	
3-Nitroaniline	A	30.0	33.6	0.3005634	0.3361647	0.01	11.8	20	
4,6-Dinitro-2-methylphenol samples ND	A	30.0	33.5	8.312843E-02	0.1138845	0.01	37.0	20 *	
4-Bromophenyl phenyl ether	A	30.0	27.1	0.2487398	0.2248407	0.1	-9.6	20	
4-Chloro-3-methylphenol	A	30.0	28.5	0.3314725	0.3149703	0.2	-5.0	20	
4-Chloroaniline	A	30.0	26.8	0.4432082	0.3959418	0.01	-10.7	20	
4-Chlorophenyl phenyl ether	A	30.0	28.9	0.8081237	0.7787518	0.4	-3.6	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA#2	Calibration:	SH50050
Lab File ID:	E20027462.D	Calibration Date:	08/24/25 00:17
Sequence:	S5H3002	Injection Date:	08/29/25
Lab Sample ID:	S5H3002-CCV1	Injection Time:	21:01

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
4-Nitroaniline	A	30.0	31.8	0.3204284	0.3395688	0.01	6.0	20	
4-Nitrophenol	A	30.0	24.6	0.2781643	0.228223	0.01	-18.0	20	
Acenaphthene	A	30.0	28.1	1.217831	1.140903	0.9	-6.3	20	
Acenaphthylene	A	30.0	28.4	1.950515	1.8447	0.9	-5.4	20	
Acetophenone	A	30.0	28.9	1.980668	1.906474	0.01	-3.7	20	
Aniline	A	30.0	26.7	1.683489	1.497558		-11.0	20	
Anthracene	A	30.0	26.4	1.211736	1.065082	0.7	-12.1	20	
Atrazine	A	30.0	28.1	0.2555834	0.2393539	0.01	-6.3	20	
Benzaldehyde	A	30.0	26.2	1.010883	0.8832202	0.01	-12.6	20	
Benzidine	A	30.0	31.5	0.595983	0.6250941		4.9	20	
Benzo(a)anthracene	A	30.0	29.5	1.413636	1.390693	0.8	-1.6	20	
Benzo(a)pyrene J-:CV-	A	30.0	22.1	1.421073	1.045508	0.7	-26.4	20 *	
Benzo(b)fluoranthene	A	30.0	24.7	1.465227	1.204281	0.7	-17.8	20	
Benzo(g,h,i)perylene J-:CV-	A	30.0	21.5	1.182882	0.8465492	0.5	-28.4	20 *	
Benzo(k)fluoranthene J-:CV-	A	30.0	22.0	1.452721	1.065639	0.7	-26.6	20 *	
Benzoic acid	A	30.0	29.0	0.1408633	0.1657708		17.7	20	
Benzyl alcohol	A	30.0	28.0	0.8404387	0.7843303		-6.7	20	
Benzyl butyl phthalate	A	30.0	31.3	0.5722325	0.5976243		4.4	20	
Bis(2-chloroethoxy)methane	A	30.0	25.6	0.3608632	0.3083037	0.3	-14.6	20	
Bis(2-chloroethyl)ether UJ:CV-	A	30.0	23.8	1.170226	0.9264669	0.7	-20.8	20 *	
Bis(2-chloroisopropyl)ether	A	30.0	26.2	0.5748273	0.5030058	0.01	-12.5	20	
Bis(2-ethylhexyl)phthalate	A	30.0	25.0	0.7822164	0.6530542		-16.5	20	
Caprolactam	A	30.0	30.8	0.1179593	0.1209813	0.01	2.6	20	
Carbazole	A	30.0	26.5	1.159135	1.022229	0.01	-11.8	20	
Chrysene	A	30.0	26.6	1.299983	1.15046	0.7	-11.5	20	
Dibenzo(a,h)anthracene J-:CV-	A	30.0	22.6	1.260994	0.9511777	0.4	-24.6	20 *	
Dibenzofuran	A	30.0	29.0	1.762004	1.701433	0.8	-3.4	20	
Diethyl phthalate	A	30.0	30.0	1.548876	1.548449	0.01	-0.03	20	
Dimethyl phthalate	A	30.0	29.5	1.520105	1.494863	0.01	-1.7	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA#2	Calibration:	SH50050
Lab File ID:	E20027462.D	Calibration Date:	08/24/25 00:17
Sequence:	S5H3002	Injection Date:	08/29/25
Lab Sample ID:	S5H3002-CCV1	Injection Time:	21:01

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Di-n-butyl phthalate	A	30.0	27.5	1.379409	1.264362	0.01	-8.3	20	
Di-n-octyl phthalate	A	30.0	25.0	1.457014	1.215084	0.01	-16.6	20	
Diphenylamine	A	30.0	27.3	0.6106312	0.5548576		-9.1	20	
Fluoranthene	A	30.0	27.7	1.553638	1.433069	0.6	-7.8	20	
Fluorene	A	30.0	29.1	1.532951	1.488101	0.9	-2.9	20	
Hexachlorobenzene	A	30.0	26.4	0.120151	0.1058387	0.1	-11.9	20	
Hexachlorobutadiene	A	30.0	26.3	0.2275178	0.19959	0.01	-12.3	20	
Hexachlorocyclopentadiene UJ:CV-	A	30.0	15.9	0.3600469	0.1907646	0.05	-47.0	20 *	
Hexachloroethane	A	30.0	27.3	0.6730972	0.6118311	0.3	-9.1	20	
Indeno(1,2,3-cd)pyrene J-:CV-	A	30.0	22.8	1.585137	1.206972	0.5	-23.9	20 *	
Isophorone	A	30.0	26.8	0.7247933	0.6466984	0.4	-10.8	20	
Naphthalene	A	30.0	26.2	1.086243	0.9467104	0.7	-12.8	20	
Nitrobenzene	A	30.0	26.5	0.4079569	0.3599777	0.2	-11.8	20	
N-Nitrosodimethylamine UJ:CV-	A	30.0	21.9	0.7386134	0.5389837		-27.0	20 *	
N-nitroso-di-n-propylamine	A	30.0	28.3	1.236476	1.167234	0.5	-5.6	20	
N-Nitrosodiphenylamine	A	30.0	26.1	0.2563109	0.2233471	0.01	-12.9	20	
Pentachlorophenol	A	30.0	23.8	0.1111411	9.954227E-02	0.05	-10.4	20	
Phenanthrene	A	30.0	27.2	1.201118	1.08696	0.7	-9.5	20	
Phenol	A	30.0	26.3	1.472143	1.290132	0.8	-12.4	20	
Pyrene	A	30.0	31.0	1.307959	1.351817	0.6	3.4	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA #1	Calibration:	SH50067
Lab File ID:	BNA1-035230.D	Calibration Date:	08/29/25 08:00
Sequence:	S5H3103 sample 7 evaluated with this CCV	Injection Date:	08/30/25
Lab Sample ID:	S5H3103-CCV1	Injection Time:	18:00

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1-Biphenyl	A	30.0	29.0	0.641628	0.6200955	0.01	-3.4	20	
1,2,4,5-Tetrachlorobenzene	A	30.0	29.6	0.5166667	0.5101299	0.01	-1.3	20	
1,2,4-Trichlorobenzene	A	30.0	28.2	0.3405784	0.3197842		-6.1	20	
1,2-Dichlorobenzene	A	30.0	28.0	1.620949	1.510228		-6.8	20	
1,2-Diphenylhydrazine (as Azobenzene)	A	30.0	26.0	1.112662	0.9623667		-13.5	20	
1,3-Dichlorobenzene	A	30.0	28.0	1.682563	1.572027		-6.6	20	
1,4-Dichlorobenzene	A	30.0	27.9	1.704429	1.584233		-7.1	20	
1-Methylnaphthalene	A	30.0	27.6	0.7309328	0.6730736		-7.9	20	
2,3,4,6-Tetrachlorophenol	A	30.0	25.6	0.1847024	0.1577542	0.01	-14.6	20	
2,4,5-Trichlorophenol	A	30.0	29.3	0.4083465	0.3991039	0.2	-2.3	20	
2,4,6-Trichlorophenol	A	30.0	29.2	0.3828206	0.3730923	0.2	-2.5	20	
2,4-Dichlorophenol	A	30.0	28.7	0.3198493	0.3061559	0.2	-4.3	20	
2,4-Dimethylphenol	A	30.0	29.2	0.3422774	0.3336518	0.2	-2.5	20	
2,4-Dinitrophenol sample ND	A	30.0	39.9	0.1285769	0.1710294	0.01	33.0	20 *	
2,4-Dinitrotoluene	A	30.0	30.1	0.4434178	0.4453603	0.2	0.4	20	
2,6-Dinitrotoluene	A	30.0	30.9	0.3130893	0.32263	0.2	3.0	20	
2-Chloronaphthalene	A	30.0	28.1	1.185953	1.111818	0.8	-6.3	20	
2-Chlorophenol	A	30.0	27.8	1.51179	1.40138	0.8	-7.3	20	
2-Methylnaphthalene	A	30.0	27.6	0.8169913	0.7505601	0.4	-8.1	20	
2-Methylphenol	A	30.0	27.6	1.315292	1.208149	0.7	-8.1	20	
2-Nitroaniline	A	30.0	31.5	0.4193125	0.4397758	0.01	4.9	20	
2-Nitrophenol	A	30.0	31.6	0.2018593	0.2124491	0.1	5.2	20	
3- & 4-Methylphenols	A	30.0	27.5	2.016913	1.850374	0.6	-8.3	20	
3,3-Dichlorobenzidine sample ND	A	30.0	38.9	0.5031559	0.6523179	0.01	29.6	20 *	
3-Nitroaniline	A	30.0	30.5	0.3822978	0.3884032	0.01	1.6	20	
4,6-Dinitro-2-methylphenol sample ND	A	30.0	42.2	0.1182946	0.1662035	0.01	40.5	20 *	
4-Bromophenyl phenyl ether	A	30.0	31.5	0.260953	0.273651	0.1	4.9	20	
4-Chloro-3-methylphenol	A	30.0	27.5	0.3981288	0.3651699	0.2	-8.3	20	
4-Chloroaniline	A	30.0	29.1	0.4906061	0.4752345	0.01	-3.1	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA #1	Calibration:	SH50067
Lab File ID:	BNA1-035230.D	Calibration Date:	08/29/25 08:00
Sequence:	S5H3103	Injection Date:	08/30/25
Lab Sample ID:	S5H3103-CCV1	Injection Time:	18:00

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
4-Chlorophenyl phenyl ether	A	30.0	28.2	0.7187662	0.6749045	0.4	-6.1	20	
4-Nitroaniline	A	30.0	30.5	0.3991925	0.4054025	0.01	1.6	20	
4-Nitrophenol	A	30.0	25.4	0.4238361	0.3584193	0.01	-15.4	20	
Acenaphthene	A	30.0	27.4	1.300249	1.189282	0.9	-8.5	20	
Acenaphthylene	A	30.0	27.7	1.945671	1.798761	0.9	-7.6	20	
Acetophenone	A	30.0	26.8	2.321126	2.070332	0.01	-10.8	20	
Alpha Terpineol	A	30.0	26.8	0.3668795	0.327521		-10.7	20	
Aniline	A	30.0	27.6	2.317355	2.128138		-8.2	20	
Anthracene	A	30.0	28.7	1.25057	1.197196	0.7	-4.3	20	
Atrazine	A	30.0	30.3	0.2569011	0.2595399	0.01	1.0	20	
Benzaldehyde	A	30.0	26.1	1.149857	1.00172	0.01	-12.9	20	
Benzidine sample ND	A	30.0	51.1	0.4660087	0.7930895		70.2	20 *	
Benzo(a)anthracene	A	30.0	28.8	1.38421	1.326464	0.8	-4.2	20	
Benzo(a)pyrene	A	30.0	31.7	1.379048	1.457006	0.7	5.7	20	
Benzo(b)fluoranthene	A	30.0	31.1	1.417259	1.4699	0.7	3.7	20	
Benzo(g,h,i)perylene	A	30.0	31.0	1.225847	1.266849	0.5	3.3	20	
Benzo(k)fluoranthene	A	30.0	29.3	1.42926	1.395795	0.7	-2.3	20	
Benzoic acid	A	30.0	24.6	0.3107038	0.2551934		-17.9	20	
Benzyl alcohol	A	30.0	28.9	1.104811	1.063533		-3.7	20	
Benzyl butyl phthalate	A	30.0	29.3	0.6456007	0.6305776		-2.3	20	
Bis(2-chloroethoxy)methane	A	30.0	27.6	0.5126635	0.4715153	0.3	-8.0	20	
Bis(2-chloroethyl)ether	A	30.0	26.3	1.701917	1.490836	0.7	-12.4	20	
Bis(2-chloroisopropyl)ether	A	30.0	26.9	1.934747	1.734023	0.01	-10.4	20	
Bis(2-ethylhexyl)phthalate	A	30.0	29.1	0.8761144	0.8508023		-2.9	20	
Caprolactam	A	30.0	30.6	0.1333099	0.1360529	0.01	2.1	20	
Carbazole	A	30.0	29.1	1.251271	1.21228	0.01	-3.1	20	
Chrysene	A	30.0	28.1	1.301814	1.219797	0.7	-6.3	20	
Dibenzo(a,h)anthracene	A	30.0	30.5	1.283968	1.306166	0.4	1.7	20	
Dibenzofuran	A	30.0	27.7	1.815155	1.675957	0.8	-7.7	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA #1	Calibration:	SH50067
Lab File ID:	BNA1-035230.D	Calibration Date:	08/29/25 08:00
Sequence:	S5H3103	Injection Date:	08/30/25
Lab Sample ID:	S5H3103-CCV1	Injection Time:	18:00

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Diethyl phthalate	A	30.0	26.0	1.605988	1.391839	0.01	-13.3	20	
Dimethyl phthalate	A	30.0	27.1	1.511447	1.365057	0.01	-9.7	20	
Di-n-butyl phthalate	A	30.0	27.1	1.488221	1.342792	0.01	-9.8	20	
Di-n-octyl phthalate	A	30.0	29.8	1.484216	1.471876	0.01	-0.8	20	
Diphenylamine	A	30.0	30.2	0.6715764	0.6771121		0.8	20	
Fluoranthene	A	30.0	28.0	1.526443	1.427013	0.6	-6.5	20	
Fluorene	A	30.0	27.5	1.547816	1.419991	0.9	-8.3	20	
Hexachlorobenzene	A	30.0	27.4	0.1279865	0.117124	0.1	-8.5	20	
Hexachlorobutadiene	A	30.0	27.1	0.1981043	0.1790013	0.01	-9.6	20	
Hexachlorocyclopentadiene	A	30.0	29.2	0.3125205	0.3037088	0.05	-2.8	20	
Hexachloroethane	A	30.0	27.3	0.6928655	0.6310041	0.3	-8.9	20	
Indeno(1,2,3-cd)pyrene J+:CV+	A	30.0	36.8	1.314571	1.613254	0.5	22.7	20 *	
Isophorone	A	30.0	26.3	0.9544558	0.8364725	0.4	-12.4	20	
Naphthalene	A	30.0	26.6	1.129894	1.003613	0.7	-11.2	20	
Nitrobenzene	A	30.0	25.7	0.5369364	0.4593714	0.2	-14.4	20	
N-Nitrosodimethylamine	A	30.0	29.5	1.16421	1.145084		-1.6	20	
N-nitroso-di-n-propylamine	A	30.0	25.9	1.653441	1.426386	0.5	-13.7	20	
N-Nitrosodiphenylamine	A	30.0	30.7	0.2417171	0.2473714	0.01	2.3	20	
Parathion	A	30.0	35.0	0.1647876	0.1919905		16.5	20	
Pentachloronitrobenzene	A	30.0	29.6	0.1258434	0.1240864		-1.4	20	
Pentachlorophenol	A	30.0	30.4	0.1669623	0.1690429	0.05	1.2	20	
Phenanthrene	A	30.0	28.0	1.24333	1.159876	0.7	-6.7	20	
Phenol	A	30.0	27.1	2.137252	1.929996	0.8	-9.7	20	
Pyrene	A	30.0	28.0	1.333478	1.242372	0.6	-6.8	20	
Pyridine	A	30.0	32.7	1.583327	1.727333		9.1	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Instrument ID: BNA#6
Calibration: SG50013
Lab File ID: SV68795.D
Calibration Date: 07/08/25 00:34
Sequence: S5H3105
Injection Date: 08/29/25
Calibration used only to analyze Pyrene in sample 5
Lab Sample ID: S5H3105-CCV1
Injection Time: 21:14

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1-Biphenyl	A	30.0	29.3	0.6171604	0.6029676	0.01	-2.3	20	
1,2,4,5-Tetrachlorobenzene	A	30.0	29.6	0.6287167	0.6192439	0.01	-1.5	20	
1,2,4-Trichlorobenzene	A	30.0	31.0	0.3238146	0.335108		3.5	20	
1,2-Dichlorobenzene	A	30.0	28.9	1.533532	1.479399		-3.5	20	
1,2-Diphenylhydrazine (as Azobenzene)	A	30.0	22.3	0.7257098	0.5384395		-25.8	20 *	
1,3-Dichlorobenzene	A	30.0	28.8	1.567565	1.50677		-3.9	20	
1,4-Dichlorobenzene	A	30.0	28.8	1.601791	1.537538		-4.0	20	
1-Methylnaphthalene	A	30.0	27.8	0.6488675	0.6021515		-7.2	20	
2,3,4,6-Tetrachlorophenol	A	30.0	34.1	0.1292348	0.146746	0.01	13.5	20	
2,4,5-Trichlorophenol	A	30.0	26.4	0.4386866	0.3863586	0.2	-11.9	20	
2,4,6-Trichlorophenol	A	30.0	31.9	0.3629236	0.3863266	0.2	6.4	20	
2,4-Dichlorophenol	A	30.0	27.9	0.2721361	0.2530133	0.2	-7.0	20	
2,4-Dimethylphenol	A	30.0	25.1	0.2527444	0.2116991	0.2	-16.2	20	
2,4-Dinitrophenol	A	30.0	5.40	0.1392608	2.508709E-02	0.01	-82.0	20 *	
2,4-Dinitrotoluene	A	30.0	28.2	0.4350912	0.4096131	0.2	-5.9	20	
2,6-Dinitrotoluene	A	30.0	30.2	0.3157632	0.3180129	0.2	0.7	20	
2-Chloronaphthalene	A	30.0	30.0	1.139697	1.13874	0.8	-0.08	20	
2-Chlorophenol	A	30.0	26.6	1.363828	1.206898	0.8	-11.5	20	
2-Methylnaphthalene	A	30.0	26.7	0.728868	0.6476158	0.4	-11.1	20	
2-Methylphenol	A	30.0	22.9	1.064867	0.8118657	0.7	-23.8	20 *	
2-Nitroaniline	A	30.0	27.1	0.4167927	0.3768958	0.01	-9.6	20	
2-Nitrophenol	A	30.0	27.6	0.1872665	0.1724597	0.1	-7.9	20	
3- & 4-Methylphenols	A	30.0	20.3	1.695483	1.148161	0.6	-32.3	20 *	
3,3-Dichlorobenzidine	A	30.0	47.1	0.6350737	0.4984759	0.01	-21.5	20 *	
3-Nitroaniline	A	30.0	27.1	0.4167927	0.3768958	0.01	-9.6	20	
4,6-Dinitro-2-methylphenol	A	30.0	32.8	0.1158679	0.1267747	0.01	9.4	20	
4-Bromophenyl phenyl ether	A	30.0	26.5	0.2438277	0.2155973	0.1	-11.6	20	
4-Chloro-3-methylphenol	A	30.0	23.1	0.3174454	0.2448485	0.2	-22.9	20 *	
4-Chloroaniline	A	30.0	24.4	0.4380768	0.3567833	0.01	-18.6	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA#6	Calibration:	SG50013
Lab File ID:	SV68795.D	Calibration Date:	07/08/25 00:34
Sequence:	S5H3105	Injection Date:	08/29/25
Lab Sample ID:	S5H3105-CCV1	Injection Time:	21:14

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
4-Chlorophenyl phenyl ether	A	30.0	31.5	0.7088334	0.7440265	0.4	5.0	20	
4-Nitroaniline	A	30.0	1.99	0.3892383	2.583661E-02	0.01	-93.4	20 *	
4-Nitrophenol	A	30.0	0.960	0.2362087	7.595146E-03	0.01	-96.8	20 *	
Acenaphthene	A	30.0	29.2	1.180449	1.149447	0.9	-2.6	20	
Acenaphthylene	A	30.0	30.4	1.88666	1.909116	0.9	1.2	20	
Acetophenone	A	30.0	20.2	2.123471	1.43128	0.01	-32.6	20 *	
Alpha Terpineol	A	30.0	14.4	0.2263021	0.1082837		-52.2	20 *	
Aniline	A	30.0	17.1	1.887271	1.075416		-43.0	20 *	
Anthracene	A	30.0	28.2	1.174099	1.103982	0.7	-6.0	20	
Atrazine	A	30.0	28.8	0.2352602	0.2261501	0.01	-3.9	20	
Benzaldehyde	A	30.0	18.3	1.085625	0.662096	0.01	-39.0	20 *	
Benzidine	A	30.0	18.0	0.7475029	0.4472123		-40.2	20 *	
Benzo(a)anthracene	A	30.0	31.1	1.261583	1.308009	0.8	3.7	20	
Benzo(a)pyrene	A	30.0	35.1	1.250231	1.462224	0.7	17.0	20	
Benzo(b)fluoranthene	A	30.0	30.2	1.277913	1.287317	0.7	0.7	20	
Benzo(g,h,i)perylene	A	30.0	33.6	1.063464	1.191645	0.5	12.1	20	
Benzo(k)fluoranthene	A	30.0	36.5	1.357176	1.650424	0.7	21.6	20 *	
Benzoic acid	A	30.0	20.8	0.2878576	0.1996552		-30.6	20 *	
Benzyl alcohol	A	30.0	20.0	0.9371269	0.6257501		-33.2	20 *	
Benzyl butyl phthalate	A	30.0	31.8	0.5116821	0.5429035		6.1	20	
Bis(2-chloroethoxy)methane	A	30.0	18.1	0.3818308	0.229841	0.3 *	-39.8	20 *	
Bis(2-chloroethyl)ether	A	30.0	19.2	1.278809	0.8205742	0.7	-35.8	20 *	
Bis(2-chloroisopropyl)ether	A	30.0	8.50	0.9958916	0.2822389	0.01	-71.7	20 *	
Bis(2-ethylhexyl)phthalate	A	30.0	33.4	0.7112311	0.790566		11.2	20	
Caprolactam	A	30.0	22.6	0.116207	0.0873853	0.01	-24.8	20 *	
Carbazole	A	30.0	26.8	1.139913	1.01901	0.01	-10.6	20	
Chrysene	A	30.0	34.1	1.195561	1.360072	0.7	13.8	20	
Dibenzo(a,h)anthracene	A	30.0	31.6	1.118177	1.176718	0.4	5.2	20	
Dibenzofuran	A	30.0	30.2	1.7325	1.747051	0.8	0.8	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA#6	Calibration:	SG50013
Lab File ID:	SV68795.D	Calibration Date:	07/08/25 00:34
Sequence:	S5H3105	Injection Date:	08/29/25
Lab Sample ID:	S5H3105-CCV1	Injection Time:	21:14

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Diethyl phthalate	A	30.0	33.6	1.35359	1.513668	0.01	11.8	20	
Dimethyl phthalate	A	30.0	32.2	1.369439	1.471436	0.01	7.4	20	
Di-n-butyl phthalate	A	30.0	31.2	1.300241	1.353895	0.01	4.1	20	
Di-n-octyl phthalate	A	30.0	37.9	1.245735	1.574959	0.01	26.4	20 *	
Diphenylamine	A	30.0	28.2	0.58127	0.5469863		-5.9	20	
Fluoranthene	A	30.0	30.4	1.408667	1.429149	0.6	1.5	20	
Fluorene	A	30.0	28.1	1.480372	1.384769	0.9	-6.5	20	
Hexachlorobenzene	A	30.0	35.8	9.005078E-02	0.1074058	0.1	19.3	20	
Hexachlorobutadiene	A	30.0	36.1	0.1903937	0.2290957	0.01	20.3	20 *	
Hexachlorocyclopentadiene	A	30.0	8.85	0.3637142	0.1072466	0.05	-70.5	20 *	
Hexachloroethane	A	30.0	30.9	0.599789	0.617778	0.3	3.0	20	
Indeno(1,2,3-cd)pyrene	A	30.0	44.5	1.049391	1.557894	0.5	48.5	20 *	
Isophorone	A	30.0	20.4	0.6778665	0.4613356	0.4	-31.9	20 *	
Naphthalene	A	30.0	26.6	1.065073	0.9445215	0.7	-11.3	20	
Nitrobenzene	A	30.0	20.6	0.3662383	0.2511823	0.2	-31.4	20 *	
N-Nitrosodimethylamine	A	30.0	15.9	0.8041477	0.4255966		-47.1	20 *	
N-nitroso-di-n-propylamine	A	30.0	18.1	1.082843	0.6517032	0.5	-39.8	20 *	
N-Nitrosodiphenylamine	A	30.0	31.1	0.2078535	0.2156183	0.01	3.7	20	
Parathion	A	30.0	26.1	0.1552182	0.1349578		-13.1	20	
Pentachloronitrobenzene	A	30.0	40.3	0.1070224	0.1436207		34.2	20 *	
Pentachlorophenol	A	30.0	19.6	0.1399379	9.161638E-02	0.05	-34.5	20 *	
Phenanthrene	A	30.0	28.0	1.156917	1.081245	0.7	-6.5	20	
Phenol	A	30.0	19.4	1.778898	1.152233	0.8	-35.2	20 *	
Pyrene	A	30.0	29.4	1.199455	1.174934	0.6	-2.0	20	
Pyridine	A	30.0	15.1	1.429669	0.7186005		-49.7	20 *	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

CCV associated with re extraction of sample 7 for Chrysene and Pyrene only ✓

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA#2	Calibration:	SH50050
Lab File ID:	E20027537.D	Calibration Date:	08/24/25 00:17
Sequence:	S5I0215	Injection Date:	09/02/25
Lab Sample ID:	S5I0215-CCV1	Injection Time:	10:04

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1-Biphenyl	A	30.0	25.9	0.7428256	0.6414071	0.01	-13.7	20	
1,2,4,5-Tetrachlorobenzene	A	30.0	28.6	0.6137701	0.5858856	0.01	-4.5	20	
1,2,4-Trichlorobenzene	A	30.0	28.8	0.3657217	0.3513726		-3.9	20	
1,2-Dichlorobenzene	A	30.0	25.4	1.553192	1.31312		-15.5	20	
1,2-Diphenylhydrazine (as Azobenzene)	A	30.0	22.5	0.8912598	0.6684583		-25.0	20 *	
1,3-Dichlorobenzene	A	30.0	27.5	1.642206	1.503234		-8.5	20	
1,4-Dichlorobenzene	A	30.0	28.9	1.662957	1.601946		-3.7	20	
2,3,4,6-Tetrachlorophenol	A	30.0	29.1	0.1597489	0.1548459	0.01	-3.1	20	
2,4,5-Trichlorophenol	A	30.0	31.5	0.4134871	0.4336465	0.2	4.9	20	
2,4,6-Trichlorophenol	A	30.0	29.5	0.3748823	0.3688065	0.2	-1.6	20	
2,4-Dichlorophenol	A	30.0	29.8	0.3036611	0.3018246	0.2	-0.6	20	
2,4-Dimethylphenol	A	30.0	28.7	0.3038028	0.290689	0.2	-4.3	20	
2,4-Dinitrophenol	A	30.0	32.7	0.0806952	0.1252025	0.01	55.2	20 *	
2,4-Dinitrotoluene	A	30.0	40.2	0.3434813	0.4596792	0.2	33.8	20 *	
2,6-Dinitrotoluene	A	30.0	37.5	0.2631881	0.3290018	0.2	25.0	20 *	
2-Chloronaphthalene	A	30.0	27.0	1.182689	1.064269	0.8	-10.0	20	
2-Chlorophenol	A	30.0	27.9	1.402551	1.303089	0.8	-7.1	20	
2-Methylnaphthalene	A	30.0	30.5	0.8055187	0.8179392	0.4	1.5	20	
2-Methylphenol	A	30.0	17.5	1.717274	1.003838	0.7	-41.5	20 *	
2-Nitroaniline	A	30.0	33.4	0.3355797	0.3731141	0.01	11.2	20	
2-Nitrophenol	A	30.0	35.1	0.1651384	0.193111	0.1	16.9	20	
3- & 4-Methylphenols	A	30.0	27.8	1.717274	1.593724	0.6	-7.2	20	
3,3-Dichlorobenzidine	A	30.0	39.2	0.4752658	0.6217695	0.01	30.8	20 *	
3-Nitroaniline	A	30.0	33.0	0.3005634	0.3305349	0.01	10.0	20	
4,6-Dinitro-2-methylphenol	A	30.0	34.6	8.312843E-02	0.1188845	0.01	43.0	20 *	
4-Bromophenyl phenyl ether	A	30.0	28.1	0.2487398	0.2332649	0.1	-6.2	20	
4-Chloro-3-methylphenol	A	30.0	28.9	0.3314725	0.3197908	0.2	-3.5	20	
4-Chloroaniline	A	30.0	29.6	0.4432082	0.4377572	0.01	-1.2	20	
4-Chlorophenyl phenyl ether	A	30.0	28.7	0.8081237	0.7740313	0.4	-4.2	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA#2	Calibration:	SH50050
Lab File ID:	E20027537.D	Calibration Date:	08/24/25 00:17
Sequence:	S5I0215	Injection Date:	09/02/25
Lab Sample ID:	S5I0215-CCV1	Injection Time:	10:04

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
4-Nitroaniline	A	30.0	31.0	0.3204284	0.3307505	0.01	3.2	20	
4-Nitrophenol	A	30.0	23.3	0.2781643	0.2158422	0.01	-22.4	20 *	
Acenaphthene	A	30.0	27.7	1.217831	1.125004	0.9	-7.6	20	
Acenaphthylene	A	30.0	27.5	1.950515	1.79053	0.9	-8.2	20	
Acetophenone	A	30.0	28.3	1.980668	1.870576	0.01	-5.6	20	
Aniline	A	30.0	25.1	1.683489	1.409033		-16.3	20	
Anthracene	A	30.0	27.0	1.211736	1.090889	0.7	-10.0	20	
Atrazine	A	30.0	28.6	0.2555834	0.243455	0.01	-4.7	20	
Benzaldehyde	A	30.0	18.8	1.010883	0.632103	0.01	-37.5	20 *	
Benzidine	A	30.0	27.3	0.595983	0.5415936		-9.1	20	
Benzo(a)anthracene	A	30.0	30.0	1.413636	1.415152	0.8	0.1	20	
Benzo(a)pyrene	A	30.0	21.5	1.421073	1.020466	0.7	-28.2	20 *	
Benzo(b)fluoranthene	A	30.0	24.7	1.465227	1.206302	0.7	-17.7	20	
Benzo(g,h,i)perylene	A	30.0	24.1	1.182882	0.9507973	0.5	-19.6	20	
Benzo(k)fluoranthene	A	30.0	22.3	1.452721	1.079131	0.7	-25.7	20 *	
Benzoic acid	A	30.0	16.6	0.1408633	9.483177E-02		-32.7	20 *	
Benzyl alcohol	A	30.0	27.2	0.8404387	0.762377		-9.3	20	
Benzyl butyl phthalate	A	30.0	30.8	0.5722325	0.587998		2.8	20	
Bis(2-chloroethoxy)methane	A	30.0	27.0	0.3608632	0.3246134	0.3	-10.0	20	
Bis(2-chloroethyl)ether	A	30.0	24.8	1.170226	0.9654166	0.7	-17.5	20	
Bis(2-chloroisopropyl)ether	A	30.0	21.9	0.5748273	0.4198213	0.01	-27.0	20 *	
Bis(2-ethylhexyl)phthalate	A	30.0	24.6	0.7822164	0.6401616		-18.2	20	
Caprolactam	A	30.0	33.2	0.1179593	0.1307174	0.01	10.8	20	
Carbazole	A	30.0	26.9	1.159135	1.039232	0.01	-10.3	20	
Chrysene	A	30.0	26.6	1.299983	1.152668	0.7	-11.3	20	✓
~~Dibenzo(a,h)anthracene~~	~~A~~	~~30.0~~	~~26.8~~	~~1.260994~~	~~1.125002~~	~~0.4~~	~~-10.8~~	~~20~~	
Dibenzofuran	A	30.0	29.0	1.762004	1.70055	0.8	-3.5	20	
Diethyl phthalate	A	30.0	28.9	1.548876	1.490503	0.01	-3.8	20	
Dimethyl phthalate	A	30.0	28.6	1.520105	1.451423	0.01	-4.5	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	BNA#2	Calibration:	SH50050
Lab File ID:	E20027537.D	Calibration Date:	08/24/25 00:17
Sequence:	S5I0215	Injection Date:	09/02/25
Lab Sample ID:	S5I0215-CCV1	Injection Time:	10:04

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Di-n-butyl phthalate	A	30.0	27.5	1.379409	1.262837	0.01	-8.5	20	
Di-n-octyl phthalate	A	30.0	24.2	1.457014	1.175099	0.01	-19.3	20	
Diphenylamine	A	30.0	27.0	0.6106312	0.5500337		-9.9	20	
Fluoranthene	A	30.0	27.9	1.553638	1.445926	0.6	-6.9	20	
Fluorene	A	30.0	28.7	1.532951	1.464226	0.9	-4.5	20	
Hexachlorobenzene	A	30.0	25.4	0.120151	0.1018788	0.1	-15.2	20	
Hexachlorobutadiene	A	30.0	29.9	0.2275178	0.2266183	0.01	-0.4	20	
Hexachlorocyclopentadiene	A	30.0	16.2	0.3600469	0.1945265	0.05	-46.0	20 *	
Hexachloroethane	A	30.0	25.1	0.6730972	0.5639106	0.3	-16.2	20	
Indeno(1,2,3-cd)pyrene	A	30.0	25.6	1.585137	1.352986	0.5	-14.6	20	
Isophorone	A	30.0	25.1	0.7247933	0.605675	0.4	-16.4	20	
Naphthalene	A	30.0	28.7	1.086243	1.040792	0.7	-4.2	20	
Nitrobenzene	A	30.0	24.2	0.4079569	0.3287183	0.2	-19.4	20	
N-Nitrosodimethylamine	A	30.0	20.8	0.7386134	0.5124453		-30.6	20 *	
N-nitroso-di-n-propylamine	A	30.0	26.2	1.236476	1.078671	0.5	-12.8	20	
N-Nitrosodiphenylamine	A	30.0	25.1	0.2563109	0.2147624	0.01	-16.2	20	
Pentachlorophenol	A	30.0	25.5	0.1111411	0.1071842	0.05	-3.6	20	
Phenanthrene	A	30.0	27.6	1.201118	1.105946	0.7	-7.9	20	
Phenol	A	30.0	24.9	1.472143	1.221836	0.8	-17.0	20	
Pyrene	A	30.0	31.0	1.307959	1.353297	0.6	3.5	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

BENCHSHEETS

SDG: 25H1735

CLASS: SVOA

METHOD: EPA 8270E

PREPARATION BENCH SHEET : BH51930

Preparation Date: 08/26/2025 09:04

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1535-10 E	SVOA, 8270 MASTER	30.4	1										rocky
BH51930-BLK1	SVOA, 8270 MASTER	30	1										
BH51930-BS1	SVOA, 8270 MASTER	30	1	S25E565	500								

Reagent

Standard/Reagent ID	Description	LotNum
S24B105	Methylene Chloride HW	EH655
S25G052	Sodium Sulfate, Anhydrous	502210
S25H070	Baked Sodium Sulfate	502210

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25E565	EXT BNA COMP SPIKE SOILS (50 ug/ml)	05082025	500

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25G533	EXT- BNA Surrogate	07302025	1000

Preparations Performed by Joline A Alisa **Date:** **07/30/2025 22:13**

BENCHSHEETS

SDG: 25H1735

CLASS: SVOA

METHOD: EPA 8270E

PREPARATION BENCH SHEET : BH51937

Preparation Date: 08/26/2025 09:21

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	Final	Basic	Decanted If applicable Y/N	Comments
25H1535-05 A	SVOA, 8270 MASTER	30.4	1										
25H1535-05RE1 A	SVOA, 8270 MASTER	30.4	1										Added 8/29/2025 by SR
25H1535-06 A	SVOA, 8270 MASTER	30.2	1										
25H1535-07 A	SVOA, 8270 MASTER	30.9	1										
25H1535-07RE1 A	SVOA, 8270 MASTER	30.9	1										Added 9/2/2025 by AAL
25H1535-08 A	SVOA, 8270 MASTER	30.1	1										
25H1535-09 E	SVOA, 8270 MASTER	30.5	1										
BH51937-BLK1	SVOA, 8270 MASTER	30.1	1										
BH51937-BS1	SVOA, 8270 MASTER	30.1	1	S25H199	500								
BH51937-MS1	SVOA, 8270 MASTER	30.1	1	S25H199	500			25H1535-09					
BH51937-MSD1	SVOA, 8270 MASTER	30	1	S25H199	500			25H1535-09					

Reagent

Standard/Reagent ID	Description	LotNum
S24B105	Methylene Chloride HW	EH655
S25G052	Sodium Sulfate, Anhydrous	502210
S25H070	Baked Sodium Sulfate	502210

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25H199	EXT BNA COMP SPIKE SOILS (50 ug/ml)	08112025	500

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25G533	EXT- BNA Surrogate	07302025	1000

Preparations Performed by Joline A Alisa **Date:** **07/30/2025 22:13**

PREPARATION BENCH SHEET-SOILS/SOLIDS: BH51937

Preparation Date: 08/26/2025 09:21

York Analytical Laboratories, Inc. **Printed: 8/26/2025 3:05:42PM**

Matrix: Soil **Preparation: EPA 3550C** **Surrogate used: S25G533 1000 ul**

Lab Number	Analysis	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
25H1518-02 B	SVOA, 8270 MASTER	30.9	1				
25H1518-03 B	SVOA, 8270 MASTER	30.1	1				
25H1518-04 B	SVOA, 8270 MASTER	30.1	1				
25H1518-05 B	SVOA, 8270 MASTER	30.1	1				
25H1518-06 B	SVOA, 8270 MASTER	30.5	1				sand
25H1518-07 B	SVOA, 8270 MASTER	30.1	1				
25H1520-01 B	SVOA, 8270 MASTER	30.1	1				wet sand
25H1520-02 B	SVOA, 8270 MASTER	30.1	1				
25H1520-03 B	SVOA, 8270 MASTER	30.4	1				
25H1520-04 B	SVOA, 8270 MASTER	30.3	1				
25H1526-01 E	SVOA, 8270 MASTER	30.1	1				
25H1526-02 E	SVOA, 8270 MASTER	30.1	1				
25H1526-05 E	SVOA, 8270 MASTER	30.8	1				
25H1526-06 E	SVOA, 8270 MASTER	30.3	1				
25H1526-07 E	SVOA, 8270 MASTER	30.3	1				
25H1535-05 A	SVOA, 8270 MASTER	30.4	1				
25H1535-06 A	SVOA, 8270 MASTER	30.2	1				
25H1535-07 A	SVOA, 8270 MASTER	30.9	1				
25H1535-08 A	SVOA, 8270 MASTER	30.1	1				
25H1535-09 E	SVOA, 8270 MASTER	30.5	1				
BH51937-BLK1	QC	30.1	1				
BH51937-BS1	QC	30.1	1	S25H199		500	
BH51937-MS1	QC	30.1	1	S25H199	25H1535-09	500	
BH51937-MSD1	QC	30	1	S25H199	25H1535-09	500	

SW: NP
PREPARED BY: JLM

Reagents:

ID Number	Description	Lot Number	ID Number	Description	Lot Number
S24B105	Methylene Chloride HW	EH655	S25G052	Sodium Sulfate, Anhydrous	502210
S25H070	Baked Sodium Sulfate	502210			

Preparations Performed by **JLM** **Date:** **08/26/2025 09:21**

METHOD DETECTION AND REPORTING LIMITS

EPA 8260D

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: SOIL **Instrument:** MS VOA 2

Analyte	LOD	LOQ	Units
1,1,1,2-Tetrachloroethane	0.0025	0.0050	mg/kg
1,1,1-Trichloroethane	0.0025	0.0050	mg/kg
1,1,2,2-Tetrachloroethane	0.0025	0.0050	mg/kg
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0025	0.0050	mg/kg
1,1,2-Trichloroethane	0.0025	0.0050	mg/kg
1,1-Dichloroethane	0.0025	0.0050	mg/kg
1,1-Dichloroethylene	0.0025	0.0050	mg/kg
1,2,3-Trichlorobenzene	0.0025	0.0050	mg/kg
1,2,3-Trichloropropane	0.0025	0.0050	mg/kg
1,2,4-Trichlorobenzene	0.0025	0.0050	mg/kg
1,2,4-Trimethylbenzene	0.0025	0.0050	mg/kg
1,2-Dibromo-3-chloropropane	0.0025	0.0050	mg/kg
1,2-Dibromoethane	0.0025	0.0050	mg/kg
1,2-Dichlorobenzene	0.0025	0.0050	mg/kg
1,2-Dichloroethane	0.0025	0.0050	mg/kg
1,2-Dichloropropane	0.0025	0.0050	mg/kg
1,3,5-Trimethylbenzene	0.0025	0.0050	mg/kg
1,3-Dichlorobenzene	0.0025	0.0050	mg/kg
1,4-Dichlorobenzene	0.0025	0.0050	mg/kg
2-Butanone	0.0025	0.0050	mg/kg
2-Hexanone	0.0025	0.0050	mg/kg
4-Methyl-2-pentanone	0.0025	0.0050	mg/kg
Acetone	0.0050	0.010	mg/kg
Acrolein	0.0050	0.010	mg/kg
Acrylonitrile	0.0025	0.0050	mg/kg
Benzene	0.0025	0.0050	mg/kg
Bromochloromethane	0.0025	0.0050	mg/kg
Bromodichloromethane	0.0025	0.0050	mg/kg
Bromoform	0.0025	0.0050	mg/kg
Bromomethane	0.0025	0.0050	mg/kg
Carbon disulfide	0.0025	0.0050	mg/kg
Carbon tetrachloride	0.0025	0.0050	mg/kg
Chlorobenzene	0.0025	0.0050	mg/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8260D

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: SOIL **Instrument:** MS VOA 2

Analyte	LOD	LOQ	Units
Chloroethane	0.0025	0.0050	mg/kg
Chloroform	0.0025	0.0050	mg/kg
Chloromethane	0.0025	0.0050	mg/kg
cis-1,2-Dichloroethylene	0.0025	0.0050	mg/kg
cis-1,3-Dichloropropylene	0.0025	0.0050	mg/kg
Cyclohexane	0.0025	0.0050	mg/kg
Dibromochloromethane	0.0025	0.0050	mg/kg
Dibromomethane	0.0025	0.0050	mg/kg
Dichlorodifluoromethane	0.0025	0.0050	mg/kg
Ethyl Benzene	0.0025	0.0050	mg/kg
Hexachlorobutadiene	0.0025	0.0050	mg/kg
Isopropylbenzene	0.0025	0.0050	mg/kg
Methyl acetate	0.0025	0.0050	mg/kg
Methyl tert-butyl ether (MTBE)	0.0025	0.0050	mg/kg
Methylcyclohexane	0.0025	0.0050	mg/kg
Methylene chloride	0.0050	0.010	mg/kg
n-Butylbenzene	0.0025	0.0050	mg/kg
n-Propylbenzene	0.0025	0.0050	mg/kg
o-Xylene	0.0025	0.0050	mg/kg
p- & m- Xylenes	0.0050	0.010	mg/kg
p-Isopropyltoluene	0.0025	0.0050	mg/kg
sec-Butylbenzene	0.0025	0.0050	mg/kg
Styrene	0.0025	0.0050	mg/kg
tert-Butyl alcohol (TBA)	0.012	0.025	mg/kg
tert-Butylbenzene	0.0025	0.0050	mg/kg
Tetrachloroethylene	0.0025	0.0050	mg/kg
Toluene	0.0025	0.0050	mg/kg
trans-1,2-Dichloroethylene	0.0025	0.0050	mg/kg
trans-1,3-Dichloropropylene	0.0025	0.0050	mg/kg
trans-1,4-dichloro-2-butene	0.0025	0.0050	mg/kg
Trichloroethylene	0.0025	0.0050	mg/kg
Trichlorofluoromethane	0.0025	0.0050	mg/kg
Vinyl Chloride	0.0025	0.0050	mg/kg
Xylenes, Total	0.0075	0.015	mg/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8260D

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: Water **Instrument:** VOA No. 10

Analyte	LOD	LOQ	Units
1,1,1,2-Tetrachloroethane	0.216	0.500	ug/L
1,1,1-Trichloroethane	0.266	0.500	ug/L
1,1,2,2-Tetrachloroethane	0.256	0.500	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.286	0.500	ug/L
1,1,2-Trichloroethane	0.249	0.500	ug/L
1,1-Dichloroethane	0.272	0.500	ug/L
1,1-Dichloroethylene	0.327	0.500	ug/L
1,2,3-Trichlorobenzene	0.222	0.500	ug/L
1,2,3-Trichloropropane	0.273	0.500	ug/L
1,2,4-Trichlorobenzene	0.138	0.500	ug/L
1,2,4-Trimethylbenzene	0.310	0.500	ug/L
1,2-Dibromo-3-chloropropane	0.432	0.500	ug/L
1,2-Dibromoethane	0.215	0.500	ug/L
1,2-Dichlorobenzene	0.270	0.500	ug/L
1,2-Dichloroethane	0.377	0.500	ug/L
1,2-Dichloropropane	0.327	0.500	ug/L
1,3,5-Trimethylbenzene	0.347	0.500	ug/L
1,3-Dichlorobenzene	0.283	0.500	ug/L
1,3-Dichloropropane	0.260	0.500	ug/L
1,4-Dichlorobenzene	0.311	0.500	ug/L
2-Butanone	0.421	0.500	ug/L
2-Hexanone	0.320	0.500	ug/L
4-Methyl-2-pentanone	0.365	0.500	ug/L
Acetone	1.34	2.00	ug/L
Acrolein	0.447	0.500	ug/L
Acrylonitrile	0.422	0.500	ug/L
Benzene	0.279	0.500	ug/L
Bromochloromethane	0.354	0.500	ug/L
Bromodichloromethane	0.245	0.500	ug/L
Bromoform	0.163	0.500	ug/L
Bromomethane	0.500	2.00	ug/L
Carbon disulfide	0.362	0.500	ug/L
Carbon tetrachloride	0.204	0.500	ug/L

METHOD DETECTION AND REPORTING LIMITS

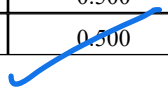
EPA 8260D

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: Water **Instrument:** VOA No. 10

Analyte	LOD	LOQ	Units
Chlorobenzene	0.284	0.500	ug/L
Chloroethane	0.448	0.500	ug/L
Chloroform	0.243	0.500	ug/L
Chloromethane	0.372	0.500	ug/L
cis-1,2-Dichloroethylene	0.294	0.500	ug/L
cis-1,3-Dichloropropylene	0.262	0.500	ug/L
Cyclohexane	0.491	0.500	ug/L
Dibromochloromethane	0.146	0.500	ug/L
Dibromomethane	0.203	0.500	ug/L
Dichlorodifluoromethane	0.451	0.500	ug/L
Ethyl Benzene	0.290	0.500	ug/L
Hexachlorobutadiene	0.241	0.500	ug/L
Isopropylbenzene	0.405	0.500	ug/L
Methyl acetate	0.442	0.500	ug/L
Methyl tert-butyl ether (MTBE)	0.244	0.500	ug/L
Methylcyclohexane	0.477	0.500	ug/L
Methylene chloride	0.397	2.00	ug/L
Naphthalene	0.212	2.00	ug/L
n-Butylbenzene	0.399	0.500	ug/L
n-Propylbenzene	0.384	0.500	ug/L
o-Xylene	0.261	0.500	ug/L
p- & m- Xylenes	0.578	1.00	ug/L
p-Diethylbenzene	0.341	0.500	ug/L
p-Ethyltoluene	0.200	0.500	ug/L
p-Isopropyltoluene	0.377	0.500	ug/L
sec-Butylbenzene	0.444	0.500	ug/L
Styrene	0.255	0.500	ug/L
tert-Butyl alcohol (TBA)	0.608	1.00	ug/L
tert-Butylbenzene	0.367	0.500	ug/L
Tetrachloroethylene	0.239	0.500	ug/L
Toluene	0.346	0.500	ug/L
trans-1,2-Dichloroethylene	0.279	0.500	ug/L
trans-1,3-Dichloropropylene	0.229	0.500	ug/L
Trichloroethylene	0.249	0.500	ug/L



3050

METHOD DETECTION AND REPORTING LIMITS

EPA 8260D

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: Water **Instrument:** VOA No. 10

Analyte	LOD	LOQ	Units
Trichlorofluoromethane	0.337	0.500	ug/L
Vinyl Chloride	0.469	0.500	ug/L
Xylenes, Total	0.839	1.50	ug/L



METHOD DETECTION AND REPORTING LIMITS

EPA 8260D

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: SOIL **Instrument:** VOA No. 5

Analyte	LOD	LOQ	Units
1,1,1,2-Tetrachloroethane	0.0025	0.0050	mg/kg
1,1,1-Trichloroethane	0.0025	0.0050	mg/kg
1,1,2,2-Tetrachloroethane	0.0025	0.0050	mg/kg
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0025	0.0050	mg/kg
1,1,2-Trichloroethane	0.0025	0.0050	mg/kg
1,1-Dichloroethane	0.0025	0.0050	mg/kg
1,1-Dichloroethylene	0.0025	0.0050	mg/kg
1,2,3-Trichlorobenzene	0.0025	0.0050	mg/kg
1,2,3-Trichloropropane	0.0025	0.0050	mg/kg
1,2,4-Trichlorobenzene	0.0025	0.0050	mg/kg
1,2,4-Trimethylbenzene	0.0025	0.0050	mg/kg
1,2-Dibromo-3-chloropropane	0.0025	0.0050	mg/kg
1,2-Dibromoethane	0.0025	0.0050	mg/kg
1,2-Dichlorobenzene	0.0025	0.0050	mg/kg
1,2-Dichloroethane	0.0025	0.0050	mg/kg
1,2-Dichloropropane	0.0025	0.0050	mg/kg
1,3,5-Trimethylbenzene	0.0025	0.0050	mg/kg
1,3-Dichlorobenzene	0.0025	0.0050	mg/kg
1,4-Dichlorobenzene	0.0025	0.0050	mg/kg
2-Butanone	0.0025	0.0050	mg/kg
2-Hexanone	0.0025	0.0050	mg/kg
4-Methyl-2-pentanone	0.0025	0.0050	mg/kg
Acetone	0.0050	0.010	mg/kg
Acrolein	0.0050	0.010	mg/kg
Acrylonitrile	0.0025	0.0050	mg/kg
Benzene	0.0025	0.0050	mg/kg
Bromochloromethane	0.0025	0.0050	mg/kg
Bromodichloromethane	0.0025	0.0050	mg/kg
Bromoform	0.0025	0.0050	mg/kg
Bromomethane	0.0025	0.0050	mg/kg
Carbon disulfide	0.0025	0.0050	mg/kg
Carbon tetrachloride	0.0025	0.0050	mg/kg
Chlorobenzene	0.0025	0.0050	mg/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8260D

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: SOIL **Instrument:** VOA No. 5

Analyte	LOD	LOQ	Units
Chloroethane	0.0025	0.0050	mg/kg
Chloroform	0.0025	0.0050	mg/kg
Chloromethane	0.0025	0.0050	mg/kg
cis-1,2-Dichloroethylene	0.0025	0.0050	mg/kg
cis-1,3-Dichloropropylene	0.0025	0.0050	mg/kg
Cyclohexane	0.0025	0.0050	mg/kg
Dibromochloromethane	0.0025	0.0050	mg/kg
Dibromomethane	0.0025	0.0050	mg/kg
Dichlorodifluoromethane	0.0025	0.0050	mg/kg
Ethyl Benzene	0.0025	0.0050	mg/kg
Hexachlorobutadiene	0.0025	0.0050	mg/kg
Isopropylbenzene	0.0025	0.0050	mg/kg
Methyl acetate	0.0025	0.0050	mg/kg
Methyl tert-butyl ether (MTBE)	0.0025	0.0050	mg/kg
Methylcyclohexane	0.0025	0.0050	mg/kg
Methylene chloride	0.0050	0.010	mg/kg
n-Butylbenzene	0.0025	0.0050	mg/kg
n-Propylbenzene	0.0025	0.0050	mg/kg
o-Xylene	0.0025	0.0050	mg/kg
p- & m- Xylenes	0.0050	0.010	mg/kg
p-Isopropyltoluene	0.0025	0.0050	mg/kg
sec-Butylbenzene	0.0025	0.0050	mg/kg
Styrene	0.0025	0.0050	mg/kg
tert-Butyl alcohol (TBA)	0.012	0.025	mg/kg
tert-Butylbenzene	0.0025	0.0050	mg/kg
Tetrachloroethylene	0.0025	0.0050	mg/kg
Toluene	0.0025	0.0050	mg/kg
trans-1,2-Dichloroethylene	0.0025	0.0050	mg/kg
trans-1,3-Dichloropropylene	0.0025	0.0050	mg/kg
trans-1,4-dichloro-2-butene	0.0025	0.0050	mg/kg
Trichloroethylene	0.0025	0.0050	mg/kg
Trichlorofluoromethane	0.0025	0.0050	mg/kg
Vinyl Chloride	0.0025	0.0050	mg/kg
Xylenes, Total	0.0075	0.015	mg/kg

Sample Information

Client Sample ID: **HVAC SW North-S-1** **Sample ID: 25H1535-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5035A

Results Reported to MDL

% Solids: 90.33

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
71-55-6	1,1,1-Trichloroethane	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
79-00-5	1,1,2-Trichloroethane	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
75-34-3	1,1-Dichloroethane	ND	IS-LO, QL-02, CCVE, ICVE	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
75-35-4	1,1-Dichloroethylene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
106-93-4	1,2-Dibromoethane	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
107-06-2	1,2-Dichloroethane	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
78-87-5	1,2-Dichloropropane	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
78-93-3	2-Butanone	ND	QL-02, ICVE, IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
591-78-6	2-Hexanone	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
108-10-1	4-Methyl-2-pentanone	ND	CCVE, IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
67-64-1	**Acetone**	0.22	CCVE, IS-LO, E	mg/kg dry	0.0038	0.0019	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
107-02-8	Acrolein	ND	IS-LO, CCVE	mg/kg dry	0.0038	0.0019	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
107-13-1	Acrylonitrile	ND	ICVE, IS-LO, CCVE	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
71-43-2	Benzene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
74-97-5	Bromochloromethane	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
75-27-4	Bromodichloromethane	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
75-25-2	Bromoform	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
74-83-9	Bromomethane	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
75-15-0	Carbon disulfide	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS

Sample Information

Client Sample ID: **HVAC SW North-S-1** **Sample ID: 25H1535-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5035A | Results Reported to MDL | % Solids: 90.33

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
108-90-7	Chlorobenzene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
75-00-3	Chloroethane	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
67-66-3	Chloroform	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
74-87-3	Chloromethane	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
156-59-2	cis-1,2-Dichloroethylene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
10061-01-5	cis-1,3-Dichloropropylene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
110-82-7	Cyclohexane	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
124-48-1	Dibromochloromethane	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
74-95-3	Dibromomethane	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
75-71-8	Dichlorodifluoromethane	ND	CCVE, IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
100-41-4	Ethyl Benzene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
87-68-3	Hexachlorobutadiene	ND	QL-02, IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
98-82-8	Isopropylbenzene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
79-20-9	Methyl acetate	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
108-87-2	Methylcyclohexane	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
75-09-2	*** Methylene chloride**	0.0024	IS-LO, J	mg/kg dry	0.0038	0.0019	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
104-51-8	n-Butylbenzene	ND	QL-02, IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
103-65-1	n-Propylbenzene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
95-47-6	o-Xylene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
179601-23-1	p- & m- Xylenes	ND	IS-LO	mg/kg dry	0.0038	0.0019	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
99-87-6	p-Isopropyltoluene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
135-98-8	sec-Butylbenzene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
100-42-5	Styrene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
75-65-0	tert-Butyl alcohol (TBA)	ND	IS-LO	mg/kg dry	0.0095	0.0047	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
98-06-6	tert-Butylbenzene	ND	IS-LO, QL-02	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
127-18-4	Tetrachloroethylene	ND	IS-LO, QL-02	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
108-88-3	Toluene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
156-60-5	trans-1,2-Dichloroethylene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
10061-02-6	trans-1,3-Dichloropropylene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
110-57-6	* trans-1,4-dichloro-2-butene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
79-01-6	Trichloroethylene	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
75-69-4	Trichlorofluoromethane	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
75-01-4	Vinyl Chloride	ND	IS-LO	mg/kg dry	0.0019	0.00095	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS

Sample Information

Client Sample ID: **HVAC SW North-S-1** **Sample ID: 25H1535-01**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5035A — Results Reported to MDL — % Solids: 90.33

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
1330-20-7	Xylenes, Total	ND	IS-LO	mg/kg dry	0.0057	0.0028	1	EPA 8260D	08/26/2025 08:50	08/26/2025 10:55	PRS
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*244 %*	IS-LO, S-08, S-03		*77-125*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.1 %*	IS-LO		*76-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*89.7 %*	IS-LO		*85-120*						

positive hit qualified J+:SR+

Sample Information

Client Sample ID: HVAC SW South-S-1 **Sample ID: 25H1535-02**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5035A | Results Reported to MDL | % Solids: 90.34

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
75-34-3	1,1-Dichloroethane	ND	CCVE, QL-02, ICVE	mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
78-93-3	2-Butanone	ND	QL-02, ICVE	mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
108-10-1	4-Methyl-2-pentanone	ND	CCVE	mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
67-64-1	**Acetone**	0.016	CCVE	mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
107-02-8	Acrolein	ND	CCVE	mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
107-13-1	Acrylonitrile	ND	CCVE, ICVE	mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS

Sample Information

Client Sample ID: **HVAC SW South-S-1** **Sample ID: 25H1535-02**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5035A | Results Reported to MDL | % Solids: 90.34

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
87-68-3	Hexachlorobutadiene	ND	QL-02	mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
75-09-2	* Methylene chloride	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
104-51-8	n-Butylbenzene	ND	QL-02	mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0041	0.0020	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.010	0.0051	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
98-06-6	tert-Butylbenzene	ND	QL-02	mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0010	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0061	0.0031	1	EPA 8260D	08/26/2025 08:50	08/26/2025 11:24	PRS
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*			*77-125*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*116 %*			*76-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*108 %*			*85-120*						



Sample Information

Client Sample ID: HVAC SW East-S-1 **Sample ID: 25H1535-03**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5035A | Results Reported to MDL | % Solids: 91.34

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
67-64-1	Acetone	ND		mg/kg dry	0.0039	0.0020	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
107-02-8	Acrolein	ND		mg/kg dry	0.0039	0.0020	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS

Sample Information

Client Sample ID: **HVAC SW East-S-1** **Sample ID: 25H1535-03**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5035A | Results Reported to MDL | % Solids: 91.34

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
75-71-8	Dichlorodifluoromethane	ND	ICVE	mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
75-09-2	* Methylene chloride	ND		mg/kg dry	0.0039	0.0020	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0039	0.0020	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0098	0.0049	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.00098	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0059	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 09:54	PRS
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*117 %*			*77-125*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*			*76-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*			*85-120*						



Sample Information

Client Sample ID: **HVAC SW West-S-1** **Sample ID: 25H1535-04**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5035A — Results Reported to MDL — % Solids: 90.62

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
78-93-3	2-Butanone	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
67-64-1	**Acetone**	0.021	QL-02, CCVE, ICVE	mg/kg dry	0.010	0.0050	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
107-02-8	Acrolein	ND		mg/kg dry	0.010	0.0050	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
71-43-2	Benzene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
75-25-2	Bromoform	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
74-83-9	Bromomethane	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
75-00-3	Chloroethane	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
67-66-3	Chloroform	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS

Sample Information

Client Sample ID: **HVAC SW West-S-1** **Sample ID: 25H1535-04**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5035A | Results Reported to MDL | % Solids: 90.62

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
75-71-8	Dichlorodifluoromethane	ND	ICVE	mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
75-09-2	* Methylene chloride	ND		mg/kg dry	0.010	0.0050	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
95-47-6	o-Xylene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.010	0.0050	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
100-42-5	Styrene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.025	0.012	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
108-88-3	Toluene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0050	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.015	0.0075	1	EPA 8260D	08/23/2025 07:52	08/23/2025 16:45	PRS
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*113 %*			*77-125*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*			*76-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*			*85-120*						

Sample Information

Client Sample ID: **HVAC Bottom 3 ft** **Sample ID: 25H1535-09**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5035A | Results Reported to MDL | % Solids: 91.50

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
78-93-3	2-Butanone	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
67-64-1	**Acetone**	0.018	QL-02, CCVE, ICVE	mg/kg dry	0.0098	0.0049	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
107-02-8	Acrolein	ND		mg/kg dry	0.0098	0.0049	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
71-43-2	Benzene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
75-25-2	Bromoform	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
74-83-9	Bromomethane	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
75-00-3	Chloroethane	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
67-66-3	Chloroform	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS

Sample Information

Client Sample ID: **HVAC Bottom 3 ft** **Sample ID: 25H1535-09**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5035A | Results Reported to MDL | % Solids: 91.50

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
75-71-8	Dichlorodifluoromethane	ND	ICVE	mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
75-09-2	* Methylene chloride	ND		mg/kg dry	0.0098	0.0049	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
95-47-6	o-Xylene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0098	0.0049	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
100-42-5	Styrene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.025	0.012	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
108-88-3	Toluene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0049	0.0025	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.015	0.0074	1	EPA 8260D	08/23/2025 07:52	08/23/2025 10:21	PRS
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*			*77-125*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*			*76-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*			*85-120*						



Sample Information

Client Sample ID: HVAC DUP **Sample ID: 25H1535-10**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5035A — Results Reported to MDL — % Solids: 88.88

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
78-93-3	2-Butanone	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
67-64-1	**Acetone**	0.031	QL-02, CCVE, ICVE	mg/kg dry	0.012	0.0058	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
107-02-8	Acrolein	ND		mg/kg dry	0.012	0.0058	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
71-43-2	Benzene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
75-25-2	Bromoform	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
74-83-9	Bromomethane	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
75-00-3	Chloroethane	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
67-66-3	Chloroform	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS

Sample Information

Client Sample ID: HVAC DUP **Sample ID: 25H1535-10**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5035A | Results Reported to MDL | % Solids: 88.88

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
75-71-8	Dichlorodifluoromethane	ND	ICVE	mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
75-09-2	* Methylene chloride	ND		mg/kg dry	0.012	0.0058	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
95-47-6	o-Xylene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.012	0.0058	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
100-42-5	Styrene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.029	0.014	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
108-88-3	Toluene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0058	0.0029	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.017	0.0087	1	EPA 8260D	08/23/2025 07:52	08/23/2025 11:43	PRS
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*124 %*			*77-125*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*			*76-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*			*85-120*						



Sample Information

Client Sample ID: **Trip Blank** **Sample ID: 25H1535-11**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 3:00 pm	08/21/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5030B

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.500	0.216	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.500	0.266	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.500	0.256	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.500	0.286	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.500	0.249	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.500	0.272	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.500	0.327	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.500	0.222	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.500	0.273	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.500	0.138	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.500	0.310	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.500	0.432	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.500	0.215	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.500	0.270	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.500	0.377	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.500	0.327	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.500	0.347	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.500	0.283	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
142-28-9	1,3-Dichloropropane	ND		ug/L	0.500	0.260	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.500	0.311	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
78-93-3	2-Butanone	ND		ug/L	0.500	0.421	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
591-78-6	2-Hexanone	ND		ug/L	0.500	0.320	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.500	0.365	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
67-64-1	**Acetone**	1.69	J	ug/L	2.00	1.34	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
107-02-8	Acrolein	ND	CCVE	ug/L	0.500	0.447	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
107-13-1	Acrylonitrile	ND		ug/L	0.500	0.422	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
71-43-2	Benzene	ND		ug/L	0.500	0.279	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
74-97-5	Bromochloromethane	ND		ug/L	0.500	0.354	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
75-27-4	Bromodichloromethane	ND		ug/L	0.500	0.245	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
75-25-2	Bromoform	ND		ug/L	0.500	0.163	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
74-83-9	Bromomethane	ND	CCVE	ug/L	2.00	0.500	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
75-15-0	Carbon disulfide	ND		ug/L	0.500	0.362	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
56-23-5	Carbon tetrachloride	ND		ug/L	0.500	0.204	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
108-90-7	Chlorobenzene	ND		ug/L	0.500	0.284	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
75-00-3	Chloroethane	ND		ug/L	0.500	0.448	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
67-66-3	Chloroform	ND		ug/L	0.500	0.243	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB

Sample Information

Client Sample ID: **Trip Blank** **Sample ID: 25H1535-11**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 3:00 pm	08/21/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5030B

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/L	0.500	0.372	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.500	0.294	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.500	0.262	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
110-82-7	Cyclohexane	ND		ug/L	0.500	0.491	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
124-48-1	Dibromochloromethane	ND		ug/L	0.500	0.146	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
74-95-3	Dibromomethane	ND		ug/L	0.500	0.203	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.500	0.451	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
100-41-4	Ethyl Benzene	ND		ug/L	0.500	0.290	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.241	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
98-82-8	Isopropylbenzene	ND		ug/L	0.500	0.405	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
79-20-9	Methyl acetate	ND		ug/L	0.500	0.442	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	CCVE	ug/L	0.500	0.244	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
108-87-2	Methylcyclohexane	ND		ug/L	0.500	0.477	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
75-09-2	Methylene chloride	ND	CCVE	ug/L	2.00	0.397	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
91-20-3	Naphthalene	ND		ug/L	2.00	0.212	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
104-51-8	n-Butylbenzene	ND		ug/L	0.500	0.399	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
103-65-1	n-Propylbenzene	ND		ug/L	0.500	0.384	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
95-47-6	o-Xylene	ND		ug/L	0.500	0.261	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
179601-23-1	p- & m- Xylenes	ND		ug/L	1.00	0.578	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
105-05-5	* p-Diethylbenzene	ND		ug/L	0.500	0.341	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
622-96-8	* p-Ethyltoluene	ND		ug/L	0.500	0.200	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.500	0.377	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
135-98-8	sec-Butylbenzene	ND		ug/L	0.500	0.444	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
100-42-5	Styrene	ND		ug/L	0.500	0.255	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	1.00	0.608	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
98-06-6	tert-Butylbenzene	ND		ug/L	0.500	0.367	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.500	0.239	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
108-88-3	Toluene	ND		ug/L	0.500	0.346	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.500	0.279	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.500	0.229	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
79-01-6	Trichloroethylene	ND		ug/L	0.500	0.249	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.500	0.337	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
75-01-4	Vinyl Chloride	ND		ug/L	0.500	0.469	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
1330-20-7	Xylenes, Total	ND		ug/L	1.50	0.839	1	EPA 8260D	08/24/2025 07:00	08/25/2025 05:44	PMB
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*91.5 %*			*69-130*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*			*79-122*						

Sample Information

Client Sample ID: **Trip Blank** **Sample ID: 25H1535-11**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 3:00 pm	08/21/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5030B

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.8%*			*81-117*						

sample 4, 9, and 10 qualified J+:BT for acetone.

All other samples >10x limit so no qual

Sample Information

Client Sample ID: **Field Blank** **Sample ID: 25H1535-12**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 2:30 pm	08/21/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5030B

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.500	0.216	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.500	0.266	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.500	0.256	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.500	0.286	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.500	0.249	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.500	0.272	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.500	0.327	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.500	0.222	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.500	0.273	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.500	0.138	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.500	0.310	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.500	0.432	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.500	0.215	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.500	0.270	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.500	0.377	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.500	0.327	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.500	0.347	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.500	0.283	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
142-28-9	1,3-Dichloropropane	ND		ug/L	0.500	0.260	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.500	0.311	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
78-93-3	2-Butanone	ND		ug/L	0.500	0.421	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
591-78-6	2-Hexanone	ND		ug/L	0.500	0.320	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.500	0.365	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
67-64-1	Acetone	ND		ug/L	2.00	1.34	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
107-02-8	Acrolein	ND	CCVE	ug/L	0.500	0.447	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
107-13-1	Acrylonitrile	ND		ug/L	0.500	0.422	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
71-43-2	Benzene	ND		ug/L	0.500	0.279	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
74-97-5	Bromochloromethane	ND		ug/L	0.500	0.354	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
75-27-4	Bromodichloromethane	ND		ug/L	0.500	0.245	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
75-25-2	Bromoform	ND		ug/L	0.500	0.163	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
74-83-9	Bromomethane	ND	CCVE	ug/L	2.00	0.500	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
75-15-0	Carbon disulfide	ND		ug/L	0.500	0.362	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
56-23-5	Carbon tetrachloride	ND		ug/L	0.500	0.204	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
108-90-7	Chlorobenzene	ND		ug/L	0.500	0.284	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
75-00-3	Chloroethane	ND		ug/L	0.500	0.448	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
67-66-3	**Chloroform**	3.94		ug/L	0.500	0.243	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB

samples ND for chloroform so no qual

Sample Information

Client Sample ID: **Field Blank** **Sample ID: 25H1535-12**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 2:30 pm	08/21/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5030B

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
74-87-3	Chloromethane	ND	CCVE	ug/L	0.500	0.372	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.500	0.294	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.500	0.262	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
110-82-7	Cyclohexane	ND		ug/L	0.500	0.491	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
124-48-1	Dibromochloromethane	ND		ug/L	0.500	0.146	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
74-95-3	Dibromomethane	ND		ug/L	0.500	0.203	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.500	0.451	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
100-41-4	Ethyl Benzene	ND		ug/L	0.500	0.290	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.241	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
98-82-8	Isopropylbenzene	ND		ug/L	0.500	0.405	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
79-20-9	Methyl acetate	ND		ug/L	0.500	0.442	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.500	0.244	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
108-87-2	Methylcyclohexane	ND		ug/L	0.500	0.477	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
75-09-2	Methylene chloride	ND	CCVE	ug/L	2.00	0.397	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
91-20-3	Naphthalene	ND		ug/L	2.00	0.212	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
104-51-8	n-Butylbenzene	ND		ug/L	0.500	0.399	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
103-65-1	n-Propylbenzene	ND		ug/L	0.500	0.384	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
95-47-6	o-Xylene	ND		ug/L	0.500	0.261	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
179601-23-1	p- & m- Xylenes	ND		ug/L	1.00	0.578	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
105-05-5	* p-Diethylbenzene	ND		ug/L	0.500	0.341	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
622-96-8	* p-Ethyltoluene	ND		ug/L	0.500	0.200	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.500	0.377	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
135-98-8	sec-Butylbenzene	ND		ug/L	0.500	0.444	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
100-42-5	Styrene	ND		ug/L	0.500	0.255	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	1.00	0.608	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
98-06-6	tert-Butylbenzene	ND		ug/L	0.500	0.367	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
127-18-4	Tetrachloroethylene	ND		ug/L	0.500	0.239	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
108-88-3	Toluene	ND		ug/L	0.500	0.346	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.500	0.279	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.500	0.229	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
79-01-6	Trichloroethylene	ND		ug/L	0.500	0.249	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.500	0.337	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
75-01-4	Vinyl Chloride	ND	CCVE	ug/L	0.500	0.469	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
1330-20-7	Xylenes, Total	ND		ug/L	1.50	0.839	1	EPA 8260D	08/25/2025 07:23	08/26/2025 04:43	PMB
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.2 %*			*69-130*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*90.7 %*			*79-122*						

Sample Information

Client Sample ID: **Field Blank** **Sample ID: 25H1535-12**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Water	August 20, 2025 2:30 pm	08/21/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5030B

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
2037-26-5	*Surrogate: SURR: Toluene-d8*	*107 %*			*81-117*						

surrogate recoveries evaluated on sample result forms

FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Sequence: S5H2516
Instrument: VOA No. 5
Batch: BH51799
Calibration: SH50025

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BH51799-BS1)			Lab File ID: V5449472.D		Analyzed: 08/23/25 08:32			
SURR: 1,2-Dichloroethane-d4	50.0	108	77 - 125	5.622	5.620333	0.0017	+/-0.50	
SURR: Toluene-d8	50.0	104	85 - 120	7.445	7.445667	-0.0007	+/-0.50	
SURR: p-Bromofluorobenzene	50.0	103	76 - 130	10.21	10.20867	0.0013	+/-0.50	
LCS Dup (BH51799-BSD1)			Lab File ID: V5449473.D		Analyzed: 08/23/25 08:59			
SURR: 1,2-Dichloroethane-d4	50.0	106	77 - 125	5.625	5.620333	0.0047	+/-0.50	
SURR: Toluene-d8	50.0	105	85 - 120	7.448	7.445667	0.0023	+/-0.50	
SURR: p-Bromofluorobenzene	50.0	102	76 - 130	10.21	10.20867	0.0013	+/-0.50	
Blank (BH51799-BLK1)			Lab File ID: V5449474.D		Analyzed: 08/23/25 09:26			
SURR: 1,2-Dichloroethane-d4	50.0	108	77 - 125	5.622	5.620333	0.0017	+/-0.50	
SURR: Toluene-d8	50.0	103	85 - 120	7.448	7.445667	0.0023	+/-0.50	
SURR: p-Bromofluorobenzene	50.0	106	76 - 130	10.213	10.20867	0.0043	+/-0.50	
HVAC SW East-S-1 (25H1535-03)			Lab File ID: V5449475.D		Analyzed: 08/23/25 09:54			
SURR: 1,2-Dichloroethane-d4	50.0	117	77 - 125	5.625	5.620333	0.0047	+/-0.50	
SURR: Toluene-d8	50.0	104	85 - 120	7.451	7.445667	0.0053	+/-0.50	
SURR: p-Bromofluorobenzene	50.0	107	76 - 130	10.213	10.20867	0.0043	+/-0.50	
HVAC Bottom 3 ft (25H1535-09)			Lab File ID: V5449476.D		Analyzed: 08/23/25 10:21			
SURR: 1,2-Dichloroethane-d4	50.0	110	77 - 125	5.622	5.620333	0.0017	+/-0.50	
SURR: Toluene-d8	50.0	104	85 - 120	7.448	7.445667	0.0023	+/-0.50	
SURR: p-Bromofluorobenzene	50.0	104	76 - 130	10.21	10.20867	0.0013	+/-0.50	
Matrix Spike (BH51799-MS1)			Lab File ID: V5449477.D		Analyzed: 08/23/25 10:48			
SURR: 1,2-Dichloroethane-d4	50.0	110	77 - 125	5.622	5.620333	0.0017	+/-0.50	
SURR: Toluene-d8	50.0	105	85 - 120	7.448	7.445667	0.0023	+/-0.50	
SURR: p-Bromofluorobenzene	50.0	105	76 - 130	10.21	10.20867	0.0013	+/-0.50	
Matrix Spike Dup (BH51799-MSD1)			Lab File ID: V5449478.D		Analyzed: 08/23/25 11:16			
SURR: 1,2-Dichloroethane-d4	50.0	109	77 - 125	5.625	5.620333	0.0047	+/-0.50	
SURR: Toluene-d8	50.0	105	85 - 120	7.448	7.445667	0.0023	+/-0.50	
SURR: p-Bromofluorobenzene	50.0	104	76 - 130	10.21	10.20867	0.0013	+/-0.50	
HVAC DUP (25H1535-10)			Lab File ID: V5449479.D		Analyzed: 08/23/25 11:43			
SURR: 1,2-Dichloroethane-d4	50.0	124	77 - 125	5.622	5.620333	0.0017	+/-0.50	
SURR: Toluene-d8	50.0	102	85 - 120	7.448	7.445667	0.0023	+/-0.50	
SURR: p-Bromofluorobenzene	50.0	101	76 - 130	10.213	10.20867	0.0043	+/-0.50	

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2516	Instrument:	VOA No. 5
Batch:	BH51799	Calibration:	SH50025

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
HVAC SW West-S-1 (25H1535-04)			Lab File ID: V5449490.D		Analyzed: 08/23/25 16:45			
SURR: 1,2-Dichloroethane-d4	50.0	113	77 - 125	5.622	5.620333	0.0017	+/-0.50	
SURR: Toluene-d8	50.0	104	85 - 120	7.448	7.445667	0.0023	+/-0.50	
SURR: p-Bromofluorobenzene	50.0	103	76 - 130	10.21	10.20867	0.0013	+/-0.50	

surrogate recoveries evaluated on sample result forms

FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2528	Instrument:	VOA No. 10
Batch:	BH51827	Calibration:	SH50039

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BH51827-BS1)			Lab File ID: V10C14602.D		Analyzed: 08/25/25 02:24			
SURR: 1,2-Dichloroethane-d4	10.0	91.7	69 - 130	5.687	5.6876	-0.0006	+/-0.50	
SURR: Toluene-d8	10.0	98.9	81 - 117	7.48	7.4794	0.0006	+/-0.50	
SURR: p-Bromofluorobenzene	10.0	104	79 - 122	10.26	10.261	-0.0010	+/-0.50	
LCS Dup (BH51827-BSD1)			Lab File ID: V10C14603.D		Analyzed: 08/25/25 02:52			
SURR: 1,2-Dichloroethane-d4	10.0	91.1	69 - 130	5.687	5.6876	-0.0006	+/-0.50	
SURR: Toluene-d8	10.0	98.3	81 - 117	7.48	7.4794	0.0006	+/-0.50	
SURR: p-Bromofluorobenzene	10.0	104	79 - 122	10.266	10.261	0.0050	+/-0.50	
Blank (BH51827-BLK1)			Lab File ID: V10C14606.D		Analyzed: 08/25/25 04:18			
SURR: 1,2-Dichloroethane-d4	10.0	96.2	69 - 130	5.687	5.6876	-0.0006	+/-0.50	
SURR: Toluene-d8	10.0	99.2	81 - 117	7.479	7.4794	-0.0004	+/-0.50	
SURR: p-Bromofluorobenzene	10.0	104	79 - 122	10.266	10.261	0.0050	+/-0.50	
Trip Blank (25H1535-11)			Lab File ID: V10C14609.D		Analyzed: 08/25/25 05:44			
SURR: 1,2-Dichloroethane-d4	10.0	91.5	69 - 130	5.687	5.6876	-0.0006	+/-0.50	
SURR: Toluene-d8	10.0	99.8	81 - 117	7.48	7.4794	0.0006	+/-0.50	
SURR: p-Bromofluorobenzene	10.0	106	79 - 122	10.266	10.261	0.0050	+/-0.50	

surrogate recoveries evaluated on sample result forms

FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Sequence: S5H2613
Instrument: VOA No. 10
Batch: BH51891
Calibration: SH50039

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BH51891-BS1)			Lab File ID: V10C14651.D		Analyzed: 08/26/25 01:52			
SURR: 1,2-Dichloroethane-d4	10.0	96.4	69 - 130	5.687	5.6876	-0.0006	+/-0.50	
SURR: Toluene-d8	10.0	110	81 - 117	7.479	7.4794	-0.0004	+/-0.50	
SURR: p-Bromofluorobenzene	10.0	90.8	79 - 122	10.259	10.261	-0.0020	+/-0.50	
LCS Dup (BH51891-BSD1)			Lab File ID: V10C14652.D		Analyzed: 08/26/25 02:20			
SURR: 1,2-Dichloroethane-d4	10.0	99.4	69 - 130	5.687	5.6876	-0.0006	+/-0.50	
SURR: Toluene-d8	10.0	109	81 - 117	7.479	7.4794	-0.0004	+/-0.50	
SURR: p-Bromofluorobenzene	10.0	88.5	79 - 122	10.265	10.261	0.0040	+/-0.50	
Blank (BH51891-BLK1)			Lab File ID: V10C14654.D		Analyzed: 08/26/25 03:17			
SURR: 1,2-Dichloroethane-d4	10.0	98.0	69 - 130	5.687	5.6876	-0.0006	+/-0.50	
SURR: Toluene-d8	10.0	111	81 - 117	7.479	7.4794	-0.0004	+/-0.50	
SURR: p-Bromofluorobenzene	10.0	90.8	79 - 122	10.265	10.261	0.0040	+/-0.50	
Field Blank (25H1535-12)			Lab File ID: V10C14657.D		Analyzed: 08/26/25 04:43			
SURR: 1,2-Dichloroethane-d4	10.0	98.2	69 - 130	5.687	5.6876	-0.0006	+/-0.50	
SURR: Toluene-d8	10.0	107	81 - 117	7.48	7.4794	0.0006	+/-0.50	
SURR: p-Bromofluorobenzene	10.0	90.7	79 - 122	10.266	10.261	0.0050	+/-0.50	

surrogate recoveries evaluated on sample result forms

FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Sequence: S5H2620
Instrument: MS VOA 2
Batch: BH51909
Calibration: SH50043

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BH51909-BS1)			Lab File ID: V2-637378.D		Analyzed: 08/26/25 08:03			
SURR: 1,2-Dichloroethane-d4	50.0	101	77 - 125	5.065	5.071667	-0.0067	+/-0.50	
SURR: Toluene-d8	50.0	101	85 - 120	6.711	6.715	-0.0040	+/-0.50	
SURR: p-Bromofluorobenzene	50.0	107	76 - 130	9.466	9.466	0.0000	+/-0.50	
LCS Dup (BH51909-BSD1)			Lab File ID: V2-637379.D		Analyzed: 08/26/25 08:32			
SURR: 1,2-Dichloroethane-d4	50.0	100	77 - 125	5.071	5.071667	-0.0007	+/-0.50	
SURR: Toluene-d8	50.0	101	85 - 120	6.711	6.715	-0.0040	+/-0.50	
SURR: p-Bromofluorobenzene	50.0	106	76 - 130	9.466	9.466	0.0000	+/-0.50	
Blank (BH51909-BLK1)			Lab File ID: V2-637380.D		Analyzed: 08/26/25 09:00			
SURR: 1,2-Dichloroethane-d4	50.0	103	77 - 125	5.071	5.071667	-0.0007	+/-0.50	
SURR: Toluene-d8	50.0	108	85 - 120	6.711	6.715	-0.0040	+/-0.50	
SURR: p-Bromofluorobenzene	50.0	114	76 - 130	9.466	9.466	0.0000	+/-0.50	
HVAC SW North-S-1 (25H1535-01)			Lab File ID: V2-637384.D		Analyzed: 08/26/25 10:55			
SURR: 1,2-Dichloroethane-d4	50.0	244	77 - 125	5.065	5.071667	-0.0067	+/-0.50	*
SURR: Toluene-d8	50.0	89.7	85 - 120	6.717	6.715	0.0020	+/-0.50	
SURR: p-Bromofluorobenzene	50.0	99.1	76 - 130	9.46	9.466	-0.0060	+/-0.50	
HVAC SW South-S-1 (25H1535-02)			Lab File ID: V2-637385.D		Analyzed: 08/26/25 11:24			
SURR: 1,2-Dichloroethane-d4	50.0	109	77 - 125	5.071	5.071667	-0.0007	+/-0.50	
SURR: Toluene-d8	50.0	108	85 - 120	6.717	6.715	0.0020	+/-0.50	
SURR: p-Bromofluorobenzene	50.0	116	76 - 130	9.466	9.466	0.0000	+/-0.50	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260D

HVAC Bottom 3 ft

Laboratory: ALS Environmental - Stratford
SDG: 25H1535 evaluated for qualification only
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Matrix: Soil
Batch: BH51799
Laboratory ID: BH51799-MS1
Preparation: EPA 5035A
Initial/Final: 4.98 g / 5 ml
Source Sample Name: 25H1535-09

COMPOUND	SPIKE ADDED ppb	SAMPLE CONCENTRATION ppb	MS CONCENTRATION ppb	MS % REC. #	QC LIMITS REC.	Q
1,1,1,2-Tetrachloroethane	50.0	0.00	42.7	85.4	15 - 161	
1,1,1-Trichloroethane	50.0	0.00	45.3	90.7	42 - 145	
1,1,2,2-Tetrachloroethane	50.0	0.00	48.2	96.4	16 - 167	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	0.00	47.1	94.2	11 - 160	
1,1,2-Trichloroethane	50.0	0.00	49.5	99.1	44 - 145	
1,1-Dichloroethane	50.0	0.00	46.0	92.0	46 - 142	
1,1-Dichloroethylene	50.0	0.00	49.9	99.8	30 - 153	
1,2,3-Trichlorobenzene	50.0	0.00	37.2	74.4	10 - 157	
1,2,3-Trichloropropane	50.0	0.00	51.2	102	38 - 155	
1,2,4-Trichlorobenzene	50.0	0.00	39.0	78.0	10 - 151	
1,2,4-Trimethylbenzene	50.0	0.00	46.8	93.6	10 - 170	
1,2-Dibromo-3-chloropropane	50.0	0.00	40.8	81.6	36 - 138	
1,2-Dibromoethane	50.0	0.00	50.8	102	40 - 142	
1,2-Dichlorobenzene	50.0	0.00	42.3	84.6	10 - 147	
1,2-Dichloroethane	50.0	0.00	47.8	95.6	48 - 133	
1,2-Dichloropropane	50.0	0.00	45.0	90.0	47 - 141	
1,3,5-Trimethylbenzene	50.0	0.00	47.0	94.1	10 - 150	
1,3-Dichlorobenzene	50.0	0.00	42.8	85.6	10 - 144	
1,4-Dichlorobenzene	50.0	0.00	44.1	88.3	10 - 160	
2-Butanone	50.0	1.13	55.6	109	10 - 189	
2-Hexanone	50.0	0.00	52.3	105	10 - 181	
4-Methyl-2-pentanone	50.0	0.00	46.8	93.5	10 - 166	
Acetone	50.0	16.1	98.1	164	10 - 196	
Acrolein	50.0	0.00	51.9	104	10 - 192	
Acrylonitrile	50.0	0.00	54.3	109	13 - 161	
Benzene	50.0	0.00	44.5	88.9	43 - 139	
Bromochloromethane	50.0	0.00	45.2	90.5	38 - 145	
Bromodichloromethane	50.0	0.00	45.2	90.5	38 - 147	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260D

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51799	Laboratory ID:	BH51799-MS1
Preparation:	EPA 5035A	Initial/Final:	4.98 g / 5 ml

Source Sample Name: 25H1535-09

COMPOUND	SPIKE ADDED ppb	SAMPLE CONCENTRATION ppb	MS CONCENTRATION ppb	MS % REC. #	QC LIMITS REC.	Q
Bromoform	50.0	0.00	42.1	84.1	29 - 156	
Bromomethane	50.0	0.00	36.0	72.0	10 - 166	
Carbon disulfide	50.0	0.00	45.3	90.5	10 - 131	
Carbon tetrachloride	50.0	0.00	42.5	84.9	35 - 145	
Chlorobenzene	50.0	0.00	45.4	90.8	21 - 154	
Chloroethane	50.0	0.00	45.7	91.5	15 - 160	
Chloroform	50.0	0.00	46.1	92.2	47 - 142	
Chloromethane	50.0	0.00	34.0	67.9	10 - 159	
cis-1,2-Dichloroethylene	50.0	0.00	46.6	93.2	42 - 144	
cis-1,3-Dichloropropylene	50.0	0.00	42.1	84.1	18 - 159	
Cyclohexane	50.0	0.00	41.1	82.2	70 - 130	
Dibromochloromethane	50.0	0.00	44.3	88.5	10 - 179	
Dibromomethane	50.0	0.00	48.4	96.8	47 - 143	
Dichlorodifluoromethane	50.0	0.00	40.9	81.8	10 - 145	
Ethyl Benzene	50.0	0.00	48.3	96.6	11 - 158	
Hexachlorobutadiene	50.0	0.00	35.5	71.1	10 - 158	
Isopropylbenzene	50.0	0.00	42.8	85.7	10 - 162	
Methyl acetate sample ND so no qual	50.0	0.00	85.0	170 *	10 - 149	
Methyl tert-butyl ether (MTBE)	50.0	0.00	49.0	98.0	42 - 152	
Methylcyclohexane	50.0	0.00	40.4	80.7	70 - 130	
Methylene chloride	50.0	0.00	45.5	91.1	28 - 151	
n-Butylbenzene	50.0	0.00	42.0	84.1	10 - 162	
n-Propylbenzene	50.0	0.00	45.6	91.2	10 - 155	
o-Xylene	50.0	0.00	45.5	91.0	10 - 158	
p- & m- Xylenes	100	0.00	96.0	96.0	10 - 156	
p-Isopropyltoluene	50.0	0.00	43.0	85.9	10 - 147	
sec-Butylbenzene	50.0	0.00	44.1	88.2	10 - 157	
Styrene	50.0	0.00	42.6	85.1	13 - 171	
tert-Butyl alcohol (TBA)	250	0.00	263	105	34 - 179	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260D

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51799	Laboratory ID:	BH51799-MS1
Preparation:	EPA 5035A	Initial/Final:	4.98 g / 5 ml

Source Sample Name: 25H1535-09

COMPOUND	SPIKE ADDED ppb	SAMPLE CONCENTRATION ppb	MS CONCENTRATION ppb	MS % REC. #	QC LIMITS REC.	Q
tert-Butylbenzene	50.0	0.00	41.1	82.2	10 - 160	
Tetrachloroethylene	50.0	0.00	39.4	78.7	30 - 167	
Toluene	50.0	0.00	47.3	94.5	21 - 160	
trans-1,2-Dichloroethylene	50.0	0.00	48.1	96.3	29 - 153	
trans-1,3-Dichloropropylene	50.0	0.00	41.7	83.5	18 - 155	
trans-1,4-dichloro-2-butene	50.0	0.00	48.2	96.3	17 - 154	
Trichloroethylene	50.0	0.00	45.4	90.7	24 - 169	
Trichlorofluoromethane	50.0	0.00	48.9	97.9	35 - 142	
Vinyl Chloride	50.0	0.00	40.1	80.1	12 - 160	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260D

HVAC Bottom 3 ft

eval for qualification only

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Matrix: Soil
Batch: BH51799
Laboratory ID: BH51799-MSD1
Preparation: EPA 5035A
Initial/Final: 4.94 g / 5 ml
Source Sample Name: 25H1535-09

COMPOUND	SPIKE ADDED ppb	MSD CONCENTRATION ppb	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
1,1,1,2-Tetrachloroethane	50.0	41.2	82.4	3.48	33	15 - 161	
1,1,1-Trichloroethane	50.0	44.0	88.1	2.89	30	42 - 145	
1,1,2,2-Tetrachloroethane	50.0	46.8	93.5	2.99	56	16 - 167	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	44.1	88.2	6.58	31	11 - 160	
1,1,2-Trichloroethane	50.0	48.3	96.6	2.56	40	44 - 145	
1,1-Dichloroethane	50.0	44.7	89.3	2.93	36	46 - 142	
1,1-Dichloroethylene	50.0	47.3	94.6	5.35	31	30 - 153	
1,2,3-Trichlorobenzene	50.0	34.3	68.5	8.23	47	10 - 157	
1,2,3-Trichloropropane	50.0	50.5	101	1.48	48	38 - 155	
1,2,4-Trichlorobenzene	50.0	35.8	71.5	8.59	52	10 - 151	
1,2,4-Trimethylbenzene	50.0	44.1	88.1	6.05	242	10 - 170	
1,2-Dibromo-3-chloropropane	50.0	40.1	80.2	1.63	54	36 - 138	
1,2-Dibromoethane	50.0	49.6	99.2	2.53	39	40 - 142	
1,2-Dichlorobenzene	50.0	40.5	81.1	4.25	52	10 - 147	
1,2-Dichloroethane	50.0	46.4	92.9	2.89	32	48 - 133	
1,2-Dichloropropane	50.0	44.0	88.0	2.34	37	47 - 141	
1,3,5-Trimethylbenzene	50.0	43.9	87.9	6.84	62	10 - 150	
1,3-Dichlorobenzene	50.0	40.6	81.1	5.42	51	10 - 144	
1,4-Dichlorobenzene	50.0	42.7	85.3	3.41	52	10 - 160	
2-Butanone	50.0	55.6	109	0.0719	67	10 - 189	
2-Hexanone	50.0	52.2	104	0.172	60	10 - 181	
4-Methyl-2-pentanone	50.0	46.7	93.4	0.107	47	10 - 166	
Acetone	50.0	99.3	167	1.18	150	10 - 196	
Acrolein	50.0	49.7	99.4	4.41	128	10 - 192	
Acrylonitrile	50.0	54.7	109	0.771	48	13 - 161	
Benzene	50.0	43.7	87.5	1.66	64	43 - 139	
Bromochloromethane	50.0	44.3	88.6	2.08	30	38 - 145	
Bromodichloromethane	50.0	44.2	88.4	2.33	37	38 - 147	
Bromoform	50.0	42.1	84.3	0.166	51	29 - 156	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260D

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51799	Laboratory ID:	BH51799-MSD1
Preparation:	EPA 5035A	Initial/Final:	4.94 g / 5 ml

Source Sample Name: 25H1535-09

COMPOUND	SPIKE ADDED ppb	MSD CONCENTRATION ppb	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
Bromomethane	50.0	35.1	70.2	2.47	42	10 - 166	
Carbon disulfide	50.0	42.9	85.7	5.47	36	10 - 131	
Carbon tetrachloride	50.0	40.7	81.4	4.31	31	35 - 145	
Chlorobenzene	50.0	43.9	87.7	3.41	32	21 - 154	
Chloroethane	50.0	44.6	89.2	2.52	40	15 - 160	
Chloroform	50.0	44.9	89.8	2.73	29	47 - 142	
Chloromethane	50.0	32.2	64.4	5.29	31	10 - 159	
cis-1,2-Dichloroethylene	50.0	44.9	89.8	3.72	30	42 - 144	
cis-1,3-Dichloropropylene	50.0	41.1	82.2	2.36	39	18 - 159	
Cyclohexane	50.0	38.5	77.0	6.56	30	70 - 130	
Dibromochloromethane	50.0	42.9	85.9	3.05	41	10 - 179	
Dibromomethane	50.0	46.6	93.1	3.85	41	47 - 143	
Dichlorodifluoromethane	50.0	37.5	74.9	8.73	34	10 - 145	
Ethyl Benzene	50.0	45.9	91.7	5.14	42	11 - 158	
Hexachlorobutadiene	50.0	26.7	53.5	28.3	45	10 - 158	
Isopropylbenzene	50.0	40.0	80.1	6.73	57	10 - 162	
Methyl acetate sample ND so no qual	50.0	84.4	169 *	0.638	64	10 - 149	
Methyl tert-butyl ether (MTBE)	50.0	48.3	96.6	1.44	47	42 - 152	
Methylcyclohexane	50.0	35.7	71.3	12.4	30	70 - 130	
Methylene chloride	50.0	43.8	87.6	3.87	49	28 - 151	
n-Butylbenzene	50.0	37.1	74.2	12.5	96	10 - 162	
n-Propylbenzene	50.0	42.6	85.1	6.89	56	10 - 155	
o-Xylene	50.0	43.5	87.1	4.36	51	10 - 158	
p- & m- Xylenes	100	91.0	91.0	5.41	47	10 - 156	
p-Isopropyltoluene	50.0	38.6	77.3	10.5	60	10 - 147	
sec-Butylbenzene	50.0	39.6	79.1	10.8	56	10 - 157	
Styrene	50.0	41.1	82.1	3.56	39	13 - 171	
tert-Butyl alcohol (TBA)	250	266	107	1.24	35	34 - 179	
tert-Butylbenzene	50.0	37.8	75.6	8.32	79	10 - 160	
Tetrachloroethylene	50.0	36.7	73.4	6.97	33	30 - 167	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260D

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51799	Laboratory ID:	BH51799-MSD1
Preparation:	EPA 5035A	Initial/Final:	4.94 g / 5 ml

Source Sample Name: 25H1535-09

COMPOUND	SPIKE ADDED ppb	MSD CONCENTRATION ppb	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
Toluene	50.0	46.3	92.7	2.01	50	21 - 160	
trans-1,2-Dichloroethylene	50.0	46.2	92.4	4.05	30	29 - 153	
trans-1,3-Dichloropropylene	50.0	41.0	82.0	1.79	30	18 - 155	
trans-1,4-dichloro-2-butene	50.0	47.8	95.5	0.834	30	17 - 154	
Trichloroethylene	50.0	44.3	88.7	2.30	30	24 - 169	
Trichlorofluoromethane	50.0	46.0	92.1	6.11	30	35 - 142	
Vinyl Chloride	50.0	38.7	77.4	3.48	35	12 - 160	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Matrix: Soil
Batch: BH51799
assoc 3,4,9,10
Laboratory ID: BH51799-BS1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.	Q
1,1,1,2-Tetrachloroethane	50.0	44.2	88.4	75 - 129	
1,1,1-Trichloroethane	50.0	45.2	90.3	71 - 137	
1,1,2,2-Tetrachloroethane	50.0	51.5	103	79 - 129	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	46.9	93.8	58 - 146	
1,1,2-Trichloroethane	50.0	50.5	101	83 - 123	
1,1-Dichloroethane	50.0	44.9	89.8	75 - 130	
1,1-Dichloroethylene	50.0	48.9	97.8	64 - 137	
1,2,3-Trichlorobenzene	50.0	47.5	95.0	81 - 140	
1,2,3-Trichloropropane	50.0	52.4	105	81 - 126	
1,2,4-Trichlorobenzene	50.0	49.5	98.9	80 - 141	
1,2,4-Trimethylbenzene	50.0	52.3	105	84 - 125	
1,2-Dibromo-3-chloropropane	50.0	45.2	90.4	74 - 142	
1,2-Dibromoethane	50.0	52.3	105	86 - 123	
1,2-Dichlorobenzene	50.0	48.6	97.2	85 - 122	
1,2-Dichloroethane	50.0	46.7	93.4	71 - 133	
1,2-Dichloropropane	50.0	45.8	91.6	81 - 122	
1,3,5-Trimethylbenzene	50.0	52.4	105	82 - 126	
1,3-Dichlorobenzene	50.0	48.7	97.3	84 - 124	
1,4-Dichlorobenzene	50.0	50.6	101	84 - 124	
2-Butanone	50.0	58.3	117	58 - 147	
2-Hexanone	50.0	56.7	113	70 - 139	
4-Methyl-2-pentanone	50.0	49.7	99.3	72 - 132	
Acetone	50.0	84.2	168 *	36 - 155	
Acrolein	50.0	65.9	132	10 - 238	
Acrylonitrile	50.0	57.0	114	66 - 141	
Benzene	50.0	45.0	90.0	77 - 127	
Bromochloromethane	50.0	44.7	89.4	74 - 129	

samples 4, 9, and 10 qual J+:LC+ for acetone

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51799	Laboratory ID:	BH51799-BS1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.	Q
Bromodichloromethane	50.0	45.6	91.2	81 - 124	
Bromoform	50.0	46.2	92.4	80 - 136	
Bromomethane	50.0	34.9	69.9	32 - 177	
Carbon disulfide	50.0	46.7	93.3	10 - 136	
Carbon tetrachloride	50.0	42.2	84.3	66 - 143	
Chlorobenzene	50.0	48.0	96.0	86 - 120	
Chloroethane	50.0	45.2	90.5	51 - 142	
Chloroform	50.0	46.4	92.8	76 - 131	
Chloromethane	50.0	34.4	68.9	49 - 132	
cis-1,2-Dichloroethylene	50.0	46.8	93.6	74 - 132	
cis-1,3-Dichloropropylene	50.0	44.0	88.0	81 - 129	
Cyclohexane	50.0	45.2	90.4	70 - 130	
Dibromochloromethane	50.0	45.3	90.5	10 - 200	
Dibromomethane	50.0	48.3	96.6	83 - 124	
Dichlorodifluoromethane	50.0	40.2	80.4	28 - 158	
Ethyl Benzene	50.0	51.2	102	84 - 125	
Hexachlorobutadiene	50.0	50.7	101	83 - 133	
Isopropylbenzene	50.0	46.9	93.8	81 - 127	
Methyl acetate samples ND so no qual	50.0	84.3	169	41 - 143 *	
Methyl tert-butyl ether (MTBE)	50.0	49.6	99.1	74 - 131	
Methylcyclohexane	50.0	47.2	94.5	70 - 130	
Methylene chloride	50.0	45.6	91.2	57 - 141	
n-Butylbenzene	50.0	51.0	102	80 - 130	
n-Propylbenzene	50.0	51.0	102	74 - 136	
o-Xylene	50.0	48.7	97.4	83 - 123	
p- & m- Xylenes	100	102	102	82 - 128	
p-Isopropyltoluene	50.0	50.7	101	85 - 125	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51799	Laboratory ID:	BH51799-BS1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.	Q
sec-Butylbenzene	50.0	52.3	105	83 - 125	
Styrene	50.0	46.0	92.1	86 - 126	
tert-Butyl alcohol (TBA)	250	299	120	70 - 130	
tert-Butylbenzene	50.0	47.2	94.5	80 - 127	
Tetrachloroethylene	50.0	41.2	82.5	80 - 129	
Toluene	50.0	48.2	96.4	85 - 121	
trans-1,2-Dichloroethylene	50.0	47.8	95.6	72 - 132	
trans-1,3-Dichloropropylene	50.0	43.8	87.6	78 - 132	
trans-1,4-dichloro-2-butene	50.0	51.5	103	75 - 135	
Trichloroethylene	50.0	46.7	93.3	84 - 123	
Trichlorofluoromethane	50.0	46.6	93.3	62 - 140	
Vinyl Chloride	50.0	39.8	79.6	52 - 130	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51799 assoc 3,4,9,10	Laboratory ID:	BH51799-BSD1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
1,1,1,2-Tetrachloroethane	50.0	45.6	91.3	3.23	30	75 - 129	
1,1,1-Trichloroethane	50.0	47.1	94.3	4.27	30	71 - 137	
1,1,2,2-Tetrachloroethane	50.0	52.0	104	0.966	30	79 - 129	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	47.9	95.7	2.00	30	58 - 146	
1,1,2-Trichloroethane	50.0	52.0	104	2.95	30	83 - 123	
1,1-Dichloroethane	50.0	44.1	88.2	1.75	30	75 - 130	
1,1-Dichloroethylene	50.0	49.9	99.8	1.96	30	64 - 137	
1,2,3-Trichlorobenzene	50.0	48.3	96.6	1.75	30	81 - 140	
1,2,3-Trichloropropane	50.0	53.4	107	2.02	30	81 - 126	
1,2,4-Trichlorobenzene	50.0	50.2	100	1.39	30	80 - 141	
1,2,4-Trimethylbenzene	50.0	53.7	107	2.59	30	84 - 125	
1,2-Dibromo-3-chloropropane	50.0	44.6	89.2	1.38	30	74 - 142	
1,2-Dibromoethane	50.0	53.8	108	2.75	30	86 - 123	
1,2-Dichlorobenzene	50.0	49.7	99.5	2.28	30	85 - 122	
1,2-Dichloroethane	50.0	48.4	96.7	3.43	30	71 - 133	
1,2-Dichloropropane	50.0	47.6	95.3	3.98	30	81 - 122	
1,3,5-Trimethylbenzene	50.0	54.2	108	3.40	30	82 - 126	
1,3-Dichlorobenzene	50.0	50.0	99.9	2.60	30	84 - 124	
1,4-Dichlorobenzene	50.0	51.8	104	2.30	30	84 - 124	
2-Butanone	50.0	57.6	115	1.28	30	58 - 147	
2-Hexanone	50.0	56.1	112	0.975	30	70 - 139	
4-Methyl-2-pentanone	50.0	50.0	100	0.722	30	72 - 132	
Acetone	50.0	84.1	168 *	0.119	30	36 - 155	
Acrolein	50.0	67.0	134	1.60	30	10 - 238	
Acrylonitrile	50.0	57.7	115	1.06	30	66 - 141	
Benzene	50.0	46.7	93.4	3.69	30	77 - 127	
Bromochloromethane	50.0	47.2	94.3	5.33	30	74 - 129	

samples 4, 9, and 10 qual J+:LC+ for acetone

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51799	Laboratory ID:	BH51799-BSD1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
Bromodichloromethane	50.0	48.1	96.1	5.27	30	81 - 124	
Bromoform	50.0	46.4	92.9	0.453	30	80 - 136	
Bromomethane	50.0	37.4	74.8	6.75	30	32 - 177	
Carbon disulfide	50.0	47.6	95.2	1.99	30	10 - 136	
Carbon tetrachloride	50.0	44.0	88.0	4.29	30	66 - 143	
Chlorobenzene	50.0	50.0	100	4.10	30	86 - 120	
Chloroethane	50.0	46.6	93.3	3.07	30	51 - 142	
Chloroform	50.0	48.0	95.9	3.35	30	76 - 131	
Chloromethane	50.0	34.7	69.5	0.838	30	49 - 132	
cis-1,2-Dichloroethylene	50.0	48.4	96.8	3.32	30	74 - 132	
cis-1,3-Dichloropropylene	50.0	45.8	91.6	4.05	30	81 - 129	
Cyclohexane	50.0	45.9	91.8	1.49	30	70 - 130	
Dibromochloromethane	50.0	47.3	94.6	4.41	30	10 - 200	
Dibromomethane	50.0	50.4	101	4.19	30	83 - 124	
Dichlorodifluoromethane	50.0	40.9	81.7	1.68	30	28 - 158	
Ethyl Benzene	50.0	53.2	106	3.79	30	84 - 125	
Hexachlorobutadiene	50.0	51.1	102	0.785	30	83 - 133	
Isopropylbenzene	50.0	48.5	97.1	3.42	30	81 - 127	
Methyl acetate sample ND so no qual	50.0	84.5	169 *	0.296	30	41 - 143	
Methyl tert-butyl ether (MTBE)	50.0	51.2	102	3.28	30	74 - 131	
Methylcyclohexane	50.0	48.5	97.1	2.69	30	70 - 130	
Methylene chloride	50.0	47.0	94.1	3.06	30	57 - 141	
n-Butylbenzene	50.0	52.0	104	1.77	30	80 - 130	
n-Propylbenzene	50.0	52.2	104	2.38	30	74 - 136	
o-Xylene	50.0	50.6	101	3.87	30	83 - 123	
p- & m- Xylenes	100	106	106	3.55	30	82 - 128	
p-Isopropyltoluene	50.0	51.3	103	1.27	30	85 - 125	
sec-Butylbenzene	50.0	53.4	107	2.21	30	83 - 125	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51799	Laboratory ID:	BH51799-BSD1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
Styrene	50.0	47.9	95.8	4.00	30	86 - 126	
tert-Butyl alcohol (TBA)	250	286	115	4.26	30	70 - 130	
tert-Butylbenzene	50.0	48.7	97.4	3.09	30	80 - 127	
Tetrachloroethylene	50.0	42.8	85.6	3.66	30	80 - 129	
Toluene	50.0	50.5	101	4.70	30	85 - 121	
trans-1,2-Dichloroethylene	50.0	49.1	98.2	2.68	30	72 - 132	
trans-1,3-Dichloropropylene	50.0	45.8	91.7	4.57	30	78 - 132	
trans-1,4-dichloro-2-butene	50.0	52.3	105	1.41	30	75 - 135	
Trichloroethylene	50.0	48.3	96.6	3.47	30	84 - 123	
Trichlorofluoromethane	50.0	47.1	94.2	1.00	30	62 - 140	
Vinyl Chloride	50.0	41.2	82.4	3.48	30	52 - 130	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Water		
Batch:	BH51827	Laboratory ID:	BH51827-BS1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.	Q
1,1,1,2-Tetrachloroethane	10.0	9.33	93.3	82 - 126	
1,1,1-Trichloroethane	10.0	10.0	100	78 - 136	
1,1,2,2-Tetrachloroethane	10.0	10.2	102	76 - 129	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.54	95.4	54 - 165	
1,1,2-Trichloroethane	10.0	9.84	98.4	82 - 123	
1,1-Dichloroethane	10.0	10.1	101	82 - 129	
1,1-Dichloroethylene	10.0	9.72	97.2	68 - 138	
1,2,3-Trichlorobenzene	10.0	10.9	109	76 - 136	
1,2,3-Trichloropropane	10.0	10.0	100	77 - 128	
1,2,4-Trichlorobenzene	10.0	10.7	107	76 - 137	
1,2,4-Trimethylbenzene	10.0	10.3	103	82 - 132	
1,2-Dibromo-3-chloropropane	10.0	10.0	100	45 - 147	
1,2-Dibromoethane	10.0	9.71	97.1	83 - 124	
1,2-Dichlorobenzene	10.0	10.0	100	79 - 123	
1,2-Dichloroethane	10.0	9.25	92.5	73 - 132	
1,2-Dichloropropane	10.0	10.3	103	78 - 126	
1,3,5-Trimethylbenzene	10.0	10.4	104	80 - 131	
1,3-Dichlorobenzene	10.0	9.86	98.6	86 - 122	
1,3-Dichloropropane	10.0	9.73	97.3	81 - 125	
1,4-Dichlorobenzene	10.0	10.0	100	85 - 124	
2-Butanone	10.0	9.76	97.6	49 - 152	
2-Hexanone	10.0	9.66	96.6	51 - 146	
4-Methyl-2-pentanone	10.0	10.0	100	57 - 145	
Acetone	10.0	8.09	80.9	14 - 150	
Acrolein	10.0	12.0	120	10 - 153	
Acrylonitrile	10.0	9.81	98.1	51 - 150	
Benzene	10.0	10.4	104	85 - 126	

LCS for water samples that are not being validated



FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Water		
Batch:	BH51827	Laboratory ID:	BH51827-BS1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.	Q
Bromochloromethane	10.0	10.3	103	77 - 128	
Bromodichloromethane	10.0	9.61	96.1	79 - 128	
Bromoform	10.0	9.11	91.1	78 - 133	
Bromomethane	10.0	8.33	83.3	43 - 168	
Carbon disulfide	10.0	9.01	90.1	68 - 146	
Carbon tetrachloride	10.0	9.98	99.8	77 - 141	
Chlorobenzene	10.0	9.82	98.2	88 - 120	
Chloroethane	10.0	9.71	97.1	65 - 136	
Chloroform	10.0	9.74	97.4	82 - 128	
Chloromethane	10.0	7.84	78.4	43 - 155	
cis-1,2-Dichloroethylene	10.0	10.4	104	83 - 129	
cis-1,3-Dichloropropylene	10.0	10.1	101	80 - 131	
Cyclohexane	10.0	10.2	102	63 - 149	
Dibromochloromethane	10.0	9.65	96.5	80 - 130	
Dibromomethane	10.0	9.40	94.0	72 - 134	
Dichlorodifluoromethane	10.0	8.14	81.4	44 - 144	
Ethyl Benzene	10.0	9.95	99.5	80 - 131	
Hexachlorobutadiene	10.0	9.68	96.8	67 - 146	
Isopropylbenzene	10.0	10.3	103	76 - 140	
Methyl acetate	10.0	15.6	156 *	51 - 139	
Methyl tert-butyl ether (MTBE)	10.0	8.67	86.7	76 - 135	
Methylcyclohexane	10.0	9.35	93.5	72 - 143	
Methylene chloride	10.0	8.02	80.2	55 - 137	
Naphthalene	10.0	11.1	111	70 - 147	B
n-Butylbenzene	10.0	9.41	94.1	79 - 132	
n-Propylbenzene	10.0	9.96	99.6	78 - 133	
o-Xylene	10.0	10.1	101	78 - 130	

LCS for water samples that are not being validated

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Water		
Batch:	BH51827	Laboratory ID:	BH51827-BS1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.	Q
p- & m- Xylenes	20.0	19.7	98.6	77 - 133	
p-Diethylbenzene	10.0	9.73	97.3	84 - 134	
p-Ethyltoluene	10.0	9.90	99.0	88 - 129	
p-Isopropyltoluene	10.0	9.70	97.0	81 - 136	
sec-Butylbenzene	10.0	9.70	97.0	79 - 137	
Styrene	10.0	9.61	96.1	67 - 132	
tert-Butyl alcohol (TBA)	50.0	51.5	103	25 - 162	
tert-Butylbenzene	10.0	9.90	99.0	77 - 138	
Tetrachloroethylene	10.0	8.51	85.1	82 - 131	
Toluene	10.0	9.99	99.9	80 - 127	
trans-1,2-Dichloroethylene	10.0	9.71	97.1	80 - 132	
trans-1,3-Dichloropropylene	10.0	9.76	97.6	78 - 131	
Trichloroethylene	10.0	9.76	97.6	82 - 128	
Trichlorofluoromethane	10.0	9.23	92.3	67 - 139	
Vinyl Chloride	10.0	9.44	94.4	58 - 145	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS for water samples that are not being validated

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Water		
Batch:	BH51827	Laboratory ID:	BH51827-BSD1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
1,1,1,2-Tetrachloroethane	10.0	9.11	91.1	2.39	30	82 - 126	
1,1,1-Trichloroethane	10.0	9.46	94.6	5.95	30	78 - 136	
1,1,2,2-Tetrachloroethane	10.0	10.1	101	1.68	30	76 - 129	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	8.41	84.1	12.6	30	54 - 165	
1,1,2-Trichloroethane	10.0	9.56	95.6	2.89	30	82 - 123	
1,1-Dichloroethane	10.0	9.66	96.6	4.35	30	82 - 129	
1,1-Dichloroethylene	10.0	8.96	89.6	8.14	30	68 - 138	
1,2,3-Trichlorobenzene	10.0	10.2	102	6.54	30	76 - 136	
1,2,3-Trichloropropane	10.0	9.69	96.9	3.25	30	77 - 128	
1,2,4-Trichlorobenzene	10.0	9.98	99.8	6.96	30	76 - 137	
1,2,4-Trimethylbenzene	10.0	9.89	98.9	4.16	30	82 - 132	
1,2-Dibromo-3-chloropropane	10.0	9.81	98.1	2.32	30	45 - 147	
1,2-Dibromoethane	10.0	9.67	96.7	0.413	30	83 - 124	
1,2-Dichlorobenzene	10.0	9.57	95.7	4.49	30	79 - 123	
1,2-Dichloroethane	10.0	8.98	89.8	2.96	30	73 - 132	
1,2-Dichloropropane	10.0	9.89	98.9	3.77	30	78 - 126	
1,3,5-Trimethylbenzene	10.0	9.95	99.5	4.52	30	80 - 131	
1,3-Dichlorobenzene	10.0	9.50	95.0	3.72	30	86 - 122	
1,3-Dichloropropane	10.0	9.52	95.2	2.18	30	81 - 125	
1,4-Dichlorobenzene	10.0	9.64	96.4	3.77	30	85 - 124	
2-Butanone	10.0	9.17	91.7	6.23	30	49 - 152	
2-Hexanone	10.0	9.50	95.0	1.67	30	51 - 146	
4-Methyl-2-pentanone	10.0	9.98	99.8	0.200	30	57 - 145	
Acetone	10.0	7.92	79.2	2.12	30	14 - 150	
Acrolein	10.0	11.6	116	3.48	30	10 - 153	
Acrylonitrile	10.0	9.48	94.8	3.42	30	51 - 150	
Benzene	10.0	9.79	97.9	5.75	30	85 - 126	

LCS for water samples that are not being validated



FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Water		
Batch:	BH51827	Laboratory ID:	BH51827-BSD1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
Bromochloromethane	10.0	9.93	99.3		3.27	30	77 - 128	
Bromodichloromethane	10.0	9.26	92.6		3.71	30	79 - 128	
Bromoform	10.0	9.14	91.4		0.329	30	78 - 133	
Bromomethane	10.0	7.90	79.0		5.30	30	43 - 168	
Carbon disulfide	10.0	8.41	84.1		6.89	30	68 - 146	
Carbon tetrachloride	10.0	9.34	93.4		6.63	30	77 - 141	
Chlorobenzene	10.0	9.32	93.2		5.22	30	88 - 120	
Chloroethane	10.0	9.22	92.2		5.18	30	65 - 136	
Chloroform	10.0	9.24	92.4		5.27	30	82 - 128	
Chloromethane	10.0	7.75	77.5		1.15	30	43 - 155	
cis-1,2-Dichloroethylene	10.0	9.90	99.0		5.21	30	83 - 129	
cis-1,3-Dichloropropylene	10.0	9.77	97.7		3.32	30	80 - 131	
Cyclohexane	10.0	9.56	95.6		6.58	30	63 - 149	
Dibromochloromethane	10.0	9.39	93.9		2.73	30	80 - 130	
Dibromomethane	10.0	9.20	92.0		2.15	30	72 - 134	
Dichlorodifluoromethane	10.0	7.58	75.8		7.12	30	44 - 144	
Ethyl Benzene	10.0	9.54	95.4		4.21	30	80 - 131	
Hexachlorobutadiene	10.0	9.07	90.7		6.51	30	67 - 146	
Isopropylbenzene	10.0	9.86	98.6		4.37	30	76 - 140	
Methyl acetate	10.0	15.3	153	*	1.87	30	51 - 139	
Methyl tert-butyl ether (MTBE)	10.0	8.43	84.3		2.81	30	76 - 135	
Methylcyclohexane	10.0	8.91	89.1		4.82	30	72 - 143	
Methylene chloride	10.0	7.57	75.7		5.77	30	55 - 137	
Naphthalene	10.0	10.6	106		5.17	30	70 - 147	B
n-Butylbenzene	10.0	9.17	91.7		2.58	30	79 - 132	
n-Propylbenzene	10.0	9.59	95.9		3.79	30	78 - 133	
o-Xylene	10.0	9.67	96.7		4.15	30	78 - 130	
p- & m- Xylenes	20.0	18.9	94.5		4.25	30	77 - 133	

LCS for water samples that are not being validated

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Water		
Batch:	BH51827	Laboratory ID:	BH51827-BSD1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
p-Diethylbenzene	10.0	9.30	93.0	4.52	30	84 - 134	
p-Ethyltoluene	10.0	9.48	94.8	4.33	30	88 - 129	
p-Isopropyltoluene	10.0	9.32	93.2	4.00	30	81 - 136	
sec-Butylbenzene	10.0	9.36	93.6	3.57	30	79 - 137	
Styrene	10.0	9.23	92.3	4.03	30	67 - 132	
tert-Butyl alcohol (TBA)	50.0	52.5	105	1.88	30	25 - 162	
tert-Butylbenzene	10.0	9.48	94.8	4.33	30	77 - 138	
Tetrachloroethylene	10.0	8.05	80.5 *	5.56	30	82 - 131	
Toluene	10.0	9.54	95.4	4.61	30	80 - 127	
trans-1,2-Dichloroethylene	10.0	9.14	91.4	6.05	30	80 - 132	
trans-1,3-Dichloropropylene	10.0	9.47	94.7	3.02	30	78 - 131	
Trichloroethylene	10.0	9.22	92.2	5.69	30	82 - 128	
Trichlorofluoromethane	10.0	8.67	86.7	6.26	30	67 - 139	
Vinyl Chloride	10.0	8.84	88.4	6.56	30	58 - 145	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS for water samples that are not being validated

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Water		
Batch:	BH51891	Laboratory ID:	BH51891-BS1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.	Q
1,1,1,2-Tetrachloroethane	10.0	11.5	115	82 - 126	
1,1,1-Trichloroethane	10.0	10.8	108	78 - 136	
1,1,2,2-Tetrachloroethane	10.0	9.50	95.0	76 - 129	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	10.5	105	54 - 165	
1,1,2-Trichloroethane	10.0	12.0	120	82 - 123	
1,1-Dichloroethane	10.0	10.7	107	82 - 129	
1,1-Dichloroethylene	10.0	9.53	95.3	68 - 138	
1,2,3-Trichlorobenzene	10.0	12.2	122	76 - 136	
1,2,3-Trichloropropane	10.0	9.48	94.8	77 - 128	
1,2,4-Trichlorobenzene	10.0	11.4	114	76 - 137	
1,2,4-Trimethylbenzene	10.0	9.53	95.3	82 - 132	
1,2-Dibromo-3-chloropropane	10.0	9.15	91.5	45 - 147	
1,2-Dibromoethane	10.0	12.4	124	83 - 124	
1,2-Dichlorobenzene	10.0	10.1	101	79 - 123	
1,2-Dichloroethane	10.0	9.61	96.1	73 - 132	
1,2-Dichloropropane	10.0	11.2	112	78 - 126	
1,3,5-Trimethylbenzene	10.0	9.43	94.3	80 - 131	
1,3-Dichlorobenzene	10.0	10.0	100	86 - 122	
1,3-Dichloropropane	10.0	11.1	111	81 - 125	
1,4-Dichlorobenzene	10.0	10.0	100	85 - 124	
2-Butanone	10.0	11.3	113	49 - 152	
2-Hexanone	10.0	11.5	115	51 - 146	
4-Methyl-2-pentanone	10.0	11.8	118	57 - 145	
Acetone	10.0	9.35	93.5	14 - 150	
Acrolein	10.0	12.3	123	10 - 153	
Acrylonitrile	10.0	10.4	104	51 - 150	
Benzene	10.0	11.6	116	85 - 126	

LCS for water samples that are not being validated



FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Water		
Batch:	BH51891	Laboratory ID:	BH51891-BS1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.	Q
Bromochloromethane	10.0	11.1	111	77 - 128	
Bromodichloromethane	10.0	10.8	108	79 - 128	
Bromoform	10.0	12.6	126	78 - 133	
Bromomethane	10.0	6.50	65.0	43 - 168	
Carbon disulfide	10.0	9.90	99.0	68 - 146	
Carbon tetrachloride	10.0	10.8	108	77 - 141	
Chlorobenzene	10.0	11.7	117	88 - 120	
Chloroethane	10.0	8.57	85.7	65 - 136	
Chloroform	10.0	10.8	108	82 - 128	
Chloromethane	10.0	7.95	79.5	43 - 155	
cis-1,2-Dichloroethylene	10.0	10.8	108	83 - 129	
cis-1,3-Dichloropropylene	10.0	11.5	115	80 - 131	
Cyclohexane	10.0	11.2	112	63 - 149	
Dibromochloromethane	10.0	12.0	120	80 - 130	
Dibromomethane	10.0	11.1	111	72 - 134	
Dichlorodifluoromethane	10.0	8.20	82.0	44 - 144	
Ethyl Benzene	10.0	11.4	114	80 - 131	
Hexachlorobutadiene	10.0	10.2	102	67 - 146	
Isopropylbenzene	10.0	9.56	95.6	76 - 140	
Methyl acetate	10.0	16.9	169 *	51 - 139	
Methyl tert-butyl ether (MTBE)	10.0	10.2	102	76 - 135	
Methylcyclohexane	10.0	11.1	111	72 - 143	
Methylene chloride	10.0	8.08	80.8	55 - 137	
Naphthalene	10.0	12.3	123	70 - 147	B
n-Butylbenzene	10.0	8.97	89.7	79 - 132	
n-Propylbenzene	10.0	9.13	91.3	78 - 133	
o-Xylene	10.0	11.6	116	78 - 130	

LCS for water samples that are not being validated

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Water		
Batch:	BH51891	Laboratory ID:	BH51891-BS1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.	Q
p- & m- Xylenes	20.0	22.4	112	77 - 133	
p-Diethylbenzene	10.0	9.43	94.3	84 - 134	
p-Ethyltoluene	10.0	9.49	94.9	88 - 129	
p-Isopropyltoluene	10.0	9.64	96.4	81 - 136	
sec-Butylbenzene	10.0	9.53	95.3	79 - 137	
Styrene	10.0	11.7	117	67 - 132	
tert-Butyl alcohol (TBA)	50.0	57.7	115	25 - 162	
tert-Butylbenzene	10.0	9.70	97.0	77 - 138	
Tetrachloroethylene	10.0	11.2	112	82 - 131	
Toluene	10.0	11.3	113	80 - 127	
trans-1,2-Dichloroethylene	10.0	9.75	97.5	80 - 132	
trans-1,3-Dichloropropylene	10.0	10.9	109	78 - 131	
Trichloroethylene	10.0	11.0	110	82 - 128	
Trichlorofluoromethane	10.0	9.30	93.0	67 - 139	
Vinyl Chloride	10.0	8.72	87.2	58 - 145	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS for water samples that are not being validated

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Water		
Batch:	BH51891	Laboratory ID:	BH51891-BSD1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
1,1,1,2-Tetrachloroethane	10.0	11.5	115	0.0871	30	82 - 126	
1,1,1-Trichloroethane	10.0	10.4	104	3.86	30	78 - 136	
1,1,2,2-Tetrachloroethane	10.0	9.61	96.1	1.15	30	76 - 129	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.64	96.4	8.54	30	54 - 165	
1,1,2-Trichloroethane	10.0	12.1	121	0.498	30	82 - 123	
1,1-Dichloroethane	10.0	10.4	104	3.42	30	82 - 129	
1,1-Dichloroethylene	10.0	8.22	82.2	14.8	30	68 - 138	
1,2,3-Trichlorobenzene	10.0	13.5	135	10.6	30	76 - 136	
1,2,3-Trichloropropane	10.0	9.62	96.2	1.47	30	77 - 128	
1,2,4-Trichlorobenzene	10.0	11.9	119	3.86	30	76 - 137	
1,2,4-Trimethylbenzene	10.0	9.03	90.3	5.39	30	82 - 132	
1,2-Dibromo-3-chloropropane	10.0	9.41	94.1	2.80	30	45 - 147	
1,2-Dibromoethane	10.0	12.6	126 *	2.08	30	83 - 124	
1,2-Dichlorobenzene	10.0	9.93	99.3	1.60	30	79 - 123	
1,2-Dichloroethane	10.0	9.88	98.8	2.77	30	73 - 132	
1,2-Dichloropropane	10.0	11.0	110	2.07	30	78 - 126	
1,3,5-Trimethylbenzene	10.0	8.92	89.2	5.56	30	80 - 131	
1,3-Dichlorobenzene	10.0	9.61	96.1	4.38	30	86 - 122	
1,3-Dichloropropane	10.0	11.3	113	1.43	30	81 - 125	
1,4-Dichlorobenzene	10.0	9.72	97.2	2.94	30	85 - 124	
2-Butanone	10.0	11.8	118	4.34	30	49 - 152	
2-Hexanone	10.0	12.2	122	6.32	30	51 - 146	
4-Methyl-2-pentanone	10.0	12.5	125	5.10	30	57 - 145	
Acetone	10.0	8.65	86.5	7.78	30	14 - 150	
Acrolein	10.0	11.1	111	10.4	30	10 - 153	
Acrylonitrile	10.0	10.7	107	3.04	30	51 - 150	
Benzene	10.0	11.3	113	2.97	30	85 - 126	

LCS for water samples that are not being validated

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Water		
Batch:	BH51891	Laboratory ID:	BH51891-BSD1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
Bromochloromethane	10.0	11.2	112		1.53	30	77 - 128	
Bromodichloromethane	10.0	10.7	107		1.03	30	79 - 128	
Bromoform	10.0	13.2	132		4.26	30	78 - 133	
Bromomethane	10.0	7.18	71.8		9.94	30	43 - 168	
Carbon disulfide	10.0	9.04	90.4		9.08	30	68 - 146	
Carbon tetrachloride	10.0	10.3	103		4.47	30	77 - 141	
Chlorobenzene	10.0	11.5	115		1.81	30	88 - 120	
Chloroethane	10.0	8.94	89.4		4.23	30	65 - 136	
Chloroform	10.0	10.6	106		1.31	30	82 - 128	
Chloromethane	10.0	7.09	70.9		11.4	30	43 - 155	
cis-1,2-Dichloroethylene	10.0	10.6	106		2.05	30	83 - 129	
cis-1,3-Dichloropropylene	10.0	11.3	113		1.23	30	80 - 131	
Cyclohexane	10.0	10.5	105		6.83	30	63 - 149	
Dibromochloromethane	10.0	12.3	123		2.79	30	80 - 130	
Dibromomethane	10.0	11.2	112		1.16	30	72 - 134	
Dichlorodifluoromethane	10.0	7.52	75.2		8.65	30	44 - 144	
Ethyl Benzene	10.0	11.1	111		3.20	30	80 - 131	
Hexachlorobutadiene	10.0	9.83	98.3		3.40	30	67 - 146	
Isopropylbenzene	10.0	8.89	88.9		7.26	30	76 - 140	
Methyl acetate	10.0	17.6	176	*	3.94	30	51 - 139	
Methyl tert-butyl ether (MTBE)	10.0	10.8	108		5.33	30	76 - 135	
Methylcyclohexane	10.0	10.4	104		6.42	30	72 - 143	
Methylene chloride	10.0	7.93	79.3		1.87	30	55 - 137	
Naphthalene	10.0	13.4	134		8.42	30	70 - 147	B
n-Butylbenzene	10.0	8.48	84.8		5.62	30	79 - 132	
n-Propylbenzene	10.0	8.56	85.6		6.44	30	78 - 133	
o-Xylene	10.0	11.4	114		1.74	30	78 - 130	
p- & m- Xylenes	20.0	21.6	108		3.64	30	77 - 133	

LCS for water samples that are not being validated

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Water		
Batch:	BH51891	Laboratory ID:	BH51891-BSD1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
p-Diethylbenzene	10.0	8.90	89.0	5.78	30	84 - 134	
p-Ethyltoluene	10.0	8.88	88.8	6.64	30	88 - 129	
p-Isopropyltoluene	10.0	8.99	89.9	6.98	30	81 - 136	
sec-Butylbenzene	10.0	8.89	88.9	6.95	30	79 - 137	
Styrene	10.0	11.5	115	1.46	30	67 - 132	
tert-Butyl alcohol (TBA)	50.0	67.8	136	16.0	30	25 - 162	
tert-Butylbenzene	10.0	9.08	90.8	6.60	30	77 - 138	
Tetrachloroethylene	10.0	10.6	106	5.25	30	82 - 131	
Toluene	10.0	10.9	109	3.69	30	80 - 127	
trans-1,2-Dichloroethylene	10.0	9.46	94.6	3.02	30	80 - 132	
trans-1,3-Dichloropropylene	10.0	11.1	111	1.82	30	78 - 131	
Trichloroethylene	10.0	10.5	105	5.12	30	82 - 128	
Trichlorofluoromethane	10.0	8.76	87.6	5.98	30	67 - 139	
Vinyl Chloride	10.0	8.34	83.4	4.45	30	58 - 145	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS for water samples that are not being validated

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Matrix: Soil
Batch: BH51909 assoc 1,2
Laboratory ID: BH51909-BS1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.	Q
1,1,1,2-Tetrachloroethane	50.0	47.9	95.8	75 - 129	
1,1,1-Trichloroethane	50.0	47.1	94.1	71 - 137	
1,1,2,2-Tetrachloroethane	50.0	50.2	100	79 - 129	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	46.8	93.7	58 - 146	
1,1,2-Trichloroethane	50.0	48.7	97.5	83 - 123	
1,1-Dichloroethane	50.0	20.2	40.4 *	75 - 130	
1,1-Dichloroethylene	50.0	48.5	97.0	64 - 137	
1,2,3-Trichlorobenzene	50.0	45.9	91.7	81 - 140	
1,2,3-Trichloropropane	50.0	48.4	96.9	81 - 126	
1,2,4-Trichlorobenzene	50.0	45.5	90.9	80 - 141	
1,2,4-Trimethylbenzene	50.0	50.5	101	84 - 125	
1,2-Dibromo-3-chloropropane	50.0	41.4	82.8	74 - 142	
1,2-Dibromoethane	50.0	48.7	97.4	86 - 123	
1,2-Dichlorobenzene	50.0	49.5	99.0	85 - 122	
1,2-Dichloroethane	50.0	47.0	93.9	71 - 133	
1,2-Dichloropropane	50.0	47.9	95.8	81 - 122	
1,3,5-Trimethylbenzene	50.0	49.4	98.8	82 - 126	
1,3-Dichlorobenzene	50.0	52.6	105	84 - 124	
1,4-Dichlorobenzene	50.0	53.9	108	84 - 124	
2-Butanone	50.0	7.52	15.0 *	58 - 147	
2-Hexanone	50.0	39.0	78.0	70 - 139	
4-Methyl-2-pentanone	50.0	38.7	77.4	72 - 132	
Acetone	50.0	74.6	149	36 - 155	
Acrolein	50.0	65.0	130	10 - 238	
Acrylonitrile	50.0	38.4	76.8	66 - 141	
Benzene	50.0	46.0	92.0	77 - 127	
Bromochloromethane	50.0	52.8	106	74 - 129	

samples 1 and 2 qual UJ:LC- for 1,1-Dichloroethane, and UR:LC- for 2-Butanone.

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51909	Laboratory ID:	BH51909-BS1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.	Q
Bromodichloromethane	50.0	47.2	94.3	81 - 124	
Bromoform	50.0	50.7	101	80 - 136	
Bromomethane	50.0	45.6	91.2	32 - 177	
Carbon disulfide	50.0	48.6	97.1	10 - 136	
Carbon tetrachloride	50.0	47.1	94.2	66 - 143	
Chlorobenzene	50.0	48.3	96.7	86 - 120	
Chloroethane	50.0	50.3	101	51 - 142	
Chloroform	50.0	46.8	93.5	76 - 131	
Chloromethane	50.0	39.0	78.1	49 - 132	
cis-1,2-Dichloroethylene	50.0	49.7	99.4	74 - 132	
cis-1,3-Dichloropropylene	50.0	48.2	96.4	81 - 129	
Cyclohexane	50.0	43.2	86.3	70 - 130	
Dibromochloromethane	50.0	48.3	96.6	10 - 200	
Dibromomethane	50.0	45.2	90.4	83 - 124	
Dichlorodifluoromethane	50.0	33.1	66.2	28 - 158	
Ethyl Benzene	50.0	50.8	102	84 - 125	
Hexachlorobutadiene	50.0	45.1	90.2	83 - 133	
Isopropylbenzene	50.0	50.5	101	81 - 127	
Methyl acetate	50.0	78.0	156 *	41 - 143	
Methyl tert-butyl ether (MTBE)	50.0	45.9	91.7	74 - 131	
Methylcyclohexane	50.0	46.6	93.2	70 - 130	
Methylene chloride	50.0	51.4	103	57 - 141	
n-Butylbenzene	50.0	35.9	71.8 *	80 - 130	
n-Propylbenzene	50.0	45.8	91.7	74 - 136	
o-Xylene	50.0	48.8	97.5	83 - 123	
p- & m- Xylenes	100	107	107	82 - 128	
p-Isopropyltoluene	50.0	49.7	99.3	85 - 125	

samples ND so no qual

samples 1 and 2 qual UJ:LC- for n-Butylbenzene

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51909	Laboratory ID:	BH51909-BS1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.	Q
sec-Butylbenzene	50.0	51.2	102	83 - 125	
Styrene	50.0	52.5	105	86 - 126	
tert-Butyl alcohol (TBA)	250	208	83.2	70 - 130	
tert-Butylbenzene	50.0	41.2	82.4	80 - 127	
Tetrachloroethylene	50.0	38.7	77.5 *	80 - 129	
Toluene	50.0	49.0	98.0	85 - 121	
trans-1,2-Dichloroethylene	50.0	48.5	97.0	72 - 132	
trans-1,3-Dichloropropylene	50.0	46.9	93.7	78 - 132	
trans-1,4-dichloro-2-butene	50.0	41.7	83.4	75 - 135	
Trichloroethylene	50.0	46.0	92.0	84 - 123	
Trichlorofluoromethane	50.0	47.6	95.1	62 - 140	
Vinyl Chloride	50.0	39.7	79.4	52 - 130	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Samples 1 and 2 qualified UJ:LC- for Tetrachloroethylene

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51909	Laboratory ID:	BH51909-BSD1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
1,1,1,2-Tetrachloroethane	50.0	45.8	91.6	4.50	30	75 - 129	
1,1,1-Trichloroethane	50.0	43.8	87.7	7.06	30	71 - 137	
1,1,2,2-Tetrachloroethane	50.0	48.6	97.3	3.18	30	79 - 129	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	44.1	88.2	6.03	30	58 - 146	
1,1,2-Trichloroethane	50.0	47.1	94.2	3.42	30	83 - 123	
1,1-Dichloroethane	50.0	28.2	56.3 *	32.9 *	30	75 - 130	
1,1-Dichloroethylene	50.0	45.9	91.9	5.46	30	64 - 137	
1,2,3-Trichlorobenzene	50.0	43.3	86.7	5.70	30	81 - 140	
1,2,3-Trichloropropane	50.0	46.6	93.2	3.81	30	81 - 126	
1,2,4-Trichlorobenzene	50.0	42.2	84.4	7.51	30	80 - 141	
1,2,4-Trimethylbenzene	50.0	48.0	96.0	5.04	30	84 - 125	
1,2-Dibromo-3-chloropropane	50.0	40.7	81.3	1.83	30	74 - 142	
1,2-Dibromoethane	50.0	46.8	93.7	3.89	30	86 - 123	
1,2-Dichlorobenzene	50.0	46.8	93.7	5.52	30	85 - 122	
1,2-Dichloroethane	50.0	44.8	89.7	4.62	30	71 - 133	
1,2-Dichloropropane	50.0	46.2	92.3	3.66	30	81 - 122	
1,3,5-Trimethylbenzene	50.0	46.6	93.2	5.79	30	82 - 126	
1,3-Dichlorobenzene	50.0	49.6	99.2	5.89	30	84 - 124	
1,4-Dichlorobenzene	50.0	51.2	102	5.08	30	84 - 124	
2-Butanone	50.0	0.00	*	200 *	30	58 - 147	
2-Hexanone	50.0	39.0	78.0	0.0256	30	70 - 139	
4-Methyl-2-pentanone	50.0	37.9	75.9	1.96	30	72 - 132	
Acetone	50.0	75.9	152	1.71	30	36 - 155	
Acrolein	50.0	63.9	128	1.66	30	10 - 238	
Acrylonitrile	50.0	41.8	83.7	8.50	30	66 - 141	
Benzene	50.0	43.7	87.3	5.20	30	77 - 127	
Bromochloromethane	50.0	51.2	102	3.06	30	74 - 129	

samples 1 and 2 qual UJ:LC- for 1,1-Dichloroethane, and UR:LC- for 2-Butanone.

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51909	Laboratory ID:	BH51909-BSD1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
Bromodichloromethane	50.0	44.8	89.5		5.24	30	81 - 124	
Bromoform	50.0	47.8	95.6		5.87	30	80 - 136	
Bromomethane	50.0	43.8	87.5		4.14	30	32 - 177	
Carbon disulfide	50.0	45.3	90.5		7.01	30	10 - 136	
Carbon tetrachloride	50.0	43.7	87.4		7.53	30	66 - 143	
Chlorobenzene	50.0	45.9	91.8		5.11	30	86 - 120	
Chloroethane	50.0	47.2	94.4		6.48	30	51 - 142	
Chloroform	50.0	44.5	88.9		5.04	30	76 - 131	
Chloromethane	50.0	36.3	72.6		7.22	30	49 - 132	
cis-1,2-Dichloroethylene	50.0	47.2	94.4		5.14	30	74 - 132	
cis-1,3-Dichloropropylene	50.0	46.1	92.2		4.43	30	81 - 129	
Cyclohexane	50.0	40.6	81.3		5.97	30	70 - 130	
Dibromochloromethane	50.0	45.9	91.8		5.16	30	10 - 200	
Dibromomethane	50.0	43.5	87.1		3.72	30	83 - 124	
Dichlorodifluoromethane	50.0	30.2	60.4		9.16	30	28 - 158	
Ethyl Benzene	50.0	48.3	96.7		4.86	30	84 - 125	
Hexachlorobutadiene	50.0	41.3	82.6	*	8.79	30	83 - 133	
Isopropylbenzene	50.0	48.0	96.0		5.04	30	81 - 127	
Methyl acetate	50.0	74.2	148	*	5.00	30	41 - 143	
Methyl tert-butyl ether (MTBE)	50.0	43.7	87.4		4.80	30	74 - 131	
Methylcyclohexane	50.0	43.3	86.7		7.25	30	70 - 130	
Methylene chloride	50.0	49.3	98.5		4.33	30	57 - 141	
n-Butylbenzene	50.0	33.6	67.2	*	6.62	30	80 - 130	
n-Propylbenzene	50.0	43.4	86.7		5.61	30	74 - 136	
o-Xylene	50.0	46.5	93.0		4.79	30	83 - 123	
p- & m- Xylenes	100	102	102		5.13	30	82 - 128	
p-Isopropyltoluene	50.0	46.2	92.3		7.31	30	85 - 125	
sec-Butylbenzene	50.0	48.5	97.0		5.48	30	83 - 125	

samples 1 and 2 qual UJ:LC- for Hexachlorobutadiene and n-Butylbenzene

samples ND for methyl acetate

3165

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51909	Laboratory ID:	BH51909-BSD1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
Styrene	50.0	49.8	99.5	5.30	30	86 - 126	
tert-Butyl alcohol (TBA)	250	206	82.6	0.743	30	70 - 130	
tert-Butylbenzene	50.0	38.6	77.1 *	6.62	30	80 - 127	
Tetrachloroethylene	50.0	36.4	72.7 *	6.34	30	80 - 129	
Toluene	50.0	46.5	93.1	5.21	30	85 - 121	
trans-1,2-Dichloroethylene	50.0	45.9	91.9	5.46	30	72 - 132	
trans-1,3-Dichloropropylene	50.0	44.7	89.4	4.72	30	78 - 132	
trans-1,4-dichloro-2-butene	50.0	40.7	81.4	2.45	30	75 - 135	
Trichloroethylene	50.0	43.7	87.4	5.11	30	84 - 123	
Trichlorofluoromethane	50.0	43.6	87.2	8.66	30	62 - 140	
Vinyl Chloride	50.0	37.8	75.6	4.85	30	52 - 130	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Samples 1 and 2 qualified UJ:LC- for Tetrachloroethylene and tert-Butylbenzene

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8260D

Laboratory: ALS Environmental - Stratford SDG: 25H1535

Client: Terracon Consultants, Inc. Project: HPN HVAC J4257006, 10.2

Batch: BH51799 Batch Matrix: Soil Preparation: EPA 5035A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC SW East-S-1	25H1535-03	V5449475.D	08/23/25 07:52	
HVAC SW West-S-1	25H1535-04	V5449490.D	08/23/25 07:52	
HVAC Bottom 3 ft	25H1535-09	V5449476.D	08/23/25 07:52	
HVAC DUP	25H1535-10	V5449479.D	08/23/25 07:52	
Blank	BH51799-BLK1	V5449474.D	08/23/25 07:52	
LCS	BH51799-BS1	V5449472.D	08/23/25 07:52	
LCS Dup	BH51799-BSD1	V5449473.D	08/23/25 07:52	
HVAC Bottom 3 ft	BH51799-MS1	V5449477.D	08/23/25 07:52	
HVAC Bottom 3 ft	BH51799-MSD1	V5449478.D	08/23/25 07:52	

FORM IV **PREPARATION BATCH SUMMARY**

no eval

EPA 8260D

Laboratory: ALS Environmental - Stratford SDG: 25H1535

Client: Terracon Consultants, Inc. Project: HPN HVAC J4257006, 10.2

Batch: BH51827 Batch Matrix: Water Preparation: EPA 5030B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Trip Blank	25H1535-11	V10C14609.D	08/24/25 07:00	
Blank	BH51827-BLK1	V10C14606.D	08/24/25 08:00	
LCS	BH51827-BS1	V10C14602.D	08/24/25 08:00	
LCS Dup	BH51827-BSD1	V10C14603.D	08/24/25 08:00	

FORM IV **PREPARATION BATCH SUMMARY**

no eval

EPA 8260D

Laboratory: ALS Environmental - Stratford SDG: 25H1535

Client: Terracon Consultants, Inc. Project: HPN HVAC J4257006, 10.2

Batch: BH51891 Batch Matrix: Water Preparation: EPA 5030B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Field Blank	25H1535-12	V10C14657.D	08/25/25 07:23	
Blank	BH51891-BLK1	V10C14654.D	08/25/25 07:23	
LCS	BH51891-BS1	V10C14651.D	08/25/25 07:23	
LCS Dup	BH51891-BSD1	V10C14652.D	08/25/25 07:23	

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8260D

Laboratory: ALS Environmental - Stratford SDG: 25H1535

Client: Terracon Consultants, Inc. Project: HPN HVAC J4257006, 10.2

Batch: BH51909 Batch Matrix: Soil Preparation: EPA 5035A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC SW North-S-1	25H1535-01	V2-637384.D	08/26/25 08:50	From BH51799 by PRS on 08/26/2025 RE-1X
HVAC SW South-S-1	25H1535-02	V2-637385.D	08/26/25 08:50	From BH51799 by PRS on 08/26/2025 RE-1X
Blank	BH51909-BLK1	V2-637380.D	08/26/25 08:00	
LCS	BH51909-BS1	V2-637378.D	08/26/25 08:00	
LCS Dup	BH51909-BSD1	V2-637379.D	08/26/25 08:00	



FORM I

METHOD BLANK DATA SHEET

EPA 8260D

CLEAN BLANK

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51799-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50025
Preparation:	EPA 5035A	Prepared:	08/23/25 07:52	File ID:	V5449474.D
Instrument:	VOA No. 5	Analyzed:	08/23/25 09:26	Initial/Final:	5 g / 5 ml
Batch:	BH51799	Sequence:	S5H2516	Matrix:	Soil

Analyzed by: ALS Environmental - Stratford

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5035A

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
71-55-6	1,1,1-Trichloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
79-00-5	1,1,2-Trichloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
75-34-3	1,1-Dichloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
75-35-4	1,1-Dichloroethylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
96-18-4	1,2,3-Trichloropropane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
106-93-4	1,2-Dibromoethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
95-50-1	1,2-Dichlorobenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
107-06-2	1,2-Dichloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
78-87-5	1,2-Dichloropropane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
541-73-1	1,3-Dichlorobenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
106-46-7	1,4-Dichlorobenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
78-93-3	2-Butanone	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
591-78-6	2-Hexanone	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
108-10-1	4-Methyl-2-pentanone	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
67-64-1	Acetone	ND		mg/kg wet	0.010	0.0050	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
107-02-8	Acrolein	ND		mg/kg wet	0.010	0.0050	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
107-13-1	Acrylonitrile	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
71-43-2	Benzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
74-97-5	Bromochloromethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
75-27-4	Bromodichloromethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
75-25-2	Bromoform	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
74-83-9	Bromomethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
75-15-0	Carbon disulfide	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
56-23-5	Carbon tetrachloride	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
108-90-7	Chlorobenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
75-00-3	Chloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
67-66-3	Chloroform	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
74-87-3	Chloromethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
110-82-7	Cyclohexane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
124-48-1	Dibromochloromethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
74-95-3	Dibromomethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
75-71-8	Dichlorodifluoromethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
100-41-4	Ethyl Benzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	

FORM I

METHOD BLANK DATA SHEET
EPA 8260D

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51799-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50025
Preparation:	EPA 5035A	Prepared:	08/23/25 07:52	File ID:	V5449474.D
Instrument:	VOA No. 5	Analyzed:	08/23/25 09:26	Initial/Final:	5 g / 5 ml
Batch:	BH51799	Sequence:	S5H2516	Matrix:	Soil

Volatile Organic Compounds by GC/MS
Sample Prepared by Method: EPA 5035A

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
98-82-8	Isopropylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
79-20-9	Methyl acetate	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
108-87-2	Methylcyclohexane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
75-09-2	Methylene chloride	ND		mg/kg wet	0.010	0.0050	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
104-51-8	n-Butylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
103-65-1	n-Propylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
95-47-6	o-Xylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
179601-23-1	p- & m- Xylenes	ND		mg/kg wet	0.010	0.0050	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
99-87-6	p-Isopropyltoluene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
135-98-8	sec-Butylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
100-42-5	Styrene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg wet	0.025	0.012	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
98-06-6	tert-Butylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
127-18-4	Tetrachloroethylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
108-88-3	Toluene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
110-57-6	trans-1,4-dichloro-2-butene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
79-01-6	Trichloroethylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
75-69-4	Trichlorofluoromethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
75-01-4	Vinyl Chloride	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	
1330-20-7	Xylenes, Total	ND		mg/kg wet	0.015	0.0075	1	EPA 8260D	08/23/25 07:52	08/23/25 09:26	

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	SURR: 1,2-Dichloroethane-d4	*108 %*	*77-125*
460-00-4	SURR: p-Bromofluorobenzene	*106 %*	*76-130*
2037-26-5	SURR: Toluene-d8	*103 %*	*85-120*

FORM I

METHOD BLANK DATA SHEET

EPA 8260D

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51827-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50039
Preparation:	EPA 5030B	Prepared:	08/24/25 08:00	File ID:	V10C14606.D
Instrument:	VOA No. 10	Analyzed:	08/25/25 04:18	Initial/Final:	25 mL / 25 mL
Batch:	BH51827	Sequence:	S5H2528	Matrix:	Water

Analyzed by: **ALS Environmental - Stratford**

MB for blanks. No eval

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5030B

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.500	0.216	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.500	0.266	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.500	0.256	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.500	0.286	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.500	0.249	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
75-34-3	1,1-Dichloroethane	ND		ug/L	0.500	0.272	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.500	0.327	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.500	0.222	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.500	0.273	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.500	0.138	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.500	0.310	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.500	0.432	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
106-93-4	1,2-Dibromoethane	ND		ug/L	0.500	0.215	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.500	0.270	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
107-06-2	1,2-Dichloroethane	ND		ug/L	0.500	0.377	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
78-87-5	1,2-Dichloropropane	ND		ug/L	0.500	0.327	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.500	0.347	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.500	0.283	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
142-28-9	1,3-Dichloropropane	ND		ug/L	0.500	0.260	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.500	0.311	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
78-93-3	2-Butanone	ND		ug/L	0.500	0.421	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
591-78-6	2-Hexanone	ND		ug/L	0.500	0.320	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.500	0.365	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
67-64-1	Acetone	ND		ug/L	2.00	1.34	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
107-02-8	Acrolein	ND		ug/L	0.500	0.447	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
107-13-1	Acrylonitrile	ND		ug/L	0.500	0.422	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
71-43-2	Benzene	ND		ug/L	0.500	0.279	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
74-97-5	Bromochloromethane	ND		ug/L	0.500	0.354	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
75-27-4	Bromodichloromethane	ND		ug/L	0.500	0.245	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
75-25-2	Bromoform	ND		ug/L	0.500	0.163	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
74-83-9	Bromomethane	ND		ug/L	2.00	0.500	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
75-15-0	Carbon disulfide	ND		ug/L	0.500	0.362	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
56-23-5	Carbon tetrachloride	ND		ug/L	0.500	0.204	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
108-90-7	Chlorobenzene	ND		ug/L	0.500	0.284	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
75-00-3	Chloroethane	ND		ug/L	0.500	0.448	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
67-66-3	Chloroform	ND		ug/L	0.500	0.243	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
74-87-3	Chloromethane	ND		ug/L	0.500	0.372	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.500	0.294	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.500	0.262	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
110-82-7	Cyclohexane	ND		ug/L	0.500	0.491	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
124-48-1	Dibromochloromethane	ND		ug/L	0.500	0.146	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
74-95-3	Dibromomethane	ND		ug/L	0.500	0.203	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.500	0.451	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	

FORM I

METHOD BLANK DATA SHEET

EPA 8260D

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51827-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50039
Preparation:	EPA 5030B	Prepared:	08/24/25 08:00	File ID:	V10C14606.D
Instrument:	VOA No. 10	Analyzed:	08/25/25 04:18	Initial/Final:	25 mL / 25 mL
Batch:	BH51827	Sequence:	S5H2528	Matrix:	Water

Volatile Organic Compounds by GC/MS
Sample Prepared by Method: EPA 5030B

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.500	0.290	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.241	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
98-82-8	Isopropylbenzene	ND		ug/L	0.500	0.405	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
79-20-9	Methyl acetate	ND		ug/L	0.500	0.442	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.500	0.244	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
108-87-2	Methylcyclohexane	ND		ug/L	0.500	0.477	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
75-09-2	Methylene chloride	ND		ug/L	2.00	0.397	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
91-20-3	Naphthalene	0.250	J	ug/L	2.00	0.212	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
104-51-8	n-Butylbenzene	ND		ug/L	0.500	0.399	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
103-65-1	n-Propylbenzene	ND		ug/L	0.500	0.384	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
95-47-6	o-Xylene	ND		ug/L	0.500	0.261	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
179601-23-1	p- & m- Xylenes	ND		ug/L	1.00	0.578	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
105-05-5	p-Diethylbenzene	ND		ug/L	0.500	0.341	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
622-96-8	p-Ethyltoluene	ND		ug/L	0.500	0.200	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
99-87-6	p-Isopropyltoluene	ND		ug/L	0.500	0.377	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
135-98-8	sec-Butylbenzene	ND		ug/L	0.500	0.444	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
100-42-5	Styrene	ND		ug/L	0.500	0.255	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	1.00	0.608	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
98-06-6	tert-Butylbenzene	ND		ug/L	0.500	0.367	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
127-18-4	Tetrachloroethylene	ND		ug/L	0.500	0.239	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
108-88-3	Toluene	ND		ug/L	0.500	0.346	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.500	0.279	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.500	0.229	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
79-01-6	Trichloroethylene	ND		ug/L	0.500	0.249	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
75-69-4	Trichlorofluoromethane	ND		ug/L	0.500	0.337	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
75-01-4	Vinyl Chloride	ND		ug/L	0.500	0.469	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	
1330-20-7	Xylenes, Total	ND		ug/L	1.50	0.839	1	EPA 8260D	08/24/25 08:00	08/25/25 04:18	

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	SURR: 1,2-Dichloroethane-d4	*96.2 %*	*69-130*
460-00-4	SURR: p-Bromofluorobenzene	*104 %*	*79-122*
2037-26-5	SURR: Toluene-d8	*99.2 %*	*81-117*

FORM I

METHOD BLANK DATA SHEET

EPA 8260D

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51891-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50039
Preparation:	EPA 5030B	Prepared:	08/25/25 07:23	File ID:	V10C14654.D
Instrument:	VOA No. 10	Analyzed:	08/26/25 03:17	Initial/Final:	25 mL / 25 mL
Batch:	BH51891	Sequence:	S5H2613	Matrix:	Water

Analyzed by: **ALS Environmental - Stratford**

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5030B

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Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.500	0.216	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.500	0.266	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.500	0.256	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.500	0.286	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.500	0.249	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
75-34-3	1,1-Dichloroethane	ND		ug/L	0.500	0.272	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.500	0.327	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.500	0.222	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.500	0.273	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.500	0.138	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.500	0.310	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.500	0.432	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
106-93-4	1,2-Dibromoethane	ND		ug/L	0.500	0.215	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.500	0.270	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
107-06-2	1,2-Dichloroethane	ND		ug/L	0.500	0.377	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
78-87-5	1,2-Dichloropropane	ND		ug/L	0.500	0.327	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.500	0.347	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.500	0.283	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
142-28-9	1,3-Dichloropropane	ND		ug/L	0.500	0.260	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.500	0.311	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
78-93-3	2-Butanone	ND		ug/L	0.500	0.421	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
591-78-6	2-Hexanone	ND		ug/L	0.500	0.320	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.500	0.365	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
67-64-1	Acetone	ND		ug/L	2.00	1.34	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
107-02-8	Acrolein	ND		ug/L	0.500	0.447	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
107-13-1	Acrylonitrile	ND		ug/L	0.500	0.422	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
71-43-2	Benzene	ND		ug/L	0.500	0.279	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
74-97-5	Bromochloromethane	ND		ug/L	0.500	0.354	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
75-27-4	Bromodichloromethane	ND		ug/L	0.500	0.245	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
75-25-2	Bromoform	ND		ug/L	0.500	0.163	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
74-83-9	Bromomethane	ND		ug/L	0.500	0.119	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
75-15-0	Carbon disulfide	ND		ug/L	0.500	0.362	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
56-23-5	Carbon tetrachloride	ND		ug/L	0.500	0.204	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
108-90-7	Chlorobenzene	ND		ug/L	0.500	0.284	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
75-00-3	Chloroethane	ND		ug/L	0.500	0.448	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
67-66-3	Chloroform	ND		ug/L	0.500	0.243	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
74-87-3	Chloromethane	ND		ug/L	0.500	0.372	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.500	0.294	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.500	0.262	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
110-82-7	Cyclohexane	ND		ug/L	0.500	0.491	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
124-48-1	Dibromochloromethane	ND		ug/L	0.500	0.146	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
74-95-3	Dibromomethane	ND		ug/L	0.500	0.203	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.500	0.451	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	

FORM I

METHOD BLANK DATA SHEET

EPA 8260D

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51891-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50039
Preparation:	EPA 5030B	Prepared:	08/25/25 07:23	File ID:	V10C14654.D
Instrument:	VOA No. 10	Analyzed:	08/26/25 03:17	Initial/Final:	25 mL / 25 mL
Batch:	BH51891	Sequence:	S5H2613	Matrix:	Water

Volatile Organic Compounds by GC/MS
Sample Prepared by Method: EPA 5030B

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.500	0.290	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.241	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
98-82-8	Isopropylbenzene	ND		ug/L	0.500	0.405	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
79-20-9	Methyl acetate	ND		ug/L	0.500	0.442	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.500	0.244	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
108-87-2	Methylcyclohexane	ND		ug/L	0.500	0.477	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
75-09-2	Methylene chloride	ND		ug/L	2.00	0.397	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
91-20-3	Naphthalene	0.300	J	ug/L	2.00	0.212	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
104-51-8	n-Butylbenzene	ND		ug/L	0.500	0.399	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
103-65-1	n-Propylbenzene	ND		ug/L	0.500	0.384	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
95-47-6	o-Xylene	ND		ug/L	0.500	0.261	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
179601-23-1	p- & m- Xylenes	ND		ug/L	1.00	0.578	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
105-05-5	p-Diethylbenzene	ND		ug/L	0.500	0.341	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
622-96-8	p-Ethyltoluene	ND		ug/L	0.500	0.200	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
99-87-6	p-Isopropyltoluene	ND		ug/L	0.500	0.377	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
135-98-8	sec-Butylbenzene	ND		ug/L	0.500	0.444	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
100-42-5	Styrene	ND		ug/L	0.500	0.255	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	1.00	0.608	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
98-06-6	tert-Butylbenzene	ND		ug/L	0.500	0.367	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
127-18-4	Tetrachloroethylene	ND		ug/L	0.500	0.239	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
108-88-3	Toluene	ND		ug/L	0.500	0.346	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.500	0.279	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.500	0.229	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
79-01-6	Trichloroethylene	ND		ug/L	0.500	0.249	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
75-69-4	Trichlorofluoromethane	ND		ug/L	0.500	0.337	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
75-01-4	Vinyl Chloride	ND		ug/L	0.500	0.469	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	
1330-20-7	Xylenes, Total	ND		ug/L	1.50	0.839	1	EPA 8260D	08/25/25 07:23	08/26/25 03:17	

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	SURR: 1,2-Dichloroethane-d4	*98.0 %*	*69-130*
460-00-4	SURR: p-Bromofluorobenzene	*90.8 %*	*79-122*
2037-26-5	SURR: Toluene-d8	*111 %*	*81-117*

FORM I

METHOD BLANK DATA SHEET

EPA 8260D

CLEAN BLANK

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51909-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50043
Preparation:	EPA 5035A	Prepared:	08/26/25 08:00	File ID:	V2-637380.D
Instrument:	MS VOA 2	Analyzed:	08/26/25 09:00	Initial/Final:	5 g / 5 ml
Batch:	BH51909	Sequence:	S5H2620	Matrix:	Soil

Analyzed by: **ALS Environmental - Stratford**

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: EPA 5035A

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
71-55-6	1,1,1-Trichloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
79-00-5	1,1,2-Trichloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
75-34-3	1,1-Dichloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
75-35-4	1,1-Dichloroethylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
96-18-4	1,2,3-Trichloropropane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
106-93-4	1,2-Dibromoethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
95-50-1	1,2-Dichlorobenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
107-06-2	1,2-Dichloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
78-87-5	1,2-Dichloropropane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
541-73-1	1,3-Dichlorobenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
106-46-7	1,4-Dichlorobenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
78-93-3	2-Butanone	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
591-78-6	2-Hexanone	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
108-10-1	4-Methyl-2-pentanone	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
67-64-1	Acetone	ND		mg/kg wet	0.010	0.0050	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
107-02-8	Acrolein	ND		mg/kg wet	0.010	0.0050	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
107-13-1	Acrylonitrile	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
71-43-2	Benzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
74-97-5	Bromochloromethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
75-27-4	Bromodichloromethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
75-25-2	Bromoform	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
74-83-9	Bromomethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
75-15-0	Carbon disulfide	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
56-23-5	Carbon tetrachloride	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
108-90-7	Chlorobenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
75-00-3	Chloroethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
67-66-3	Chloroform	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
74-87-3	Chloromethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
110-82-7	Cyclohexane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
124-48-1	Dibromochloromethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
74-95-3	Dibromomethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
75-71-8	Dichlorodifluoromethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
100-41-4	Ethyl Benzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	

FORM I

METHOD BLANK DATA SHEET
EPA 8260D

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Laboratory ID:	BH51909-BLK1
Project:	HPN HVAC J4257006, 10.2			Calibration:	SH50043
Preparation:	EPA 5035A	Prepared:	08/26/25 08:00	File ID:	V2-637380.D
Instrument:	MS VOA 2	Analyzed:	08/26/25 09:00	Initial/Final:	5 g / 5 ml
Batch:	BH51909	Sequence:	S5H2620	Matrix:	Soil

Volatile Organic Compounds by GC/MS
Sample Prepared by Method: EPA 5035A

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
98-82-8	Isopropylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
79-20-9	Methyl acetate	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
108-87-2	Methylcyclohexane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
75-09-2	Methylene chloride	ND		mg/kg wet	0.010	0.0050	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
104-51-8	n-Butylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
103-65-1	n-Propylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
95-47-6	o-Xylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
179601-23-1	p- & m- Xylenes	ND		mg/kg wet	0.010	0.0050	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
99-87-6	p-Isopropyltoluene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
135-98-8	sec-Butylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
100-42-5	Styrene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg wet	0.025	0.012	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
98-06-6	tert-Butylbenzene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
127-18-4	Tetrachloroethylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
108-88-3	Toluene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
110-57-6	trans-1,4-dichloro-2-butene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
79-01-6	Trichloroethylene	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
75-69-4	Trichlorofluoromethane	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
75-01-4	Vinyl Chloride	ND		mg/kg wet	0.0050	0.0025	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	
1330-20-7	Xylenes, Total	ND		mg/kg wet	0.015	0.0075	1	EPA 8260D	08/26/25 08:00	08/26/25 09:00	

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	SURR: 1,2-Dichloroethane-d4	*103 %*	*77-125*
460-00-4	SURR: p-Bromofluorobenzene	*114 %*	*76-130*
2037-26-5	SURR: Toluene-d8	*108 %*	*85-120*

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1735
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Lab File ID:	V5449080.D	Injection Date:	08/09/25
Instrument ID:	VOA No. 5	Injection Time:	10:26
Sequence:	S5H1226	Lab Sample ID:	S5H1226-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	18.5	PASS
75	30 - 60% of 95	49.1	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.83	PASS
173	Less than 2% of 174	0.804	PASS
174	50 - 100% of 95	82.6	PASS
175	5 - 9% of 174	7.14	PASS
176	95 - 101% of 174	97	PASS
177	5 - 10% of 176	6.51	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1735
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Lab File ID:	V10C14126.D	Injection Date:	08/09/25
Instrument ID:	VOA No. 10	Injection Time:	07:26
Sequence:	S5H1812	Lab Sample ID:	S5H1812-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	20.5	PASS
75	30 - 60% of 95	47.1	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.57	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	67	PASS
175	5 - 9% of 174	7.32	PASS
176	95 - 101% of 174	95.1	PASS
177	5 - 10% of 176	6.6	PASS



FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1735
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Lab File ID:	V2-637078.D	Injection Date:	08/12/25
Instrument ID:	MS VOA 2	Injection Time:	13:44
Sequence:	S5H1911	Lab Sample ID:	S5H1911-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	15.7	PASS
75	30 - 60% of 95	46.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.64	PASS
173	Less than 2% of 174	0.685	PASS
174	50 - 100% of 95	85.2	PASS
175	5 - 9% of 174	7.23	PASS
176	95 - 101% of 174	97	PASS
177	5 - 10% of 176	6.83	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1735
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Lab File ID:	V5449470.D	Injection Date:	08/23/25
Instrument ID:	VOA No. 5	Injection Time:	07:31
Sequence:	S5H2516	Lab Sample ID:	S5H2516-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	19.7	PASS
75	30 - 60% of 95	51.1	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.72	PASS
173	Less than 2% of 174	0.724	PASS
174	50 - 100% of 95	83.8	PASS
175	5 - 9% of 174	7.29	PASS
176	95 - 101% of 174	96.5	PASS
177	5 - 10% of 176	6.54	PASS



assoc aq blanks only, no eval

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1735
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Lab File ID:	V10C14600.D	Injection Date:	08/25/25
Instrument ID:	VOA No. 10	Injection Time:	01:27
Sequence:	S5H2528	Lab Sample ID:	S5H2528-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	20.3	PASS
75	30 - 60% of 95	46.1	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.27	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	68.7	PASS
175	5 - 9% of 174	6.98	PASS
176	95 - 101% of 174	97	PASS
177	5 - 10% of 176	6.36	PASS

assoc aq blanks only, no eval

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1735
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Lab File ID:	V10C14649.D	Injection Date:	08/26/25
Instrument ID:	VOA No. 10	Injection Time:	00:55
Sequence:	S5H2613	Lab Sample ID:	S5H2613-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	19.7	PASS
75	30 - 60% of 95	49.3	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.71	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	77.2	PASS
175	5 - 9% of 174	6.81	PASS
176	95 - 101% of 174	99.2	PASS
177	5 - 10% of 176	6.53	PASS



FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1735
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Lab File ID:	V2-637376.D	Injection Date:	08/26/25
Instrument ID:	MS VOA 2	Injection Time:	07:03
Sequence:	S5H2620	Lab Sample ID:	S5H2620-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	16.6	PASS
75	30 - 60% of 95	48.5	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.5	PASS
173	Less than 2% of 174	0.821	PASS
174	50 - 100% of 95	85.9	PASS
175	5 - 9% of 174	7.09	PASS
176	95 - 101% of 174	96.5	PASS
177	5 - 10% of 176	6.42	PASS

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Sequence: S5H1226
Instrument: VOA No. 5 assoc 3,4,9,10
Calibration: SH50025

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H1226-TUN1	V5449080.D	08/09/25 10:26
Cal Standard	S5H1226-CAL1	V5449081.D	08/09/25 10:54
Cal Standard	S5H1226-CAL2	V5449082.D	08/09/25 11:21
Cal Standard	S5H1226-CAL3	V5449083.D	08/09/25 11:48
Cal Standard	S5H1226-CAL4	V5449084.D	08/09/25 12:16
Cal Standard	S5H1226-CAL5	V5449085.D	08/09/25 12:43
Cal Standard	S5H1226-CAL6	V5449086.D	08/09/25 13:10
Cal Standard	S5H1226-CAL7	V5449087.D	08/09/25 13:38
Cal Standard	S5H1226-CAL8	V5449088.D	08/09/25 14:05
Cal Standard	S5H1226-CAL9	V5449089.D	08/09/25 14:32
Secondary Cal Check	S5H1226-SCV1	V5449091.D	08/09/25 15:27

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Sequence: S5H1812
Instrument: VOA No. 10
Calibration: SH50039

assoc aq blanks only, no eval

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H1812-TUN1	V10C14126.D	08/09/25 07:26
Cal Standard	S5H1812-CAL1	V10C14129.D	08/09/25 11:58
Cal Standard	S5H1812-CAL2	V10C14130.D	08/09/25 12:26
Cal Standard	S5H1812-CAL3	V10C14131.D	08/09/25 12:55
Cal Standard	S5H1812-CAL4	V10C14132.D	08/09/25 13:23
Cal Standard	S5H1812-CAL5	V10C14133.D	08/09/25 13:52
Cal Standard	S5H1812-CAL6	V10C14134.D	08/09/25 14:20
Cal Standard	S5H1812-CAL7	V10C14135.D	08/09/25 14:49
Cal Standard	S5H1812-CAL8	V10C14136.D	08/09/25 15:17
Cal Standard	S5H1812-CAL9	V10C14137.D	08/09/25 15:46
Cal Standard	S5H1812-CALA	V10C14138.D	08/09/25 16:14
Secondary Cal Check	S5H1812-SCV1	V10C14141.D	08/09/25 17:40

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Sequence: S5H1911
Instrument: MS VOA 2
Calibration: SH50043

assoc 1,2

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H1911-TUN1	V2-637078.D	08/12/25 13:44
Cal Standard	S5H1911-CAL1	V2-637081.D	08/12/25 15:45
Cal Standard	S5H1911-CAL2	V2-637082.D	08/12/25 16:14
Cal Standard	S5H1911-CAL3	V2-637083.D	08/12/25 16:43
Cal Standard	S5H1911-CAL4	V2-637084.D	08/12/25 17:11
Cal Standard	S5H1911-CAL5	V2-637085.D	08/12/25 17:40
Cal Standard	S5H1911-CAL6	V2-637086.D	08/12/25 18:09
Cal Standard	S5H1911-CAL7	V2-637087.D	08/12/25 18:37
Cal Standard	S5H1911-CAL8	V2-637088.D	08/12/25 19:06
Cal Standard	S5H1911-CAL9	V2-637089.D	08/12/25 19:35
Secondary Cal Check	S5H1911-SCV1	V2-637097.D	08/13/25 11:24

FORM V **ANALYSIS BATCH (SEQUENCE) SUMMARY**

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2516	Instrument:	VOA No. 5
		Calibration:	SH50025

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H2516-TUN1	V5449470.D	08/23/25 07:31
Calibration Check	S5H2516-CCV1	V5449471.D	08/23/25 07:58
LCS	BH51799-BS1	V5449472.D	08/23/25 08:32
LCS Dup	BH51799-BSD1	V5449473.D	08/23/25 08:59
Blank	BH51799-BLK1	V5449474.D	08/23/25 09:26
HVAC SW East-S-1	25H1535-03	V5449475.D	08/23/25 09:54
HVAC Bottom 3 ft	25H1535-09	V5449476.D	08/23/25 10:21
HVAC Bottom 3 ft	BH51799-MS1	V5449477.D	08/23/25 10:48
HVAC Bottom 3 ft	BH51799-MSD1	V5449478.D	08/23/25 11:16
HVAC DUP	25H1535-10	V5449479.D	08/23/25 11:43
HVAC SW West-S-1	25H1535-04	V5449490.D	08/23/25 16:45



FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2528	Instrument:	VOA No. 10
		Calibration:	SH50039

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H2528-TUN1	V10C14600.D	08/25/25 01:27
Calibration Check	S5H2528-CCV1	V10C14601.D	08/25/25 01:55
LCS	BH51827-BS1	V10C14602.D	08/25/25 02:24
LCS Dup	BH51827-BSD1	V10C14603.D	08/25/25 02:52
Blank	BH51827-BLK1	V10C14606.D	08/25/25 04:18
Trip Blank	25H1535-11	V10C14609.D	08/25/25 05:44

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2613	Instrument:	VOA No. 10
		Calibration:	SH50039

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H2613-TUN1	V10C14649.D	08/26/25 00:55
Calibration Check	S5H2613-CCV1	V10C14650.D	08/26/25 01:24
LCS	BH51891-BS1	V10C14651.D	08/26/25 01:52
LCS Dup	BH51891-BSD1	V10C14652.D	08/26/25 02:20
Blank	BH51891-BLK1	V10C14654.D	08/26/25 03:17
Field Blank	25H1535-12	V10C14657.D	08/26/25 04:43

FORM V **ANALYSIS BATCH (SEQUENCE) SUMMARY**

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2620	Instrument:	MS VOA 2
		Calibration:	SH50043

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S5H2620-TUN1	V2-637376.D	08/26/25 07:03
Calibration Check	S5H2620-CCV1	V2-637377.D	08/26/25 07:32
LCS	BH51909-BS1	V2-637378.D	08/26/25 08:03
LCS Dup	BH51909-BSD1	V2-637379.D	08/26/25 08:32
Blank	BH51909-BLK1	V2-637380.D	08/26/25 09:00
HVAC SW North-S-1	25H1535-01	V2-637384.D	08/26/25 10:55
HVAC SW South-S-1	25H1535-02	V2-637385.D	08/26/25 11:24



calibration validated in 25H1532

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8260D

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H1226

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: VOA No. 5

Calibration: SH50025

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H1226-CAL1)			Lab File ID: V5449081.D			Analyzed: 08/09/25 10:54			
ISTD: Fluorobenzene	160345	5.914	162429	5.918	99	50 - 200	-0.0040	+/-0.50	
ISTD: Chlorobenzene-d5	630243	8.946	670020	8.947	94	50 - 200	-0.0010	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	313749	11.924	329368	11.927	95	50 - 200	-0.0030	+/-0.50	
Cal Standard (S5H1226-CAL2)			Lab File ID: V5449082.D			Analyzed: 08/09/25 11:21			
ISTD: Fluorobenzene	159706	5.915	162429	5.918	98	50 - 200	-0.0030	+/-0.50	
ISTD: Chlorobenzene-d5	630703	8.947	670020	8.947	94	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	311785	11.924	329368	11.927	95	50 - 200	-0.0030	+/-0.50	
Cal Standard (S5H1226-CAL3)			Lab File ID: V5449083.D			Analyzed: 08/09/25 11:48			
ISTD: Fluorobenzene	159431	5.915	162429	5.918	98	50 - 200	-0.0030	+/-0.50	
ISTD: Chlorobenzene-d5	647297	8.947	670020	8.947	97	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	317923	11.924	329368	11.927	97	50 - 200	-0.0030	+/-0.50	
Cal Standard (S5H1226-CAL4)			Lab File ID: V5449084.D			Analyzed: 08/09/25 12:16			
ISTD: Fluorobenzene	162429	5.918	162429	5.918	100	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	670020	8.947	670020	8.947	100	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	329368	11.927	329368	11.927	100	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1226-CAL5)			Lab File ID: V5449085.D			Analyzed: 08/09/25 12:43			
ISTD: Fluorobenzene	163636	5.915	162429	5.918	101	50 - 200	-0.0030	+/-0.50	
ISTD: Chlorobenzene-d5	680914	8.947	670020	8.947	102	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	336130	11.927	329368	11.927	102	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1226-CAL6)			Lab File ID: V5449086.D			Analyzed: 08/09/25 13:10			
ISTD: Fluorobenzene	170500	5.915	162429	5.918	105	50 - 200	-0.0030	+/-0.50	
ISTD: Chlorobenzene-d5	706522	8.947	670020	8.947	105	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	355549	11.927	329368	11.927	108	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1226-CAL7)			Lab File ID: V5449087.D			Analyzed: 08/09/25 13:38			
ISTD: Fluorobenzene	175976	5.918	162429	5.918	108	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	739712	8.947	670020	8.947	110	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	379681	11.924	329368	11.927	115	50 - 200	-0.0030	+/-0.50	
Cal Standard (S5H1226-CAL8)			Lab File ID: V5449088.D			Analyzed: 08/09/25 14:05			
ISTD: Fluorobenzene	182376	5.918	162429	5.918	112	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	774143	8.946	670020	8.947	116	50 - 200	-0.0010	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	411778	11.927	329368	11.927	125	50 - 200	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8260D

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H1226

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: VOA No. 5

Calibration: SH50025

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H1226-CAL9)			Lab File ID: V5449089.D			Analyzed: 08/09/25 14:32			
ISTD: Fluorobenzene	198378	5.921	162429	5.918	122	50 - 200	0.0030	+/-0.50	
ISTD: Chlorobenzene-d5	836033	8.947	670020	8.947	125	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	466067	11.93	329368	11.927	142	50 - 200	0.0030	+/-0.50	
Secondary Cal Check (S5H1226-SCV1)			Lab File ID: V5449091.D			Analyzed: 08/09/25 15:27			
ISTD: Fluorobenzene	176791	5.914	162429	5.918	109	50 - 200	-0.0040	+/-0.50	
ISTD: Chlorobenzene-d5	708676	8.946	670020	8.947	106	50 - 200	-0.0010	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	366787	11.927	329368	11.927	111	50 - 200	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8260D

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H1812

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: VOA No. 10
Calibration: SH50039

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H1812-CAL1)			Lab File ID: V10C14129.D			Analyzed: 08/09/25 11:58			
ISTD: Fluorobenzene	102902	5.955	126699	5.961	81	50 - 200	-0.0060	+/-0.50	
ISTD: Chlorobenzene-d5	151819	8.991	184294	8.991	82	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	187680	11.991	223912	11.985	84	50 - 200	0.0060	+/-0.50	
Cal Standard (S5H1812-CAL2)			Lab File ID: V10C14130.D			Analyzed: 08/09/25 12:26			
ISTD: Fluorobenzene	124312	5.955	126699	5.961	98	50 - 200	-0.0060	+/-0.50	
ISTD: Chlorobenzene-d5	158246	8.991	184294	8.991	86	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	198177	11.985	223912	11.985	89	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1812-CAL3)			Lab File ID: V10C14131.D			Analyzed: 08/09/25 12:55			
ISTD: Fluorobenzene	104483	5.955	126699	5.961	82	50 - 200	-0.0060	+/-0.50	
ISTD: Chlorobenzene-d5	155668	8.991	184294	8.991	84	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	197034	11.991	223912	11.985	88	50 - 200	0.0060	+/-0.50	
Cal Standard (S5H1812-CAL4)			Lab File ID: V10C14132.D			Analyzed: 08/09/25 13:23			
ISTD: Fluorobenzene	104102	5.961	126699	5.961	82	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	158261	8.991	184294	8.991	86	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	194468	11.985	223912	11.985	87	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1812-CAL5)			Lab File ID: V10C14133.D			Analyzed: 08/09/25 13:52			
ISTD: Fluorobenzene	126699	5.961	126699	5.961	100	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	184294	8.991	184294	8.991	100	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	223912	11.985	223912	11.985	100	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1812-CAL6)			Lab File ID: V10C14134.D			Analyzed: 08/09/25 14:20			
ISTD: Fluorobenzene	109953	5.961	126699	5.961	87	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	165198	8.991	184294	8.991	90	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	202247	11.985	223912	11.985	90	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1812-CAL7)			Lab File ID: V10C14135.D			Analyzed: 08/09/25 14:49			
ISTD: Fluorobenzene	110741	5.961	126699	5.961	87	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	155260	8.991	184294	8.991	84	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	200097	11.985	223912	11.985	89	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1812-CAL8)			Lab File ID: V10C14136.D			Analyzed: 08/09/25 15:17			
ISTD: Fluorobenzene	112676	5.962	126699	5.961	89	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	162627	8.991	184294	8.991	88	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	213942	11.985	223912	11.985	96	50 - 200	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8260D

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H1812

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: VOA No. 10
Calibration: SH50039

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H1812-CAL9)			Lab File ID: V10C14137.D			Analyzed: 08/09/25 15:46			
ISTD: Fluorobenzene	118671	5.962	126699	5.961	94	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	174625	8.991	184294	8.991	95	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	229685	11.991	223912	11.985	103	50 - 200	0.0060	+/-0.50	
Cal Standard (S5H1812-CALA)			Lab File ID: V10C14138.D			Analyzed: 08/09/25 16:14			
ISTD: Fluorobenzene	124236	5.962	126699	5.961	98	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	185089	8.991	184294	8.991	100	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	240910	11.991	223912	11.985	108	50 - 200	0.0060	+/-0.50	
Secondary Cal Check (S5H1812-SCV1)			Lab File ID: V10C14141.D			Analyzed: 08/09/25 17:40			
ISTD: Fluorobenzene	125449	5.961	126699	5.961	99	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	177859	8.991	184294	8.991	97	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	218405	11.991	223912	11.985	98	50 - 200	0.0060	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8260D

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H1911

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: MS VOA 2

Calibration: SH50043

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H1911-CAL1)			Lab File ID: V2-637081.D			Analyzed: 08/12/25 15:45			
ISTD: Fluorobenzene	119818	5.309	146825	5.308	82	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	482417	8.204	630927	8.21	76	50 - 200	-0.0060	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	228245	11.161	263951	11.161	86	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1911-CAL2)			Lab File ID: V2-637082.D			Analyzed: 08/12/25 16:14			
ISTD: Fluorobenzene	117168	5.309	146825	5.308	80	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	497512	8.204	630927	8.21	79	50 - 200	-0.0060	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	237601	11.161	263951	11.161	90	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1911-CAL3)			Lab File ID: V2-637083.D			Analyzed: 08/12/25 16:43			
ISTD: Fluorobenzene	122551	5.309	146825	5.308	83	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	543301	8.204	630927	8.21	86	50 - 200	-0.0060	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	252520	11.161	263951	11.161	96	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1911-CAL4)			Lab File ID: V2-637084.D			Analyzed: 08/12/25 17:11			
ISTD: Fluorobenzene	124066	5.309	146825	5.308	84	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	566934	8.204	630927	8.21	90	50 - 200	-0.0060	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	261655	11.161	263951	11.161	99	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1911-CAL5)			Lab File ID: V2-637085.D			Analyzed: 08/12/25 17:40			
ISTD: Fluorobenzene	136614	5.309	146825	5.308	93	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	604319	8.204	630927	8.21	96	50 - 200	-0.0060	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	268591	11.161	263951	11.161	102	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1911-CAL6)			Lab File ID: V2-637086.D			Analyzed: 08/12/25 18:09			
ISTD: Fluorobenzene	146825	5.308	146825	5.308	100	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	630927	8.21	630927	8.21	100	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	263951	11.161	263951	11.161	100	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1911-CAL7)			Lab File ID: V2-637087.D			Analyzed: 08/12/25 18:37			
ISTD: Fluorobenzene	144889	5.308	146825	5.308	99	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	598167	8.21	630927	8.21	95	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	247293	11.161	263951	11.161	94	50 - 200	0.0000	+/-0.50	
Cal Standard (S5H1911-CAL8)			Lab File ID: V2-637088.D			Analyzed: 08/12/25 19:06			
ISTD: Fluorobenzene	154086	5.309	146825	5.308	105	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	568309	8.21	630927	8.21	90	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	254110	11.167	263951	11.161	96	50 - 200	0.0060	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8260D

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H1911

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: MS VOA 2
Calibration: SH50043

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (S5H1911-CAL9)			Lab File ID: V2-637089.D			Analyzed: 08/12/25 19:35			
ISTD: Fluorobenzene	178314	5.309	146825	5.308	121	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	522239	8.211	630927	8.21	83	50 - 200	0.0010	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	283045	11.167	263951	11.161	107	50 - 200	0.0060	+/-0.50	
Secondary Cal Check (S5H1911-SCV1)			Lab File ID: V2-637097.D			Analyzed: 08/13/25 11:24			
ISTD: Fluorobenzene	144009	5.302	146825	5.308	98	50 - 200	-0.0060	+/-0.50	
ISTD: Chlorobenzene-d5	613526	8.204	630927	8.21	97	50 - 200	-0.0060	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	261214	11.155	263951	11.161	99	50 - 200	-0.0060	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8260D

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2516

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: VOA No. 5

Calibration: SH50025

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5H2516-CCV1)			Lab File ID: V5449471.D			Analyzed: 08/23/25 07:58			
ISTD: Fluorobenzene	188101	5.918	162429	5.918	116	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	740787	8.95	670020	8.947	111	50 - 200	0.0030	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	373574	11.927	329368	11.927	113	50 - 200	0.0000	+/-0.50	
LCS (BH51799-BS1)			Lab File ID: V5449472.D			Analyzed: 08/23/25 08:32			
ISTD: Fluorobenzene	187898	5.918	188101	5.918	100	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	718953	8.947	740787	8.95	97	50 - 200	-0.0030	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	377180	11.927	373574	11.927	101	50 - 200	0.0000	+/-0.50	
LCS Dup (BH51799-BSD1)			Lab File ID: V5449473.D			Analyzed: 08/23/25 08:59			
ISTD: Fluorobenzene	186278	5.921	188101	5.918	99	50 - 200	0.0030	+/-0.50	
ISTD: Chlorobenzene-d5	713942	8.95	740787	8.95	96	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	374276	11.927	373574	11.927	100	50 - 200	0.0000	+/-0.50	
Blank (BH51799-BLK1)			Lab File ID: V5449474.D			Analyzed: 08/23/25 09:26			
ISTD: Fluorobenzene	181398	5.921	188101	5.918	96	50 - 200	0.0030	+/-0.50	
ISTD: Chlorobenzene-d5	678660	8.95	740787	8.95	92	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	326100	11.93	373574	11.927	87	50 - 200	0.0030	+/-0.50	
HVAC SW East-S-1 (25H1535-03)			Lab File ID: V5449475.D			Analyzed: 08/23/25 09:54			
ISTD: Fluorobenzene	171273	5.921	188101	5.918	91	50 - 200	0.0030	+/-0.50	
ISTD: Chlorobenzene-d5	635928	8.95	740787	8.95	86	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	301829	11.927	373574	11.927	81	50 - 200	0.0000	+/-0.50	
HVAC Bottom 3 ft (25H1535-09)			Lab File ID: V5449476.D			Analyzed: 08/23/25 10:21			
ISTD: Fluorobenzene	175323	5.921	188101	5.918	93	50 - 200	0.0030	+/-0.50	
ISTD: Chlorobenzene-d5	653350	8.95	740787	8.95	88	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	321421	11.924	373574	11.927	86	50 - 200	-0.0030	+/-0.50	
Matrix Spike (BH51799-MS1)			Lab File ID: V5449477.D			Analyzed: 08/23/25 10:48			
ISTD: Fluorobenzene	174808	5.918	188101	5.918	93	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	670308	8.947	740787	8.95	90	50 - 200	-0.0030	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	347440	11.927	373574	11.927	93	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (BH51799-MSD1)			Lab File ID: V5449478.D			Analyzed: 08/23/25 11:16			
ISTD: Fluorobenzene	181054	5.918	188101	5.918	96	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	695824	8.95	740787	8.95	94	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	358904	11.931	373574	11.927	96	50 - 200	0.0040	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8260D

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2516

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: VOA No. 5

Calibration: SH50025

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
HVAC DUP (25H1535-10)			Lab File ID: V5449479.D			Analyzed: 08/23/25 11:43			
ISTD: Fluorobenzene	106113	5.921	188101	5.918	56	50 - 200	0.0030	+/-0.50	
ISTD: Chlorobenzene-d5	400458	8.95	740787	8.95	54	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	204531	11.927	373574	11.927	55	50 - 200	0.0000	+/-0.50	
HVAC SW West-S-1 (25H1535-04)			Lab File ID: V5449490.D			Analyzed: 08/23/25 16:45			
ISTD: Fluorobenzene	151100	5.921	188101	5.918	80	50 - 200	0.0030	+/-0.50	
ISTD: Chlorobenzene-d5	565891	8.95	740787	8.95	76	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	281377	11.927	373574	11.927	75	50 - 200	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8260D

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Sequence: S5H2528

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: VOA No. 10
Calibration: SH50039

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5H2528-CCV1)			Lab File ID: V10C14601.D			Analyzed: 08/25/25 01:55			
ISTD: Fluorobenzene	126477	5.961	126699	5.961	100	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	176858	8.991	184294	8.991	96	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	207998	11.985	223912	11.985	93	50 - 200	0.0000	+/-0.50	
LCS (BH51827-BS1)			Lab File ID: V10C14602.D			Analyzed: 08/25/25 02:24			
ISTD: Fluorobenzene	129095	5.962	126477	5.961	102	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	186325	8.992	176858	8.991	105	50 - 200	0.0010	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	221579	11.985	207998	11.985	107	50 - 200	0.0000	+/-0.50	
LCS Dup (BH51827-BSD1)			Lab File ID: V10C14603.D			Analyzed: 08/25/25 02:52			
ISTD: Fluorobenzene	131295	5.962	126477	5.961	104	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	188135	8.992	176858	8.991	106	50 - 200	0.0010	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	225928	11.991	207998	11.985	109	50 - 200	0.0060	+/-0.50	
Blank (BH51827-BLK1)			Lab File ID: V10C14606.D			Analyzed: 08/25/25 04:18			
ISTD: Fluorobenzene	125365	5.962	126477	5.961	99	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	177716	8.991	176858	8.991	100	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	212794	11.985	207998	11.985	102	50 - 200	0.0000	+/-0.50	
Trip Blank (25H1535-11)			Lab File ID: V10C14609.D			Analyzed: 08/25/25 05:44			
ISTD: Fluorobenzene	124181	5.962	126477	5.961	98	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	175083	8.991	176858	8.991	99	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	197538	11.991	207998	11.985	95	50 - 200	0.0060	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8260D

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2613

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: VOA No. 10

Calibration: SH50039

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5H2613-CCV1)			Lab File ID: V10C14650.D			Analyzed: 08/26/25 01:24			
ISTD: Fluorobenzene	108545	5.961	126699	5.961	86	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	156228	8.991	184294	8.991	85	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	239619	11.991	223912	11.985	107	50 - 200	0.0060	+/-0.50	
LCS (BH51891-BS1)			Lab File ID: V10C14651.D			Analyzed: 08/26/25 01:52			
ISTD: Fluorobenzene	110203	5.961	108545	5.961	102	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	160034	8.991	156228	8.991	102	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	250095	11.991	239619	11.991	104	50 - 200	0.0000	+/-0.50	
LCS Dup (BH51891-BSD1)			Lab File ID: V10C14652.D			Analyzed: 08/26/25 02:20			
ISTD: Fluorobenzene	113301	5.961	108545	5.961	104	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	166033	8.991	156228	8.991	106	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	269293	11.991	239619	11.991	112	50 - 200	0.0000	+/-0.50	
Blank (BH51891-BLK1)			Lab File ID: V10C14654.D			Analyzed: 08/26/25 03:17			
ISTD: Fluorobenzene	111727	5.961	108545	5.961	103	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	159154	8.991	156228	8.991	102	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	246793	11.991	239619	11.991	103	50 - 200	0.0000	+/-0.50	
Field Blank (25H1535-12)			Lab File ID: V10C14657.D			Analyzed: 08/26/25 04:43			
ISTD: Fluorobenzene	107740	5.962	108545	5.961	99	50 - 200	0.0010	+/-0.50	
ISTD: Chlorobenzene-d5	155513	8.992	156228	8.991	100	50 - 200	0.0010	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	233310	11.991	239619	11.991	97	50 - 200	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8260D

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Sequence: S5H2620

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: MS VOA 2

Calibration: SH50043

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5H2620-CCV1)			Lab File ID: V2-637377.D			Analyzed: 08/26/25 07:32			
ISTD: Fluorobenzene	190033	5.302	146825	5.308	129	50 - 200	-0.0060	+/-0.50	
ISTD: Chlorobenzene-d5	779120	8.204	630927	8.21	123	50 - 200	-0.0060	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	334954	11.155	263951	11.161	127	50 - 200	-0.0060	+/-0.50	
LCS (BH51909-BS1)			Lab File ID: V2-637378.D			Analyzed: 08/26/25 08:03			
ISTD: Fluorobenzene	192627	5.302	190033	5.302	101	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	784857	8.204	779120	8.204	101	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	344536	11.161	334954	11.155	103	50 - 200	0.0060	+/-0.50	
LCS Dup (BH51909-BSD1)			Lab File ID: V2-637379.D			Analyzed: 08/26/25 08:32			
ISTD: Fluorobenzene	194414	5.309	190033	5.302	102	50 - 200	0.0070	+/-0.50	
ISTD: Chlorobenzene-d5	790553	8.204	779120	8.204	101	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	349424	11.161	334954	11.155	104	50 - 200	0.0060	+/-0.50	
Blank (BH51909-BLK1)			Lab File ID: V2-637380.D			Analyzed: 08/26/25 09:00			
ISTD: Fluorobenzene	181676	5.309	190033	5.302	96	50 - 200	0.0070	+/-0.50	
ISTD: Chlorobenzene-d5	651640	8.205	779120	8.204	84	50 - 200	0.0010	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	286831	11.161	334954	11.155	86	50 - 200	0.0060	+/-0.50	
HVAC SW North-S-1 (25H1535-01)			Lab File ID: V2-637384.D			Analyzed: 08/26/25 10:55			
ISTD: Fluorobenzene	5146	5.309	190033	5.302	3	50 - 200	0.0070	+/-0.50	*
ISTD: Chlorobenzene-d5	20613	8.204	779120	8.204	3	50 - 200	0.0000	+/-0.50	*
ISTD: 1,2-Dichlorobenzene-d4	8159	11.161	334954	11.155	2	50 - 200	0.0060	+/-0.50	*
HVAC SW South-S-1 (25H1535-02)			Lab File ID: V2-637385.D			Analyzed: 08/26/25 11:24			
ISTD: Fluorobenzene	140094	5.309	190033	5.302	74	50 - 200	0.0070	+/-0.50	
ISTD: Chlorobenzene-d5	524129	8.204	779120	8.204	67	50 - 200	0.0000	+/-0.50	
ISTD: 1,2-Dichlorobenzene-d4	216817	11.161	334954	11.155	65	50 - 200	0.0060	+/-0.50	

sample 1 qual J-/UR:IS- for all analytes

FORM VI

INITIAL CALIBRATION DATA

EPA 8260D

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50025

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: VOA No. 5

Calibration Date: 08/09/25 07:00

assoc 3,4,9,10

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	1	~~0.14066~~	2.5	~~0.1529405~~	5	0.1566669	10	0.1760544	20	0.2014829	50	0.2117146
1,1,1-Trichloroethane	1	~~1.038386~~	2.5	~~1.052309~~	5	1.081973	10	1.14961	20	1.269128	50	1.319912
1,1,2,2-Tetrachloroethane	1	~~0.5075713~~	2.5	~~0.506118~~	5	0.4850546	10	0.5090203	20	0.5451388	50	0.513946
1,1,2-Trichloro-1,2,2-triflu oroethane (Freon 113)	1	~~1.161558~~	2.5	~~1.091881~~	5	1.019438	10	1.015244	20	1.043856	50	0.951478
1,1,2-Trichloroethane	1	~~0.2042069~~	2.5	~~0.1926105~~	5	0.1782798	10	0.1862556	20	0.1989348	50	0.1924696
1,1-Dichloroethane	1	~~1.917428~~	2.5	~~1.786908~~	5	1.693021	10	1.674085	20	1.781897	50	1.778809
1,1-Dichloroethylene	1	~~1.484923~~	2.5	~~1.43113~~	5	1.308591	10	1.318915	20	1.365454	50	1.263865
1,1-Dichloropropylene	1	~~1.169354~~	2.5	~~1.288743~~	5	1.269327	10	1.363642	20	1.46392	50	1.442933
1,2,3-Trichlorobenzene	1	~~0.4640652~~	2.5	~~0.4546081~~	5	0.4350424	10	0.4843367	20	0.5531863	50	0.5589047
1,2,3-Trichloropropane	1	~~0.1549009~~	2.5	~~0.1444585~~	5	0.1500678	10	0.1517148	20	0.1632627	50	0.1517569
1,2,3-Trimethylbenzene	1	~~1.134028~~	2.5	~~1.383774~~	5	1.546381	10	1.720583	20	1.86921	50	1.813646
1,2,4,5-Tetramethylbenzene	1	~~0.7211178~~	2.5	~~0.9087031~~	5	1.103129	10	1.399969	20	1.661619	50	1.717772
1,2,4-Trichlorobenzene	1	~~0.4600811~~	2.5	~~0.4183652~~	5	0.409942	10	0.4457932	20	0.5332014	50	0.5639982
1,2,4-Trimethylbenzene	1	~~0.9934693~~	2.5	~~1.237455~~	5	1.482843	10	1.631352	20	1.838083	50	1.781223
1,2-Dibromo-3-chloropropa ne	1	~~1.880484E-02~~	2.5	~~0.0416954~~	5	4.460199E-02	10	5.598601E-02	20	7.186951E-02	50	7.666735E-02
1,2-Dibromoethane	1	~~0.1523222~~	2.5	~~0.1641026~~	5	0.158737	10	0.169689	20	0.1843405	50	0.1861173
1,2-Dichlorobenzene	1	~~1.152992~~	2.5	~~1.050916~~	5	0.9752676	10	0.97007	20	1.022023	50	0.9698719
1,2-Dichloroethane	1	~~1.651439~~	2.5	~~1.486106~~	5	1.337318	10	1.328211	20	1.37265	50	1.29583
1,2-Dichloropropane	1	~~0.2522043~~	2.5	~~0.2518777~~	5	0.2409404	10	0.2466643	20	0.2582889	50	0.2532745
1,3,5-Trimethylbenzene	1	~~1.397455~~	2.5	~~1.661081~~	5	1.616775	10	1.719551	20	1.848332	50	1.75818
1,3-Dichlorobenzene	1	~~1.062633~~	2.5	~~1.061886~~	5	1.000525	10	0.9812125	20	1.052368	50	1.010766
1,3-Dichloropropane	1	~~0.3250334~~	2.5	~~0.3257952~~	5	0.3175049	10	0.3360795	20	0.3641429	50	0.3573958
1,4-Dichlorobenzene	1	~~0.9601624~~	2.5	~~0.9859358~~	5	0.9077355	10	0.9157842	20	1.01068	50	0.967636
1,4-Dioxane	25	~~9.520137E-04~~	62.5	~~1.598217E-03~~	125	1.825437E-03	250	2.085609E-03	500	2.288542E-03	1250	0.0022585
2,2-Dichloropropane	1	~~0.7646013~~	2.5	~~0.8062315~~	5	0.7639041	10	0.8300858	20	0.9708285	50	1.048006
2-Butanone	1	~~6.330101E-02~~	2.5	~~9.918225E-02~~	5	0.1024895	10	0.1114333	20	0.1255378	50	0.1222229
2-Chloroethylvinyl ether	1	~~5.164675E-02~~	2.5	~~5.584245E-02~~	5	6.846934E-02	10	8.791529E-02	20	0.1044405	50	0.1090865
2-Chlorotoluene	1	~~1.509168~~	2.5	~~1.660696~~	5	1.674116	10	1.734625	20	1.856387	50	1.78158

FORM VI INITIAL CALIBRATION DATA

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50025
Instrument: VOA No. 5
Calibration Date: 08/09/25 07:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
2-Hexanone	1	~~8.798194E-02~~	2.5	~~0.0947197~~	5	0.1077867	10	0.1244515	20	0.1500557	50	0.1554205
2-Nitropropane	5	~~2.565677E-02~~	12.5	~~2.711895E-02~~	25	3.012527E-02	50	3.714814E-02	100	4.527003E-02	250	0.051073
4-Chlorotoluene	1	~~1.529089~~	2.5	~~1.583142~~	5	1.49489	10	1.525755	20	1.640578	50	1.552183
4-Methyl-2-pentanone	1	~~0.1228098~~	2.5	~~0.1419051~~	5	0.1509354	10	0.1748903	20	0.2023126	50	0.2126048
Acetone	1	~~0.5142037~~	2.5	~~0.8981504~~	5	0.4747508	10	0.3458434	20	0.2992618	50	0.2397713
Acrolein	4	~~0.1144407~~	10	~~0.1226942~~	20	0.1117098	40	0.1155428	80	0.1113027	200	0.1067331
Acrylonitrile	5	~~0.2817674~~	12.5	~~0.2493832~~	25	0.2581556	50	0.2656176	100	0.2556956	250	0.2486463
Allyl chloride	1	~~1.476504~~	2.5	~~1.4151~~	5	1.362094	10	1.36789	20	1.454157	50	1.368158
Benzene	1	~~4.516199~~	2.5	~~4.173043~~	5	3.881052	10	3.960161	20	4.172172	50	4.01539
Bromobenzene	1	~~0.9088475~~	2.5	~~0.8484052~~	5	0.8042513	10	0.8080779	20	0.8653497	50	0.8340173
Bromochloromethane	1	~~0.821354~~	2.5	~~0.8166255~~	5	0.7854809	10	0.8151562	20	0.8500727	50	0.8116129
Bromodichloromethane	1	~~0.1942901~~	2.5	~~0.1967646~~	5	0.1962778	10	0.2175756	20	0.2512432	50	0.269366
Bromoform	1	~~4.696601E-02~~	2.5	~~5.473258E-02~~	5	6.006516E-02	10	6.928898E-02	20	8.559084E-02	50	0.1039769
Bromomethane	1	~~1.054289~~	2.5	~~0.8098631~~	5	0.8963125	10	0.8087534	20	0.8049726	50	0.706088
Carbon disulfide	1	~~2.505847~~	2.5	~~2.210437~~	5	2.107056	10	2.271577	20	2.471446	50	2.395396
Carbon tetrachloride	1	~~0.3823007~~	2.5	~~0.7388577~~	5	0.7841637	10	0.9165543	20	1.0806	50	1.164082
Chlorobenzene	1	~~0.7813653~~	2.5	~~0.7190706~~	5	0.6643627	10	0.658749	20	0.6892904	50	0.6633198
Chloroethane	1	~~0.7225046~~	2.5	~~0.6892665~~	5	0.6534488	10	0.6460977	20	0.6563501	50	0.5880059
Chloroform	1	~~1.738751~~	2.5	~~1.632124~~	5	1.626033	10	1.650598	20	1.753587	50	1.697179
Chloromethane	1	~~1.442826~~	2.5	~~1.355115~~	5	1.251576	10	1.200001	20	1.194557	50	1.089683
cis-1,2-Dichloroethylene	1	~~1.492095~~	2.5	~~1.46419~~	5	1.377273	10	1.435766	20	1.562477	50	1.534469
cis-1,3-Dichloropropylene	1	~~0.1725525~~	2.5	~~0.1976208~~	5	0.2143684	10	0.2625519	20	0.321219	50	0.3573095
cis-decahydronaphthalene	1	~~0.1915544~~	2.5	~~0.2508139~~	5	0.2599372	10	0.335825	20	0.394282	50	0.4024509
Cyclohexane	1	~~1.337429~~	2.5	~~1.484227~~	5	1.586329	10	1.716411	20	1.850189	50	1.83139
Dibromochloromethane	1	~~9.781941E-02~~	2.5	~~0.1105116~~	5	0.1218297	10	0.144033	20	0.1754407	50	0.1931702
Dibromomethane	1	~~0.1279665~~	2.5	~~0.1237667~~	5	0.1230656	10	0.1268693	20	0.1348739	50	0.133199
Dichlorodifluoromethane	1	~~1.244816~~	2.5	~~1.351609~~	5	1.067358	10	1.070345	20	0.9597369	50	0.8460293
Diisopropyl ether (DIPE)	1	~~3.075244~~	2.5	~~2.848484~~	5	2.837089	10	2.888524	20	2.891249	50	3.087806
Ethanol	40	~~8.676604E-03~~	100	~~6.465004E-03~~	200	6.487132E-03	400	5.77714E-03	800	6.066437E-03	2000	5.264076E-03

FORM VI

INITIAL CALIBRATION DATA

EPA 8260D

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50025

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: VOA No. 5

Calibration Date: 08/09/25 07:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Ethyl Benzene	1	~~1.051103~~	2.5	~~1.002564~~	5	0.9848184	10	1.052931	20	1.157312	50	1.165574
Ethyl Ether	1	~~0.7589884~~	2.5	~~0.7049203~~	5	0.6671225	10	0.671401	20	0.694239	50	0.6307097
Ethyl Methacrylate	1	~~0.1662851~~	2.5	~~0.1685421~~	5	0.1998619	10	0.2399257	20	0.2892472	50	0.3063387
Ethyl tert-butyl ether (ETBE)	1	~~2.150675~~	2.5	~~1.998547~~	5	1.778136	10	1.959564	20	2.221745	50	2.282991
Hexachlorobutadiene	1	~~0.3219134~~	2.5	~~0.3235563~~	5	0.3144787	10	0.3175172	20	0.3537694	50	0.3482108
Hexachloroethane	1	~~0.1490045~~	2.5	~~0.163446~~	5	0.1842899	10	0.2119362	20	0.2634769	50	0.2923535
Iodomethane	1	~~1.002214~~	2.5	~~0.8836237~~	5	0.8872177	10	0.9686386	20	1.109841	50	1.155466
Isopropylbenzene	1	~~1.094187~~	2.5	~~1.248745~~	5	1.449313	10	1.742838	20	2.081933	50	2.127223
Limonene	1	~~0.3000806~~	2.5	~~0.3880238~~	5	0.4219261	10	0.5159427	20	0.6029661	50	0.6207639
Methyl acetate	1	~~0.6903864~~	2.5	~~0.6033587~~	5	0.5755468	10	0.559506	20	0.5469609	50	0.5069208
Methyl Methacrylate	1	~~0.0971054~~	2.5	~~0.115839~~	5	0.1222468	10	0.1313767	20	0.1498758	50	0.1582513
Methyl tert-butyl ether (MTBE)	1	~~2.254514~~	2.5	~~2.037118~~	5	2.011528	10	2.087589	20	2.077339	50	2.113935
Methylcyclohexane	1	~~0.3389169~~	2.5	~~0.3476121~~	5	0.375191	10	0.4229277	20	0.4617947	50	0.4680718
Methylene chloride	1	~~7.190121~~	2.5	~~3.547018~~	5	2.172413	10	1.528391	20	1.261535	50	1.048164
Naphthalene	1	~~1.182474~~	2.5	~~0.9582886~~	5	0.9162911	10	1.137573	20	1.439146	50	1.486071
n-butyl acetate	1	~~6.917967E-02~~	2.5	~~0.0842869~~	5	9.295578E-02	10	0.116392	20	0.139254	50	0.1474547
n-Butylbenzene	1	~~1.995385~~	2.5	~~2.269513~~	5	2.284515	10	2.329522	20	2.473388	50	2.342265
n-Decane	1	~~0.7456597~~	2.5	~~1.020896~~	5	0.9605785	10	1.035939	20	1.086812	50	1.027394
n-Hexane	1	~~7.618261~~	2.5	~~3.997345~~	5	2.664852	10	2.151986	20	2.10898	50	1.625672
Nitrobenzene	10	~~1.037454E-02~~	25	~~9.808041E-03~~	50	1.019115E-02	100	1.191676E-02	200	1.626157E-02	500	0.0243702
n-Nonane	1	~~0.3201146~~	2.5	~~0.3568716~~	5	0.3656436	10	0.4189726	20	0.4529573	50	0.4519704
n-octane	1	~~0.2238026~~	2.5	~~0.2198182~~	5	0.226712	10	0.2434405	20	0.2582668	50	0.2583614
n-Propylbenzene	1	~~2.017377~~	2.5	~~2.208509~~	5	2.311157	10	2.539576	20	2.794016	50	2.682485
n-undecane	1	~~0.6538666~~	2.5	~~1.279279~~	5	0.9289356	10	1.050011	20	1.073245	50	0.9976796
o-Xylene	1	~~0.5355077~~	2.5	~~0.5511628~~	5	0.5926955	10	0.7051506	20	0.8340517	50	0.865598
p- & m- Xylenes	2	~~0.786879~~	5	~~0.8510028~~	10	0.832848	20	0.8566759	40	0.9098286	100	0.8956869
p-Ethyltoluene	1	~~1.483829~~	2.5	~~1.788733~~	5	1.904266	10	2.046161	20	2.239453	50	2.242327
p-Isopropyltoluene	1	~~1.163828~~	2.5	~~1.610212~~	5	1.729633	10	1.913589	20	2.093952	50	2.043091

FORM VI

INITIAL CALIBRATION DATA

EPA 8260D

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50025

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: VOA No. 5

Calibration Date: 08/09/25 07:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
sec-Butylbenzene	1	~~1.317454~~	2.5	~~1.655949~~	5	1.790748	10	2.049152	20	2.362062	50	2.318642
Styrene	1	~~0.3735861~~	2.5	~~0.4490545~~	5	0.5205339	10	0.6156383	20	0.7044208	50	0.714609
SURR: 1,2-Dichloroethane-d4	50	1.408394	50	1.388307	50	1.396648	50	1.404484	50	1.400407	50	1.385372
SURR: p-Bromofluorobenzene	50	0.9601274	50	0.9756306	50	0.9759596	50	0.9785711	50	0.9801386	50	0.9492728
SURR: Toluene-d8	50	1.322649	50	1.316626	50	1.298297	50	1.294455	50	1.295594	50	1.294016
tert-Amyl alcohol (TAA)	5	~~2.195266E-02~~	12.5	~~1.653037E-02~~	25	3.383282E-02	50	3.342999E-02	100	4.145481E-02	250	4.795191E-02
tert-Amyl methyl ether (TAME)	1	~~1.399171~~	2.5	~~1.368014~~	5	1.475811	10	1.610088	20	1.83624	50	1.938205
tert-Butyl alcohol (TBA)	5	~~6.436122E-02~~	12.5	~~6.281542E-02~~	25	6.587176E-02	50	6.669991E-02	100	6.734765E-02	250	6.588152E-02
tert-Butylbenzene	1	~~0.8285285~~	2.5	~~0.9495646~~	5	1.054532	10	1.262357	20	1.486895	50	1.512278
Tetrachloroethylene	1	~~0.277988~~	2.5	~~0.2758826~~	5	0.2648707	10	0.276835	20	0.2973907	50	0.2865275
Tetrahydrofuran	5	~~0.2301288~~	12.5	~~0.2429214~~	25	0.2601502	50	0.274563	100	0.2948282	250	0.2931789
Toluene	1	~~1.852381~~	2.5	~~1.369329~~	5	1.121973	10	1.071214	20	1.089334	50	1.050641
trans-1,2-Dichloroethylene	1	~~1.412891~~	2.5	~~1.296006~~	5	1.218145	10	1.285115	20	1.265431	50	1.255455
trans-1,3-Dichloropropylene	1	~~0.1554956~~	2.5	~~0.1447591~~	5	0.1602974	10	0.1986806	20	0.2544962	50	0.2925019
trans-1,4-dichloro-2-butene	1	~~0.539922~~	2.5	~~0.4959187~~	5	0.5009704	10	0.5185082	20	0.5739074	50	0.5797738
trans-decahydronaphthalene	1	~~0.3839056~~	2.5	~~0.5158042~~	5	0.5128286	10	0.5676022	20	0.6039776	50	0.5964269
Trichloroethylene	1	~~0.2572024~~	2.5	~~0.2388446~~	5	0.2347454	10	0.236187	20	0.2553406	50	0.2473525
Trichlorofluoromethane	1	~~1.907138~~	2.5	~~1.998046~~	5	1.816146	10	1.736605	20	1.812392	50	1.665654
Vinyl acetate	1	~~2.974524~~	2.5	~~2.756064~~	5	2.748399	10	2.815168	20	2.827022	50	3.079372
Vinyl Chloride	1	~~1.358321~~	2.5	~~1.260817~~	5	1.160377	10	1.102359	20	1.129428	50	1.027812

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50025
Instrument: VOA No. 5
Calibration Date: 08/09/25 07:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	100	0.2409911	200	0.2672972	400	0.2849306						
1,1,1-Trichloroethane	100	1.471161	200	1.566774	400	1.6318						
1,1,2,2-Tetrachloroethane	100	0.5479732	200	0.5468778	400	0.518585						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	100	1.017721	200	1.012352	400	0.9276659						
1,1,2-Trichloroethane	100	0.2051116	200	0.2148954	400	0.2187868						
1,1-Dichloroethane	100	1.638732	200	1.837786	400	1.782195						
1,1-Dichloroethylene	100	1.34736	200	1.326575	400	1.214248						
1,1-Dichloropropylene	100	1.551373	200	1.61803	400	1.627735						
1,2,3-Trichlorobenzene	100	0.6103044	200	0.6521202	400	0.6685506						
1,2,3-Trichloropropane	100	0.1589137	200	0.1598926	400	0.1526331						
1,2,3-Trimethylbenzene	100	1.89527	200	1.9499	400	1.922712						
1,2,4,5-Tetramethylbenzene	100	1.861552	200	1.954655	400	1.975833						
1,2,4-Trichlorobenzene	100	0.625749	200	0.6686012	400	0.6948845						
1,2,4-Trimethylbenzene	100	1.892798	200	1.957157	400	1.921984						
1,2-Dibromo-3-chloropropane	100	8.712841E-02	200	9.360262E-02	400	9.063101E-02						
1,2-Dibromoethane	100	0.2040247	200	0.2151502	400	0.2166905						
1,2-Dichlorobenzene	100	1.036669	200	1.093354	400	1.119119						
1,2-Dichloroethane	100	1.364859	200	1.401633	400	1.375497						
1,2-Dichloropropane	100	0.2679658	200	0.2744764	400	0.2759598						
1,3,5-Trimethylbenzene	100	1.861967	200	1.878402	400	1.824001						
1,3-Dichlorobenzene	100	1.094569	200	1.177353	400	1.20786						
1,3-Dichloropropane	100	0.3810246	200	0.3937493	400	0.3867624						
1,4-Dichlorobenzene	100	1.026626	200	1.070747	400	1.095549						
1,4-Dioxane	2500	2.430811E-03	5000	2.745165E-03	10000	2.732631E-03						
2,2-Dichloropropane	100	1.220294	200	1.365648	400	1.466069						
2-Butanone	100	0.128813	200	0.1357594	400	0.1351423						
2-Chloroethylvinyl ether	100	0.1185853	200	0.1196914	400	0.1185097						
2-Chlorotoluene	100	1.881573	200	1.92778	400	1.812864						

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50025
Instrument: VOA No. 5
Calibration Date: 08/09/25 07:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
2-Hexanone	100	0.1679688	200	0.1754895	400	0.1671209						
2-Nitropropane	500	5.698055E-02	1000	6.066715E-02	2000	5.893015E-02						
4-Chlorotoluene	100	1.605337	200	1.607639	400	1.522414						
4-Methyl-2-pentanone	100	0.233941	200	0.247244	400	0.2382023						
Acetone	100	0.2328982	200	0.2202442	400	0.2033						
Acrolein	400	0.1165748	800	0.1239513	1600	0.1080962						
Acrylonitrile	500	0.2497556	1000	0.2628252	2000	0.2378795						
Allyl chloride	100	1.466728	200	1.403684	400	1.27546						
Benzene	100	4.278547	200	4.428944	400	4.416991						
Bromobenzene	100	0.8744591	200	0.8784466	400	0.8346718						
Bromochloromethane	100	0.8498943	200	0.8458117	400	0.7991284						
Bromodichloromethane	100	0.3029977	200	0.3236744	400	0.3329422						
Bromoform	100	0.126752	200	0.1453843	400	0.1584227						
Bromomethane	100	0.7242096	200	0.7292366	400	0.4304743						
Carbon disulfide	100	2.751762	200	2.713679	400	2.639884						
Carbon tetrachloride	100	1.327727	200	1.450195	400	1.532601						
Chlorobenzene	100	0.7039503	200	0.7387828	400	0.7545037						
Chloroethane	100	0.6069521	200	0.5867233	400	0.5466212						
Chloroform	100	1.818225	200	1.883274	400	1.896331						
Chloromethane	100	1.123227	200	1.08798	400	1.077517						
cis-1,2-Dichloroethylene	100	1.640599	200	1.698845	400	1.65971						
cis-1,3-Dichloropropylene	100	0.3983659	200	0.4258732	400	0.4316655						
cis-decahydronaphthalene	100	0.433697	200	0.4379138	400	0.456775						
Cyclohexane	100	1.941918	200	1.973174	400	1.93685						
Dibromochloromethane	100	0.2243096	200	0.247059	400	0.2594924						
Dibromomethane	100	0.1424663	200	0.149939	400	0.1534814						
Dichlorodifluoromethane	100	0.8934855	200	0.7280248	400	0.6307246						
Diisopropyl ether (DIPE)	100	2.647696	200	2.916637	400	2.763811						
Ethanol	4000	5.831832E-03	8000	6.38636E-03	16000	5.532194E-03						

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50025
Instrument: VOA No. 5
Calibration Date: 08/09/25 07:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Ethyl Benzene	100	1.252382	200	1.329655	400	1.323395						
Ethyl Ether	100	0.6711995	200	0.6876069	400	0.6253919						
Ethyl Methacrylate	100	0.3386108	200	0.353072	400	0.3506665						
Ethyl tert-butyl ether (ETBE)	100	2.490254	200	2.655593	400	2.697395						
Hexachlorobutadiene	100	0.3742892	200	0.3957339	400	0.427357						
Hexachloroethane	100	0.3365509	200	0.36704	400	0.3840247						
Iodomethane	100	1.376963	200	1.338762	400	1.234244						
Isopropylbenzene	100	2.243512	200	2.28336	400	2.206989						
Limonene	100	0.6712174	200	0.6678574	400	0.6444033						
Methyl acetate	100	0.5374597	200	0.5335639	400	0.5057951						
Methyl Methacrylate	100	0.1726388	200	0.1829242	400	0.1814795						
Methyl tert-butyl ether (MTBE)	100	2.200942	200	2.365709	400	2.328422						
Methylcyclohexane	100	0.4979965	200	0.5162431	400	0.5292635						
Methylene chloride	100	1.003901	200	0.979423	400	0.9144411						
Naphthalene	100	1.629043	200	1.709373	400	1.684216						
n-butyl acetate	100	0.1645221	200	0.1720771	400	0.1673723						
n-Butylbenzene	100	2.494539	200	2.509282	400	2.397206						
n-Decane	100	1.050488	200	0.9511867	400	0.8159795						
n-Hexane	100	1.607211	200	1.640109	400	1.566712						
Nitrobenzene	1000	3.629297E-02	2000	4.585675E-02	4000	0.047992						
n-Nonane	100	0.4813569	200	0.4676132	400	0.444008						
n-octane	100	0.2735666	200	0.2790363	400	0.2863459						
n-Propylbenzene	100	2.787561	200	2.78461	400	2.615538						
n-undecane	100	0.9804428	200	0.8897252	400	0.7416361						
o-Xylene	100	0.9442114	200	1.001757	400	1.012819						
p- & m- Xylenes	200	0.9646001	400	1.022282	800	0.9970801						
p-Ethyltoluene	100	2.382014	200	2.473574	400	2.340819						
p-Isopropyltoluene	100	2.223638	200	2.324892	400	2.317354						

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50025
Instrument: VOA No. 5
Calibration Date: 08/09/25 07:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
sec-Butylbenzene	100	2.462604	200	2.494709	400	2.420906						
Styrene	100	0.7776209	200	0.8395991	400	0.861868						
SURR: 1,2-Dichloroethane-d4	50	1.375483	50	1.383093	50	1.345421						
SURR: p-Bromofluorobenzene	50	0.9163693	50	0.8763169	50	0.8012067						
SURR: Toluene-d8	50	1.279551	50	1.269865	50	1.252772						
tert-Amyl alcohol (TAA)	500	6.026333E-02	1000	7.252955E-02	2000	0.0773362						
tert-Amyl methyl ether (TAME)	100	2.201939	200	2.418697	400	2.522071						
tert-Butyl alcohol (TBA)	500	7.410499E-02	1000	8.349125E-02	2000	8.278665E-02						
tert-Butylbenzene	100	1.610019	200	1.648524	400	1.627859						
Tetrachloroethylene	100	0.3431119	200	0.3550697	400	0.4184694						
Tetrahydrofuran	500	0.3151129	1000	0.3291697	2000	0.308711						
Toluene	100	1.113556	200	1.161349	400	1.175623						
trans-1,2-Dichloroethylene	100	1.258981	200	1.294444	400	1.214752						
trans-1,3-Dichloropropylene	100	0.3425069	200	0.3715324	400	0.3807644						
trans-1,4-dichloro-2-butene	100	0.6338861	200	0.6542785	400	0.6169649						
trans-decahydronaphthalene	100	0.656588	200	0.6872143	400	0.7168921						
Trichloroethylene	100	0.2628449	200	0.2739039	400	0.2846813						
Trichlorofluoromethane	100	1.756714	200	1.624974	400	1.498918						
Vinyl acetate	100	2.674254	200	2.990186	400	2.79086						
Vinyl Chloride	100	1.087134	200	1.032027	400	0.9782089						

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50025

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: VOA No. 5

Calibration Date: 08/09/25 07:00

RSD ≤ 20% or COD ≥ 0.99

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.2198768	21.37024	9.062286	3.177381E-02		0.9994484	0.99	
1,1,1-Trichloroethane	1.355765	15.36274	5.3	4.809545E-02		0.9996563	SPCC (0.1)	
1,1,2,2-Tetrachloroethane	0.5237994	4.555449	10.38229	0.0241032			SPCC (0.3)	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.9982507	4.203645	3.102286	0.0493883			SPCC (0.1)	
1,1,2-Trichloroethane	0.1992477	7.431511	7.948714	0.0122803			SPCC (0.1)	
1,1-Dichloroethane	1.740932	4.155674	4.283857	0.0295929			SPCC (0.2)	
1,1-Dichloroethylene	1.30643	3.957039	3.121714	6.652178E-02			SPCC (0.1)	
1,1-Dichloropropylene	1.476709	8.977506	5.452857	3.076704E-02			20	
1,2,3-Trichlorobenzene	0.5660636	15.11601	14.33543	1.208465E-02		0.9996353	0.99	
1,2,3-Trichloropropane	0.1554631	3.29314	10.43286	2.624499E-02			20	
1,2,3-Trimethylbenzene	1.816815	7.791535	11.554	0.0252495			20	
1,2,4,5-Tetramethylbenzene	1.66779	19.08424	12.74229	8.114175E-03		0.9996514	0.99	
1,2,4-Trichlorobenzene	0.5631671	19.25267	13.76857	9.336323E-03		0.9996053	SPCC (0.2)	
1,2,4-Trimethylbenzene	1.786491	9.63438	11.07243	4.230297E-03			20	
1,2-Dibromo-3-chloropropane	7.435527E-02	24.75437	12.847	1.296905E-02		0.9988183	SPCC (0.05)	
1,2-Dibromoethane	0.1906785	11.67873	8.486143	9.805625E-03			SPCC (0.1)	
1,2-Dichlorobenzene	1.026625	5.923257	11.94814	0.0180485			SPCC (0.4)	
1,2-Dichloroethane	1.353714	2.615786	5.693857	2.666107E-02			SPCC (0.1)	
1,2-Dichloropropane	0.2596529	5.252846	6.496	1.571981E-02			SPCC (0.1)	
1,3,5-Trimethylbenzene	1.786744	5.282998	10.65043	2.018322E-02			20	
1,3-Dichlorobenzene	1.074951	8.276449	11.42071	1.468722E-02			SPCC (0.6)	
1,3-Dichloropropane	0.3623799	7.690148	8.118714	8.889434E-03			20	
1,4-Dichlorobenzene	0.9992511	7.263346	11.52029	2.119039E-02			SPCC (0.5)	
1,4-Dioxane	2.338099E-03	14.24219	6.632286	2.514831E-02		0.9989548	0.99	
2,2-Dichloropropane	1.094976	24.27949	4.823714	5.375169E-02		0.9993201	0.99	
2-Butanone	0.1230569	9.983148	4.852857	5.123898E-02			SPCC (0.1)	
2-Chloroethylvinyl ether	0.103814	18.51389	7.032857	3.292174E-02		0.999716	0.99	
2-Chlorotoluene	1.809846	4.843632	10.583	1.931809E-02			20	
2-Hexanone	0.1497562	16.64783	8.165429	1.941197E-02		0.9993102	SPCC (0.1)	

RF<0.01, non VOC target

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50025
Instrument: VOA No. 5
Calibration Date: 08/09/25 07:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
2-Nitropropane	4.859918E-02	23.94055	6.993714	2.207215E-02		0.9989998	0.99	
4-Chlorotoluene	1.564114	3.461235	10.69986	4.516743E-03			20	
4-Methyl-2-pentanone	0.2085901	16.98234	7.324714	2.383813E-02		0.9992001	SPCC (0.1)	
Acetone	0.28801	33.38629	3.201	3.042352E-03		0.9991871	SPCC (0.1)	
Acrolein	0.1134158	5.164245	3.044571	6.310198E-02			20	
Acrylonitrile	0.2540822	3.732022	3.875571	3.093188E-02			20	
Allyl chloride	1.385453	4.650695	3.488714	4.931116E-02			20	
Benzene	4.164751	5.288599	5.657	2.550613E-02			SPCC (0.5)	
Bromobenzene	0.8427534	3.630378	10.38314	1.721052E-02			20	
Bromochloromethane	0.822451	3.195112	5.077	0.0544608			20	
Bromodichloromethane	0.2705824	19.3598	6.772571	3.605992E-02		0.9994864	SPCC (0.2)	
Bromoform	0.1070687	35.36041	9.888571	1.111871E-02		0.998928	SPCC (0.1)	
Bromomethane	0.7285781	20.18688	2.211	0.1095877		0.9919157	SPCC (0.1)	
Carbon disulfide	2.478686	9.656876	3.349857	4.612491E-02			SPCC (0.1)	
Carbon tetrachloride	1.179418	23.35836	5.454571	2.578087E-02		0.9994514	SPCC (0.1)	
Chlorobenzene	0.696137	5.506893	8.978143	2.055057E-02			SPCC (0.5)	
Chloroethane	0.6120284	6.79011	2.324714	0.1019368			SPCC (0.1)	
Chloroform	1.760747	6.181264	5.146	1.563764E-02			SPCC (0.2)	
Chloromethane	1.146363	5.976715	1.760286	0.1636414			SPCC (0.1)	
cis-1,2-Dichloroethylene	1.558448	7.645444	4.841857	0.0296689			SPCC (0.1)	
cis-1,3-Dichloropropylene	0.3444791	24.13592	7.195857	2.382719E-02		0.9993494	SPCC (0.2)	
cis-decahydronaphthalene	0.3886973	17.78599	12.51414	1.049126E-02		0.9998865	0.99	
Cyclohexane	1.833752	7.616106	5.338143	2.656072E-02			SPCC (0.1)	
Dibromochloromethane	0.1950478	26.52991	8.364857	7.311138E-03		0.9992361	SPCC (0.1)	
Dibromomethane	0.1376992	8.28697	6.629714	3.627164E-02			20	
Dichlorodifluoromethane	0.8851006	18.68359	1.553429	7.404275E-02		0.998099	SPCC (0.1)	
Diisopropyl ether (DIPE)	2.86183	4.768128	4.307857	3.763161E-02			20	
Ethanol	5.906453E-03	7.470305	2.839	6.746398E-02			20	
Ethyl Benzene	1.180867	11.10388	9.066286	0.0128714			SPCC (0.1)	
Ethyl Ether	0.6639529	3.978611	2.885428	5.372758E-02			20	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50025
Instrument: VOA No. 5
Calibration Date: 08/09/25 07:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Ethyl Methacrylate	0.2968175	19.73905	7.796	1.860766E-02		0.999487	0.99	
Ethyl tert-butyl ether (ETBE)	2.297954	15.02427	4.651	3.788229E-02		0.999588	0.99	
Hexachlorobutadiene	0.3616223	11.32003	13.934	1.097128E-02			20	
Hexachloroethane	0.2913817	26.17692	12.219	6.283935E-03		0.9993034	0.99	
Iodomethane	1.153019	15.74575	3.288857	4.186085E-02		0.9989754	0.99	
Isopropylbenzene	2.01931	15.29192	10.00886	1.788447E-02		0.9997177	SPCC (0.1)	
Limonene	0.5921538	15.48274	11.35929	2.613306E-02		0.9997151	0.99	
Methyl acetate	0.5379647	4.784869	3.512	5.143893E-02			SPCC (0.1)	
Methyl Methacrylate	0.1569704	15.23751	6.569857	2.091348E-02		0.9994556	0.99	
Methyl tert-butyl ether (MTBE)	2.169352	6.184206	3.859143	5.784727E-02			SPCC (0.1)	
Methylcyclohexane	0.4673555	11.60873	6.427714	3.147492E-02			SPCC (0.1)	
Methylene chloride	1.27261	35.31696	3.622	1.456648E-02		0.9992556	SPCC (0.1)	
Naphthalene	1.428816	20.89743	14.05486	2.402361E-02		0.999434	0.99	
n-butyl acetate	0.1428611	20.50524	8.275285	8.173202E-03		0.9992688	0.99	
n-Butylbenzene	2.404388	3.711311	11.88029	3.111007E-02			20	
n-Decane	0.9897682	9.148526	10.60686	1.886351E-02			20	
n-Hexane	1.90936	21.71199	4.091857	4.217049E-02		0.9994854	0.99	
Nitrobenzene	2.755449E-02	57.62503	13.08757	6.857498E-03		0.9957152	0.99	
n-Nonane	0.4403603	8.682046	9.154143	0.0139289			20	
n-octane	0.2608185	8.017798	7.566143	1.372403E-02			20	
n-Propylbenzene	2.644992	6.672008	10.46143	2.053121E-02			20	
n-undecane	0.9516679	11.81567	11.94171	1.887645E-02			20	
o-Xylene	0.8508976	18.33854	9.621571	1.996512E-02		0.9995669	SPCC (0.3)	
p- & m- Xylenes	0.9255717	7.699901	9.187428	2.969799E-02			SPCC (0.1)	
p-Ethyltoluene	2.232659	8.860519	10.58343	1.343031E-02			20	
p-Isopropyltoluene	2.092307	10.46912	11.41643	9.895082E-03			20	
sec-Butylbenzene	2.27126	11.36311	11.25929	1.304883E-02			20	
Styrene	0.7191843	16.90581	9.641428	6.228624E-03		0.9995777	SPCC (0.3)	
SURR: 1,2-Dichloroethane-d4	1.387512	1.375747	5.620333	2.522487E-02			20	
SURR: p-Bromofluorobenzene	0.9348437	6.527649	10.20867	2.044287E-02			20	

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260D

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Calibration: SH50025
SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Instrument: VOA No. 5
Calibration Date: 08/09/25 07:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
SURR: Toluene-d8	1.291536	1.685324	7.445667	1.855484E-02			20	
tert-Amyl alcohol (TAA)	0.0523998	34.25421	5.664	0.0369661		0.998083	0.99	
tert-Amyl methyl ether (TAME)	2.000436	19.8502	5.728857	2.662504E-02		0.9993632	0.99	
tert-Butyl alcohol (TBA)	7.231196E-02	10.96008	3.751857	8.965531E-02			20	
tert-Butylbenzene	1.457495	15.16449	11.01529	1.490875E-02		0.9997566	0.99	
Tetrachloroethylene	0.320325	17.09591	8.072	2.530515E-02		0.9997944	SPCC (0.2)	
Tetrahydrofuran	0.2965306	8.003183	5.116571	3.741579E-02			20	
Toluene	1.111956	4.109292	7.513286	7.335918E-03			SPCC (0.4)	
trans-1,2-Dichloroethylene	1.256046	2.423191	3.873	4.767457E-02			SPCC (0.1)	
trans-1,3-Dichloropropylene	0.2858257	29.94332	7.753	3.093376E-02		0.9990266	SPCC (0.1)	
trans-1,4-dichloro-2-butene	0.5826128	9.860932	10.43243	1.924426E-02			20	
trans-decahydronaphthalene	0.6202185	11.4555	11.86814	0.0136003			20	
Trichloroethylene	0.2564365	7.309746	6.267572	2.540798E-02			SPCC (0.2)	
Trichlorofluoromethane	1.701629	6.6963	2.587	1.590978E-02			SPCC (0.1)	
Vinyl acetate	2.846466	4.939757	4.314429	4.015608E-02			20	
Vinyl Chloride	1.073907	5.96016	1.862571	0.0613945			SPCC (0.1)	

FORM VI

INITIAL CALIBRATION DATA

EPA 8260D

assoc aq blanks only, no eval

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50039

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: VOA No. 10

Calibration Date: 08/09/25 07:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	0.1	~~1.426699~~	0.25	~~0.7979981~~	0.5	0.8169951	1	0.8230708	2	0.810824	4	0.8270681
1,1,1-Trichloroethane	0.1	~~4.112651~~	0.25	~~2.384002~~	0.5	2.671439	1	2.657394	2	2.563438	4	2.684647
1,1,2,2-Tetrachloroethane	0.1	~~0.5743819~~	0.25	~~0.5019755~~	0.5	0.4933159	1	0.5100582	2	0.5084587	4	0.4765089
1,1,2-Trichloro-1,2,2-triflu oroethane (Freon 113)	0.1	~~2.205011~~	0.25	~~1.70603~~	0.5	2.064259	1	1.908801	2	1.696343	4	1.801588
1,1,2-Trichloroethane	0.1	~~0.6455055~~	0.25	~~0.6582157~~	0.5	0.6371252	1	0.6428621	2	0.6212628	4	0.5840718
1,1-Dichloroethane	0.1	~~6.982372~~	0.25	~~3.718064~~	0.5	3.765014	1	3.800311	2	3.738625	4	3.632961
1,1-Dichloroethylene	0.1	~~5.973645~~	0.25	~~3.246348~~	0.5	3.718117	1	3.430386	2	3.193751	4	3.313484
1,1-Dichloropropylene	0.1	~~4.237041~~	0.25	~~2.826115~~	0.5	2.850607	1	2.898407	2	2.886329	4	2.877184
1,2,3-Trichlorobenzene	0.1	~~0.3607204~~	0.25	~~0.2016379~~	0.5	0.1712395	1	0.1613633	2	0.1503492	4	0.1604721
1,2,3-Trichloropropane	0.1	~~6.606991E-02~~	0.25	~~0.120902~~	0.5	0.1287088	1	0.1304071	2	0.1298055	4	0.123364
1,2,3-Trimethylbenzene	0.1	~~4.119778~~	0.25	~~2.422279~~	0.5	2.441609	1	2.763025	2	2.723726	4	2.752736
1,2,4,5-Tetramethylbenzene	0.1	~~2.526641~~	0.25	~~1.378162~~	0.5	1.394582	1	1.518707	2	1.605698	4	1.6678
1,2,4-Trichlorobenzene	0.1	~~0.5530691~~	0.25	~~0.3382835~~	0.5	0.2951775	1	0.2885822	2	0.2893101	4	0.2961107
1,2,4-Trimethylbenzene	0.1	~~4.447997~~	0.25	~~2.494941~~	0.5	2.67162	1	2.864173	2	2.892632	4	2.909746
1,2-Dibromo-3-chloropropa ne	0.1	~~0~~	0.25	~~2.785389E-02~~	0.5	4.831653E-02	1	5.461053E-02	2	5.466433E-02	4	5.191672E-02
1,2-Dibromoethane	0.1	~~0.549997~~	0.25	~~0.5108502~~	0.5	0.533186	1	0.5398045	2	0.5326272	4	0.5072701
1,2-Dichlorobenzene	0.1	~~1.771633~~	0.25	~~1.127477~~	0.5	1.0452	1	1.07663	2	1.028551	4	1.041894
1,2-Dichloroethane	0.1	~~2.817244~~	0.25	~~2.067379~~	0.5	1.998028	1	1.84934	2	1.799777	4	1.73656
1,2-Dichloropropane	0.1	~~2.161126~~	0.25	~~1.479974~~	0.5	1.337462	1	1.307018	2	1.351156	4	1.269295
1,3,5-Trimethylbenzene	0.1	~~5.176897~~	0.25	~~2.830803~~	0.5	2.894932	1	3.04194	2	3.128729	4	3.137377
1,3-Dichlorobenzene	0.1	~~2.471228~~	0.25	~~1.239296~~	0.5	1.294193	1	1.331324	2	1.276662	4	1.308165
1,3-Dichloropropane	0.1	~~1.49586~~	0.25	~~1.253744~~	0.5	1.264871	1	1.251287	2	1.238347	4	1.202617
1,4-Dichlorobenzene	0.1	~~2.380115~~	0.25	~~1.242526~~	0.5	1.24882	1	1.307362	2	1.237071	4	1.273505
1,4-Dioxane	2.5	~~8.694564E-03~~	6.25	7.886455E-03	12.5	6.367397E-03	25	5.181314E-03	50	4.944274E-03	100	4.490974E-03
2,2-Dichloropropane	0.1	~~4.373093~~	0.25	~~2.726366~~	0.5	2.668568	1	2.705327	2	2.617148	4	2.624189
2-Butanone	0.1	~~5.150532E-02~~	0.25	~~2.381106E-02~~	0.5	6.469952E-02	1	8.943152E-02	2	9.621228E-02	4	8.553655E-02
2-Chloroethylvinyl ether	0.1	~~0~~	0.25	~~4.777372E-02~~	0.5	7.683018E-02	1	7.468675E-02	2	7.433774E-02	4	5.942869E-02
2-Chlorotoluene	0.1	~~5.784314~~	0.25	~~3.222977~~	0.5	3.243298	1	3.306817	2	3.21767	4	3.203002

FORM VI INITIAL CALIBRATION DATA

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50039
Instrument: VOA No. 10
Calibration Date: 08/09/25 07:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
2-Hexanone	0.1	~~0.3833512~~	0.25	~~0.3073695~~	0.5	0.2969139	1	0.3280657	2	0.3087729	4	0.2866257
2-Nitropropane	0.5	0.1562387	1.25	0.1760297	2.5	0.1569237	5	0.156046	10	0.152935	20	0.1432917
4-Chlorotoluene	0.1	~~5~~	0.25	~~2.692341~~	0.5	2.698215	1	2.799689	2	2.855497	4	2.808262
4-Methyl-2-pentanone	0.1	~~0.3556867~~	0.25	~~0.5932535~~	0.5	0.479225	1	0.4744062	2	0.4786103	4	0.428728
Acetone	0.1	~~0.718159~~	0.25	~~0.3381814~~	0.5	0.2122833	1	0.1522545	2	0.1047364	4	0.1054769
Acrolein	0.4	0.2934831	1	0.1875121	2	0.2059665	4	0.1688008	8	0.1432233	16	0.1300954
Acrylonitrile	0.5	0.2929	1.25	0.3138555	2.5	0.3553114	5	0.3067376	10	0.2965454	20	0.2841168
Allyl chloride	0.1	~~7.235039~~	0.25	~~3.959392~~	0.5	4.435554	1	3.867457	2	3.608197	4	3.371395
Benzene	0.1	~~15.39815~~	0.25	~~8.263724~~	0.5	7.988859	1	8.067953	2	8.045052	4	7.921385
Bromobenzene	0.1	~~2.436594~~	0.25	~~1.452237~~	0.5	1.432139	1	1.482249	2	1.429445	4	1.399378
Bromochloromethane	0.1	~~2.262347~~	0.25	~~1.467919~~	0.5	1.452485	1	1.401894	2	1.367967	4	1.270884
Bromodichloromethane	0.1	~~1.911487~~	0.25	~~1.412232~~	0.5	1.290824	1	1.316243	2	1.2925	4	1.291193
Bromoform	0.1	~~0.1910169~~	0.25	~~0.1948864~~	0.5	0.2626102	1	0.2498405	2	0.2459928	4	0.2642284
Bromomethane	0.1	~~1.846417~~	0.25	~~0.9270223~~	0.5	0.8711465	1	0.7866323	2	0.5885998	4	0.6688312
Carbon disulfide	0.1	~~13.10276~~	0.25	~~6.709891~~	0.5	7.164036	1	6.36981	2	5.723763	4	5.841791
Carbon tetrachloride	0.1	~~2.870693~~	0.25	~~1.971491~~	0.5	2.063111	1	2.085359	2	2.049661	4	2.157854
Chlorobenzene	0.1	~~5.511827~~	0.25	~~3.04766~~	0.5	3.016548	1	3.050088	2	2.957313	4	2.942136
Chloroethane	0.1	~~3.19916~~	0.25	~~1.786795~~	0.5	1.923184	1	1.99439	2	1.582175	4	1.817708
Chloroform	0.1	~~6.251579~~	0.25	~~3.319068~~	0.5	3.185016	1	3.203108	2	3.044815	4	3.055578
Chloromethane	0.1	~~5.416804~~	0.25	~~2.408778~~	0.5	2.814429	1	2.600046	2	2.002502	4	2.560981
cis-1,2-Dichloroethylene	0.1	~~5.652951~~	0.25	~~3.044276~~	0.5	2.994363	1	3.115022	2	3.07753	4	3.006171
cis-1,3-Dichloropropylene	0.1	~~1.987893~~	0.25	~~1.734262~~	0.5	1.521957	1	1.615433	2	1.596172	4	1.576638
cis-decahydronaphthalene	0.1	~~0.4774084~~	0.25	~~0.2866125~~	0.5	0.275993	1	0.257266	2	0.2723615	4	0.2676307
Cyclohexane	0.1	~~4.449865~~	0.25	~~3.98803~~	0.5	4.003139	1	4.083303	2	4.316135	4	4.066897
Dibromochloromethane	0.1	~~0.6619725~~	0.25	~~0.5816261~~	0.5	0.6005088	1	0.5993264	2	0.5948919	4	0.6030491
Dibromomethane	0.1	~~0.5374821~~	0.25	~~0.5095863~~	0.5	0.4699746	1	0.4365573	2	0.4362595	4	0.4165305
Dichlorodifluoromethane	0.1	~~2.942606~~	0.25	~~2.367269~~	0.5	2.756238	1	2.508982	2	2.079219	4	2.457777
Diisopropyl ether (DIPE)	0.1	~~8.293328~~	0.25	~~5.953408~~	0.5	5.816831	1	5.998636	2	6.029882	4	5.622402
Ethanol	4	~~0.0699209~~	10	~~4.397001E-02~~	20	4.662002E-02	40	4.167307E-02	80	3.572838E-02	160	3.183349E-02

FORM VI INITIAL CALIBRATION DATA

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50039
Instrument: VOA No. 10
Calibration Date: 08/09/25 07:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Ethyl Benzene	0.1	~~11.03485~~	0.25	~~5.826624~~	0.5	5.963461	1	6.044951	2	5.988394	4	5.985605
Ethyl Ether	0.1	~~2.038833~~	0.25	~~1.259734~~	0.5	1.442723	1	1.444161	2	1.206166	4	1.171955
Ethyl Methacrylate	0.1	~~0.7713132~~	0.25	~~0.9251419~~	0.5	0.7942544	1	0.8031037	2	0.8575428	4	0.8013868
Ethyl tert-butyl ether (ETBE)	0.1	~~5.748188~~	0.25	~~4.449772~~	0.5	4.492597	1	4.545638	2	4.57257	4	4.285695
Freon 115	0.1	~~0.3362422~~	0.25	~~0.2921681~~	0.5	0.3912598	1	0.2277574	2	0.2079732	4	0.2042009
Freon 123	0.1	~~4.40419~~	0.25	~~2.503379~~	0.5	3.260243	1	2.925784	2	2.597811	4	2.683601
Freon 152a	0.1	~~3.342015~~	0.25	~~1.83506~~	0.5	2.098906	1	1.975658	2	1.640502	4	1.995648
Freon 22	0.1	~~5.145673~~	0.25	~~2.375314~~	0.5	2.702066	1	2.566906	2	2.088414	4	2.621597
Hexachlorobutadiene	0.1	~~0.5312234~~	0.25	~~0.2288863~~	0.5	0.1869728	1	0.155964	2	0.1534085	4	0.149174
Hexachloroethane	0.1	~~0.4321185~~	0.25	~~0.2484648~~	0.5	0.2993392	1	0.3184071	2	0.318116	4	0.3302274
Iodomethane	0.1	~~1.188509~~	0.25	~~0.4443658~~	0.5	0.3847516	1	0.4318841	2	0.4284564	4	0.6265632
Isopropylbenzene	0.1	~~6.523338~~	0.25	~~3.571555~~	0.5	3.886943	1	4.136002	2	4.3221	4	4.328878
Limonene	0.1	~~1.184996~~	0.25	~~0.7433759~~	0.5	0.8330542	1	0.8522225	2	0.9494578	4	0.9072817
Methyl acetate	0.1	~~1.526695~~	0.25	~~1.09016~~	0.5	1.12937	1	0.8579086	2	0.7500059	4	0.6492774
Methyl Methacrylate	0.1	~~0.2786213~~	0.25	~~0.4256664~~	0.5	0.3935298	1	0.3863239	2	0.4058732	4	0.3826772
Methyl tert-butyl ether (MTBE)	0.1	~~4.251618~~	0.25	~~3.383422~~	0.5	3.974809	1	3.749015	2	3.32919	4	3.326057
Methylcyclohexane	0.1	~~2.689387~~	0.25	~~2.735993~~	0.5	2.456638	1	2.455311	2	2.609472	4	2.455826
Methylene chloride	0.1	~~223.3591~~	0.25	~~90.06564~~	0.5	52.79443	1	25.28645	2	12.84876	4	7.912881
Naphthalene	0.1	~~1.263321~~	0.25	~~0.6517406~~	0.5	0.5420384	1	0.516126	2	0.5096199	4	0.5132709
n-butyl acetate	0.1	~~0.9932881~~	0.25	~~0.9178115~~	0.5	0.8471876	1	0.776818	2	0.8188818	4	0.7550031
n-Butylbenzene	0.1	~~5.050618~~	0.25	~~2.697387~~	0.5	2.875646	1	2.932205	2	3.033357	4	3.012084
n-Decane	0.1	~~0.6841432~~	0.25	~~0.4462677~~	0.5	0.418608	1	0.4303536	2	0.4690682	4	0.4447779
n-Hexane	0.1	~~4.22052~~	0.25	~~3.965828~~	0.5	4.394782	1	3.718564	2	3.899912	4	3.563341
Nitrobenzene	1	1.278772E-02	2.5	1.102045E-02	5	1.081032E-02	10	1.196084E-02	20	1.165413E-02	40	1.154776E-02
n-Nonane	0.1	~~0.8648456~~	0.25	~~0.664535~~	0.5	0.7092016	1	0.6684527	2	0.7535514	4	0.6871149
n-octane	0.1	~~0.7653851~~	0.25	~~0.8088672~~	0.5	0.7275741	1	0.7204555	2	0.7110107	4	0.6833921
n-Propylbenzene	0.1	~~8.976982~~	0.25	~~4.848393~~	0.5	4.82536	1	5.116677	2	5.303043	4	5.237989
n-undecane	0.1	~~0.3191603~~	0.25	~~0.1277646~~	0.5	0.1705289	1	0.1651171	2	0.1564007	4	0.1619925

FORM VI INITIAL CALIBRATION DATA

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50039
Instrument: VOA No. 10
Calibration Date: 08/09/25 07:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
o-Xylene	0.1	~~6.982657~~	0.25	~~3.86133~~	0.5	4.015469	1	4.155856	2	4.207408	4	4.271995
p- & m- Xylenes	0.2	~~8.052022~~	0.5	~~4.37989~~	1	4.489169	2	4.497823	4	4.497786	8	4.52162
p-Ethyltoluene	0.1	~~6.458333~~	0.25	~~3.555609~~	0.5	3.721185	1	3.992996	2	3.99724	4	3.963656
p-Isopropyltoluene	0.1	~~4.411232~~	0.25	~~2.56276~~	0.5	2.628785	1	2.814191	2	2.943857	4	2.930884
sec-Butylbenzene	0.1	~~5.573316~~	0.25	~~3.160003~~	0.5	3.447527	1	3.49024	2	3.698417	4	3.682255
Styrene	0.1	~~4.301833~~	0.25	~~2.760259~~	0.5	2.842717	1	3.029552	2	3.078234	4	3.141548
SURR: 1,2-Dichloroethane-d4	10	1.746516	10	1.786304	10	1.822947	10	1.802674	10	1.741221	10	1.765582
SURR: p-Bromofluorobenzene	10	1.436903	10	1.415664	10	1.412614	10	1.444526	10	1.451463	10	1.419566
SURR: Toluene-d8	10	5.469941	10	6.133722	10	5.399061	10	5.386457	10	5.337124	10	5.389248
tert-Amyl alcohol (TAA)	0.5	~~4.217605E-02~~	1.25	~~5.875539E-02~~	2.5	8.097011E-02	5	6.868264E-02	10	7.131864E-02	20	6.394096E-02
tert-Amyl methyl ether (TAME)	0.1	~~4.253562~~	0.25	~~3.668511~~	0.5	3.693041	1	3.862846	2	3.731442	4	3.607928
tert-Butyl alcohol (TBA)	0.5	~~0.0260442~~	1.25	~~7.844778E-02~~	2.5	9.272322E-02	5	7.598317E-02	10	6.643304E-02	20	5.690159E-02
tert-Butylbenzene	0.1	~~4.168265~~	0.25	~~2.237596~~	0.5	2.347818	1	2.422198	2	2.510384	4	2.559741
Tetrachloroethylene	0.1	~~2.243461~~	0.25	~~1.22872~~	0.5	1.249968	1	1.235933	2	1.211135	4	1.275939
Tetrahydrofuran	0.5	4.975608E-02	1.25	7.979921E-02	2.5	7.683547E-02	5	8.115118E-02	10	7.816952E-02	20	7.456822E-02
Toluene	0.1	~~12.65586~~	0.25	~~6.958027~~	0.5	5.833826	1	5.787086	2	5.653223	4	5.517757
trans-1,2-Dichloroethylene	0.1	~~6.244777~~	0.25	~~3.096403~~	0.5	3.506599	1	3.133561	2	3.094144	4	3.160555
trans-1,3-Dichloropropylene	0.1	~~1.323945~~	0.25	~~1.258041~~	0.5	1.140376	1	1.166175	2	1.181183	4	1.179025
trans-1,4-dichloro-2-butene	0.1	~~0.6127451~~	0.25	~~0.5102509~~	0.5	0.5267111	1	0.5389576	2	0.5362598	4	0.4860764
trans-decahydronaphthalene	0.1	~~0.5205669~~	0.25	~~0.3423202~~	0.5	0.3736411	1	0.3581566	2	0.3801717	4	0.3722676
Trichloroethylene	0.1	~~2.528669~~	0.25	~~1.523451~~	0.5	1.318062	1	1.27315	2	1.294236	4	1.263393
Trichlorofluoromethane	0.1	~~3.826942~~	0.25	~~2.740202~~	0.5	3.249141	1	3.298688	2	2.636603	4	2.986935
Vinyl acetate	0.1	~~0~~	0.25	~~0.1660339~~	0.5	0.1795507	1	0.2072006	2	0.1907276	4	0.1920139
Vinyl Chloride	0.1	~~4.345882~~	0.25	~~2.269451~~	0.5	2.788205	1	2.790436	2	2.268092	4	2.915541

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50039
Instrument: VOA No. 10
Calibration Date: 08/09/25 07:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	10	0.9093649	20	0.94393	40	0.9777681	80	1.031941				
1,1,1-Trichloroethane	10	2.678755	20	2.802726	40	2.862483	80	2.986377				
1,1,2,2-Tetrachloroethane	10	0.4841152	20	0.5055833	40	0.5362105	80	0.5673083				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10	1.841034	20	1.742807	40	1.770725	80	1.727978				
1,1,2-Trichloroethane	10	0.625132	20	0.646009	40	0.6670838	80	0.6822826				
1,1-Dichloroethane	10	3.584978	20	3.753941	40	3.836472	80	4.029022				
1,1-Dichloroethylene	10	3.490171	20	3.325509	40	3.489138	80	3.512263				
1,1-Dichloropropylene	10	2.907288	20	3.004824	40	3.038432	80	3.176635				
1,2,3-Trichlorobenzene	10	0.1441451	20	0.1590501	40	0.185946	80	0.1930041				
1,2,3-Trichloropropane	10	0.1241498	20	0.1279272	40	0.1366143	80	0.1462496				
1,2,3-Trimethylbenzene	10	2.871023	20	2.879874	40	3.016847	80	3.154891				
1,2,4,5-Tetramethylbenzene	10	1.784105	20	1.866202	40	1.982994	80	2.038379				
1,2,4-Trichlorobenzene	10	0.2789497	20	0.3068168	40	0.3451651	80	0.3559452				
1,2,4-Trimethylbenzene	10	3.100141	20	3.161969	40	3.309966	80	3.44841				
1,2-Dibromo-3-chloropropane	10	5.225466E-02	20	0.0570248	40	6.206217E-02	80	6.606409E-02				
1,2-Dibromoethane	10	0.5426253	20	0.5726263	40	0.5808919	80	0.5794064				
1,2-Dichlorobenzene	10	1.044583	20	1.059993	40	1.105832	80	1.134275				
1,2-Dichloroethane	10	1.72647	20	1.787062	40	1.872109	80	1.959927				
1,2-Dichloropropane	10	1.374494	20	1.381846	40	1.395875	80	1.432942				
1,3,5-Trimethylbenzene	10	3.307306	20	3.277608	40	3.372547	80	3.503866				
1,3-Dichlorobenzene	10	1.327451	20	1.349929	40	1.407849	80	1.462175				
1,3-Dichloropropane	10	1.282095	20	1.312682	40	1.338478	80	1.359698				
1,4-Dichlorobenzene	10	1.307171	20	1.316995	40	1.378972	80	1.430003				
1,4-Dioxane	250	4.727554E-03	500	4.940877E-03	1000	5.34786E-03	2000	5.586799E-03				
2,2-Dichloropropane	10	2.420883	20	2.608035	40	2.679964	80	2.730149				
2-Butanone	10	9.130313E-02	20	0.0971813	40	0.1049519	80	0.1108475				
2-Chloroethylvinyl ether	10	5.554554E-02	20	9.065223E-02	40	0.1115218	80	0.1080885				
2-Chlorotoluene	10	3.388487	20	3.445763	40	3.649503	80	3.968517				

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50039
Instrument: VOA No. 10
Calibration Date: 08/09/25 07:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
2-Hexanone	10	0.3121345	20	0.3278176	40	0.3568862	80	0.3774454				
2-Nitropropane	50	0.1630053	100	0.1821094	200	0.2024312	400	0.2130925				
4-Chlorotoluene	10	2.900538	20	2.936733	40	3.019078	80	3.103249				
4-Methyl-2-pentanone	10	0.4634355	20	0.4959293	40	0.541612	80	0.5674621				
Acetone	10	9.775061E-02	20	9.472292E-02	40	9.737636E-02	80	0.106343				
Acrolein	40	0.1455694	80	0.1374383	160	0.1601034	320	0.169868				
Acrylonitrile	50	0.2805393	100	0.299921	200	0.3120143	400	0.3629461				
Allyl chloride	10	3.256418	20	3.522245	40	3.553846	80	3.65307				
Benzene	10	7.869705	20	8.120172	40	8.202724	80	8.430896				
Bromobenzene	10	1.44306	20	1.465935	40	1.520755	80	1.5988				
Bromochloromethane	10	1.277702	20	1.339806	40	1.394968	80	1.314747				
Bromodichloromethane	10	1.402576	20	1.430261	40	1.467904	80	1.506061				
Bromoform	10	0.2864679	20	0.3085619	40	0.3374717	80	0.3584843				
Bromomethane	10	0.7056646	20	0.9360689	40	1.062359	80	1.202645				
Carbon disulfide	10	5.705294	20	5.791145	40	5.948281	80	6.05167				
Carbon tetrachloride	10	2.202391	20	2.301191	40	2.349778	80	2.481481				
Chlorobenzene	10	3.132919	20	3.186457	40	3.224273	80	3.267186				
Chloroethane	10	1.76492	20	1.778688	40	1.723332	80	1.642693				
Chloroform	10	3.004714	20	3.114887	40	3.191525	80	3.274214				
Chloromethane	10	2.206608	20	2.221449	40	2.176975	80	2.364258				
cis-1,2-Dichloroethylene	10	2.965731	20	3.115255	40	3.193383	80	3.323902				
cis-1,3-Dichloropropylene	10	1.760788	20	1.79995	40	1.838458	80	1.897533				
cis-decahydronaphthalene	10	0.3081106	20	0.3199091	40	0.331738	80	0.3567198				
Cyclohexane	10	4.194914	20	4.372067	40	4.521406	80	4.617393				
Dibromochloromethane	10	0.6806067	20	0.7100266	40	0.7494073	80	0.7734711				
Dibromomethane	10	0.443147	20	0.4517608	40	0.4688762	80	0.4815791				
Dichlorodifluoromethane	10	2.099737	20	2.152978	40	1.79953	80	1.751686				
Diisopropyl ether (DIPE)	10	5.636783	20	5.919539	40	6.231571	80	6.709964				
Ethanol	400	3.211299E-02	800	3.273168E-02	1600	3.868063E-02	3200	4.065576E-02				

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50039
Instrument: VOA No. 10
Calibration Date: 08/09/25 07:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Ethyl Benzene	10	6.55543	20	6.772615	40	6.968885	80	7.231109				
Ethyl Ether	10	1.151191	20	1.181236	40	1.362161	80	1.410723				
Ethyl Methacrylate	10	0.9045343	20	0.9647568	40	1.043913	80	1.10057				
Ethyl tert-butyl ether (ETBE)	10	4.357645	20	4.629402	40	4.892095	80	5.122738				
Freon 115	10	0.1780912	20	0.1634598	40	9.658847E-02	80	~~9.147107E-02~~				
Freon 123	10	2.811298	20	2.757668	40	2.851166	80	2.855131				
Freon 152a	10	1.754075	20	1.832049	40	1.680872	80	1.690711				
Freon 22	10	2.294408	20	2.339806	40	2.141551	80	2.144674				
Hexachlorobutadiene	10	0.1572937	20	0.1615648	40	0.1720051	80	0.1821837				
Hexachloroethane	10	0.3838888	20	0.4265806	40	0.4613917	80	0.4920432				
Iodomethane	10	0.7920192	20	1.095575	40	1.253948	80	1.229558				
Isopropylbenzene	10	4.610409	20	4.65522	40	4.761674	80	4.874145				
Limonene	10	1.057747	20	1.131433	40	1.201994	80	1.238305				
Methyl acetate	10	0.6192106	20	0.6705021	40	0.7280675	80	~~0.8366405~~				
Methyl Methacrylate	10	0.4199407	20	0.43597	40	0.4659957	80	0.4870792				
Methyl tert-butyl ether (MTBE)	10	3.15166	20	3.172055	40	3.357164	80	3.588334				
Methylcyclohexane	10	2.793334	20	2.808949	40	2.893821	80	2.824179				
Methylene chloride	10	4.503743	20	3.612606	40	3.187213	80	3.245783				
Naphthalene	10	0.5000025	20	0.5702293	40	0.6600573	80	0.6991734				
n-butyl acetate	10	0.8532204	20	0.9138089	40	0.9982763	80	1.037805				
n-Butylbenzene	10	3.262643	20	3.375116	40	3.531736	80	3.660224				
n-Decane	10	0.5294082	20	0.6745263	40	0.9071761	80	1.364314				
n-Hexane	10	3.665806	20	3.703282	40	3.709914	80	4.010933				
Nitrobenzene	100	1.167034E-02	200	1.458292E-02	400	1.877169E-02	800	2.264424E-02				
n-Nonane	10	0.8479196	20	0.8966654	40	~~0.9761847~~	80	~~1.258924~~				
n-octane	10	0.8155159	20	0.8311473	40	0.8642491	80	0.9359538				
n-Propylbenzene	10	5.57661	20	5.650237	40	5.834781	80	5.989239				
n-undecane	10	0.1904376	20	0.3460027	40	~~0.4302109~~	80	~~0.5704952~~				

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50039
Instrument: VOA No. 10
Calibration Date: 08/09/25 07:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
o-Xylene	10	4.665832	20	4.815879	40	4.957676	80	5.162477				
p- & m- Xylenes	20	4.922765	40	5.118492	80	5.306878	160	5.437884				
p-Ethyltoluene	10	4.280974	20	4.447963	40	4.676716	80	4.931137				
p-Isopropyltoluene	10	3.189858	20	3.249544	40	3.391924	80	3.506474				
sec-Butylbenzene	10	4.005342	20	4.089482	40	4.227765	80	4.307191				
Styrene	10	3.418814	20	3.540381	40	3.653357	80	3.783834				
SURR: 1,2-Dichloroethane-d4	10	1.712166	10	1.770324	10	1.836093	10	1.907555				
SURR: p-Bromofluorobenzene	10	1.438108	10	1.419763	10	1.418225	10	1.41127				
SURR: Toluene-d8	10	5.713081	10	5.680711	10	5.605177	10	5.508453				
tert-Amyl alcohol (TAA)	50	6.141176E-02	100	0.0718618	200	0.0766788	400	8.528506E-02				
tert-Amyl methyl ether (TAME)	10	3.609196	20	3.899136	40	4.206173	80	4.484159				
tert-Butyl alcohol (TBA)	50	3.575731E-02	100	5.524335E-02	200	0.0761277	400	9.252109E-02				
tert-Butylbenzene	10	2.737902	20	2.787248	40	2.878825	80	2.947518				
Tetrachloroethylene	10	1.377457	20	1.396004	40	1.371948	80	1.436177				
Tetrahydrofuran	50	7.440243E-02	100	8.130214E-02	200	9.071298E-02	400	9.799414E-02				
Toluene	10	5.901984	20	6.000397	40	6.032335	80	6.19626				
trans-1,2-Dichloroethylene	10	3.108325	20	3.159249	40	3.178243	80	3.441506				
trans-1,3-Dichloropropylene	10	1.288439	20	1.371015	40	1.41155	80	1.463553				
trans-1,4-dichloro-2-butene	10	0.5185485	20	0.5526615	40	0.6055663	80	0.6662156				
trans-decahydronaphthalene	10	0.4340395	20	0.4476704	40	0.458996	80	~~0.5110518~~				
Trichloroethylene	10	1.364582	20	1.373911	40	1.354832	80	1.389816				
Trichlorofluoromethane	10	2.817746	20	3.032438	40	2.896034	80	2.824443				
Vinyl acetate	10	0.1988243	20	0.2023634	40	0.2172666	80	0.2308691				
Vinyl Chloride	10	2.687207	20	2.627876	40	2.523003	80	2.557112				

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50039
Instrument: VOA No. 10
Calibration Date: 08/09/25 07:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.8926203	9.573457	9.11225	2.466267E-02			20	
1,1,1-Trichloroethane	2.738407	4.959865	5.33775	5.917998E-02			SPCC (0.1)	
1,1,2,2-Tetrachloroethane	0.5101949	5.76838	10.46325	3.343506E-02			SPCC (0.3)	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.819192	6.585545	3.14275	0.1412781			SPCC (0.1)	
1,1,2-Trichloroethane	0.6382287	4.681431	8.01525	3.481705E-02			SPCC (0.1)	
1,1-Dichloroethane	3.767666	3.570345	4.346	1.756087E-02			SPCC (0.2)	
1,1-Dichloroethylene	3.434102	4.631377	3.177125	9.681898E-02			SPCC (0.1)	
1,1-Dichloropropylene	2.954963	3.74476	5.486	1.319671E-02			20	
1,2,3-Trichlorobenzene	0.1656962	10.14171	14.4065	1.267551E-02			20	
1,2,3-Trichloropropane	0.1309033	5.670543	10.51213	3.270176E-02			20	
1,2,3-Trimethylbenzene	2.825466	7.532487	11.60025	0.0114033			20	
1,2,4,5-Tetramethylbenzene	1.732308	13.03663	12.783	1.033462E-02			20	
1,2,4-Trichlorobenzene	0.3070072	9.171317	13.832	7.21194E-03			SPCC (0.2)	
1,2,4-Trimethylbenzene	3.044832	8.449165	11.11225	1.000384E-02			20	
1,2-Dibromo-3-chloropropane	5.586423E-02	10.31396	12.93525	5.595438E-03			SPCC (0.05)	
1,2-Dibromoethane	0.5485547	4.81474	8.55225	1.186115E-02			SPCC (0.1)	
1,2-Dichlorobenzene	1.06712	3.408718	12.009	1.522872E-02			SPCC (0.4)	
1,2-Dichloroethane	1.841159	5.371738	5.76	2.473489E-02			SPCC (0.1)	
1,2-Dichloropropane	1.356261	3.82144	6.553	2.223006E-02			SPCC (0.1)	
1,3,5-Trimethylbenzene	3.208038	6.078536	10.686	1.823744E-02			20	
1,3-Dichlorobenzene	1.344718	4.601953	11.47437	1.689986E-02			SPCC (0.6)	
1,3-Dichloropropane	1.281259	4.130739	8.187	2.473274E-02			20	
1,4-Dichlorobenzene	1.312487	4.951654	11.576	1.660733E-02			SPCC (0.5)	
1,4-Dioxane	5.497056E-03	19.09677	6.686333	5.247716E-02		0.9998071	0.99	
2,2-Dichloropropane	2.631783	3.635318	4.87	2.106521E-02			20	
2-Butanone	9.252046E-02	15.06313	4.922	6.360155E-02		0.9998111	SPCC (0.1)	
2-Chloroethylvinyl ether	8.138643E-02	25.31859	7.09125	4.702945E-02		0.9944811	0.99	
2-Chlorotoluene	3.427882	7.692781	10.625	0			20	
2-Hexanone	0.3243327	9.374655	8.226	4.211492E-02			SPCC (0.1)	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50039
Instrument: VOA No. 10
Calibration Date: 08/09/25 07:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
2-Nitropropane	0.1702103	13.42564	7.083	4.092089E-02			20	
4-Chlorotoluene	2.890158	4.477809	10.74775	1.353175E-02			20	
4-Methyl-2-pentanone	0.4911761	8.986212	7.382	8.715368E-03			SPCC (0.1)	
Acetone	0.121368	33.85439	3.282	9.806333E-02		0.9997331	SPCC (0.1)	
Acrolein	0.174206	27.55446	3.133	8.944645E-02		0.9995047	0.99	
Acrylonitrile	0.3104887	8.979933	3.9764	7.759668E-02			20	
Allyl chloride	3.658523	9.928862	3.54775	5.792697E-02			20	
Benzene	8.080843	2.188113	5.699	6.043099E-03			SPCC (0.5)	
Bromobenzene	1.47147	4.30626	10.436	1.420141E-02			20	
Bromochloromethane	1.352557	4.702812	5.144875	1.828674E-02			20	
Bromodichloromethane	1.374695	6.388508	6.833	8.751124E-03			SPCC (0.2)	
Bromoform	0.2892072	14.4703	9.961	2.701182E-02			SPCC (0.1)	
Bromomethane	0.8527434	24.40805	2.300875	0.1461034		0.9991862	SPCC (0.1)	
Carbon disulfide	6.074474	8.07571	3.40325	9.169145E-02			SPCC (0.1)	
Carbon tetrachloride	2.211353	6.987645	5.47775	5.499689E-02			SPCC (0.1)	
Chlorobenzene	3.097115	3.984916	9.02275	2.957661E-02			SPCC (0.5)	
Chloroethane	1.778386	7.64213	2.40625	8.690015E-02			SPCC (0.1)	
Chloroform	3.134232	2.991333	5.205625	5.886948E-03			SPCC (0.2)	
Chloromethane	2.368406	11.37438	1.8355	0.1507199			SPCC (0.1)	
cis-1,2-Dichloroethylene	3.09892	3.814211	4.901	2.033575E-02			SPCC (0.1)	
cis-1,3-Dichloropropylene	1.700866	8.216647	7.248	1.874544E-02			SPCC (0.2)	
cis-decahydronaphthalene	0.2987161	11.92846	12.53537	3.391258E-02			20	
Cyclohexane	4.271907	5.22957	5.346	1.332497E-02			SPCC (0.1)	
Dibromochloromethane	0.663911	11.15265	8.431375	1.941164E-02			SPCC (0.1)	
Dibromomethane	0.4505856	4.811097	6.6945	3.753716E-02			20	
Dichlorodifluoromethane	2.200768	15.92234	1.628	2.265566E-02		0.9980322	SPCC (0.1)	
Diisopropyl ether (DIPE)	5.995701	5.889891	4.323375	6.465115E-02			20	
Ethanol	0.0375045	14.21464	2.931	0.1445539			20	
Ethyl Benzene	6.438806	7.925932	9.101	2.149663E-02			SPCC (0.1)	
Ethyl Ether	1.29629	10.04196	2.932625	7.420442E-02			20	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50039
Instrument: VOA No. 10
Calibration Date: 08/09/25 07:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Ethyl Methacrylate	0.9087577	12.92935	7.83375	2.798018E-02			20	
Ethyl tert-butyl ether (ETBE)	4.612298	5.971441	4.66375	4.717711E-02			20	
Freon 115	0.2099044	43.16438	1.473286	0.1986575		0.9977922	0.99	
Freon 123	2.842838	6.971759	3.0495	0.112814			20	
Freon 152a	1.833553	9.314684	1.604625	2.947849E-02			20	
Freon 22	2.362428	10.12825	1.65525	0.1641267			20	
Hexachlorobutadiene	0.1648208	8.47101	13.969	2.154364E-02			20	
Hexachloroethane	0.3787493	19.4423	12.25075	2.434335E-02		0.9996532	0.99	
Iodomethane	0.7803444	47.23382	3.359625	8.918553E-02		0.9966376	0.99	
Isopropylbenzene	4.446921	7.5615	10.04	0.0136309			SPCC (0.1)	
Limonene	1.021437	15.49653	11.3765	2.167444E-02		0.9997016	0.99	
Methyl acetate	0.7720489	22.81847	3.574571	8.976934E-02		0.9996141	SPCC (0.1)	
Methyl Methacrylate	0.4221737	9.068368	6.61175	4.846297E-02			20	
Methyl tert-butyl ether (MTBE)	3.456035	8.389795	3.88825	5.728428E-02			SPCC (0.1)	
Methylcyclohexane	2.662191	7.085192	6.42875	5.118193E-02			SPCC (0.1)	
Methylene chloride	14.17398	122.2335	3.69625	8.298357E-02	0.99784		SPCC (0.1)	
Naphthalene	0.5638147	13.397	14.131	9.06863E-03			20	
n-butyl acetate	0.8751251	11.56039	8.315	0.0228896			20	
n-Butylbenzene	3.210376	9.085886	11.918	1.408928E-02			20	
n-Decane	0.654779	50.58624	10.6055	1.978105E-02		0.9999865	0.99	
n-Hexane	3.833317	6.954465	4.10425	7.628679E-02			20	
Nitrobenzene	1.374504E-02	28.57166	13.1938	4.656205E-02		0.9992325	0.99	
n-Nonane	0.7604843	12.15475	9.147	4.113658E-02			20	
n-octane	0.7861623	11.31395	7.5575	3.724653E-02			20	
n-Propylbenzene	5.441742	7.158533	10.49625	2.020787E-02			20	
n-undecane	0.1984133	36.91523	11.942	7.15335E-03		0.9979076	0.99	
o-Xylene	4.531574	9.356642	9.65975	3.695984E-02			SPCC (0.3)	
p- & m- Xylenes	4.849052	8.241064	9.2215	2.807603E-02			SPCC (0.1)	
p-Ethyltoluene	4.251483	9.647962	10.619	1.388017E-02			20	
p-Isopropyltoluene	3.08194	9.772532	11.44875	1.398377E-02			20	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50039
Instrument: VOA No. 10
Calibration Date: 08/09/25 07:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
sec-Butylbenzene	3.868527	8.589997	11.29075	8.496751E-03			20	
Styrene	3.311055	10.12303	9.686875	3.029708E-02			SPCC (0.3)	
SURR: 1,2-Dichloroethane-d4	1.789138	3.145704	5.6876	4.125496E-02			20	
SURR: p-Bromofluorobenzene	1.42681	1.016704	10.261	0.0297143			20	
SURR: Toluene-d8	5.562297	4.299614	7.4794	1.756594E-02			20	
tert-Amyl alcohol (TAA)	7.251872E-02	11.2419	5.72175	7.689825E-02		0.9998222	0.99	
tert-Amyl methyl ether (TAME)	3.88674	7.995822	5.74275	3.900973E-02			20	
tert-Butyl alcohol (TBA)	6.896131E-02	28.28269	3.811875	9.114324E-02		0.998091	0.99	
tert-Butylbenzene	2.648954	8.298793	11.0475	2.703527E-02			20	
Tetrachloroethylene	1.31932	6.471916	8.09125	3.644263E-02			SPCC (0.2)	
Tetrahydrofuran	7.846914E-02	15.93453	5.163	1.175727E-02		0.9997337	0.99	
Toluene	5.865359	3.701282	7.547625	2.610776E-02			SPCC (0.4)	
trans-1,2-Dichloroethylene	3.222773	4.918641	3.9235	7.020729E-02			SPCC (0.1)	
trans-1,3-Dichloropropylene	1.275164	9.900834	7.81575	0.0280207			SPCC (0.1)	
trans-1,4-dichloro-2-butene	0.5538746	10.21533	10.51388	2.831688E-02			20	
trans-decahydronaphthalene	0.4035633	10.33164	11.88271	2.972189E-02			20	
Trichloroethylene	1.328998	3.642149	6.30225	3.720472E-02			SPCC (0.2)	
Trichlorofluoromethane	2.967753	7.546294	2.64425	8.184592E-02			SPCC (0.1)	
Vinyl acetate	0.202352	7.99811	4.373125	7.718656E-02			20	
Vinyl Chloride	2.644684	7.583816	1.944	1.553349E-02			SPCC (0.1)	

FORM VI

INITIAL CALIBRATION DATA

EPA 8260D

assoc samples 1,2

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50043

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: MS VOA 2

Calibration Date: 08/12/25 06:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	1	~~0.225531~~	2.5	~~0.231311~~	5	0.2212954	10	0.2127232	20	0.216653	50	0.2241036
1,1,1-Trichloroethane	1	~~1.51438~~	2.5	~~1.6822~~	5	1.61239	10	1.583149	20	1.580621	50	1.569154
1,1,2,2-Tetrachloroethane	1	~~0.6278341~~	2.5	~~0.6199469~~	5	0.5781325	10	0.559802	20	0.5673682	50	0.5849343
1,1,2-Trichloro-1,2,2-triflu oroethane (Freon 113)	1	~~0.8951076~~	2.5	~~0.9456507~~	5	0.8927712	10	0.8553915	20	0.8038158	50	0.7635348
1,1,2-Trichloroethane	1	~~0.2122645~~	2.5	~~0.2167184~~	5	0.2013433	10	0.1983652	20	0.2023972	50	0.209758
1,1-Dichloroethane	1	~~1.137976~~	2.5	~~1.153557~~	5	1.090566	10	1.623853	20	1.742794	50	1.665684
1,1-Dichloroethylene	1	~~0.9618755~~	2.5	~~0.9434317~~	5	0.8828977	10	0.8299615	20	0.7743167	50	0.7466644
1,1-Dichloropropylene	1	~~0.7765945~~	2.5	~~0.9461628~~	5	1.020963	10	1.132381	20	1.270331	50	1.37907
1,2,3-Trichlorobenzene	1	~~0.3364805~~	2.5	~~0.3650658~~	5	0.3714953	10	0.4174963	20	0.482909	50	0.5693632
1,2,3-Trichloropropane	1	~~0.1831365~~	2.5	~~0.1937702~~	5	0.1933708	10	0.1882823	20	0.1880089	50	0.1944906
1,2,3-Trimethylbenzene	1	~~0.6525882~~	2.5	~~0.8178416~~	5	1.038056	10	1.377959	20	1.665944	50	1.778705
1,2,4,5-Tetramethylbenzene	1	~~0.5187408~~	2.5	~~0.5822366~~	5	0.6086251	10	0.7591485	20	1.101656	50	1.43155
1,2,4-Trichlorobenzene	1	~~0.3533484~~	2.5	~~0.3474733~~	5	0.3490021	10	0.3921958	20	0.4631112	50	0.5787627
1,2,4-Trimethylbenzene	1	~~0.8195141~~	2.5	~~0.9754168~~	5	1.153612	10	1.41698	20	1.672738	50	1.797572
1,2-Dibromo-3-chloropropa ne	1	~~0.0630901~~	2.5	~~7.340036E-02~~	5	8.339933E-02	10	8.125203E-02	20	8.580891E-02	50	9.056226E-02
1,2-Dibromoethane	1	~~0.1715321~~	2.5	~~0.1609207~~	5	0.1622489	10	0.1673387	20	0.1748166	50	0.1881803
1,2-Dichlorobenzene	1	~~1.190826~~	2.5	~~1.125164~~	5	1.04958	10	1.005007	20	1.013437	50	0.9858307
1,2-Dichloroethane	1	~~1.590746~~	2.5	~~1.54957~~	5	1.45164	10	1.367417	20	1.324388	50	1.274619
1,2-Dichloropropane	1	~~0.1939194~~	2.5	~~0.1956536~~	5	0.1885695	10	0.1861769	20	0.2042961	50	0.2140612
1,3,5-Trimethylbenzene	1	~~1.055664~~	2.5	~~1.173143~~	5	1.298511	10	1.557776	20	1.901944	50	2.127933
1,3-Dichlorobenzene	1	~~0.7730728~~	2.5	~~0.8693566~~	5	0.9264216	10	0.9591065	20	1.013781	50	1.020348
1,3-Dichloropropane	1	~~0.258801~~	2.5	~~0.2762145~~	5	0.2736605	10	0.2850156	20	0.313241	50	0.3426736
1,4-Dichlorobenzene	1	~~0.6830379~~	2.5	~~0.7564783~~	5	0.7687312	10	0.8480633	20	0.9413383	50	0.9783142
1,4-Dioxane	25	~~0~~	62.5	9.551528E-04	125	1.312716E-03	250	1.458018E-03	500	1.994807E-03	1250	2.330983E-03
2,2-Dichloropropane	1	~~1.258158~~	2.5	~~1.306329~~	5	1.233609	10	1.244982	20	1.279097	50	1.337122
2-Butanone	1	~~0.2687409~~	2.5	~~0.3794551~~	5	0.4654389	10	0.5538181	20	0.6556612	50	0.7228946
2-Chloroethylvinyl ether	1	~~0~~	2.5	~~1.338661E-02~~	5	1.577394E-02	10	0.0192615	20	2.336514E-02	50	3.309099E-02
2-Chlorotoluene	1	~~1.120726~~	2.5	~~1.267335~~	5	1.403334	10	1.573618	20	1.713926	50	1.786907

FORM VI INITIAL CALIBRATION DATA

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50043
Instrument: MS VOA 2
Calibration Date: 08/12/25 06:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
2-Hexanone	1	~~6.218686E-02~~	2.5	~~7.276206E-02~~	5	8.083917E-02	10	9.890922E-02	20	0.1217527	50	0.1440182
2-Nitropropane	5	4.377955E-02	12.5	4.471048E-02	25	4.420386E-02	50	4.314259E-02	100	4.501513E-02	250	~~5.059476E-02~~
4-Chlorotoluene	1	~~0.8447064~~	2.5	~~0.9425886~~	5	1.048036	10	1.211672	20	1.424061	50	1.539392
4-Methyl-2-pentanone	1	~~0.1163931~~	2.5	~~0.1238161~~	5	0.1289525	10	0.1375645	20	0.1701626	50	0.2045625
Acetone	1	~~0.6835367~~	2.5	~~0.2942783~~	5	0.244796	10	0.1941305	20	0.1912139	50	0.1622748
Acrolein	4	9.232753E-02	10	8.667042E-02	20	8.429144E-02	40	7.533289E-02	80	6.815736E-02	200	7.189001E-02
Acrylonitrile	5	0.298703	12.5	0.3071487	25	0.2016467	50	0.3160495	100	0.3380547	250	0.3502401
Allyl chloride	1	~~0.6835367~~	2.5	~~0.6976308~~	5	0.6300234	10	0.5908146	20	0.5548114	50	0.5421011
Benzene	1	~~2.98244~~	2.5	~~3.752902~~	5	3.902702	10	4.067029	20	4.072679	50	3.959741
Bromobenzene	1	~~0.9189687~~	2.5	~~0.9135484~~	5	0.9201251	10	0.9363857	20	1.001876	50	1.042758
Bromochloromethane	1	~~0.753643~~	2.5	~~0.7816128~~	5	0.7542166	10	0.753349	20	0.7354115	50	0.7064941
Bromodichloromethane	1	~~0.2887543~~	2.5	~~0.2777421~~	5	0.2610523	10	0.2578166	20	0.2732952	50	0.2848222
Bromoform	1	~~0.1253065~~	2.5	~~0.1316953~~	5	0.1247559	10	0.126408	20	0.1347343	50	0.1441308
Bromomethane	1	~~0.807892~~	2.5	~~0.7621535~~	5	0.5711908	10	0.46842	20	0.3655372	50	0.3164788
Carbon disulfide	1	~~2.267606~~	2.5	~~2.108426~~	5	1.926626	10	1.820281	20	1.710476	50	1.671425
Carbon tetrachloride	1	~~1.369995~~	2.5	~~1.453469~~	5	1.375264	10	1.337514	20	1.348599	50	1.368166
Chlorobenzene	1	~~0.7748483~~	2.5	~~0.7580923~~	5	0.6936855	10	0.6619642	20	0.6695595	50	0.6608815
Chloroethane	1	~~0.3171477~~	2.5	~~0.3663116~~	5	0.320846	10	0.3108023	20	0.2800958	50	0.2592406
Chloroform	1	~~1.957552~~	2.5	~~2.015567~~	5	1.857676	10	1.79876	20	1.783712	50	1.73986
Chloromethane	1	~~1.188887~~	2.5	~~1.208692~~	5	1.060946	10	1.04529	20	0.9245758	50	0.8289869
cis-1,2-Dichloroethylene	1	~~0.9193109~~	2.5	~~0.9348969~~	5	0.9103149	10	0.9612223	20	1.039846	50	1.166729
cis-1,3-Dichloropropylene	1	~~0.2107098~~	2.5	~~0.2192108~~	5	0.2289155	10	0.2614855	20	0.3050914	50	0.34035
cis-decahydronaphthalene	1	~~0.1851081~~	2.5	~~0.2015143~~	5	0.239981	10	0.3066825	20	0.3611067	50	~~0.3987937~~
Cyclohexane	1	~~0.7874443~~	2.5	~~0.9101461~~	5	1.002032	10	1.262594	20	1.506581	50	1.669341
Dibromochloromethane	1	~~0.1858351~~	2.5	~~0.2016836~~	5	0.1864896	10	0.1868119	20	0.2019339	50	0.2185831
Dibromomethane	1	~~0.1557781~~	2.5	~~0.1410217~~	5	0.126983	10	0.1223335	20	0.1302168	50	0.1302829
Dichlorodifluoromethane	1	~~1.58699~~	2.5	~~1.59139~~	5	1.406924	10	1.357664	20	1.15733	50	1.036322
Diisopropyl ether (DIPE)	1	~~1.354972~~	2.5	~~1.291308~~	5	1.208721	10	1.094498	20	1.459532	50	1.050829
Ethanol	40	~~0~~	100	~~6.712584E-03~~	200	5.842466E-03	400	5.416472E-03	800	4.603298E-03	2000	4.663886E-03

FORM VI

INITIAL CALIBRATION DATA

EPA 8260D

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50043

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: MS VOA 2

Calibration Date: 08/12/25 06:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Ethyl Benzene	1	~~0.9229567~~	2.5	~~0.9799563~~	5	0.9343808	10	0.9907061	20	1.042256	50	1.042701
Ethyl Ether	1	~~0.4632025~~	2.5	~~0.5090127~~	5	0.4766179	10	0.4219125	20	0.4049914	50	~~0.4001158~~
Ethyl Methacrylate	1	~~0.1063395~~	2.5	~~0.1218463~~	5	0.1353393	10	0.1583871	20	0.210369	50	0.2842754
Ethyl tert-butyl ether (ETBE)	1	~~1.478492~~	2.5	~~1.602656~~	5	1.72467	10	1.841802	20	2.13256	50	2.418171
Hexachlorobutadiene	1	~~0.3653968~~	2.5	~~0.3689378~~	5	0.3464676	10	0.3515889	20	0.3649229	50	0.3907316
Hexachloroethane	1	~~0~~	2.5	~~4.198299~~	5	2.23709	10	1.264929	20	0.784734	50	0.5216271
Iodomethane	1	~~0.4849021~~	2.5	~~0.4989417~~	5	0.5326762	10	0.6063305	20	0.6670436	50	0.750458
Isopropylbenzene	1	~~0.8195141~~	2.5	~~0.9754168~~	5	1.153612	10	1.41698	20	1.672738	50	1.797572
Limonene	1	~~0.1934325~~	2.5	~~0.2464636~~	5	0.3012435	10	0.3906289	20	0.478283	50	~~0.5642222~~
Methyl acetate	1	~~0.5095228~~	2.5	~~0.4436365~~	5	0.4280667	10	0.3769768	20	0.3347571	50	~~0.3215256~~
Methyl Methacrylate	1	~~5.327341E-02~~	2.5	~~6.717426E-02~~	5	6.918817E-02	10	7.673733E-02	20	0.1000341	50	0.1409133
Methyl tert-butyl ether (MTBE)	1	~~1.975914~~	2.5	~~1.948484~~	5	1.825362	10	1.653958	20	1.604045	50	1.646661
Methylcyclohexane	1	~~0.2930038~~	2.5	~~0.3088167~~	5	0.3302589	10	0.3563995	20	0.4145534	50	0.4413078
Methylene chloride	1	~~2.052697~~	2.5	~~1.131538~~	5	0.8394873	10	0.6383699	20	0.5323942	50	0.4728691
Naphthalene	1	~~0.6992486~~	2.5	~~0.6106035~~	5	0.6286235	10	0.7208538	20	1.000825	50	1.429777
n-butyl acetate	1	~~3.617202E-02~~	2.5	~~5.467205E-02~~	5	5.768441E-02	10	0.069576	20	9.482988E-02	50	~~0.1297932~~
n-Butylbenzene	1	~~1.379001~~	2.5	~~1.830632~~	5	2.077935	10	2.291109	20	2.453386	50	2.522014
n-Decane	1	~~0.4812811~~	2.5	~~0.5393075~~	5	0.6218121	10	0.7531673	20	0.8733446	50	~~0.8996215~~
n-Hexane	1	~~1.302392~~	2.5	~~1.258535~~	5	1.173552	10	1.083133	20	1.002679	50	~~0.9990465~~
Nitrobenzene	10	3.053736E-02	25	2.674231E-02	50	2.453271E-02	100	2.437943E-02	200	2.632348E-02	500	3.232835E-02
n-Nonane	1	~~0.1113145~~	2.5	~~0.1240975~~	5	0.1396095	10	0.2150338	20	0.2937728	50	~~0.3478469~~
n-octane	1	~~7.255134E-02~~	2.5	~~9.326408E-02~~	5	0.1146326	10	0.1646312	20	0.2172363	50	~~0.2465531~~
n-Propylbenzene	1	~~0.3971609~~	2.5	~~0.4468836~~	5	0.5062173	10	0.6384743	20	0.8259212	50	0.9363443
n-undecane	1	~~0.2972683~~	2.5	~~0.3781971~~	5	0.4636464	10	0.6144924	20	0.732424	50	~~0.7764093~~
o-Xylene	1	~~0.3275175~~	2.5	~~0.3429063~~	5	0.3364986	10	0.3975419	20	0.54827	50	0.6937221
p- & m- Xylenes	2	~~0.4509066~~	5	~~0.5042492~~	10	0.5490879	20	0.6570077	40	0.7535486	100	0.7893996
p-Ethyltoluene	1	~~1.055664~~	2.5	~~1.173143~~	5	1.298511	10	1.557776	20	1.901944	50	2.127933
p-Isopropyltoluene	1	~~0.6856667~~	2.5	~~0.8277743~~	5	0.9751703	10	1.271178	20	1.649264	50	1.846248

FORM VI INITIAL CALIBRATION DATA

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50043
Instrument: MS VOA 2
Calibration Date: 08/12/25 06:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
sec-Butylbenzene	1	~~0.9559903~~	2.5	~~1.341745~~	5	1.7837	10	2.17718	20	2.402808	50	2.410853
Styrene	1	~~0~~	2.5	~~1.310521E-02~~	5	0.0162525	10	2.188967E-02	20	2.645126E-02	50	2.725513E-02
SURR: 1,2-Dichloroethane-d4	50	1.579671	50	1.588138	50	1.596951	50	1.566384	50	1.493617	50	1.458103
SURR: p-Bromofluorobenzene	50	0.8824114	50	0.8550006	50	0.8703033	50	0.8890333	50	0.9192713	50	0.9484298
SURR: Toluene-d8	50	1.282291	50	1.249586	50	1.227618	50	1.210712	50	1.210232	50	1.222755
tert-Amyl alcohol (TAA)	5	~~0.2956985~~	12.5	~~0.3205312~~	25	0.344934	50	0.3683604	100	0.4265119	250	0.4836343
tert-Amyl methyl ether (TAME)	1	~~1.148826~~	2.5	~~1.466271~~	5	1.637522	10	1.787274	20	1.972181	50	2.168895
tert-Butyl alcohol (TBA)	5	~~8.304261E-02~~	12.5	~~8.060221E-02~~	25	7.670276E-02	50	6.448181E-02	100	6.226302E-02	250	6.255338E-02
tert-Butylbenzene	1	~~0.8339723~~	2.5	~~0.8930097~~	5	0.9657453	10	1.137165	20	1.457234	50	1.65813
Tetrachloroethylene	1	~~0.2947657~~	2.5	~~0.3070881~~	5	0.2776546	10	0.2816024	20	0.3213659	50	0.3356252
Tetrahydrofuran	5	0.1606603	12.5	0.1904957	25	0.2232703	50	0.2593055	100	0.2966643	250	0.3181202
Toluene	1	~~1.033753~~	2.5	~~1.011353~~	5	0.9240182	10	0.9230263	20	0.9655124	50	0.9923446
trans-1,2-Dichloroethylene	1	~~0.9618755~~	2.5	~~0.9434317~~	5	0.8828977	10	0.8299615	20	0.7743167	50	0.7466644
trans-1,3-Dichloropropylene	1	~~0.2107098~~	2.5	~~0.2192108~~	5	0.2289155	10	0.2614855	20	0.3050914	50	0.34035
trans-1,4-dichloro-2-butene	1	~~0.1336283~~	2.5	~~0.1341745~~	5	0.1429194	10	0.1500449	20	0.176188	50	0.2050797
trans-decahydronaphthalene	1	~~0.177879~~	2.5	~~0.3042916~~	5	0.4189767	10	0.533355	20	0.5673217	50	~~0.5900868~~
Trichloroethylene	1	~~0.2660561~~	2.5	~~0.269702~~	5	0.2556594	10	0.2467836	20	0.2594242	50	0.2588889
Trichlorofluoromethane	1	~~1.966733~~	2.5	~~1.961628~~	5	1.831156	10	1.669394	20	1.529986	50	1.420671
Vinyl acetate	1	~~1.277354~~	2.5	~~1.297453~~	5	1.407414	10	1.515121	20	1.671187	50	1.834313
Vinyl Chloride	1	~~0.6931346~~	2.5	~~0.8087533~~	5	0.7399368	10	0.7225187	20	0.6651771	50	0.6237153

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50043
Instrument: MS VOA 2
Calibration Date: 08/12/25 06:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	100	0.2270595	200	0.2321057	400	0.2455851						
1,1,1-Trichloroethane	100	1.598948	200	1.538469	400	1.492721						
1,1,2,2-Tetrachloroethane	100	0.5792804	200	0.5309098	400	0.4697778						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	100	0.7506471	200	0.7012967	400	0.6899087						
1,1,2-Trichloroethane	100	0.2146533	200	0.2182774	400	0.2205307						
1,1-Dichloroethane	100	1.788697	200	1.721513	400	0.9597213						
1,1-Dichloroethylene	100	0.7483556	200	0.7029321	400	0.6629373						
1,1-Dichloropropylene	100	1.447657	200	1.396902	400	1.338978						
1,2,3-Trichlorobenzene	100	0.6965705	200	0.790087	400	0.921312						
1,2,3-Trichloropropane	100	0.194031	200	0.1790514	400	0.1624079						
1,2,3-Trimethylbenzene	100	1.82229	200	1.838355	400	1.888109						
1,2,4,5-Tetramethylbenzene	100	1.711209	200	1.89316	400	2.124831						
1,2,4-Trichlorobenzene	100	0.7127739	200	0.8034542	400	0.9396637						
1,2,4-Trimethylbenzene	100	1.825513	200	1.765173	400	1.732833						
1,2-Dibromo-3-chloropropane	100	0.1005204	200	0.1121906	400	0.1222337						
1,2-Dibromoethane	100	0.1989478	200	0.2076423	400	0.2196456						
1,2-Dichlorobenzene	100	1.005946	200	1.007358	400	1.034834						
1,2-Dichloroethane	100	1.258667	200	1.187147	400	1.091383						
1,2-Dichloropropane	100	0.2280935	200	0.2419876	400	0.2738521						
1,3,5-Trimethylbenzene	100	2.208336	200	2.103174	400	2.046142						
1,3-Dichlorobenzene	100	1.041857	200	1.012507	400	1.030822						
1,3-Dichloropropane	100	0.3595936	200	0.3690074	400	0.3736558						
1,4-Dichlorobenzene	100	1.01814	200	1.007512	400	1.044788						
1,4-Dioxane	2500	2.579313E-03	5000	2.919767E-03	10000	3.287183E-03						
2,2-Dichloropropane	100	1.388628	200	1.367264	400	1.350493						
2-Butanone	100	0.743935	200	0.7395221	400	0.6442455						
2-Chloroethylvinyl ether	100	4.648953E-02	200	5.081699E-02	400	0.0578983						
2-Chlorotoluene	100	1.800591	200	1.682363	400	1.585145						

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50043
Instrument: MS VOA 2
Calibration Date: 08/12/25 06:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
2-Hexanone	100	0.1559113	200	0.1659335	400	0.1662663						
2-Nitropropane	500	~~5.430942E-02~~	1000	5.895622E-02	2000	0.0611561						
4-Chlorotoluene	100	1.562022	200	1.484203	400	1.399723						
4-Methyl-2-pentanone	100	0.2201776	200	0.2290132	400	0.2095083						
Acetone	100	0.1382576	200	0.1261292	400	0.1129482						
Acrolein	400	7.358996E-02	800	7.307486E-02	1600	6.899907E-02						
Acrylonitrile	500	0.3513718	1000	0.3404382	2000	0.3028475						
Allyl chloride	100	0.5227726	200	0.4511815	400	0.391696						
Benzene	100	3.983443	200	3.787299	400	3.55744						
Bromobenzene	100	1.055604	200	0.975727	400	0.8044975						
Bromochloromethane	100	0.685259	200	0.6179698	400	0.5197713						
Bromodichloromethane	100	0.3015328	200	0.3238674	400	0.3712038						
Bromoform	100	0.1528001	200	0.1589558	400	0.1756305						
Bromomethane	100	0.3335036	200	0.3388205	400	0.3368307						
Carbon disulfide	100	1.664098	200	1.530192	400	1.439193						
Carbon tetrachloride	100	1.417088	200	1.390938	400	1.383389						
Chlorobenzene	100	0.669522	200	0.6796259	400	0.7100729						
Chloroethane	100	0.2569588	200	0.2401678	400	0.2066229						
Chloroform	100	1.739932	200	1.670517	400	1.563341						
Chloromethane	100	0.851476	200	0.7949051	400	0.7836695						
cis-1,2-Dichloroethylene	100	1.246509	200	1.221503	400	1.131599						
cis-1,3-Dichloropropylene	100	0.3611332	200	0.3756931	400	0.3941967						
cis-decahydronaphthalene	100	~~0.436648~~	200	0.4414082	400	0.4870184						
Cyclohexane	100	1.707821	200	1.627281	400	1.501028						
Dibromochloromethane	100	0.2328188	200	0.2464966	400	0.2667637						
Dibromomethane	100	0.1372083	200	0.1465915	400	0.1676584						
Dichlorodifluoromethane	100	~~1.064008~~	200	0.887652	400	0.8149935						
Diisopropyl ether (DIPE)	100	1.078163	200	1.077241	400	0.9878466						
Ethanol	4000	4.475495E-03	8000	4.323478E-03	16000	3.80272E-03						

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50043
Instrument: MS VOA 2
Calibration Date: 08/12/25 06:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Ethyl Benzene	100	1.070042	200	1.081177	400	1.145241						
Ethyl Ether	100	~~0.3970039~~	200	0.3792087	400	0.3640446						
Ethyl Methacrylate	100	0.3161968	200	0.3429983	400	0.3539747						
Ethyl tert-butyl ether (ETBE)	100	2.552185	200	2.564384	400	2.463627						
Hexachlorobutadiene	100	0.4542102	200	0.5006592	400	0.5923471						
Hexachloroethane	100	0.4459406	200	0.4104571	400	0.4156296						
Iodomethane	100	0.7972931	200	0.72626	400	0.5691989						
Isopropylbenzene	100	1.825513	200	1.765173	400	1.732833						
Limonene	100	~~0.6131674~~	200	0.6182244	400	0.6211053						
Methyl acetate	100	~~0.3090262~~	200	0.2930766	400	0.2700279						
Methyl Methacrylate	100	0.1634284	200	0.1868011	400	0.214038						
Methyl tert-butyl ether (MTBE)	100	1.647458	200	1.631779	400	1.602498						
Methylcyclohexane	100	0.4740574	200	0.5104103	400	0.601647						
Methylene chloride	100	0.4554866	200	0.4258385	400	0.3939147						
Naphthalene	100	1.801497	200	2.058498	400	2.27637						
n-butyl acetate	100	~~0.1457703~~	200	0.1553613	400	0.1598085						
n-Butylbenzene	100	2.605207	200	2.630317	400	2.712935						
n-Decane	100	~~0.9025953~~	200	0.7744107	400	0.7042643						
n-Hexane	100	~~1.000307~~	200	0.9502258	400	0.9301828						
Nitrobenzene	1000	0.0403305	2000	5.028639E-02	4000	5.988116E-02						
n-Nonane	100	~~0.3760438~~	200	0.359045	400	0.3693656						
n-octane	100	~~0.263398~~	200	0.2660727	400	0.3119266						
n-Propylbenzene	100	0.989381	200	0.9760468	400	0.9813837						
n-undecane	100	~~0.8172775~~	200	0.7601511	400	0.77037						
o-Xylene	100	0.7430441	200	0.7702412	400	0.8351777						
p- & m- Xylenes	200	0.8122585	400	0.8237545	800	0.8583964						
p-Ethyltoluene	100	2.208336	200	2.103174	400	2.046142						
p-Isopropyltoluene	100	1.963634	200	1.991642	400	2.092161						

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50043
Instrument: MS VOA 2
Calibration Date: 08/12/25 06:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
sec-Butylbenzene	100	2.446365	200	2.385307	400	2.384255						
Styrene	100	2.764696E-02	200	2.817833E-02	400	3.181158E-02						
SURR: 1,2-Dichloroethane-d4	50	1.4238	50	1.325344	50	1.174013						
SURR: p-Bromofluorobenzene	50	0.9155334	50	0.8465586	50	0.734763						
SURR: Toluene-d8	50	1.234869	50	1.254173	50	1.361356						
tert-Amyl alcohol (TAA)	500	0.510437	1000	0.5128769	2000	0.4927253						
tert-Amyl methyl ether (TAME)	100	2.304298	200	2.33076	400	2.239103						
tert-Butyl alcohol (TBA)	500	6.270662E-02	1000	6.389484E-02	2000	5.759685E-02						
tert-Butylbenzene	100	1.734481	200	1.725602	400	1.763954						
Tetrachloroethylene	100	0.3661519	200	0.3872818	400	0.428089						
Tetrahydrofuran	500	0.3184624	1000	0.3060103	2000	0.2514842						
Toluene	100	1.039043	200	1.067911	400	1.193368						
trans-1,2-Dichloroethylene	100	0.7483556	200	0.7029321	400	0.6629373						
trans-1,3-Dichloropropylene	100	0.3611332	200	0.3756931	400	0.3941967						
trans-1,4-dichloro-2-butene	100	0.2165003	200	0.2112333	400	0.187759						
trans-decahydronaphthalene	100	~~0.6177187~~	200	0.591786	400	0.6282291						
Trichloroethylene	100	0.2710715	200	0.2862026	400	0.3344886						
Trichlorofluoromethane	100	1.348049	200	1.200682	400	1.065838						
Vinyl acetate	100	1.876737	200	1.810516	400	1.656707						
Vinyl Chloride	100	0.6451663	200	0.7172926	400	0.8104713						

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260D

calibration validated in SDG 25H1532, no quals needed

Laboratory: ALS Environmental - Stratford

Client: Terracon Consultants, Inc.

Calibration: SH50043

SDG: 25H1535

Project: HPN HVAC J4257006, 10.2

Instrument: MS VOA 2

Calibration Date: 08/12/25 06:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.2256465	4.822465	8.29	4.065701E-02			20	
1,1,1-Trichloroethane	1.567922	2.585069	4.633714	6.135931E-02			SPCC (0.1)	
1,1,2,2-Tetrachloroethane	0.5528865	7.387121	9.694572	2.671161E-02			SPCC (0.3)	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.7796237	9.713752	2.632	1.389579E-02			SPCC (0.1)	
1,1,2-Trichloroethane	0.2093322	4.210479	7.308	1.561458E-02			SPCC (0.1)	
1,1-Dichloroethane	1.513261	22.44956	3.773	6.906782E-02		0.9912503	SPCC (0.2)	
1,1-Dichloroethylene	0.7640093	9.719032	3.242	1.229764E-02			SPCC (0.1)	
1,1-Dichloropropylene	1.283755	12.06576	4.736429	5.526366E-02		0.9998182	0.99	
1,2,3-Trichlorobenzene	0.6070333	33.52716	13.50029	2.442374E-02		0.99955	0.99	
1,2,3-Trichloropropane	0.1856633	6.235791	9.836286	2.630647E-02			20	
1,2,3-Trimethylbenzene	1.629917	19.14652	10.735	2.001243E-02		0.9999126	0.99	
1,2,4,5-Tetramethylbenzene	1.37574	41.84346	11.87514	2.452205E-02		0.9993481	0.99	
1,2,4-Trichlorobenzene	0.6055662	36.59379	12.89329	2.627838E-02		0.999515	SPCC (0.2)	
1,2,4-Trimethylbenzene	1.623489	15.27535	9.831143	2.406679E-02		0.9998765	0.99	
1,2-Dibromo-3-chloropropane	9.656675E-02	16.25431	12.09571	1.985953E-02		0.9996529	SPCC (0.05)	
1,2-Dibromoethane	0.1884029	11.40416	7.704429	3.759267E-03			SPCC (0.1)	
1,2-Dichlorobenzene	1.01457	2.083674	11.17229	3.941679E-02			SPCC (0.4)	
1,2-Dichloroethane	1.279323	9.235067	5.130286	5.586652E-02			SPCC (0.1)	
1,2-Dichloropropane	0.2195767	14.23454	5.918	2.118718E-02			SPCC (0.1)	
1,3,5-Trimethylbenzene	1.891974	17.89953	9.735286	2.990281E-02		0.9997507	0.99	
1,3-Dichlorobenzene	1.000692	4.189356	10.60086	2.209732E-02			SPCC (0.6)	
1,3-Dichloropropane	0.3309782	12.29488	7.57	1.733432E-02			20	
1,4-Dichlorobenzene	0.943841	10.66506	10.70229	2.312052E-02			SPCC (0.5)	
1,4-Dioxane	2.104743E-03	39.00609	6.15975	0.0507613		0.999641	0.99	
2,2-Dichloropropane	1.314456	4.681048	4.320143	4.973653E-02			20	
2-Butanone	0.6465022	16.15445	4.601286	0.0116651		0.99928	SPCC (0.1)	
2-Chloroethylvinyl ether	3.524234E-02	47.23193	6.490143	3.439068E-02		0.998751	0.99	
2-Chlorotoluene	1.649412	8.481994	9.774429	3.502195E-02		0.9998633	0.99	
2-Hexanone	0.1333758	25.32603	7.930857	3.375407E-02		0.9993459	SPCC (0.1)	

RF<0.01, non VOC target

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50043
Instrument: MS VOA 2
Calibration Date: 08/12/25 06:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
2-Nitropropane	4.870913E-02	16.01582	6.983286	6.570742E-02		0.9998552	0.99	
4-Chlorotoluene	1.381301	13.55198	9.955715	2.428486E-02		0.9998465	0.99	
4-Methyl-2-pentanone	0.1857059	21.72496	7.124143	3.189443E-02		0.9987586	SPCC (0.1)	
Acetone	0.1671072	27.65594	3.156429	1.888187E-02		0.9981687	SPCC (0.1)	
Acrolein	7.714817E-02	11.03254	2.899889	6.674237E-02			20	
Acrylonitrile	0.3118334	14.77329	3.824333	8.225199E-02			20	
Allyl chloride	0.5262001	15.46957	3.013429	0.1057537			20	
Benzene	3.904333	4.654783	4.952428	6.547046E-02			SPCC (0.5)	
Bromobenzene	0.9624248	8.925844	9.570857	2.035892E-02			20	
Bromochloromethane	0.6817816	12.58713	4.397429	7.103465E-02			20	
Bromodichloromethane	0.2962272	13.6307	5.973	2.227424E-02			SPCC (0.2)	
Bromoform	0.1453451	12.73181	8.921429	3.805188E-02			SPCC (0.1)	
Bromomethane	0.3901117	24.23291	1.910429	0.1686795		0.9996629	SPCC (0.1)	
Carbon disulfide	1.680327	9.784529	2.62	7.467089E-03			SPCC (0.1)	
Carbon tetrachloride	1.374423	1.934658	4.572714	6.191842E-02			SPCC (0.1)	
Chlorobenzene	0.6779016	2.673359	8.223857	2.798644E-02			SPCC (0.5)	
Chloroethane	0.2678192	14.86624	2.017429	0.1240886		0.9999375	SPCC (0.1)	
Chloroform	1.736257	5.521793	4.461	1.470763E-02			SPCC (0.2)	
Chloromethane	0.8985499	12.81671	1.570571	0.1312894		0.9996591	SPCC (0.1)	
cis-1,2-Dichloroethylene	1.096818	11.79778	4.229429	9.825847E-03			SPCC (0.1)	
cis-1,3-Dichloropropylene	0.3238379	18.93186	7.156	1.982836E-02		0.9998409	SPCC (0.2)	
cis-decahydronaphthalene	0.3672394	27.14411	11.387	1.269491E-02		0.99993	0.99	
Cyclohexane	1.468097	17.26158	4.394	2.131052E-02		0.9997632	SPCC (0.1)	
Dibromochloromethane	0.2199854	13.89498	7.477286	4.198984E-02			SPCC (0.1)	
Dibromomethane	0.1373249	11.27267	5.827857	6.976588E-02			20	
Dichlorodifluoromethane	1.110148	21.82929	1.393	1.089478E-02		0.9993784	SPCC (0.1)	
Diisopropyl ether (DIPE)	1.13669	13.80212	3.672429	8.747759E-02			20	
Ethanol	4.732545E-03	14.48384	2.570143	8.883476E-02		0.9999164	0.99	
Ethyl Benzene	1.043786	6.447125	8.253857	0.0298878			SPCC (0.1)	
Ethyl Ether	0.409355	10.69215	2.4262	0.1105764			20	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50043
Instrument: MS VOA 2
Calibration Date: 08/12/25 06:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Ethyl Methacrylate	0.2573629	34.66196	7.307143	2.833986E-02		0.9991058	0.99	
Ethyl tert-butyl ether (ETBE)	2.242486	15.44829	3.984286	7.452705E-02		0.9996516	0.99	
Hexachlorobutadiene	0.4287039	21.46905	12.87314	2.011258E-02		0.9998867	0.99	
Hexachloroethane non VOC target	0.8686297	77.95316	11.14986	7.915603E-02		0.9882736	0.99	*
Iodomethane	0.66418	14.89043	2.724	1.555557E-02		0.9990588	0.99	
Isopropylbenzene	1.623489	15.27535	9.831143	2.406679E-02		0.9998765	SPCC (0.1)	
Limonene	0.481897	29.15223	10.3392	3.100224E-02		0.9996947	0.99	
Methyl acetate	0.340581	18.71253	3.2636	0.1016383		0.999903	SPCC (0.1)	
Methyl Methacrylate	0.1358772	41.10453	6.118286	4.119592E-02		0.9993973	0.99	
Methyl tert-butyl ether (MTBE)	1.658823	4.600324	3.345429	1.360408E-02			SPCC (0.1)	
Methylcyclohexane	0.4469478	20.74691	5.444714	5.330586E-02		0.9999683	SPCC (0.1)	
Methylene chloride	0.5369086	28.99218	3.107143	7.244164E-02		0.9994692	SPCC (0.1)	
Naphthalene	1.416635	46.26546	13.27914	3.383916E-02		0.9987455	0.99	
n-butyl acetate	0.107452	44.40671	7.8412	4.487792E-02		0.999344	0.99	
n-Butylbenzene	2.470415	8.925249	11.00814	1.507442E-02		0.9999736	0.99	
n-Decane	0.7453998	12.41178	9.603	3.493727E-02		0.9999586	0.99	
n-Hexane	1.027955	9.786621	3.309	1.016698E-02			20	
Nitrobenzene	3.503796E-02	36.0169	12.75533	1.876336E-02		0.9992033	0.99	
n-Nonane	0.2753653	35.51059	8.1632	3.394591E-02		0.9997595	0.99	
n-octane	0.2148999	36.50623	6.5902	4.261934E-02		0.9999457	0.99	
n-Propylbenzene	0.8362526	23.01319	10.17343	5.320202E-03		0.9997509	0.99	
n-undecane	0.6682168	19.47563	10.9268	3.080138E-02		0.9999447	0.99	
o-Xylene	0.6177851	31.3053	8.843571	2.020043E-02		0.9997157	SPCC (0.3)	
p- & m- Xylenes	0.7490647	14.58733	8.402857	3.246099E-02		0.9999529	SPCC (0.1)	
p-Ethyltoluene	1.891974	17.89953	9.735286	2.990281E-02		0.9997507	0.99	
p-Isopropyltoluene	1.684185	24.71809	10.53557	3.267617E-02		0.9998173	0.99	
sec-Butylbenzene	2.284353	10.39919	10.37043	2.645975E-02		0.9999455	0.99	
Styrene	2.564078E-02	19.75952	9.173143	1.924632E-02		0.9998603	SPCC (0.3)	
SURR: 1,2-Dichloroethane-d4	1.467336	9.718778	5.071667	3.994824E-02			20	
SURR: p-Bromofluorobenzene	0.8734783	7.025122	9.466	4.670006E-03			20	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50043
Instrument: MS VOA 2
Calibration Date: 08/12/25 06:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
SURR: Toluene-d8	1.250399	3.799447	6.715	4.292508E-02			20	
tert-Amyl alcohol (TAA)	0.4484971	15.4483	3.984286	7.452705E-02		0.9996516	0.99	
tert-Amyl methyl ether (TAME)	2.062862	13.08936	5.058143	4.412469E-02		0.9996523	0.99	
tert-Butyl alcohol (TBA)	6.431418E-02	9.170095	3.448143	6.705749E-02			20	
tert-Butylbenzene	1.491759	21.53109	10.17429	2.549646E-02		0.9998046	0.99	
Tetrachloroethylene	0.3425387	16.12175	7.123286	4.119642E-02		0.9999246	SPCC (0.2)	
Tetrahydrofuran	0.2582748	22.22164	4.601333	1.096759E-02		0.9995136	0.99	
Toluene	1.015032	9.423202	6.764143	4.245036E-02			SPCC (0.4)	
trans-1,2-Dichloroethylene	0.7640093	9.719032	3.242	1.229764E-02			SPCC (0.1)	
trans-1,3-Dichloropropylene	0.3238379	18.93186	7.156	1.982836E-02		0.9998409	SPCC (0.1)	
trans-1,4-dichloro-2-butene	0.1842464	15.91285	9.886143	2.129566E-02		0.9993451	0.99	
trans-decahydronaphthalene	0.5479337	14.59709	10.765	4.014343E-02		0.9999882	0.99	
Trichloroethylene	0.273217	10.90886	5.454143	4.340252E-02			SPCC (0.2)	
Trichlorofluoromethane	1.437968	18.39468	2.144429	3.341931E-02		0.999435	SPCC (0.1)	
Vinyl acetate	1.681714	10.34614	3.991143	5.667853E-02			20	
Vinyl Chloride	0.7034683	9.094733	1.631571	0.1282874			SPCC (0.1)	

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50025
Laboratory ID: S5H1226-SCV1
Sequence: S5H1226
Standard ID: S25G542

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
1,1,1,2-Tetrachloroethane	50.0	45.3	-9.3	30.00
1,1,1-Trichloroethane	50.0	46.6	-6.8	30.00
1,1,2,2-Tetrachloroethane	50.0	52.0	4.1	30.00
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	49.7	-0.6	30.00
1,1,2-Trichloroethane	50.0	51.3	2.7	30.00
1,1-Dichloroethane	50.0	44.8	-10.4	30.00
1,1-Dichloroethylene	50.0	49.7	-0.7	30.00
1,2,3-Trichlorobenzene	50.0	45.3	-9.5	30.00
1,2,3-Trichloropropane	50.0	51.4	2.8	30.00
1,2,4-Trichlorobenzene	50.0	44.8	-10.4	30.00
1,2,4-Trimethylbenzene	50.0	50.6	1.3	30.00
1,2-Dibromo-3-chloropropane	50.0	43.0	-14.0	30.00
1,2-Dibromoethane	50.0	53.5	6.9	30.00
1,2-Dichlorobenzene	50.0	47.6	-4.8	30.00
1,2-Dichloroethane	50.0	48.5	-3.0	30.00
1,2-Dichloropropane	50.0	51.5	3.0	30.00
1,3,5-Trimethylbenzene	50.0	51.2	2.4	30.00
1,3-Dichlorobenzene	50.0	47.0	-6.0	30.00
1,4-Dichlorobenzene	50.0	48.4	-3.3	30.00
2-Butanone	50.0	58.0	16.0	30.00
2-Hexanone	50.0	53.1	6.1	30.00
4-Methyl-2-pentanone	50.0	49.9	-0.2	30.00
Acetone	50.0	69.3	38.7 *	30.00
Acrolein	50.0	35.1	-29.8	30.00
Acrylonitrile	50.0	56.2	12.3	30.00

sample 4, 9, and 10 qual J+:SS+ for acetone

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50025
Laboratory ID: S5H1226-SCV1
Sequence: S5H1226
Standard ID: S25G542

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
Benzene	50.0	50.5	1.0	30.00
Bromochloromethane	50.0	52.4	4.9	30.00
Bromodichloromethane	50.0	46.4	-7.3	30.00
Bromoform	50.0	44.9	-10.2	30.00
Bromomethane	50.0	36.6	-26.8	30.00
Carbon disulfide	50.0	48.0	-3.9	30.00
Carbon tetrachloride	50.0	43.6	-12.7	30.00
Chlorobenzene	50.0	49.8	-0.4	30.00
Chloroethane	50.0	47.0	-6.0	30.00
Chloroform	50.0	48.0	-4.0	30.00
Chloromethane	50.0	40.2	-19.7	30.00
cis-1,2-Dichloroethylene	50.0	51.6	3.2	30.00
cis-1,3-Dichloropropylene	50.0	46.3	-7.4	30.00
Cyclohexane	50.0	50.7	1.3	30.00
Dibromochloromethane	50.0	45.2	-9.6	30.00
Dibromomethane	50.0	51.0	2.0	30.00
Dichlorodifluoromethane	50.0	30.8	-38.3 *	30.00
Ethyl Benzene	50.0	51.4	2.9	30.00
Hexachlorobutadiene	50.0	47.3	-5.4	30.00
Isopropylbenzene	50.0	46.9	-6.2	30.00
Methyl acetate	50.0	80.7	61.4 *	30.00
Methyl tert-butyl ether (MTBE)	50.0	50.1	0.1	30.00
Methylcyclohexane	50.0	50.6	1.2	30.00
Methylene chloride	50.0	53.0	5.9	30.00
n-Butylbenzene	50.0	48.5	-2.9	30.00

samples 3,4,9, and 10 qual UJ:SS- for Dichlorodifluoromethane

samples ND for Methyl acetate so no qual

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50025
Laboratory ID: S5H1226-SCV1
Sequence: S5H1226
Standard ID: S25G542

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
n-Propylbenzene	50.0	50.3	0.6	30.00
o-Xylene	50.0	48.2	-3.6	30.00
p- & m- Xylenes	100	102	2.1	30.00
p-Isopropyltoluene	50.0	49.0	-1.9	30.00
sec-Butylbenzene	50.0	51.4	2.8	30.00
Styrene	50.0	46.0	-7.9	30.00
tert-Butyl alcohol (TBA)	250	269	7.8	30.00
tert-Butylbenzene	50.0	46.6	-6.8	30.00
Tetrachloroethylene	50.0	40.2	-19.7	30.00
Toluene	50.0	50.1	0.2	30.00
trans-1,2-Dichloroethylene	50.0	48.8	-2.4	30.00
trans-1,3-Dichloropropylene	50.0	45.0	-10.0	30.00
trans-1,4-dichloro-2-butene	50.0	52.9	5.8	30.00
Trichloroethylene	50.0	48.2	-3.7	30.00
Trichlorofluoromethane	50.0	46.0	-7.9	30.00
Vinyl Chloride	50.0	43.3	-13.5	30.00

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260D

Laboratory: ALS Environmental - Stratford

SDG: 25H1735

Client: Terracon Consultants, Inc.

Project: HPN HVAC J4257006, 10.2

Calibration: SH50039

ICV for FB so no eval

Laboratory ID: S5H1812-SCV1

Sequence: S5H1812

Standard ID: S25G541

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
1,1,1,2-Tetrachloroethane	10.0	9.86	-1.4	30.00
1,1,1-Trichloroethane	10.0	9.59	-4.1	30.00
1,1,2,2-Tetrachloroethane	10.0	9.14	-8.6	30.00
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	8.42	-15.8	30.00
1,1,2-Trichloroethane	10.0	9.21	-7.9	30.00
1,1-Dichloroethane	10.0	9.54	-4.6	30.00
1,1-Dichloroethylene	10.0	8.83	-11.7	30.00
1,2,3-Trichlorobenzene	10.0	10.9	8.9	30.00
1,2,3-Trichloropropane	10.0	9.44	-5.6	30.00
1,2,4-Trichlorobenzene	10.0	10.8	7.8	30.00
1,2,4-Trimethylbenzene	10.0	10.5	4.9	30.00
1,2-Dibromo-3-chloropropane	10.0	9.11	-8.9	30.00
1,2-Dibromoethane	10.0	9.44	-5.6	30.00
1,2-Dichlorobenzene	10.0	10.2	2.5	30.00
1,2-Dichloroethane	10.0	8.94	-10.6	30.00
1,2-Dichloropropane	10.0	9.89	-1.1	30.00
1,3,5-Trimethylbenzene	10.0	10.5	5.0	30.00
1,3-Dichlorobenzene	10.0	10.3	3.1	30.00
1,3-Dichloropropane	10.0	9.18	-8.2	30.00
1,4-Dichlorobenzene	10.0	10.3	3.1	30.00
2-Butanone	10.0	8.60	-14.0	30.00
2-Hexanone	10.0	8.81	-11.9	30.00
4-Methyl-2-pentanone	10.0	8.70	-13.0	30.00
Acetone	10.0	9.26	-7.4	30.00
Acrolein	10.0	4.77	-52.3 *	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50039
Laboratory ID: S5H1812-SCV1
Sequence: S5H1812
Standard ID: S25G541

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
Acrylonitrile	10.0	8.08	-19.2	30.00
Benzene	10.0	10.0	0.2	30.00
Bromochloromethane	10.0	9.32	-6.8	30.00
Bromodichloromethane	10.0	9.76	-2.4	30.00
Bromoform	10.0	9.41	-5.9	30.00
Bromomethane	10.0	8.76	-12.4	30.00
Carbon disulfide	10.0	8.42	-15.8	30.00
Carbon tetrachloride	10.0	9.49	-5.1	30.00
Chlorobenzene	10.0	10.1	1.2	30.00
Chloroethane	10.0	9.09	-9.1	30.00
Chloroform	10.0	9.68	-3.2	30.00
Chloromethane	10.0	8.19	-18.1	30.00
cis-1,2-Dichloroethylene	10.0	9.95	-0.5	30.00
cis-1,3-Dichloropropylene	10.0	10.1	0.6	30.00
Cyclohexane	10.0	8.41	-15.9	30.00
Dibromochloromethane	10.0	9.77	-2.3	30.00
Dibromomethane	10.0	9.21	-7.9	30.00
Dichlorodifluoromethane	10.0	6.15	-38.5 *	30.00
Ethyl Benzene	10.0	10.0	0.4	30.00
Hexachlorobutadiene	10.0	9.39	-6.1	30.00
Isopropylbenzene	10.0	10.2	1.5	30.00
Methyl acetate	10.0	13.8	38.5 *	30.00
Methyl tert-butyl ether (MTBE)	10.0	8.57	-14.3	30.00
Methylcyclohexane	10.0	8.31	-16.9	30.00
Methylene chloride	10.0	12.9	29.2	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50039
Laboratory ID: S5H1812-SCV1
Sequence: S5H1812
Standard ID: S25G541

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
Naphthalene	10.0	10.7	7.2	30.00
n-Butylbenzene	10.0	9.58	-4.2	30.00
n-Propylbenzene	10.0	9.82	-1.8	30.00
o-Xylene	10.0	10.3	3.2	30.00
p- & m- Xylenes	20.0	20.1	0.5	30.00
p-Diethylbenzene	10.0	9.83	-1.7	30.00
p-Ethyltoluene	10.0	10.1	0.8	30.00
p-Isopropyltoluene	10.0	9.76	-2.4	30.00
sec-Butylbenzene	10.0	9.52	-4.8	30.00
Styrene	10.0	10.0	0.3	30.00
tert-Butyl alcohol (TBA)	50.0	37.1	-25.8	30.00
tert-Butylbenzene	10.0	9.88	-1.2	30.00
Tetrachloroethylene	10.0	8.79	-12.1	30.00
Toluene	10.0	10.1	1.2	30.00
trans-1,2-Dichloroethylene	10.0	9.53	-4.7	30.00
trans-1,3-Dichloropropylene	10.0	9.56	-4.4	30.00
Trichloroethylene	10.0	9.83	-1.7	30.00
Trichlorofluoromethane	10.0	8.66	-13.4	30.00
Vinyl Chloride	10.0	8.15	-18.5	30.00

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

assoc 1,2

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50043
Laboratory ID: S5H1911-SCV1
Sequence: S5H1911
Standard ID: S25G542

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
1,1,1,2-Tetrachloroethane	50.0	50.5	0.9	30.00
1,1,1-Trichloroethane	50.0	53.5	7.1	30.00
1,1,2,2-Tetrachloroethane	50.0	52.7	5.4	30.00
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	50.5	1.0	30.00
1,1,2-Trichloroethane	50.0	50.8	1.7	30.00
1,1-Dichloroethane	50.0	21.6	-56.7 *	30.00
1,1-Dichloroethylene	50.0	52.2	4.4	30.00
1,2,3-Trichlorobenzene	50.0	50.7	1.4	30.00
1,2,3-Trichloropropane	50.0	51.3	2.5	30.00
1,2,4-Trichlorobenzene	50.0	51.3	2.6	30.00
1,2,4-Trimethylbenzene	50.0	53.5	7.0	30.00
1,2-Dibromo-3-chloropropane	50.0	42.9	-14.2	30.00
1,2-Dibromoethane	50.0	51.2	2.5	30.00
1,2-Dichlorobenzene	50.0	52.1	4.2	30.00
1,2-Dichloroethane	50.0	53.1	6.2	30.00
1,2-Dichloropropane	50.0	51.2	2.3	30.00
1,3,5-Trimethylbenzene	50.0	52.1	4.2	30.00
1,3-Dichlorobenzene	50.0	55.8	11.6	30.00
1,4-Dichlorobenzene	50.0	57.6	15.2	30.00
2-Butanone	50.0	8.22	-83.6 *	30.00
2-Hexanone	50.0	35.4	-29.3	30.00
4-Methyl-2-pentanone	50.0	39.8	-20.4	30.00
Acetone	50.0	47.8	-4.3	30.00
Acrolein	50.0	63.5	26.9	30.00
Acrylonitrile	50.0	22.4	-55.2 *	30.00

samples 1 and 2 qual UJ:SS- for 1,1-Dichloroethane and Acrylonitrile

qual UR:SS- for 2-Butanone

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50043
Laboratory ID: S5H1911-SCV1
Sequence: S5H1911
Standard ID: S25G542

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
Benzene	50.0	51.6	3.2	30.00
Bromochloromethane	50.0	59.2	18.4	30.00
Bromodichloromethane	50.0	50.0	0.0	30.00
Bromoform	50.0	51.1	2.2	30.00
Bromomethane	50.0	50.6	1.2	30.00
Carbon disulfide	50.0	52.0	3.9	30.00
Carbon tetrachloride	50.0	53.8	7.6	30.00
Chlorobenzene	50.0	51.2	2.4	30.00
Chloroethane	50.0	51.8	3.7	30.00
Chloroform	50.0	53.2	6.3	30.00
Chloromethane	50.0	44.7	-10.5	30.00
cis-1,2-Dichloroethylene	50.0	54.4	8.8	30.00
cis-1,3-Dichloropropylene	50.0	50.3	0.6	30.00
Cyclohexane	50.0	49.1	-1.9	30.00
Dibromochloromethane	50.0	50.4	0.7	30.00
Dibromomethane	50.0	47.5	-4.9	30.00
Dichlorodifluoromethane	50.0	48.0	-4.0	30.00
Ethyl Benzene	50.0	53.8	7.6	30.00
Hexachlorobutadiene	50.0	50.2	0.5	30.00
Isopropylbenzene	50.0	53.5	7.0	30.00
Methyl acetate	50.0	81.6	63.2 *	30.00
Methyl tert-butyl ether (MTBE)	50.0	48.9	-2.2	30.00
Methylcyclohexane	50.0	50.1	0.2	30.00
Methylene chloride	50.0	55.2	10.3	30.00
n-Butylbenzene	50.0	38.3	-23.3	30.00

samples ND for Methyl acetate so no qual

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260D

Laboratory: ALS Environmental - Stratford
SDG: 25H1735
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Calibration: SH50043
Laboratory ID: S5H1911-SCV1
Sequence: S5H1911
Standard ID: S25G542

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
n-Propylbenzene	50.0	48.8	-2.4	30.00
o-Xylene	50.0	51.8	3.7	30.00
p- & m- Xylenes	100	113	13.0	30.00
p-Isopropyltoluene	50.0	52.6	5.3	30.00
sec-Butylbenzene	50.0	54.0	8.0	30.00
Styrene	50.0	53.6	7.2	30.00
tert-Butyl alcohol (TBA)	250	212	-15.1	30.00
tert-Butylbenzene	50.0	43.6	-12.7	30.00
Tetrachloroethylene	50.0	41.1	-17.9	30.00
Toluene	50.0	52.3	4.5	30.00
trans-1,2-Dichloroethylene	50.0	52.2	4.4	30.00
trans-1,3-Dichloropropylene	50.0	49.0	-1.9	30.00
trans-1,4-dichloro-2-butene	50.0	45.8	-8.4	30.00
Trichloroethylene	50.0	49.3	-1.3	30.00
Trichlorofluoromethane	50.0	54.3	8.5	30.00
Vinyl Chloride	50.0	45.3	-9.4	30.00

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	VOA No. 5	Calibration:	SH50025
Lab File ID:	V5449471.D	Calibration Date:	08/09/25 07:00
Sequence:	S5H2516	Injection Date:	08/23/25
Lab Sample ID:	S5H2516-CCV1	Injection Time:	07:58

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1,1,2-Tetrachloroethane	A	50.0	47.1	0.2198768	0.227261		-5.8	20	
1,1,1-Trichloroethane	A	50.0	48.3	1.355765	1.416404	0.1	-3.3	20	
1,1,2,2-Tetrachloroethane	A	50.0	53.0	0.5237994	0.5546773	0.3	5.9	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	50.0	49.9	0.9982507	0.996151	0.1	-0.2	20	
1,1,2-Trichloroethane	A	50.0	51.5	0.1992477	0.2051804	0.1	3.0	20	
1,1-Dichloroethane	A	50.0	46.1	1.740932	1.60468	0.2	-7.8	20	
1,1-Dichloroethylene	A	50.0	52.4	1.30643	1.370562	0.1	4.9	20	
1,2,3-Trichlorobenzene	A	50.0	51.0	0.5660636	0.6277203		1.9	20	
1,2,3-Trichloropropane	A	50.0	54.4	0.1554631	0.169182		8.8	20	
1,2,4-Trichlorobenzene	A	50.0	53.2	0.5631671	0.6655763	0.2	6.4	20	
1,2,4-Trimethylbenzene	A	50.0	55.4	1.786491	1.978759		10.8	20	
1,2-Dibromo-3-chloropropane	A	50.0	49.5	7.435527E-02	8.911487E-02	0.05	-1.0	20	
1,2-Dibromoethane	A	50.0	52.8	0.1906785	0.2012522	0.1	5.5	20	
1,2-Dichlorobenzene	A	50.0	51.6	1.026625	1.060076	0.4	3.3	20	
1,2-Dichloroethane	A	50.0	50.4	1.353714	1.363432	0.1	0.7	20	
1,2-Dichloropropane	A	50.0	47.9	0.2596529	0.2488205	0.1	-4.2	20	
1,3,5-Trimethylbenzene	A	50.0	54.8	1.786744	1.957899		9.6	20	
1,3-Dichlorobenzene	A	50.0	52.4	1.074951	1.126168	0.6	4.8	20	
1,4-Dichlorobenzene	A	50.0	54.3	0.9992511	1.084575	0.5	8.5	20	
2-Butanone	A	50.0	50.5	0.1230569	0.1243534	0.1	1.1	20	
2-Hexanone	A	50.0	49.4	0.1497562	0.1714487	0.1	-1.2	20	
4-Methyl-2-pentanone	A	50.0	47.8	0.2085901	0.2305143	0.1	-4.5	20	
Acetone	A	50.0	68.1	0.28801	0.3206416	0.1	36.1	20	*
Acrolein	A	200	204	0.1134158	0.1168335		3.0	20	
Acrylonitrile	A	250	265	0.2540822	0.2717742		7.0	20	
Benzene	A	50.0	47.4	4.164751	3.948879	0.5	-5.2	20	
Bromochloromethane	A	50.0	47.1	0.822451	0.7753069		-5.7	20	
Bromodichloromethane	A	50.0	49.4	0.2705824	0.3002037	0.2	-1.1	20	
Bromoform	A	50.0	45.7	0.1070687	0.1150452	0.1	-8.6	20	

samples 4, 9, and 10 qual J+:CV+

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	VOA No. 5	Calibration:	SH50025
Lab File ID:	V5449471.D	Calibration Date:	08/09/25 07:00
Sequence:	S5H2516	Injection Date:	08/23/25
Lab Sample ID:	S5H2516-CCV1	Injection Time:	07:58

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Bromomethane	A	50.0	41.1	0.7285781	0.7195549	0.1	-17.8	20	
Carbon disulfide	A	50.0	50.7	2.478686	2.513118	0.1	1.4	20	
Carbon tetrachloride	A	50.0	45.7	1.179418	1.20851	0.1	-8.6	20	
Chlorobenzene	A	50.0	49.8	0.696137	0.6940538	0.5	-0.3	20	
Chloroethane	A	50.0	48.6	0.6120284	0.595361	0.1	-2.7	20	
Chloroform	A	50.0	50.2	1.760747	1.767949	0.2	0.4	20	
Chloromethane	A	50.0	39.1	1.146363	0.8959017	0.1	-21.8	20	*
cis-1,2-Dichloroethylene	A	50.0	48.7	1.558448	1.519024	0.1	-2.5	20	
cis-1,3-Dichloropropylene	A	50.0	46.4	0.3444791	0.3732409	0.2	-7.2	20	
Cyclohexane	A	50.0	46.5	1.833752	1.705919	0.1	-7.0	20	
Dibromochloromethane	A	50.0	47.4	0.1950478	0.2130329	0.1	-5.2	20	
Dibromomethane	A	50.0	50.3	0.1376992	0.1386161		0.7	20	
Dichlorodifluoromethane	A	50.0	46.3	0.8851006	0.7924891	0.1	-7.4	20	
Ethyl Benzene	A	50.0	52.7	1.180867	1.243919	0.1	5.3	20	
Hexachlorobutadiene	A	50.0	55.6	0.3616223	0.4025093		11.3	20	
Isopropylbenzene	A	50.0	50.7	2.01931	2.31163	0.1	1.4	20	
Methyl acetate	A	50.0	55.8	0.5379647	0.6006932	0.1	11.7	20	
Methyl tert-butyl ether (MTBE)	A	50.0	53.2	2.169352	2.310509	0.1	6.5	20	
Methylcyclohexane	A	50.0	51.1	0.4673555	0.4775624	0.1	2.2	20	
Methylene chloride	A	50.0	50.6	1.27261	1.048602	0.1	1.3	20	
n-Butylbenzene	A	50.0	55.0	2.404388	2.646533		10.1	20	
n-Propylbenzene	A	50.0	55.2	2.644992	2.921194		10.4	20	
o-Xylene	A	50.0	49.4	0.8508976	0.9436005	0.3	-1.2	20	
p- & m- Xylenes	A	100	105	0.9255717	0.9695331	0.1	4.7	20	
p-Isopropyltoluene	A	50.0	54.0	2.092307	2.258878		8.0	20	
sec-Butylbenzene	A	50.0	56.1	2.27126	2.546368		12.1	20	
Styrene	A	50.0	49.0	0.7191843	0.772249	0.3	-2.0	20	
tert-Butyl alcohol (TBA)	A	250	274	7.231196E-02	0.0791394		9.4	20	
tert-Butylbenzene	A	50.0	50.9	1.457495	1.653129		1.9	20	

samples 3,4,9,and 10 qual UJ:CV- for Chloromethane

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	VOA No. 5	Calibration:	SH50025
Lab File ID:	V5449471.D	Calibration Date:	08/09/25 07:00
Sequence:	S5H2516	Injection Date:	08/23/25
Lab Sample ID:	S5H2516-CCV1	Injection Time:	07:58

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Tetrachloroethylene	A	50.0	45.9	0.320325	0.2855436	0.2	-8.2	20	
Toluene	A	50.0	49.7	1.111956	1.104659	0.4	-0.7	20	
trans-1,2-Dichloroethylene	A	50.0	52.6	1.256046	1.320296	0.1	5.1	20	
trans-1,3-Dichloropropylene	A	50.0	46.8	0.2858257	0.3217902	0.1	-6.5	20	
trans-1,4-dichloro-2-butene	A	50.0	53.2	0.5826128	0.62045		6.5	20	
Trichloroethylene	A	50.0	51.2	0.2564365	0.2625505	0.2	2.4	20	
Trichlorofluoromethane	A	50.0	50.2	1.701629	1.709901	0.1	0.5	20	
Vinyl Chloride	A	50.0	44.0	1.073907	0.9443703	0.1	-12.1	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Instrument ID: VOA No. 10
Lab File ID: V10C14601.D
Sequence: S5H2528
Lab Sample ID: S5H2528-CCV1

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Calibration: SH50039
Calibration Date: 08/09/25 07:00
Injection Date: 08/25/25
Injection Time: 01:55

CCV for trip blank so no eval

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1,1,2-Tetrachloroethane	A	10.0	9.57	0.8926203	0.8538941		-4.3	20	
1,1,1-Trichloroethane	A	10.0	9.72	2.738407	2.66163	0.1	-2.8	20	
1,1,2,2-Tetrachloroethane	A	10.0	9.30	0.5101949	0.4742738	0.3	-7.0	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	8.90	1.819192	1.618642	0.1	-11.0	20	
1,1,2-Trichloroethane	A	10.0	9.39	0.6382287	0.599136	0.1	-6.1	20	
1,1-Dichloroethane	A	10.0	10.1	3.767666	3.791345	0.2	0.6	20	
1,1-Dichloroethylene	A	10.0	9.35	3.434102	3.212458	0.1	-6.5	20	
1,2,3-Trichlorobenzene	A	10.0	10.2	0.1656962	0.1683093		1.6	20	
1,2,3-Trichloropropane	A	10.0	9.69	0.1309033	0.1268666		-3.1	20	
1,2,4-Trichlorobenzene	A	10.0	10.3	0.3070072	0.3163059	0.2	3.0	20	
1,2,4-Trimethylbenzene	A	10.0	10.2	3.044832	3.114275		2.3	20	
1,2-Dibromo-3-chloropropane	A	10.0	9.67	5.586423E-02	5.403417E-02	0.05	-3.3	20	
1,2-Dibromoethane	A	10.0	9.39	0.5485547	0.5151025	0.1	-6.1	20	
1,2-Dichlorobenzene	A	10.0	9.87	1.06712	1.052943	0.4	-1.3	20	
1,2-Dichloroethane	A	10.0	8.92	1.841159	1.642963	0.1	-10.8	20	
1,2-Dichloropropane	A	10.0	10.4	1.356261	1.407287	0.1	3.8	20	
1,3,5-Trimethylbenzene	A	10.0	10.1	3.208038	3.239055		1.0	20	
1,3-Dichlorobenzene	A	10.0	9.99	1.344718	1.343311	0.6	-0.1	20	
1,3-Dichloropropane	A	10.0	9.62	1.281259	1.231977		-3.8	20	
1,4-Dichlorobenzene	A	10.0	9.97	1.312487	1.308724	0.5	-0.3	20	
2-Butanone	A	10.0	9.31	9.252046E-02	9.057773E-02	0.1	-6.9	20	
2-Hexanone	A	10.0	9.29	0.3243327	0.3011738	0.1	-7.1	20	
4-Methyl-2-pentanone	A	10.0	9.26	0.4911761	0.4550543	0.1	-7.4	20	
Acetone	A	10.0	10.1	0.121368	9.350317E-02	0.1	0.9	20	
Acrolein	A	40.0	26.3	0.174206	9.468125E-02		-34.2	20 *	
Acrylonitrile	A	50.0	42.1	0.3104887	0.2612728		-15.9	20	
Benzene	A	10.0	9.90	8.080843	8.000814	0.5	-1.0	20	
Bromochloromethane	A	10.0	9.57	1.352557	1.294726		-4.3	20	
Bromodichloromethane	A	10.0	9.89	1.374695	1.360012	0.2	-1.1	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	VOA No. 10	Calibration:	SH50039
Lab File ID:	V10C14601.D	Calibration Date:	08/09/25 07:00
Sequence:	S5H2528	Injection Date:	08/25/25
Lab Sample ID:	S5H2528-CCV1	Injection Time:	01:55

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Bromoform	A	10.0	8.79	0.2892072	0.2542492	0.1	-12.1	20	
Bromomethane	A	10.0	7.62	0.8527434	0.6790563	0.1	-23.8	20 *	
Carbon disulfide	A	10.0	8.96	6.074474	5.440293	0.1	-10.4	20	
Carbon tetrachloride	A	10.0	9.65	2.211353	2.133305	0.1	-3.5	20	
Chlorobenzene	A	10.0	9.75	3.097115	3.021068	0.5	-2.5	20	
Chloroethane	A	10.0	9.59	1.778386	1.705116	0.1	-4.1	20	
Chloroform	A	10.0	9.64	3.134232	3.022265	0.2	-3.6	20	
Chloromethane	A	10.0	8.26	2.368406	1.956253	0.1	-17.4	20	
cis-1,2-Dichloroethylene	A	10.0	9.83	3.09892	3.045581	0.1	-1.7	20	
cis-1,3-Dichloropropylene	A	10.0	10.0	1.700866	1.70158	0.2	0.04	20	
Cyclohexane	A	10.0	9.97	4.271907	4.259209	0.1	-0.3	20	
Dibromochloromethane	A	10.0	9.49	0.663911	0.6302514	0.1	-5.1	20	
Dibromomethane	A	10.0	9.34	0.4505856	0.4209648		-6.6	20	
Dichlorodifluoromethane	A	10.0	8.88	2.200768	1.780434	0.1	-11.2	20	
Ethyl Benzene	A	10.0	9.84	6.438806	6.337344	0.1	-1.6	20	
Hexachlorobutadiene	A	10.0	9.74	0.1648208	0.1604823		-2.6	20	
Isopropylbenzene	A	10.0	10.5	4.446921	4.674886	0.1	5.1	20	
Methyl acetate	A	10.0	9.80	0.7720489	0.626525	0.1	-2.0	20	
Methyl tert-butyl ether (MTBE)	A	10.0	7.86	3.456035	2.715205	0.1	-21.4	20 *	
Methylcyclohexane	A	10.0	9.46	2.662191	2.519145	0.1	-5.4	20	
Methylene chloride	L	10.0	7.85	14.17398	2.577109	0.1	-21.5	20 *	
Naphthalene	A	10.0	10.2	0.5638147	0.576044		2.2	20	
n-Butylbenzene	A	10.0	9.59	3.210376	3.078554		-4.1	20	
n-Propylbenzene	A	10.0	10.3	5.441742	5.612612		3.1	20	
o-Xylene	A	10.0	9.87	4.531574	4.474522	0.3	-1.3	20	
p- & m- Xylenes	A	20.0	19.4	4.849052	4.709795	0.1	-2.9	20	
p-Ethyltoluene	A	10.0	10.2	4.251483	4.317715		1.6	20	
p-Isopropyltoluene	A	10.0	10.0	3.08194	3.083164		0.04	20	
sec-Butylbenzene	A	10.0	10.1	3.868527	3.905658		1.0	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	VOA No. 10	Calibration:	SH50039
Lab File ID:	V10C14601.D	Calibration Date:	08/09/25 07:00
Sequence:	S5H2528	Injection Date:	08/25/25
Lab Sample ID:	S5H2528-CCV1	Injection Time:	01:55

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Styrene	A	10.0	9.82	3.311055	3.250404	0.3	-1.8	20	
tert-Butyl alcohol (TBA)	A	50.0	45.7	6.896131E-02	5.073966E-02		-8.7	20	
tert-Butylbenzene	A	10.0	10.3	2.648954	2.722089		2.8	20	
Tetrachloroethylene	A	10.0	15.4	1.31932	2.031161	0.2	54.0	20 *	
Toluene	A	10.0	9.87	5.865359	5.78779	0.4	-1.3	20	
trans-1,2-Dichloroethylene	A	10.0	9.43	3.222773	3.037619	0.1	-5.7	20	
trans-1,3-Dichloropropylene	A	10.0	9.62	1.275164	1.227216	0.1	-3.8	20	
Trichloroethylene	A	10.0	10.5	1.328998	1.401101	0.2	5.4	20	
Trichlorofluoromethane	A	10.0	9.08	2.967753	2.693438	0.1	-9.2	20	
Vinyl Chloride	A	10.0	9.52	2.644684	2.516608	0.1	-4.8	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	VOA No. 10	Calibration:	SH50039
Lab File ID:	V10C14650.D	Calibration Date:	08/09/25 07:00
Sequence:	S5H2613	Injection Date:	08/26/25
Lab Sample ID:	S5H2613-CCV1	Injection Time:	01:24

CCV for FB so no eval

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		Q
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1,1,2-Tetrachloroethane	A	10.0	11.7	0.8926203	1.042528		16.8	20	
1,1,1-Trichloroethane	A	10.0	10.6	2.738407	2.896587	0.1	5.8	20	
1,1,2,2-Tetrachloroethane	A	10.0	8.94	0.5101949	0.4562076	0.3	-10.6	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	9.20	1.819192	1.674126	0.1	-8.0	20	
1,1,2-Trichloroethane	A	10.0	11.7	0.6382287	0.7440728	0.1	16.6	20	
1,1-Dichloroethane	A	10.0	10.7	3.767666	4.031646	0.2	7.0	20	
1,1-Dichloroethylene	A	10.0	8.00	3.434102	2.74663	0.1	-20.0	20	
1,2,3-Trichlorobenzene	A	10.0	11.4	0.1656962	0.1880652		13.5	20	
1,2,3-Trichloropropane	A	10.0	9.35	0.1309033	0.1224527		-6.5	20	
1,2,4-Trichlorobenzene	A	10.0	10.8	0.3070072	0.3319603	0.2	8.1	20	
1,2,4-Trimethylbenzene	A	10.0	9.41	3.044832	2.864927		-5.9	20	
1,2-Dibromo-3-chloropropane	A	10.0	8.85	5.586423E-02	4.942847E-02	0.05	-11.5	20	
1,2-Dibromoethane	A	10.0	11.8	0.5485547	0.6491986	0.1	18.3	20	
1,2-Dichlorobenzene	A	10.0	10.1	1.06712	1.079526	0.4	1.2	20	
1,2-Dichloroethane	A	10.0	9.49	1.841159	1.747653	0.1	-5.1	20	
1,2-Dichloropropane	A	10.0	11.3	1.356261	1.534002	0.1	13.1	20	
1,3,5-Trimethylbenzene	A	10.0	9.33	3.208038	2.991612		-6.7	20	
1,3-Dichlorobenzene	A	10.0	10.0	1.344718	1.34799	0.6	0.2	20	
1,3-Dichloropropane	A	10.0	11.1	1.281259	1.423196		11.1	20	
1,4-Dichlorobenzene	A	10.0	10.0	1.312487	1.316991	0.5	0.3	20	
2-Butanone	A	10.0	11.4	9.252046E-02	0.110848	0.1	13.5	20	
2-Hexanone	A	10.0	11.2	0.3243327	0.3626687	0.1	11.8	20	
4-Methyl-2-pentanone	A	10.0	11.1	0.4911761	0.5458945	0.1	11.1	20	
Acetone	A	10.0	10.4	0.121368	9.663273E-02	0.1	4.2	20	
Acrolein	A	40.0	27.3	0.174206	9.817587E-02		-31.8	20 *	
Acrylonitrile	A	50.0	50.2	0.3104887	0.3114616		0.3	20	
Benzene	A	10.0	11.2	8.080843	9.086766	0.5	12.4	20	
Bromochloromethane	A	10.0	10.6	1.352557	1.431941		5.9	20	
Bromodichloromethane	A	10.0	11.0	1.374695	1.518057	0.2	10.4	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	VOA No. 10	Calibration:	SH50039
Lab File ID:	V10C14650.D	Calibration Date:	08/09/25 07:00
Sequence:	S5H2613	Injection Date:	08/26/25
Lab Sample ID:	S5H2613-CCV1	Injection Time:	01:24

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Bromoform	A	10.0	12.2	0.2892072	0.3523248	0.1	21.8	20 *	
Bromomethane	A	10.0	4.03	0.8527434	0.3530333	0.1	-59.7	20 *	
Carbon disulfide	A	10.0	8.62	6.074474	5.235921	0.1	-13.8	20	
Carbon tetrachloride	A	10.0	10.3	2.211353	2.279202	0.1	3.1	20	
Chlorobenzene	A	10.0	11.6	3.097115	3.601582	0.5	16.3	20	
Chloroethane	A	10.0	8.45	1.778386	1.501995	0.1	-15.5	20	
Chloroform	A	10.0	10.9	3.134232	3.414667	0.2	8.9	20	
Chloromethane	A	10.0	5.90	2.368406	1.397973	0.1	-41.0	20 *	
cis-1,2-Dichloroethylene	A	10.0	10.5	3.09892	3.252752	0.1	5.0	20	
cis-1,3-Dichloropropylene	A	10.0	11.2	1.700866	1.900792	0.2	11.8	20	
Cyclohexane	A	10.0	10.6	4.271907	4.508139	0.1	5.5	20	
Dibromochloromethane	A	10.0	12.0	0.663911	0.7956576	0.1	19.8	20	
Dibromomethane	A	10.0	11.0	0.4505856	0.4968188		10.3	20	
Dichlorodifluoromethane	A	10.0	3.82	2.200768	0.7729329	0.1	-61.8	20 *	
Ethyl Benzene	A	10.0	11.4	6.438806	7.307819	0.1	13.5	20	
Hexachlorobutadiene	A	10.0	9.95	0.1648208	0.164002		-0.5	20	
Isopropylbenzene	A	10.0	9.78	4.446921	4.350052	0.1	-2.2	20	
Methyl acetate	A	10.0	10.0	0.7720489	0.6399281	0.1	0.0	20	
Methyl tert-butyl ether (MTBE)	A	10.0	9.65	3.456035	3.334424	0.1	-3.5	20	
Methylcyclohexane	A	10.0	11.0	2.662191	2.927983	0.1	10.0	20	
Methylene chloride	L	10.0	7.54	14.17398	2.475996	0.1	-24.6	20 *	
Naphthalene	A	10.0	11.2	0.5638147	0.6286396		11.5	20	
n-Butylbenzene	A	10.0	8.72	3.210376	2.800008		-12.8	20	
n-Propylbenzene	A	10.0	9.46	5.441742	5.147263		-5.4	20	
o-Xylene	A	10.0	11.4	4.531574	5.174399	0.3	14.2	20	
p- & m- Xylenes	A	20.0	22.0	4.849052	5.346641	0.1	10.3	20	
p-Ethyltoluene	A	10.0	9.46	4.251483	4.020437		-5.4	20	
p-Isopropyltoluene	A	10.0	9.69	3.08194	2.986925		-3.1	20	
sec-Butylbenzene	A	10.0	9.62	3.868527	3.719613		-3.8	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	VOA No. 10	Calibration:	SH50039
Lab File ID:	V10C14650.D	Calibration Date:	08/09/25 07:00
Sequence:	S5H2613	Injection Date:	08/26/25
Lab Sample ID:	S5H2613-CCV1	Injection Time:	01:24

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Styrene	A	10.0	12.0	3.311055	3.970677	0.3	19.9	20	
tert-Butyl alcohol (TBA)	A	50.0	53.7	6.896131E-02	6.062923E-02		7.5	20	
tert-Butylbenzene	A	10.0	9.85	2.648954	2.609998		-1.5	20	
Tetrachloroethylene	A	10.0	18.2	1.31932	2.395409	0.2	81.6	20 *	
Toluene	A	10.0	11.2	5.865359	6.569776	0.4	12.0	20	
trans-1,2-Dichloroethylene	A	10.0	9.50	3.222773	3.062453	0.1	-5.0	20	
trans-1,3-Dichloropropylene	A	10.0	10.8	1.275164	1.381244	0.1	8.3	20	
Trichloroethylene	A	10.0	11.7	1.328998	1.555317	0.2	17.0	20	
Trichlorofluoromethane	A	10.0	8.25	2.967753	2.44787	0.1	-17.5	20	
Vinyl Chloride	A	10.0	7.38	2.644684	1.952057	0.1	-26.2	20 *	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260D

assoc samples 1,2

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	MS VOA 2	Calibration:	SH50043
Lab File ID:	V2-637377.D	Calibration Date:	08/12/25 06:00
Sequence:	S5H2620	Injection Date:	08/26/25
Lab Sample ID:	S5H2620-CCV1	Injection Time:	07:32

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
1,1,1,2-Tetrachloroethane	A	50.0	50.6	0.2256465	0.2281099		1.1	20	
1,1,1-Trichloroethane	A	50.0	48.3	1.567922	1.514132	0.1	-3.4	20	
1,1,2,2-Tetrachloroethane	A	50.0	51.8	0.5528865	0.5723204	0.3	3.5	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	50.0	44.1	0.7796237	0.6878279	0.1	-11.8	20	
1,1,2-Trichloroethane	A	50.0	50.4	0.2093322	0.2112024	0.1	0.9	20	
1,1-Dichloroethane	A	50.0	20.6	1.513261	0.8986123	0.2	-58.8	20	*
1,1-Dichloroethylene	A	50.0	46.2	0.7640093	0.70603	0.1	-7.6	20	
1,2,3-Trichlorobenzene	A	50.0	48.2	0.6070333	0.6378816		-3.6	20	
1,2,3-Trichloropropane	A	50.0	50.1	0.1856633	0.1861868		0.3	20	
1,2,4-Trichlorobenzene	A	50.0	50.2	0.6055662	0.6759048	0.2	0.3	20	
1,2,4-Trimethylbenzene	A	50.0	50.5	1.623489	1.820283		1.0	20	
1,2-Dibromo-3-chloropropane	A	50.0	42.8	9.656675E-02	8.525947E-02	0.05	-14.5	20	
1,2-Dibromoethane	A	50.0	49.8	0.1884029	0.1877606	0.1	-0.3	20	
1,2-Dichlorobenzene	A	50.0	51.2	1.01457	1.038641	0.4	2.4	20	
1,2-Dichloroethane	A	50.0	49.6	1.279323	1.269464	0.1	-0.8	20	
1,2-Dichloropropane	A	50.0	49.3	0.2195767	0.2165982	0.1	-1.4	20	
1,3,5-Trimethylbenzene	A	50.0	50.4	1.891974	2.182876		0.9	20	
1,3-Dichlorobenzene	A	50.0	54.6	1.000692	1.09301	0.6	9.2	20	
1,4-Dichlorobenzene	A	50.0	55.9	0.943841	1.055778	0.5	11.9	20	
2-Butanone	A	50.0	40.3	0.6465022	0.6321586	0.1	-19.4	20	
2-Hexanone	A	50.0	42.6	0.1333758	0.1346121	0.1	-14.9	20	
4-Methyl-2-pentanone	A	50.0	39.7	0.1857059	0.1833209	0.1	-20.6	20	*
Acetone	A	50.0	61.4	0.1671072	0.1736856	0.1	22.8	20	*
Acrolein	A	200	157	7.714817E-02	6.071972E-02		-21.3	20	*
Acrylonitrile	A	250	191	0.3118334	0.2387722		-23.4	20	*
Benzene	A	50.0	49.0	3.904333	3.822773	0.5	-2.1	20	
Bromochloromethane	A	50.0	51.6	0.6817816	0.7031095		3.1	20	
Bromodichloromethane	A	50.0	49.9	0.2962272	0.2958273	0.2	-0.1	20	
Bromoform	A	50.0	51.5	0.1453451	0.1497356	0.1	3.0	20	

sample 2 qual J+:CV+ for acetone

samples 1 and 2 qual UJ:CV- for 1,1-Dichloroethane,4-Methyl-2-pentanone, Acrolein, Acrylonitrile

3456

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	MS VOA 2	Calibration:	SH50043
Lab File ID:	V2-637377.D	Calibration Date:	08/12/25 06:00
Sequence:	S5H2620	Injection Date:	08/26/25
Lab Sample ID:	S5H2620-CCV1	Injection Time:	07:32

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Bromomethane	A	50.0	43.8	0.3901117	0.2952014	0.1	-12.3	20	
Carbon disulfide	A	50.0	46.0	1.680327	1.546831	0.1	-7.9	20	
Carbon tetrachloride	A	50.0	48.7	1.374423	1.337694	0.1	-2.7	20	
Chlorobenzene	A	50.0	49.8	0.6779016	0.6750642	0.5	-0.4	20	
Chloroethane	A	50.0	48.0	0.2678192	0.2570027	0.1	-4.0	20	
Chloroform	A	50.0	48.8	1.736257	1.693253	0.2	-2.5	20	
Chloromethane	A	50.0	41.5	0.8985499	0.7459126	0.1	-17.0	20	
cis-1,2-Dichloroethylene	A	50.0	49.4	1.096818	1.082475	0.1	-1.3	20	
cis-1,3-Dichloropropylene	A	50.0	50.7	0.3238379	0.3519689	0.2	1.4	20	
Cyclohexane	A	50.0	43.8	1.468097	1.504823	0.1	-12.4	20	
Dibromochloromethane	A	50.0	50.9	0.2199854	0.2239925	0.1	1.8	20	
Dibromomethane	A	50.0	48.8	0.1373249	0.1339165		-2.5	20	
Dichlorodifluoromethane	A	50.0	35.8	1.110148	0.7287261	0.1	-28.5	20	*
Ethyl Benzene	A	50.0	50.6	1.043786	1.05647	0.1	1.2	20	
Hexachlorobutadiene	A	50.0	49.4	0.4287039	0.4207025		-1.1	20	
Isopropylbenzene	A	50.0	50.5	1.623489	1.820283	0.1	1.0	20	
Methyl acetate	A	50.0	47.3	0.340581	0.2975536	0.1	-5.4	20	
Methyl tert-butyl ether (MTBE)	A	50.0	45.9	1.658823	1.523435	0.1	-8.2	20	
Methylcyclohexane	A	50.0	49.2	0.4469478	0.4370161	0.1	-1.6	20	
Methylene chloride	A	50.0	50.4	0.5369086	0.4637352	0.1	0.8	20	
n-Butylbenzene	A	50.0	56.7	2.470415	2.803394		13.5	20	
n-Propylbenzene	A	50.0	48.1	0.8362526	0.9324713		-3.8	20	
o-Xylene	A	50.0	48.7	0.6177851	0.6963253	0.3	-2.6	20	
p- & m- Xylenes	A	100	107	0.7490647	0.8029495	0.1	7.2	20	
p-Isopropyltoluene	A	50.0	50.1	1.684185	1.912907		0.3	20	
sec-Butylbenzene	A	50.0	53.4	2.284353	2.440744		6.8	20	
Styrene	A	50.0	54.2	2.564078E-02	2.839999E-02	0.3	8.4	20	
tert-Butyl alcohol (TBA)	A	250	202	6.431418E-02	5.203517E-02		-19.1	20	
tert-Butylbenzene	A	50.0	50.4	1.491759	1.710133		0.9	20	

samples 1 and 2 qual UJ:CV- for Dichlorodifluoromethane

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Instrument ID:	MS VOA 2	Calibration:	SH50043
Lab File ID:	V2-637377.D	Calibration Date:	08/12/25 06:00
Sequence:	S5H2620	Injection Date:	08/26/25
Lab Sample ID:	S5H2620-CCV1	Injection Time:	07:32

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	Q
Tetrachloroethylene	A	50.0	42.1	0.3425387	0.2956502	0.2	-15.9	20	
Toluene	A	50.0	49.2	1.015032	0.9991028	0.4	-1.6	20	
trans-1,2-Dichloroethylene	A	50.0	46.2	0.7640093	0.70603	0.1	-7.6	20	
trans-1,3-Dichloropropylene	A	50.0	49.5	0.3238379	0.3519689	0.1	-1.1	20	
trans-1,4-dichloro-2-butene	A	50.0	47.1	0.1842464	0.2097572		-5.7	20	
Trichloroethylene	A	50.0	48.1	0.273217	0.2627965	0.2	-3.8	20	
Trichlorofluoromethane	A	50.0	46.5	1.437968	1.258339	0.1	-7.0	20	
Vinyl Chloride	A	50.0	43.4	0.7034683	0.610415	0.1	-13.2	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

BENCHSHEETS

SDG: 25H1735

CLASS: VOA

METHOD: EPA 8260D

PREPARATION BENCH SHEET : BH51799

Preparation Date: 08/23/2025 07:52

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	Final	Basic	Decanted If applicable Y/N	Comments
25H1535-03 B	VOA, 8260 MASTER	13.95	5										
25H1535-04 B	VOA, 8260 MASTER	5.54	5										
25H1535-09 B	VOA, 8260 MASTER	5.56	5										
25H1535-10 B	VOA, 8260 MASTER	4.86	5										
BH51799-BLK1	VOA, 8260 MASTER	5	5										
BH51799-BS1	VOA, 8260 MASTER	5	5	S25G542	5								
BH51799-BSD1	VOA, 8260 MASTER	5	5	S25G542	5								
BH51799-MS1	VOA, 8260 MASTER	4.98	5	S25G542	5			25H1535-09					
BH51799-MSD1	VOA, 8260 MASTER	4.94	5	S25G542	5			25H1535-09					

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25G542	VOA - ICV/LCS/MS Static SOILS @ 50 ppb w/ suffolk	-	5

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S22K214	Volatiles Surrogate Static Mix @ 50ppb	-	1

Preparations Performed by Francis T Russel **Date:** **11/11/2022 08:23**

BENCHSHEETS

SDG: 25H1735

CLASS: VOA

METHOD: EPA 8260D

PREPARATION BENCH SHEET : BH51827

Preparation Date: 08/24/2025 07:00

ALS Environmental - Stratford

Matrix: Water

Samples And QC:

Lab Number	Analysis	mL Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1535-11 A	VOA, 8260 LOW MASTER	25	25							<2	ND		
BH51827-BLK1	VOA, 8260 LOW MASTER	25	25							<2	ND		
BH51827-BS1	VOA, 8260 LOW MASTER	25	25	S25G541	10					<2	ND		
BH51827-BSD1	VOA, 8260 LOW MASTER	25	25	S25G541	10					<2	ND		

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25G541	VOA - ICV/LCS/MS Static WATERS @ 10 ppb w/ suffolk	-	10

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S22K215	Volatiles Surrogate Static Mix @ 10ppb	-	1

Preparations Performed by Francis T Russel **Date:** **11/11/2022 08:27**

BENCHSHEETS

SDG: 25H1735

CLASS: VOA

METHOD: EPA 8260D

PREPARATION BENCH SHEET : BH51891

Preparation Date: 08/25/2025 07:23

ALS Environmental - Stratford

Matrix: Water

Samples And QC:

Lab Number	Analysis	mL Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1535-12 A	VOA, 8260 LOW MASTER	25	25							<2	ND		
BH51891-BLK1	VOA, 8260 LOW MASTER	25	25							<2	ND		
BH51891-BS1	VOA, 8260 LOW MASTER	25	25	S25G541	10					<2	ND		
BH51891-BSD1	VOA, 8260 LOW MASTER	25	25	S25G541	10					<2	ND		

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25G541	VOA - ICV/LCS/MS Static WATERS @ 10 ppb w/ suffolk	-	10

Surrogate

Standard/Reagent ID	Description	LotNum	Volume (uL)
S22K215	Volatiles Surrogate Static Mix @ 10ppb	-	1

Preparations Performed by Francis T Russel **Date:** **11/11/2022 08:27**

METHOD DETECTION AND REPORTING LIMITS

EPA 7473

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: Soil **Instrument:** DMA 80-01

Analyte	LOD	LOQ	Units
Mercury	0.00844	0.0300	mg/kg

Sample Information

Client Sample ID: **HVAC SW North 1-3** **Sample ID:** **25H1535-05**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Metals Total

Sample Prepared by Method: EPA 7473 soil

Results Reported to RL

% Solids: 89.62

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0335	0.0335	1	EPA 7473	08/22/2025 11:45	08/22/2025 15:14	JWT

Sample Information

Client Sample ID: **HVAC SW South 1-3** **Sample ID:** **25H1535-06**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

Metals Total

Sample Prepared by Method: EPA 7473 soil

Results Reported to RL

% Solids: 92.50

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0324	0.0324	1	EPA 7473	08/22/2025 11:45	08/22/2025 15:14	JWT

Sample Information

Client Sample ID: **HVAC SW East 1-3** **Sample ID:** **25H1535-07**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Metals Total

Sample Prepared by Method: EPA 7473 soil

Results Reported to RL

% Solids: 91.72

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0327	0.0327	1	EPA 7473	08/22/2025 11:45	08/22/2025 15:14	JWT

Sample Information

Client Sample ID: **HVAC SW West 1-3** **Sample ID:** **25H1535-08**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

Metals Total

Sample Prepared by Method: EPA 7473 soil

Results Reported to RL

% Solids: 89.43

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0335	0.0335	1	EPA 7473	08/22/2025 11:45	08/22/2025 15:14	JWT

Sample Information

Client Sample ID: **HVAC Bottom 3 ft** **Sample ID:** **25H1535-09**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Metals Total

Sample Prepared by Method: EPA 7473 soil

Results Reported to RL

% Solids: 91.50

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0328	0.0328	1	EPA 7473	08/25/2025 08:11	08/25/2025 15:21	DBT

Sample Information

Client Sample ID: **HVAC DUP** **Sample ID:** **25H1535-10**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Metals Total

Sample Prepared by Method: EPA 7473 soil

Results Reported to RL

% Solids: 88.88

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0338	0.0338	1	EPA 7473	08/25/2025 08:11	08/25/2025 15:21	DBT

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 7473

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51843	Laboratory ID:	BH51843-MS1
Preparation:	EPA 7473 soil	Initial/Final:	0.2 g / 0.2 g

Source Sample Name: 25H1535-09

COMPOUND	SPIKE ADDED (mg/kg)	SAMPLE CONCENTRATION (mg/kg)	MS CONCENTRATION (mg/kg)	MS % REC. #	QC LIMITS REC.	Q
Mercury	1.00	0.0131	1.13	111	75 - 125	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

DUPLICATES

EPA 7473

HVAC Bottom 3 ft

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Matrix: Soil
Batch: BH51843
Preparation: EPA 7473 soil
Source Sample Name: HVAC Bottom 3 ft

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Laboratory ID: BH51843-DUP1
Lab Source ID: 25H1535-09
Initial/Final: 0.2 g / 0.2 g
% Solids: 91.50

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/kg dry)	C	DUPLICATE CONCENTRATION (mg/kg dry)	C	RPD %	Q	METHOD
Mercury	35	ND		ND				EPA 7473

* Values outside of QC limits

page added from Rev 1

STANDARD REFERENCE MATERIAL RECOVERY

EPA 7473

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Matrix: Soil
Batch: BH51770
Laboratory ID: BH51770-SRM1
Preparation: EPA 7473 soil
Initial/Final: 0.2 g / 0.2 g

ANALYTE	TRUE (mg/kg)	FOUND (mg/kg)	SRM % REC.	QC LIMITS REC.
Mercury	24.0	20.334	84.7	55.8 - 109.6

* - Values outside of QC Limits

page added from Rev 1

STANDARD REFERENCE MATERIAL RECOVERY

EPA 7473

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Matrix: Soil
Batch: BH51843
Laboratory ID: BH51843-SRM1
Preparation: EPA 7473 soil
Initial/Final: 0.2 g / 0.2 g

ANALYTE	TRUE (mg/kg)	FOUND (mg/kg)	SRM % REC.	QC LIMITS REC.
Mercury	24.0	15.898	66.2	55.8 - 109.6

* - Values outside of QC Limits

FORM IV **PREPARATION BATCH SUMMARY**

EPA 7473

Laboratory: ALS Environmental - Stratford SDG: 25H1535

Client: Terracon Consultants, Inc. Project: HPN HVAC J4257006, 10.2

Batch: BH51770 Batch Matrix: Soil Preparation: EPA 7473 soil

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC SW North 1-3	25H1535-05	Hg-DMA80-01 082025A	08/22/25 11:45	
HVAC SW South 1-3	25H1535-06	Hg-DMA80-01 082025A	08/22/25 11:45	
HVAC SW East 1-3	25H1535-07	Hg-DMA80-01 082025A	08/22/25 11:45	
HVAC SW West 1-3	25H1535-08	Hg-DMA80-01 082025A	08/22/25 11:45	
Blank	BH51770-BLK1	Hg-DMA80-01 082025A	08/22/25 11:45	
Reference	BH51770-SRM1	Hg-DMA80-01 082025A	08/22/25 11:45	

FORM IV **PREPARATION BATCH SUMMARY**

EPA 7473

Laboratory: ALS Environmental - Stratford SDG: 25H1535

Client: Terracon Consultants, Inc. Project: HPN HVAC J4257006, 10.2

Batch: BH51843 Batch Matrix: Soil Preparation: EPA 7473 soil

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC Bottom 3 ft	25H1535-09	QBHG DMA 08252025A	08/25/25 08:11	
HVAC DUP	25H1535-10	QBHG DMA 08252025A	08/25/25 08:11	
Blank	BH51843-BLK1	QBHG DMA 08252025A	08/25/25 08:11	
HVAC Bottom 3 ft	BH51843-DUP1	QBHG DMA 08252025A	08/25/25 08:11	
HVAC Bottom 3 ft	BH51843-MS1	QBHG DMA 08252025A	08/25/25 08:11	
Reference	BH51843-SRM1	QBHG DMA 08252025A	08/25/25 08:11	

page added from Rev 1

FORM V ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 7473

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Sequence: S5H2018
Instrument: DMA 80-01
Calibration: UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
High Cal Check	S5H2018-HCV1	QBHg-DMA80-01 082025A_soil	08/20/25 14:52
Low Cal Check	S5H2018-LCV1	QBHg-DMA80-01 082025A_soil	08/20/25 14:52
Calibration Check	S5H2018-CCV1	QBHg-DMA80-01 082025A_soil	08/20/25 14:52
Calibration Blank	S5H2018-CCB1	QBHg-DMA80-01 082025A_soil	08/20/25 14:52
Calibration Check	S5H2018-CCV2	QBHg-DMA80-01 082025A_soil	08/20/25 14:52
Calibration Blank	S5H2018-CCB2	QBHg-DMA80-01 082025A_soil	08/20/25 14:52
Calibration Check	S5H2018-CCV3	QBHg-DMA80-01 082025A_soil	08/22/25 12:38
Calibration Blank	S5H2018-CCB3	QBHg-DMA80-01 082025A_soil	08/22/25 12:38
Calibration Check	S5H2018-CCV4	QBHg-DMA80-01 082025A_soil	08/22/25 12:38
Calibration Blank	S5H2018-CCB4	QBHg-DMA80-01 082025A_soil	08/22/25 12:38
Blank	BH51770-BLK1	QBHg-DMA80-01 082025A_soil	08/22/25 15:14
Reference	BH51770-SRM1	QBHg-DMA80-01 082025A_soil	08/22/25 15:14
HVAC SW North 1-3	25H1535-05	QBHg-DMA80-01 082025A_soil	08/22/25 15:14
HVAC SW South 1-3	25H1535-06	QBHg-DMA80-01 082025A_soil	08/22/25 15:14
HVAC SW East 1-3	25H1535-07	QBHg-DMA80-01 082025A_soil	08/22/25 15:14
HVAC SW West 1-3	25H1535-08	QBHg-DMA80-01 082025A_soil	08/22/25 15:14
Calibration Check	S5H2018-CCV5	QBHg-DMA80-01 082025A_soil	08/22/25 15:14
Calibration Blank	S5H2018-CCB5	QBHg-DMA80-01 082025A_soil	08/22/25 15:14
Blank	BH51843-BLK1	QBHG DMA 08252025A	08/25/25 15:21
Reference	BH51843-SRM1	QBHG DMA 08252025A	08/25/25 15:21
HVAC Bottom 3 ft	25H1535-09	QBHG DMA 08252025A	08/25/25 15:21
HVAC Bottom 3 ft	BH51843-DUP1	QBHG DMA 08252025A	08/25/25 15:21
HVAC Bottom 3 ft	BH51843-MS1	QBHG DMA 08252025A	08/25/25 15:21
HVAC DUP	25H1535-10	QBHG DMA 08252025A	08/25/25 15:21
Calibration Check	S5H2018-CCV6	QBHG DMA 08252025A	08/25/25 15:21
Calibration Blank	S5H2018-CCB6	QBHG DMA 08252025A	08/25/25 15:21
Calibration Check	S5H2018-CCV7	QBHG DMA 08252025A	08/25/25 15:21
Calibration Blank	S5H2018-CCB7	QBHG DMA 08252025A	08/25/25 15:21

page added from Rev 1

CONTINUING CALIBRATION CHECK

EPA 7473

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Instrument ID: DMA 80-01
Calibration: 08/20/25
Control Limt: +/- 20.00%
Sequence: S5H2018

Lab Sample ID	Analyte	True	Found	%R	Units	Method
S5H2018-CCV1	Mercury	1.00	1.0709	107	mg/kg	EPA 7473
S5H2018-CCV2	Mercury	1.00	1.0535	105	mg/kg	EPA 7473
S5H2018-CCV3	Mercury	1.00	1.0662	107	mg/kg	EPA 7473
S5H2018-CCV4	Mercury	1.00	0.98040	98.0	mg/kg	EPA 7473
S5H2018-CCV5	Mercury	1.00	1.0932	109	mg/kg	EPA 7473
S5H2018-CCV6	Mercury	1.00	1.0543	105	mg/kg	EPA 7473
S5H2018-CCV7	Mercury	1.00	0.95090	95.1	mg/kg	EPA 7473

* Values outside of QC limits

FORM I

METHOD BLANK DATA SHEET

EPA 7473

CLEAN BLANK

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	BH51770-BLK1	File ID:	QBHg-DMA80-01 082025A_soil
Prepared:	08/22/25 11:45	Preparation:	EPA 7473 soil	Initial/Final:	0.2 g / 0.2 g
Analyzed:	08/22/25 15:14	Instrument:	DMA 80-01		
Batch:	BH51770	Sequence:	S5H2018	Calibration:	UNASSIGNED

CAS NO.	COMPOUND	CONC. (mg/kg wet)	Q
7439-97-6	Mercury	0.0300	U



FORM I

METHOD BLANK DATA SHEET

CLEAN BLANK

EPA 7473

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	BH51843-BLK1	File ID:	QBHG DMA 08252025A
Prepared:	08/25/25 08:11	Preparation:	EPA 7473 soil	Initial/Final:	0.2 g / 0.2 g
Analyzed:	08/25/25 15:21	Instrument:	DMA 80-01		
Batch:	BH51843	Sequence:	S5H2018	Calibration:	UNASSIGNED

CAS NO.	COMPOUND	CONC. (mg/kg wet)	Q
7439-97-6	Mercury	0.0300	U

FORM I

BLANKS

EPA 7473

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Instrument ID: DMA 80-01
Project: HPN HVAC J4257006, 10.2
Sequence: S5H2018
Calibration: 08/20/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S5H2018-CCB1	Mercury	0.00190	0.0300	mg/kg		EPA 7473
S5H2018-CCB2	Mercury	0.00430	0.0300	mg/kg		EPA 7473
S5H2018-CCB3	Mercury	0.00630	0.0300	mg/kg		EPA 7473
S5H2018-CCB4	Mercury	0.00890	0.0300	mg/kg		EPA 7473
BH51770-BLK1	Mercury	0.00460	0.0300	mg/kg wet		EPA 7473
S5H2018-CCB5	Mercury	0.00310	0.0300	mg/kg		EPA 7473
BH51843-BLK1	Mercury	0.000800	0.0300	mg/kg wet		EPA 7473
S5H2018-CCB6	Mercury	0.00490	0.0300	mg/kg		EPA 7473
S5H2018-CCB7	Mercury	0.00470	0.0300	mg/kg		EPA 7473



BENCHSHEETS

SDG: 25H1735

CLASS: HG

METHOD: EPA 7473

PREPARATION BENCH SHEET : BH51770

Preparation Date: 08/22/2025 11:45

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	g Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1535-05 A	Mercury by 7473	0.2	0.2										
25H1535-06 A	Mercury by 7473	0.2	0.2										
25H1535-07 A	Mercury by 7473	0.2	0.2										
25H1535-08 A	Mercury by 7473	0.2	0.2										
BH51770-BLK1	Mercury by 7473	0.2	0.2										
BH51770-SRM1	Mercury by 7473	0.2	0.2	S25A060	0.01								

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25A060	Soil SRM - DMA	D125-540	0.01

Preparations Performed by Andrew J. Lioio **Date:** **01/08/2025 09:15**

PREPARATION BENCH SHEET-SOILS/SOLIDS: BH51770

Preparation Date: 08/22/2025 11:45

York Analytical Laboratories, Inc. **Printed: 8/22/2025 3:20:08PM**

Matrix: Soil **Preparation: EPA 7473 soil** **(No Surrogate)** **ul**

Lab Number	Analysis	Initial (g)	Final (g)	Spike ID	Source ID	ul Spike	Comments
25H1471-01 E	Mercury by 7473	0.2	0.2				
25H1471-02 E	Mercury by 7473	0.2	0.2				
25H1471-03 E	Mercury by 7473	0.2	0.2				
25H1517-02 A	Mercury by 7473	0.2	0.2				
25H1521-01 A	Mercury by 7473	0.2	0.2				
25H1532-01 F	Mercury by 7473	0.2	0.2				
25H1535-05 A	Mercury by 7473	0.2	0.2				
25H1535-06 A	Mercury by 7473	0.2	0.2				
25H1535-07 A	Mercury by 7473	0.2	0.2				
25H1535-08 A	Mercury by 7473	0.2	0.2				
BH51770-BLK1	QC	0.2	0.2				
BH51770-DUP1	QC	0.2	0.2		25H1471-01		
BH51770-MS1	QC	0.2	0.2	S25A330	25H1471-01	1	
BH51770-SRM1	QC	0.2	0.2	S25A060		0.01	

Reagents:

ID Number	Description	Lot Number	ID Number	Description	Lot Number

Preparations Performed by JWT **Date:** 08/22/2025 11:45

PREPARATION BENCH SHEET : BH51843

Preparation Date: 08/25/2025 08:11

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	g Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	PH Data If applicable Final	PH Data If applicable Basic	Decanted If applicable Y/N	Comments
25H1535-09 E	Mercury by 7473	0.2	0.2										
25H1535-10 E	Mercury by 7473	0.2	0.2										
BH51843-BLK1	Mercury by 7473	0.2	0.2										
BH51843-DUP1	Mercury by 7473	0.2	0.2					25H1535-09					
BH51843-MS1	Mercury by 7473	0.2	0.2	S25A330	1			25H1535-09					
BH51843-SRM1	Mercury by 7473	0.2	0.2	S25A060	0.01								

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25A060	Soil SRM - DMA	D125-540	0.01
S25A330	HG DMA Cal 3 Soln - 1000ug/L	03162020	1

Preparations Performed by Dimpal R. Soni **Date:** **01/23/2025 14:10**

PREPARATION BENCH SHEET-SOILS/SOLIDS: BH51843

Preparation Date: 08/25/2025 08:11

York Analytical Laboratories, Inc.

Printed: 8/25/2025 3:43:38PM

Matrix: Soil **Preparation: EPA 7473 soil** **(No Surrogate)** **ul**

Lab Number	Analysis	Initial (g)	Final (g)	Spike ID	Source ID	ul Spike	Comments
25H1475-01 A	Mercury by 7473	0.2	0.2				
25H1475-03 A	Mercury by 7473	0.2	0.2				
25H1475-05 A	Mercury by 7473	0.2	0.2				
25H1475-07 A	Mercury by 7473	0.2	0.2				
25H1475-09 A	Mercury by 7473	0.2	0.2				
25H1530-01 A	Mercury by 7473	0.2	0.2				
25H1535-09 E	Mercury by 7473	0.2	0.2				
25H1535-10 E	Mercury by 7473	0.2	0.2				
25H1536-01 E	Mercury by 7473	0.2	0.2				
25H1537-01 E	Mercury by 7473	0.2	0.2				
25H1537-02 E	Mercury by 7473	0.2	0.2				
25H1537-03 E	Mercury by 7473	0.2	0.2				
25H1537-04 E	Mercury by 7473	0.2	0.2				
25H1537-05 E	Mercury by 7473	0.2	0.2				
25H1537-06 E	Mercury by 7473	0.2	0.2				
25H1537-07 E	Mercury by 7473	0.2	0.2				
25H1537-08 E	Mercury by 7473	0.2	0.2				
25H1560-02 A	Mercury by 7473	0.2	0.2				
25H1560-03 A	Mercury by 7473	0.2	0.2				
25H1587-01 E	Mercury by 7473	0.2	0.2				
BH51843-BLK1	QC	0.2	0.2				
BH51843-DUP1	QC	0.2	0.2		25H1535-09		
BH51843-MS1	QC	0.2	0.2	S25A330	25H1535-09	1	
BH51843-SRM1	QC	0.2	0.2	S25A060		0.01	

Reagents:

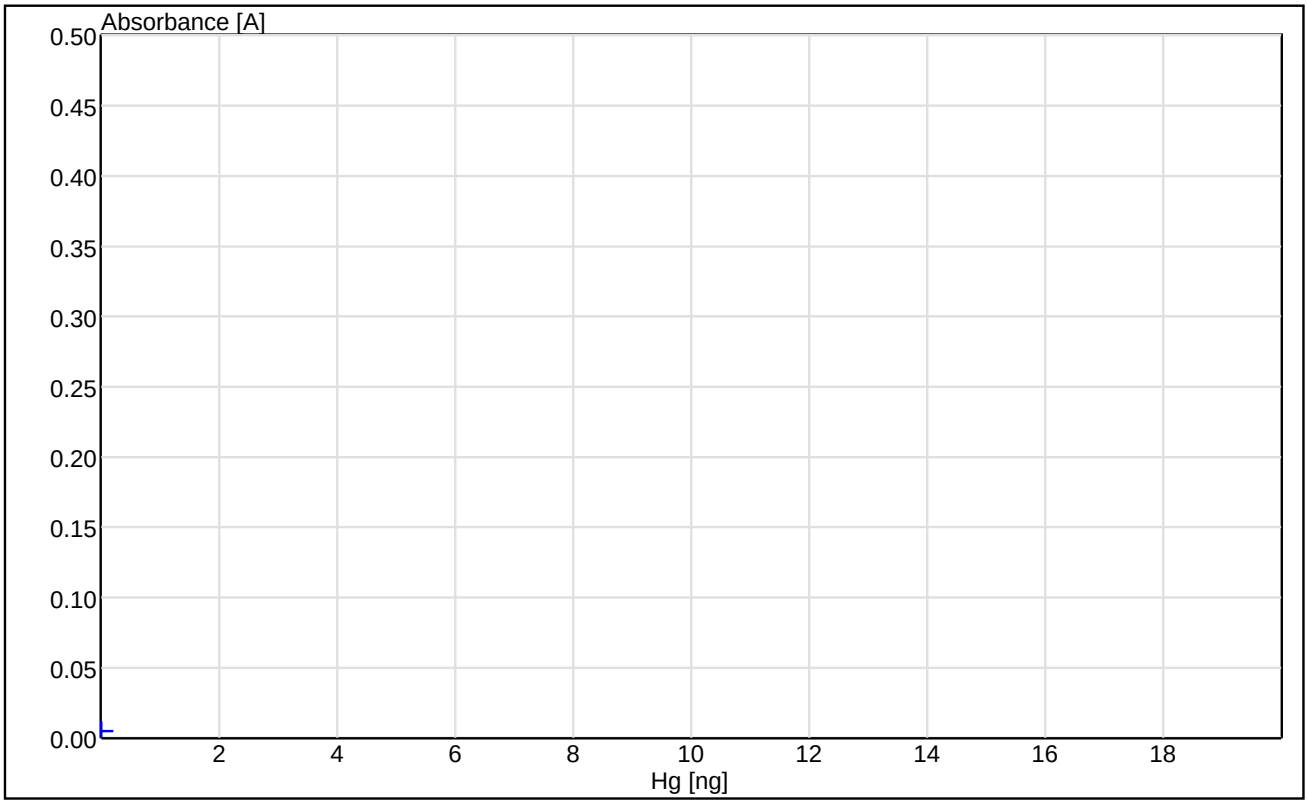
ID Number	Description	Lot Number	ID Number	Description	Lot Number

Preparations Performed by **JWT** **Date:** **08/25/2025 08:11**

Calibration data "ICALSOIL DMA80-01 050225a ICAL.c80"

Created by "Service" at
02.05.2025 15:46:34

Cell 0



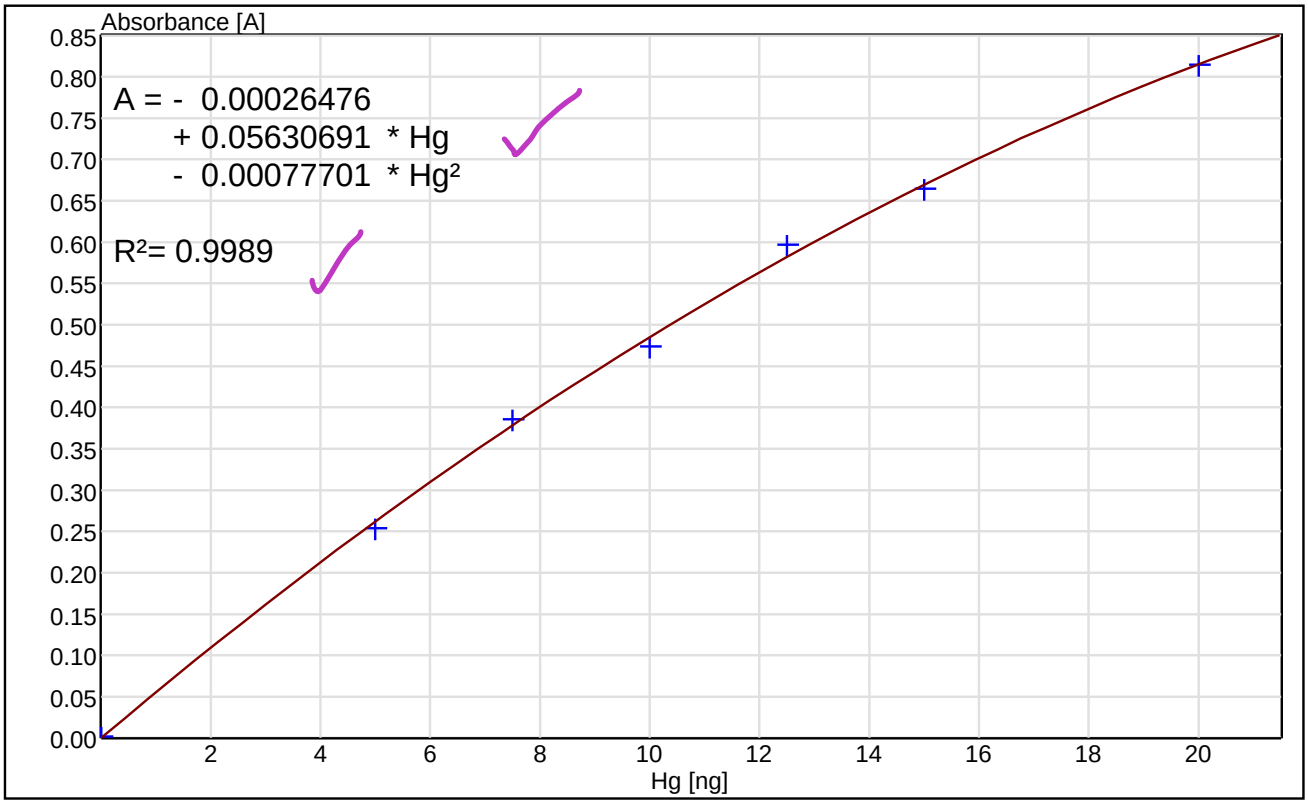
Ultra trace analysis : deactivated
BV correction : deactivated

Nr.		Hg [ng]	Height ^	Error d-A [%]	Date	Remarks
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2		5.0000	0.6099	0.6049	02.05.2025 13:36:12	
3		7.5000	0.8699	0.8650	02.05.2025 13:43:44	
4		10.0000	0.9610	0.9561	02.05.2025 13:51:16	
5		12.5000	1.1694	1.1645	02.05.2025 13:58:48	
6		15.0000	1.2203	1.2154	02.05.2025 14:06:20	
7		20.0000	1.4330	1.4280	02.05.2025 14:13:52	

Calibration data "ICALSOIL DMA80-01 050225a ICAL.c80"

Created by "Service" at
02.05.2025 15:46:34

Cell 1



BV correction : deactivated

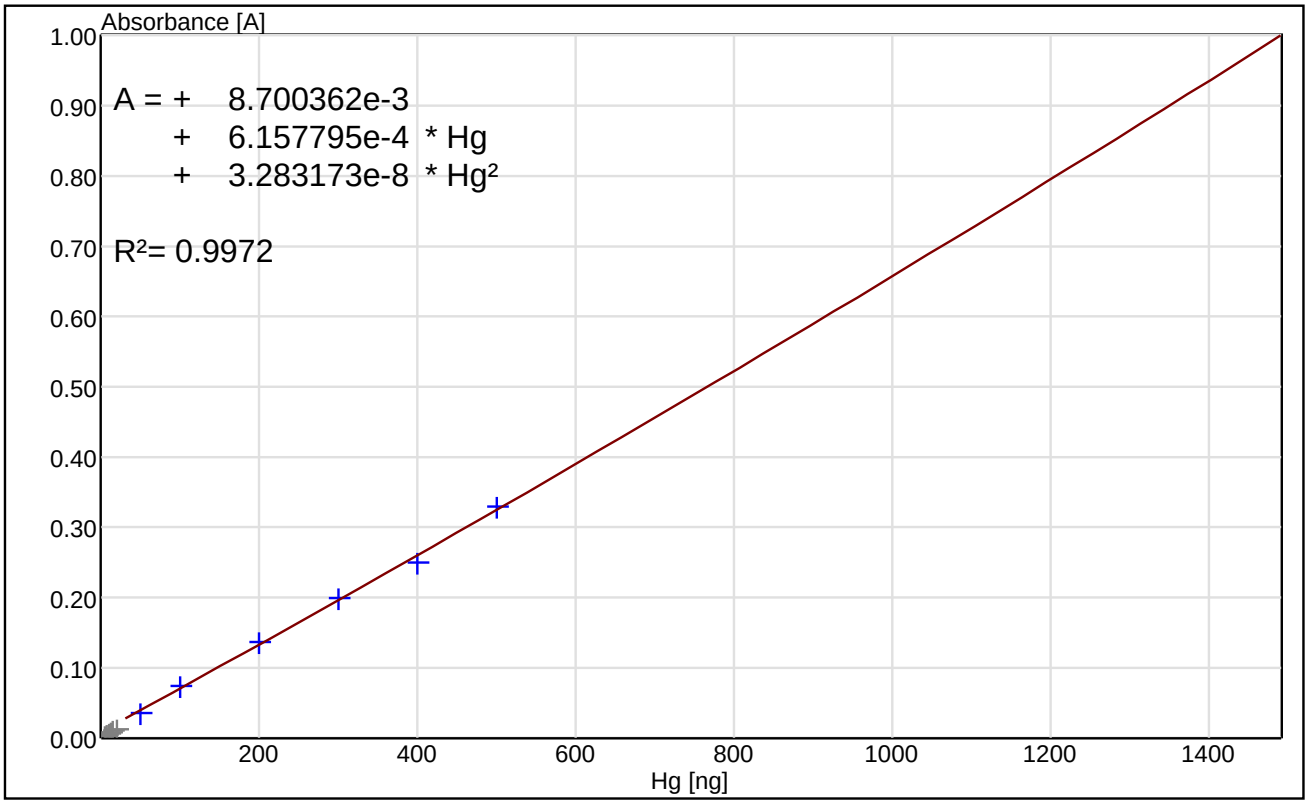
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3	OK	7.5000	0.3860	0.0077	02.05.2025 13:43:44	
4	OK	10.0000	0.4738	-0.0113	02.05.2025 13:51:16	
5	OK	12.5000	0.5966	0.0144	02.05.2025 13:58:48	
6	OK	15.0000	0.6646	-0.0049	02.05.2025 14:06:20	
7	OK	20.0000	0.8144	-0.0007	02.05.2025 14:13:52	

for low level results

Calibration data "ICALSOIL DMA80-01 050225a ICAL.c80"

Created by "Service" at
02.05.2025 15:46:34

Cell 2



BV correction : deactivated

Nr.		Hg [ng]	Height ^	Error d-A [%]	Date	Remarks
1		5.0000	0.0033	-0.0085	02.05.2025 13:36:12	
2		7.5000	0.0048	-0.0085	02.05.2025 13:43:44	
3		10.0000	0.0066	-0.0083	02.05.2025 13:51:16	
4		12.5000	0.0085	-0.0079	02.05.2025 13:58:48	
5		15.0000	0.0105	-0.0074	02.05.2025 14:06:20	
6		20.0000	0.0125	-0.0085	02.05.2025 14:13:52	
7	OK	50.0000	0.0355	-0.0041	02.05.2025 14:21:24	
8	OK	100.0000	0.0739	0.0033	02.05.2025 14:28:56	
9	OK	200.0000	0.1363	0.0031	02.05.2025 14:36:28	
10	OK	300.0000	0.1993	0.0029	02.05.2025 14:44:00	
11	OK	400.0000	0.2502	-0.0101	02.05.2025 15:03:24	
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METHOD DETECTION AND REPORTING LIMITS

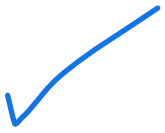
EPA 6010D

Laboratory: ALS Environmental - Stratford **SDG:** 25H1535

Client: Terracon Consultants, Inc. **Project:** HPN HVAC J4257006, 10.2

Matrix: Soil **Instrument:** ICP5900-01

Analyte	LOD	LOQ	Units
Aluminum	4.17	4.17	mg/kg
Antimony	2.08	2.08	mg/kg
Arsenic	1.25	1.25	mg/kg
Barium	2.08	2.08	mg/kg
Beryllium	0.042	0.042	mg/kg
Cadmium	0.250	0.250	mg/kg
Calcium	4.17	4.17	mg/kg
Chromium	0.417	0.417	mg/kg
Cobalt	0.333	0.333	mg/kg
Copper	1.67	1.67	mg/kg
Iron	20.8	20.8	mg/kg
Lead	0.417	0.417	mg/kg
Magnesium	4.17	4.17	mg/kg
Manganese	0.417	0.417	mg/kg
Nickel	0.830	0.830	mg/kg
Potassium	4.17	4.17	mg/kg
Selenium	2.08	2.08	mg/kg
Silver	0.420	0.420	mg/kg
Sodium	41.7	41.7	mg/kg
Thallium	1.00	1.67	mg/kg
Vanadium	0.830	0.830	mg/kg
Zinc	2.08	2.08	mg/kg



Sample Information

Client Sample ID: **HVAC SW North 1-3** **Sample ID: 25H1535-05**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:16 pm	08/21/2025

Metals Total

Sample Prepared by Method: EPA 3050B

Results Reported to RL

% Solids: 89.62

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7429-90-5	**Aluminum**	15500		mg/kg dry	4.65	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7440-36-0	Antimony	ND		mg/kg dry	2.32	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7440-38-2	**Arsenic**	3.25		mg/kg dry	1.39	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7440-39-3	**Barium**	112		mg/kg dry	2.32	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7440-41-7	Beryllium	ND		mg/kg dry	0.047	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7440-43-9	**Cadmium**	0.307		mg/kg dry	0.279	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7440-70-2	**Calcium**	4760		mg/kg dry	4.65	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7440-47-3	**Chromium**	25.0		mg/kg dry	0.465	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7440-48-4	**Cobalt**	12.3		mg/kg dry	0.372	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7440-50-8	**Copper**	37.2		mg/kg dry	1.86	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7439-89-6	**Iron**	24700		mg/kg dry	23.2	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7439-92-1	**Lead**	8.71		mg/kg dry	0.465	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7439-95-4	**Magnesium**	6450		mg/kg dry	4.65	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7439-96-5	**Manganese**	386		mg/kg dry	0.465	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7440-02-0	**Nickel**	19.0		mg/kg dry	0.926	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7440-09-7	**Potassium**	4160		mg/kg dry	4.65	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7782-49-2	Selenium	ND		mg/kg dry	2.32	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.469	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7440-23-5	**Sodium**	622		mg/kg dry	46.5	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7440-28-0	Thallium	ND		mg/kg dry	1.86	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7440-62-2	**Vanadium**	44.7		mg/kg dry	0.926	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR
7440-66-6	**Zinc**	53.8		mg/kg dry	2.32	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:08	AGNR

Sample Information

Client Sample ID: **HVAC SW South 1-3** **Sample ID: 25H1535-06**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:04 pm	08/21/2025

Metals Total

Sample Prepared by Method: EPA 3050B

Results Reported to RL

% Solids: 92.50

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7429-90-5	**Aluminum**	12000		mg/kg dry	4.50	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7440-36-0	Antimony	ND		mg/kg dry	2.25	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7440-38-2	**Arsenic**	3.02		mg/kg dry	1.35	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7440-39-3	**Barium**	89.1		mg/kg dry	2.25	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7440-41-7	Beryllium	ND		mg/kg dry	0.045	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.270	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7440-70-2	**Calcium**	17600		mg/kg dry	4.50	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7440-47-3	**Chromium**	22.5		mg/kg dry	0.451	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7440-48-4	**Cobalt**	8.99		mg/kg dry	0.360	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7440-50-8	**Copper**	36.6		mg/kg dry	1.80	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7439-89-6	**Iron**	18800		mg/kg dry	22.5	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7439-92-1	**Lead**	16.2		mg/kg dry	0.451	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7439-95-4	**Magnesium**	5790		mg/kg dry	4.51	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7439-96-5	**Manganese**	350		mg/kg dry	0.451	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7440-02-0	**Nickel**	15.6		mg/kg dry	0.897	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7440-09-7	**Potassium**	3030		mg/kg dry	4.51	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7782-49-2	Selenium	ND		mg/kg dry	2.25	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.454	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7440-23-5	**Sodium**	355		mg/kg dry	45.0	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7440-28-0	Thallium	ND		mg/kg dry	1.81	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7440-62-2	**Vanadium**	33.6		mg/kg dry	0.897	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR
7440-66-6	**Zinc**	72.7		mg/kg dry	2.24	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:11	AGNR

Sample Information

Client Sample ID: **HVAC SW East 1-3** **Sample ID: 25H1535-07**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:09 pm	08/21/2025

Metals Total

Sample Prepared by Method: EPA 3050B

Results Reported to RL

% Solids: 91.72

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7429-90-5	**Aluminum**	18300		mg/kg dry	4.54	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7440-36-0	Antimony	ND		mg/kg dry	2.27	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7440-38-2	**Arsenic**	3.77		mg/kg dry	1.36	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7440-39-3	**Barium**	132		mg/kg dry	2.27	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7440-41-7	Beryllium	ND		mg/kg dry	0.046	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.273	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7440-70-2	**Calcium**	3930		mg/kg dry	4.54	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7440-47-3	**Chromium**	27.7		mg/kg dry	0.455	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7440-48-4	**Cobalt**	13.8		mg/kg dry	0.363	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7440-50-8	**Copper**	41.7		mg/kg dry	1.82	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7439-89-6	**Iron**	29600		mg/kg dry	22.7	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7439-92-1	**Lead**	11.2		mg/kg dry	0.455	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7439-95-4	**Magnesium**	7080		mg/kg dry	4.55	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7439-96-5	**Manganese**	503		mg/kg dry	0.455	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7440-02-0	**Nickel**	21.8		mg/kg dry	0.905	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7440-09-7	**Potassium**	4890		mg/kg dry	4.55	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7782-49-2	Selenium	ND		mg/kg dry	2.27	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.458	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7440-23-5	**Sodium**	335		mg/kg dry	45.4	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7440-28-0	Thallium	ND		mg/kg dry	1.82	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7440-62-2	**Vanadium**	52.1		mg/kg dry	0.905	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR
7440-66-6	**Zinc**	59.5		mg/kg dry	2.26	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:13	AGNR

Sample Information

Client Sample ID: **HVAC SW West 1-3** **Sample ID: 25H1535-08**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 1:51 pm	08/21/2025

Metals Total

Sample Prepared by Method: EPA 3050B | Results Reported to RL | % Solids: 89.43

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7429-90-5	**Aluminum**	16500		mg/kg dry	4.66	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7440-36-0	Antimony	ND		mg/kg dry	2.33	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7440-38-2	**Arsenic**	2.71		mg/kg dry	1.40	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7440-39-3	**Barium**	120		mg/kg dry	2.33	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7440-41-7	Beryllium	ND		mg/kg dry	0.047	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.280	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7440-70-2	**Calcium**	17600		mg/kg dry	4.66	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7440-47-3	**Chromium**	26.2		mg/kg dry	0.466	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7440-48-4	**Cobalt**	12.7		mg/kg dry	0.372	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7440-50-8	**Copper**	47.7		mg/kg dry	1.86	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7439-89-6	**Iron**	27000		mg/kg dry	23.3	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7439-92-1	**Lead**	8.61		mg/kg dry	0.466	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7439-95-4	**Magnesium**	9520		mg/kg dry	4.66	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7439-96-5	**Manganese**	444		mg/kg dry	0.466	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7440-02-0	**Nickel**	19.5		mg/kg dry	0.928	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7440-09-7	**Potassium**	5240		mg/kg dry	4.66	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7782-49-2	Selenium	ND		mg/kg dry	2.33	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.470	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7440-23-5	**Sodium**	626		mg/kg dry	46.6	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7440-28-0	Thallium	ND		mg/kg dry	1.87	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7440-62-2	**Vanadium**	53.0		mg/kg dry	0.928	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR
7440-66-6	**Zinc**	64.1		mg/kg dry	2.32	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:14	AGNR

Sample Information

Client Sample ID: **HVAC Bottom 3 ft** **Sample ID: 25H1535-09**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Metals Total

Sample Prepared by Method: EPA 3050B

Results Reported to RL

% Solids: 91.50

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7429-90-5	**Aluminum**	15800		mg/kg dry	4.55	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7440-36-0	Antimony	ND		mg/kg dry	2.28	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7440-38-2	**Arsenic**	3.51		mg/kg dry	1.37	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7440-39-3	**Barium**	111		mg/kg dry	2.27	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7440-41-7	Beryllium	ND		mg/kg dry	0.046	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.273	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7440-70-2	**Calcium**	14900		mg/kg dry	4.55	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7440-47-3	**Chromium**	25.5		mg/kg dry	0.456	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7440-48-4	**Cobalt**	11.5		mg/kg dry	0.364	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7440-50-8	**Copper**	32.6		mg/kg dry	1.82	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7439-89-6	**Iron**	24400		mg/kg dry	22.8	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7439-92-1	**Lead**	8.19		mg/kg dry	0.456	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7439-95-4	**Magnesium**	7140		mg/kg dry	4.56	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7439-96-5	**Manganese**	419		mg/kg dry	0.456	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7440-02-0	**Nickel**	18.3		mg/kg dry	0.907	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7440-09-7	**Potassium**	4200		mg/kg dry	4.56	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7782-49-2	Selenium	ND		mg/kg dry	2.28	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.459	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7440-23-5	**Sodium**	489		mg/kg dry	45.5	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7440-28-0	Thallium	ND		mg/kg dry	1.83	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7440-62-2	**Vanadium**	42.8		mg/kg dry	0.907	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR
7440-66-6	**Zinc**	60.1		mg/kg dry	2.27	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:16	AGNR

Sample Information

Client Sample ID: HVAC DUP **Sample ID: 25H1535-10**

Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25H1535	HPN HVAC J4257006, 10.2	Soil	August 20, 2025 2:11 pm	08/21/2025

Metals Total

Sample Prepared by Method: EPA 3050B | Results Reported to RL | % Solids: 88.88

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7429-90-5	**Aluminum**	14800		mg/kg dry	4.69	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7440-36-0	Antimony	ND		mg/kg dry	2.34	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7440-38-2	**Arsenic**	3.30		mg/kg dry	1.41	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7440-39-3	**Barium**	107		mg/kg dry	2.34	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7440-41-7	Beryllium	ND		mg/kg dry	0.047	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.281	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7440-70-2	**Calcium**	10900		mg/kg dry	4.69	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7440-47-3	**Chromium**	25.4		mg/kg dry	0.469	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7440-48-4	**Cobalt**	11.5		mg/kg dry	0.375	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7440-50-8	**Copper**	43.0		mg/kg dry	1.88	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7439-89-6	**Iron**	23600		mg/kg dry	23.4	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7439-92-1	**Lead**	9.87		mg/kg dry	0.469	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7439-95-4	**Magnesium**	6600		mg/kg dry	4.69	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7439-96-5	**Manganese**	446		mg/kg dry	0.469	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7440-02-0	**Nickel**	18.0		mg/kg dry	0.934	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7440-09-7	**Potassium**	3770		mg/kg dry	4.69	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7782-49-2	Selenium	ND		mg/kg dry	2.34	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.473	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7440-23-5	**Sodium**	347		mg/kg dry	46.9	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7440-28-0	Thallium	ND		mg/kg dry	1.88	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7440-62-2	**Vanadium**	44.5		mg/kg dry	0.934	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR
7440-66-6	**Zinc**	55.5		mg/kg dry	2.33	1	EPA 6010D	08/26/2025 07:46	08/27/2025 12:27	AGNR

just evaluated for qualification

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 6010D

HVAC Bottom 3 ft

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil		
Batch:	BH51916	Laboratory ID:	BH51916-MS1
Preparation:	EPA 3050B	Initial/Final:	0.6 g / 50 mL

Source Sample Name: 25H1535-09

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. #	QC LIMITS REC.	Q
Aluminum	182	15800	16000	77.4	75 - 125	
Antimony	22.8	ND	9.34	41.0 *	75 - 125	
Arsenic	182	3.51	188	101	75 - 125	
Barium	182	111	301	104	75 - 125	
Beryllium	4.55	ND	4.50	98.9	75 - 125	
Cadmium	4.55	ND	4.75	104	75 - 125	
Calcium	91.1	14900 >4x	8390	-7150 *	75 - 125	
Chromium	18.2	25.5	42.6	93.9	75 - 125	
Cobalt	45.5	11.5	59.3	105	75 - 125	
Copper	22.8	32.6	56.8	106	75 - 125	
Iron	91.1	24400 >4x	25800	1550 *	75 - 125	
Lead	45.5	8.19	54.8	102	75 - 125	
Magnesium	91.1	7140 >4x	6430	-788 *	75 - 125	
Manganese	45.5	419 >4x	501	180 *	75 - 125	
Nickel	45.5	18.3	64.8	102	75 - 125	
Potassium	91.1	4200 >4x	4390	207 *	75 - 125	
Selenium	182	ND	176	96.8	75 - 125	
Silver	4.55	ND	4.82	106	75 - 125	
Sodium	91.1	489 >4x	376	-125 *	75 - 125	
Thallium	182	ND	181	99.2	75 - 125	
Vanadium	45.5	42.8	91.5	107	75 - 125	
Zinc	45.5	60.1	101	89.9	75 - 125	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

samples qual UJ:MS- for antimony

DUPLICATES

EPA 6010D

HVAC Bottom 3 ft

Laboratory: ALS Environmental - Stratford
Client: Terracon Consultants, Inc.
Matrix: Soil
Batch: BH51916
Preparation: EPA 3050B
Source Sample Name: HVAC Bottom 3 ft

only evaluated for qualification

SDG: 25H1535
Project: HPN HVAC J4257006, 10.2
Laboratory ID: BH51916-DUP1
Lab Source ID: 25H1535-09
Initial/Final: 0.6 g / 50 mL
% Solids: 91.50

RPD limit is 35% (in L2)

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/kg dry)	C	DUPLICATE CONCENTRATION (mg/kg dry)	C	RPD %	Q	METHOD
Aluminum	35	15800		12700		22.1		EPA 6010D
Antimony	35	ND		ND				EPA 6010D
Arsenic	35	3.51		2.75		24.2		EPA 6010D
Barium	35	111		84.5		27.1		EPA 6010D
Beryllium	35	ND		ND				EPA 6010D
Cadmium	35	ND		ND				EPA 6010D
Calcium	35	14900		23900		46.3	*	EPA 6010D
Chromium	35	25.5		21.6		16.2		EPA 6010D
Cobalt	35	11.5		9.71		16.8		EPA 6010D
Copper	35	32.6		26.7		19.8		EPA 6010D
Iron	35	24400		21000		15.2		EPA 6010D
Lead	35	8.19		6.73		19.5		EPA 6010D
Magnesium	35	7140		14600		68.7	*	EPA 6010D
Manganese	35	419		388		7.82		EPA 6010D
Nickel	35	18.3		15.6		16.4		EPA 6010D
Potassium	35	4200		3290		24.2		EPA 6010D
Selenium	35	ND		ND				EPA 6010D
Silver	35	ND		ND				EPA 6010D
Sodium	35	489		291		50.7	*	EPA 6010D
Thallium	35	ND		ND				EPA 6010D
Vanadium	35	42.8		36.0		17.2		EPA 6010D
Zinc	35	60.1		45.0		28.7		EPA 6010D

* Values outside of QC limits

samples qualified J:LD for calcium, magnesium, and sodium.

STANDARD REFERENCE MATERIAL RECOVERY

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Matrix: Soil
Batch: BH51916
Laboratory ID: BH51916-SRM1
Preparation: EPA 3050B
Initial/Final: 0.6 g / 50 mL

ANALYTE	TRUE (mg/kg wet)	FOUND (mg/kg wet)	SRM % REC.	QC LIMITS REC.
Aluminum	6840	8240	120	53.2 - 146.2
Antimony	101	71.3	70.6	0.1 - 199
Arsenic	148	149	101	81.1 - 119.6
Barium	191	202	106	81.7 - 118.3
Beryllium	240	258	107	82.1 - 117.5
Cadmium	190	207	109	82.1 - 118.4
Calcium	4030	4030	100	82.1 - 117.9
Chromium	132	137	104	81.1 - 118.9
Cobalt	126	134	107	82.5 - 117.5
Copper	234	258	110	82.9 - 117.5
Iron	6830	7190	105	59.7 - 140.4
Lead	98.6	96.7	98.1	81.8 - 117.6
Magnesium	1960	2170	111	76 - 124
Manganese	244	259	106	80.7 - 119.3
Nickel	155	162	105	81.9 - 118.1
Potassium	2070	2320	112	71 - 128.5
Selenium	124	124	99.9	78.5 - 121
Silver	54.9	56.7	103	79.4 - 120.8
Sodium	275	298	108	73.5 - 126.2
Thallium	183	215	117	80.3 - 119.7
Vanadium	137	142	104	78.1 - 121.9
Zinc	345	344	99.6	79.4 - 120.6

* - Values outside of QC Limits

SERIAL DILUTION

EPA 6010D

HVAC Bottom 3 ft

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Matrix: Soil
Laboratory ID: S5H2724-SRD1
Sequence: S5H2724
Lab Source ID: 25H1535-09
Preparation: BH51916
Initial/Final: 0.6 / 50
Source Sample Name: HVAC Bottom 3 ft
% Solids: 91.50

50x RL

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method	QC Limits % Difference	
Aluminum	15800		19700		24.6 *		EPA 6010D	10	227.5
Antimony	ND		ND				EPA 6010D	10	114
Arsenic	3.51		ND				EPA 6010D	10	68.5
Barium <50xRL	111		142		27.9 *		EPA 6010D	10	113.5
Beryllium	ND		ND				EPA 6010D	10	2.3
Cadmium	ND		ND				EPA 6010D	10	13.65
Calcium	14900		18900		26.9 *		EPA 6010D	10	227.5
Chromium	25.5		32.4		27.4 *		EPA 6010D	10	22.8
Cobalt <50xRL	11.5		14.3		24.4 *		EPA 6010D	10	18.2
Copper <50xRL	32.6		37.4		14.8 *		EPA 6010D	10	91
Iron	24400		29500		20.6 *		EPA 6010D	10	1140
Lead <50xRL	8.19		9.56		16.8 *		EPA 6010D	10	22.8
Magnesium	7140		8940		25.1 *		EPA 6010D	10	228
Manganese	419		538		28.2 *		EPA 6010D	10	22.8
Nickel <50xRL	18.3		23.5		28.4 *		EPA 6010D	10	45.35
Potassium	4200		5110		21.7 *		EPA 6010D	10	228
Selenium	ND		ND				EPA 6010D	10	114
Silver	ND		ND				EPA 6010D	10	22.95
Sodium <50xRL	489		588		20.1 *		EPA 6010D	10	2275
Thallium	ND		ND				EPA 6010D	10	54.5
Vanadium <50xRL	42.8		53.0		23.9 *		EPA 6010D	10	45.35
Zinc <50xRL	60.1		79.1		31.6 *		EPA 6010D	10	113.5

* Values outside of QC limits

samples qual J:SD for aluminum, calcium, chromium, iron, magnesium, manganese, and potassium

POST DIGEST SPIKE SAMPLE RECOVERY

EPA 6010D

HVAC Bottom 3 ft

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Matrix: Soil
Laboratory ID: BH51916-PS1
Batch: BH51916
Lab Source ID: 25H1535-09
Preparation: EPA 3050B
Initial/Final: 0.12 g / 10 mL
Source Sample Name: HVAC Bottom 3 ft
% Solids: 91.50

Analyte	Control Limit %R	Spike Sample Result (SSR) (ug/mL)	Sample Result (SR) (ug/mL)	Spike Added (SA) (ug/mL)	%R
Aluminum	75 - 125	180	174	2.00	305 *
Antimony	75 - 125	0.263	-0.012	0.250	105
Arsenic	75 - 125	2.02	0.038	2.00	98.9
Barium	75 - 125	3.23	1.22	2.00	100
Beryllium	75 - 125	0.048	-0.003	0.0500	96.4
Cadmium	75 - 125	0.050	0.002	0.0500	94.8
Calcium	75 - 125	169	164	1.00	518 *
Chromium	75 - 125	0.475	0.280	0.200	97.8
Cobalt	75 - 125	0.627	0.126	0.500	100
Copper	75 - 125	0.640	0.358	0.250	113
Iron	75 - 125	268	268	1.00	-44.8 *
Lead	75 - 125	0.561	0.090	0.500	94.3
Magnesium	75 - 125	81.6	78.4	1.00	315 *
Manganese	75 - 125	5.05	4.60	0.500	88.9
Nickel	75 - 125	0.693	0.201	0.500	98.3
Potassium	75 - 125	46.8	46.1	1.00	72.2 *
Selenium	75 - 125	1.92	-0.005	2.00	95.8
Silver	75 - 125	0.040	-0.0003	0.0500	80.0
Sodium	75 - 125	6.57	5.37	1.00	120
Thallium	75 - 125	1.93	-0.013	2.00	96.6
Vanadium	75 - 125	0.972	0.470	0.500	100
Zinc	75 - 125	1.12	0.660	0.500	92.2

* Values outside of QC limits

samples qual J+:PD+ for aluminum, calcium, magnesium.

samples qual J-:PD- for iron and postassium

FORM IV **PREPARATION BATCH SUMMARY**

EPA 6010D

Laboratory: ALS Environmental - Stratford SDG: 25H1535

Client: Terracon Consultants, Inc. Project: HPN HVAC J4257006, 10.2

Batch: BH51916 Batch Matrix: Soil Preparation: EPA 3050B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
HVAC SW North 1-3	25H1535-05	QBI082725A_SOIL-090	08/26/25 07:46	
HVAC SW South 1-3	25H1535-06	QBI082725A_SOIL-091	08/26/25 07:46	
HVAC SW East 1-3	25H1535-07	QBI082725A_SOIL-092	08/26/25 07:46	
HVAC SW West 1-3	25H1535-08	QBI082725A_SOIL-093	08/26/25 07:46	
HVAC Bottom 3 ft	25H1535-09	QBI082725A_SOIL-094	08/26/25 07:46	
HVAC DUP	25H1535-10	QBI082725A_SOIL-101	08/26/25 07:46	
Blank	BH51916-BLK1	QBI082725A_SOIL-086	08/26/25 07:46	
HVAC Bottom 3 ft	BH51916-DUP1	QBI082725A_SOIL-095	08/26/25 07:46	
HVAC Bottom 3 ft	BH51916-MS1	QBI082725A_SOIL-098	08/26/25 07:46	Spike witness: JWT
HVAC Bottom 3 ft	BH51916-PS1	QBI082725A_SOIL-099	08/26/25 07:46	[Spk] 0.6g->50mL; 50mL->50mL; Spiked 10mL
Reference	BH51916-SRM1	QBI082725A_SOIL-087	08/26/25 07:46	



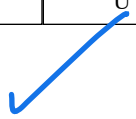
FORM I

METHOD BLANK DATA SHEET

EPA 6010D

Laboratory:	ALS Environmental - Stratford			SDG:	25H1535
Client:	Terracon Consultants, Inc.			Project:	HPN HVAC J4257006, 10.2
Matrix:	Soil	Laboratory ID:	BH51916-BLK1	File ID:	QBI082725A_SOIL-086
Prepared:	08/26/25 07:46	Preparation:	EPA 3050B	Initial/Final:	0.6 g / 50 mL
Analyzed:	08/27/25 12:02	Instrument:	ICP5900-01		
Batch:	BH51916	Sequence:	S5H2724	Calibration:	UNASSIGNED

CAS NO.	COMPOUND	CONC. (mg/kg wet)	Q
7429-90-5	Aluminum	4.17	U
7440-36-0	Antimony	2.08	U
7440-38-2	Arsenic	1.25	U
7440-39-3	Barium	2.08	U
7440-41-7	Beryllium	0.042	U
7440-43-9	Cadmium	0.250	U
7440-70-2	Calcium	4.17	U
7440-47-3	Chromium	0.417	U
7440-48-4	Cobalt	0.333	U
7440-50-8	Copper	1.67	U
7439-89-6	Iron	20.8	U
7439-92-1	Lead	0.417	U
7439-95-4	Magnesium	4.17	U
7439-96-5	Manganese	0.417	U
7440-02-0	Nickel	0.830	U
7440-09-7	Potassium	4.17	U
7782-49-2	Selenium	2.08	U
7440-22-4	Silver	0.420	U
7440-23-5	Sodium	41.7	U
7440-28-0	Thallium	1.67	U
7440-62-2	Vanadium	0.830	U
7440-66-6	Zinc	2.08	U



FORM I

BLANKS

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Instrument ID: ICP5900-01
Project: HPN HVAC J4257006, 10.2
Sequence: S5H2724
Calibration: 08/27/25 0

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S5H2724-ICB1	Aluminum	-0.002	0.050	ug/mL		EPA 6010D
	Antimony	0.002	0.025	ug/mL		EPA 6010D
	Arsenic	0.002	0.015	ug/mL		EPA 6010D
	Barium	0.0002	0.025	ug/mL		EPA 6010D
	Beryllium	0.00	0.0005	ug/mL		EPA 6010D
	Cadmium	0.00	0.003	ug/mL		EPA 6010D
	Calcium	0.0004	0.050	ug/mL		EPA 6010D
	Chromium	0.0003	0.005	ug/mL		EPA 6010D
	Cobalt	-0.0007	0.004	ug/mL		EPA 6010D
no negative bias	Copper	0.0001	0.020	ug/mL		EPA 6010D
	Iron	-0.012	0.250	ug/mL		EPA 6010D
	Lead	-0.002	0.005	ug/mL		EPA 6010D
	Magnesium	0.0001	0.050	ug/mL		EPA 6010D
	Manganese	0.0001	0.005	ug/mL		EPA 6010D
	Nickel	0.001	0.010	ug/mL		EPA 6010D
	Potassium	-0.009	0.050	ug/mL		EPA 6010D
	Selenium	-0.005	0.025	ug/mL		EPA 6010D
	Silver	-0.001	0.005	ug/mL		EPA 6010D
	Sodium	-0.049	0.500	ug/mL		EPA 6010D
	Thallium	-0.002	0.020	ug/mL		EPA 6010D
	Vanadium	-0.0002	0.010	ug/mL		EPA 6010D
	Zinc	0.0003	0.025	ug/mL		EPA 6010D
S5H2724-CCB1	Aluminum	-0.001	0.050	ug/mL		EPA 6010D
	Antimony	0.019	0.025	ug/mL		EPA 6010D
	Arsenic	0.003	0.015	ug/mL		EPA 6010D
	Barium	0.0003	0.025	ug/mL		EPA 6010D
does not bracket samples	Beryllium	-0.00002	0.0005	ug/mL		EPA 6010D
	Cadmium	0.0001	0.003	ug/mL		EPA 6010D
	Calcium	0.002	0.050	ug/mL		EPA 6010D
	Chromium	0.0006	0.005	ug/mL		EPA 6010D
	Cobalt	-0.001	0.004	ug/mL		EPA 6010D

FORM I

BLANKS

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Instrument ID: ICP5900-01
Project: HPN HVAC J4257006, 10.2
Sequence: S5H2724
Calibration: 08/27/25 0

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S5H2724-CCB1	Copper	-0.0001	0.020	ug/mL		EPA 6010D
	Iron	-0.023	0.250	ug/mL		EPA 6010D
	Lead	-0.002	0.005	ug/mL		EPA 6010D
	Magnesium	0.003	0.050	ug/mL		EPA 6010D
	Manganese	0.0001	0.005	ug/mL		EPA 6010D
	Nickel	0.0003	0.010	ug/mL		EPA 6010D
	Potassium	-0.015	0.050	ug/mL		EPA 6010D
	Selenium	0.0003	0.025	ug/mL		EPA 6010D
	Silver	-0.001	0.005	ug/mL		EPA 6010D
	Sodium	-0.062	0.500	ug/mL		EPA 6010D
	Thallium	0.002	0.020	ug/mL		EPA 6010D
	Vanadium	0.0002	0.010	ug/mL		EPA 6010D
	Zinc	0.0002	0.025	ug/mL		EPA 6010D
S5H2724-CCB7	Aluminum	0.00	0.050	ug/mL		EPA 6010D
	Antimony	0.009	0.025	ug/mL		EPA 6010D
	Arsenic	0.004	0.015	ug/mL		EPA 6010D
	Barium	0.002	0.025	ug/mL		EPA 6010D
	Beryllium	0.00001	0.0005	ug/mL		EPA 6010D
	Cadmium	0.0001	0.003	ug/mL		EPA 6010D
	Calcium	0.012	0.050	ug/mL		EPA 6010D
	Chromium	0.0009	0.005	ug/mL		EPA 6010D
	Cobalt	0.0001	0.004	ug/mL		EPA 6010D
	Copper	0.0003	0.020	ug/mL		EPA 6010D
	Iron	-0.021	0.250	ug/mL		EPA 6010D
	Lead	-0.0001	0.005	ug/mL		EPA 6010D
	Magnesium	0.004	0.050	ug/mL		EPA 6010D
	Manganese	0.0006	0.005	ug/mL		EPA 6010D
	Nickel	0.0008	0.010	ug/mL		EPA 6010D
	Potassium	-0.0008	0.050	ug/mL		EPA 6010D
	Selenium	0.0008	0.025	ug/mL		EPA 6010D
	Silver	-0.002	0.005	ug/mL		EPA 6010D

does not bracket samples

FORM I

BLANKS

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Instrument ID: ICP5900-01
Project: HPN HVAC J4257006, 10.2
Sequence: S5H2724
Calibration: 08/27/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S5H2724-CCB7	Sodium	-0.003	0.500	ug/mL		EPA 6010D
	Thallium	0.001	0.020	ug/mL		EPA 6010D
	Vanadium	0.0008	0.010	ug/mL		EPA 6010D
	Zinc	0.0008	0.025	ug/mL		EPA 6010D
BH51916-BLK1	Aluminum	-0.217	4.17	mg/kg wet		EPA 6010D
	Antimony	0.050	2.08	mg/kg wet		EPA 6010D
	Arsenic	0.300	1.25	mg/kg wet		EPA 6010D
	Barium	-0.008	2.08	mg/kg wet		EPA 6010D
	Beryllium	-0.002	0.042	mg/kg wet		EPA 6010D
	Cadmium	0.017	0.250	mg/kg wet		EPA 6010D
	Calcium	-0.333	4.17	mg/kg wet		EPA 6010D
	Chromium	0.042	0.417	mg/kg wet		EPA 6010D
no negative bias	Cobalt	-0.017	0.333	mg/kg wet		EPA 6010D
	Copper	0.00	1.67	mg/kg wet		EPA 6010D
	Iron	-0.408	20.8	mg/kg wet		EPA 6010D
	Lead	-0.225	0.417	mg/kg wet		EPA 6010D
	Magnesium	0.058	4.17	mg/kg wet		EPA 6010D
	Manganese	0.00	0.417	mg/kg wet		EPA 6010D
	Nickel	0.092	0.830	mg/kg wet		EPA 6010D
	Potassium	-0.833	4.17	mg/kg wet		EPA 6010D
	Selenium	-0.475	2.08	mg/kg wet		EPA 6010D
	Silver	-0.117	0.420	mg/kg wet		EPA 6010D
	Sodium	-2.56	41.7	mg/kg wet		EPA 6010D
	Thallium	0.308	1.67	mg/kg wet		EPA 6010D
	Vanadium	0.00	0.830	mg/kg wet		EPA 6010D
	Zinc	-0.008	2.08	mg/kg wet		EPA 6010D
S5H2724-CCB8	Aluminum	-0.002	0.050	ug/mL		EPA 6010D
	Antimony	0.008	0.025	ug/mL		EPA 6010D
	Arsenic	0.002	0.015	ug/mL		EPA 6010D
no negative bias	Barium	0.002	0.025	ug/mL		EPA 6010D
	Beryllium	0.00002	0.0005	ug/mL		EPA 6010D

FORM I

BLANKS

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Instrument ID: ICP5900-01
Project: HPN HVAC J4257006, 10.2
Sequence: S5H2724
Calibration: 08/27/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S5H2724-CCB8	Cadmium	0.0001	0.003	ug/mL		EPA 6010D
	Calcium	0.021	0.050	ug/mL		EPA 6010D
	Chromium	0.0008	0.005	ug/mL		EPA 6010D
	Cobalt	0.00	0.004	ug/mL		EPA 6010D
	Copper	0.0002	0.020	ug/mL		EPA 6010D
	Iron	-0.022	0.250	ug/mL		EPA 6010D
	Lead	-0.002	0.005	ug/mL		EPA 6010D
	Magnesium	0.0007	0.050	ug/mL		EPA 6010D
no negative bias	Manganese	0.0007	0.005	ug/mL		EPA 6010D
	Nickel	0.0006	0.010	ug/mL		EPA 6010D
	Potassium	0.040	0.050	ug/mL		EPA 6010D
	Selenium	-0.0007	0.025	ug/mL		EPA 6010D
	Silver	-0.002	0.005	ug/mL		EPA 6010D
	Sodium	-0.035	0.500	ug/mL		EPA 6010D
	Thallium	0.00	0.020	ug/mL		EPA 6010D
	Vanadium	0.0002	0.010	ug/mL		EPA 6010D
	Zinc	0.001	0.025	ug/mL		EPA 6010D
S5H2724-CCB9	Aluminum	0.003	0.050	ug/mL		EPA 6010D
	Antimony	0.005	0.025	ug/mL		EPA 6010D
	Arsenic	0.004	0.015	ug/mL		EPA 6010D
	Barium	0.002	0.025	ug/mL		EPA 6010D
	Beryllium	0.00008	0.0005	ug/mL		EPA 6010D
	Cadmium	0.00	0.003	ug/mL		EPA 6010D
	Calcium	0.019	0.050	ug/mL		EPA 6010D
no negative bias	Chromium	0.0008	0.005	ug/mL		EPA 6010D
	Cobalt	-0.0005	0.004	ug/mL		EPA 6010D
	Copper	0.0005	0.020	ug/mL		EPA 6010D
	Iron	0.006	0.250	ug/mL		EPA 6010D
	Lead	0.0007	0.005	ug/mL		EPA 6010D
	Magnesium	-0.002	0.050	ug/mL		EPA 6010D
	Manganese	0.0008	0.005	ug/mL		EPA 6010D

FORM I

BLANKS

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Instrument ID: ICP5900-01
Project: HPN HVAC J4257006, 10.2
Sequence: S5H2724
Calibration: 08/27/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S5H2724-CCB9	Nickel	0.001	0.010	ug/mL		EPA 6010D
	Potassium	0.008	0.050	ug/mL		EPA 6010D
	Selenium	0.005	0.025	ug/mL		EPA 6010D
no negative bias	Silver	-0.001	0.005	ug/mL		EPA 6010D
	Sodium	-0.051	0.500	ug/mL		EPA 6010D
	Thallium	-0.003	0.020	ug/mL		EPA 6010D
	Vanadium	0.0002	0.010	ug/mL		EPA 6010D
	Zinc	0.003	0.025	ug/mL		EPA 6010D
S5H2724-CCBA	Aluminum	-0.001	0.050	ug/mL		EPA 6010D
	Antimony	0.007	0.025	ug/mL		EPA 6010D
	Arsenic	0.003	0.015	ug/mL		EPA 6010D
	Barium	0.003	0.025	ug/mL		EPA 6010D
	Beryllium	0.00007	0.0005	ug/mL		EPA 6010D
	Cadmium	0.0001	0.003	ug/mL		EPA 6010D
	Calcium	0.023	0.050	ug/mL		EPA 6010D
does not bracket samples	Chromium	0.0007	0.005	ug/mL		EPA 6010D
	Cobalt	0.00	0.004	ug/mL		EPA 6010D
	Copper	0.0009	0.020	ug/mL		EPA 6010D
	Iron	0.012	0.250	ug/mL		EPA 6010D
	Lead	0.001	0.005	ug/mL		EPA 6010D
	Magnesium	-0.0006	0.050	ug/mL		EPA 6010D
	Manganese	0.0008	0.005	ug/mL		EPA 6010D
	Nickel	0.001	0.010	ug/mL		EPA 6010D
	Potassium	-0.019	0.050	ug/mL		EPA 6010D
	Selenium	-0.002	0.025	ug/mL		EPA 6010D
	Silver	-0.002	0.005	ug/mL		EPA 6010D
	Sodium	-0.055	0.500	ug/mL		EPA 6010D
	Thallium	0.002	0.020	ug/mL		EPA 6010D
	Vanadium	0.0003	0.010	ug/mL		EPA 6010D
	Zinc	0.002	0.025	ug/mL		EPA 6010D
S5H2724-CCBB	Aluminum	0.007	0.050	ug/mL		EPA 6010D

FORM I

BLANKS

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Instrument ID: ICP5900-01
Project: HPN HVAC J4257006, 10.2
Sequence: S5H2724
Calibration: 08/27/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S5H2724-CCBB	Antimony	0.005	0.025	ug/mL		EPA 6010D
	Arsenic	0.002	0.015	ug/mL		EPA 6010D
	Barium	0.003	0.025	ug/mL		EPA 6010D
	Beryllium	0.00001	0.0005	ug/mL		EPA 6010D
does not bracket samples	Cadmium	0.0001	0.003	ug/mL		EPA 6010D
	Calcium	0.026	0.050	ug/mL		EPA 6010D
	Chromium	0.0007	0.005	ug/mL		EPA 6010D
	Cobalt	0.0003	0.004	ug/mL		EPA 6010D
	Copper	0.0003	0.020	ug/mL		EPA 6010D
	Iron	-0.017	0.250	ug/mL		EPA 6010D
	Lead	-0.0003	0.005	ug/mL		EPA 6010D
	Magnesium	0.011	0.050	ug/mL		EPA 6010D
	Manganese	0.0009	0.005	ug/mL		EPA 6010D
	Nickel	0.001	0.010	ug/mL		EPA 6010D
	Potassium	-0.016	0.050	ug/mL		EPA 6010D
	Selenium	-0.0008	0.025	ug/mL		EPA 6010D
	Silver	-0.001	0.005	ug/mL		EPA 6010D
	Sodium	-0.059	0.500	ug/mL		EPA 6010D
	Thallium	-0.001	0.020	ug/mL		EPA 6010D
	Vanadium	0.0008	0.010	ug/mL		EPA 6010D
	Zinc	0.002	0.025	ug/mL		EPA 6010D
S5H2724-CCBC	Aluminum	0.011	0.050	ug/mL		EPA 6010D
	Antimony	0.002	0.025	ug/mL		EPA 6010D
	Arsenic	0.002	0.015	ug/mL		EPA 6010D
	Barium	0.004	0.025	ug/mL		EPA 6010D
does not bracket samples	Beryllium	0.00007	0.0005	ug/mL		EPA 6010D
	Cadmium	0.0002	0.003	ug/mL		EPA 6010D
	Calcium	0.032	0.050	ug/mL		EPA 6010D
	Chromium	0.001	0.005	ug/mL		EPA 6010D
	Cobalt	-0.0006	0.004	ug/mL		EPA 6010D
	Copper	0.0006	0.020	ug/mL		EPA 6010D

FORM I

BLANKS

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Instrument ID: ICP5900-01
Project: HPN HVAC J4257006, 10.2
Sequence: S5H2724
Calibration: 08/27/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S5H2724-CCBC	Iron	0.018	0.250	ug/mL		EPA 6010D
	Lead	0.0007	0.005	ug/mL		EPA 6010D
	Magnesium	0.017	0.050	ug/mL		EPA 6010D
	Manganese	0.001	0.005	ug/mL		EPA 6010D
	Nickel	0.0005	0.010	ug/mL		EPA 6010D
	Potassium	-0.016	0.050	ug/mL		EPA 6010D
	Selenium	-0.001	0.025	ug/mL		EPA 6010D
does not bracket samples	Silver	-0.001	0.005	ug/mL		EPA 6010D
	Sodium	-0.055	0.500	ug/mL		EPA 6010D
	Thallium	0.0001	0.020	ug/mL		EPA 6010D
	Vanadium	0.0003	0.010	ug/mL		EPA 6010D
	Zinc	0.002	0.025	ug/mL		EPA 6010D
S5H2724-CCBD	Aluminum	0.017	0.050	ug/mL		EPA 6010D
	Antimony	0.009	0.025	ug/mL		EPA 6010D
	Arsenic	0.003	0.015	ug/mL		EPA 6010D
	Barium	0.004	0.025	ug/mL		EPA 6010D
does not bracket samples	Beryllium	0.00002	0.0005	ug/mL		EPA 6010D
	Cadmium	0.00	0.003	ug/mL		EPA 6010D
	Calcium	0.046	0.050	ug/mL		EPA 6010D
	Chromium	0.0006	0.005	ug/mL		EPA 6010D
	Cobalt	0.001	0.004	ug/mL		EPA 6010D
	Copper	-0.0002	0.020	ug/mL		EPA 6010D
	Iron	0.036	0.250	ug/mL		EPA 6010D
	Lead	-0.002	0.005	ug/mL		EPA 6010D
	Magnesium	0.019	0.050	ug/mL		EPA 6010D
	Manganese	0.002	0.005	ug/mL		EPA 6010D
	Nickel	0.0009	0.010	ug/mL		EPA 6010D
	Potassium	-0.025	0.050	ug/mL		EPA 6010D
	Selenium	0.003	0.025	ug/mL		EPA 6010D
	Silver	-0.002	0.005	ug/mL		EPA 6010D
	Sodium	-0.068	0.500	ug/mL		EPA 6010D

FORM I

BLANKS

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Instrument ID: ICP5900-01
Project: HPN HVAC J4257006, 10.2
Sequence: S5H2724
Calibration: 08/27/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S5H2724-CCBD	Thallium	0.002	0.020	ug/mL		EPA 6010D
	Vanadium	0.001	0.010	ug/mL		EPA 6010D
	Zinc	0.003	0.025	ug/mL		EPA 6010D
S5H2724-CCBE	Aluminum	-0.004	0.050	ug/mL		EPA 6010D
	Antimony	0.0005	0.025	ug/mL		EPA 6010D
does not bracket samples	Arsenic	0.003	0.015	ug/mL		EPA 6010D
	Barium	0.0001	0.025	ug/mL		EPA 6010D
	Beryllium	-0.00004	0.0005	ug/mL		EPA 6010D
	Cadmium	-0.0001	0.003	ug/mL		EPA 6010D
	Calcium	-0.003	0.050	ug/mL		EPA 6010D
	Chromium	0.0004	0.005	ug/mL		EPA 6010D
	Cobalt	0.0002	0.004	ug/mL		EPA 6010D
	Copper	0.00	0.020	ug/mL		EPA 6010D
	Iron	-0.025	0.250	ug/mL		EPA 6010D
	Lead	-0.002	0.005	ug/mL		EPA 6010D
	Magnesium	-0.002	0.050	ug/mL		EPA 6010D
	Manganese	0.00	0.005	ug/mL		EPA 6010D
	Nickel	0.00	0.010	ug/mL		EPA 6010D
	Potassium	-0.014	0.050	ug/mL		EPA 6010D
	Selenium	-0.005	0.025	ug/mL		EPA 6010D
	Silver	-0.002	0.005	ug/mL		EPA 6010D
	Sodium	-0.095	0.500	ug/mL		EPA 6010D
	Thallium	-0.0009	0.020	ug/mL		EPA 6010D
	Vanadium	-0.0002	0.010	ug/mL		EPA 6010D
	Zinc	0.0001	0.025	ug/mL		EPA 6010D

FORM V **ANALYSIS BATCH (SEQUENCE) SUMMARY**

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Sequence: S5H2724
Instrument: ICP5900-01
Calibration: UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Check	S5H2724-ICV1	QBI082725A_SOIL-006	08/27/25 09:41
Initial Cal Blank	S5H2724-ICB1	QBI082725A_SOIL-007	08/27/25 09:45
Instrument RL Check	S5H2724-CRL1	QBI082725A_SOIL-008	08/27/25 09:46
Interference Check A	S5H2724-IFA1	QBI082725A_SOIL-010	08/27/25 09:49
Interference Check B	S5H2724-IFB1	QBI082725A_SOIL-011	08/27/25 09:51
Calibration Check	S5H2724-CCV1	QBI082725A_SOIL-012	08/27/25 09:53
Calibration Blank	S5H2724-CCB1	QBI082725A_SOIL-013	08/27/25 09:55
Calibration Check	S5H2724-CCV7	QBI082725A_SOIL-084	08/27/25 11:57
Calibration Blank	S5H2724-CCB7	QBI082725A_SOIL-085	08/27/25 11:59
Blank	BH51916-BLK1	QBI082725A_SOIL-086	08/27/25 12:02
Reference	BH51916-SRM1	QBI082725A_SOIL-087	08/27/25 12:04
HVAC SW North 1-3	25H1535-05	QBI082725A_SOIL-090	08/27/25 12:08
HVAC SW South 1-3	25H1535-06	QBI082725A_SOIL-091	08/27/25 12:11
HVAC SW East 1-3	25H1535-07	QBI082725A_SOIL-092	08/27/25 12:13
HVAC SW West 1-3	25H1535-08	QBI082725A_SOIL-093	08/27/25 12:14
HVAC Bottom 3 ft	25H1535-09	QBI082725A_SOIL-094	08/27/25 12:16
HVAC Bottom 3 ft	BH51916-DUP1	QBI082725A_SOIL-095	08/27/25 12:17
Calibration Check	S5H2724-CCV8	QBI082725A_SOIL-096	08/27/25 12:19
Calibration Blank	S5H2724-CCB8	QBI082725A_SOIL-097	08/27/25 12:20
HVAC Bottom 3 ft	BH51916-MS1	QBI082725A_SOIL-098	08/27/25 12:23
HVAC Bottom 3 ft	BH51916-PS1	QBI082725A_SOIL-099	08/27/25 12:24
HVAC Bottom 3 ft	S5H2724-SRD1	QBI082725A_SOIL-100	08/27/25 12:26
HVAC DUP	25H1535-10	QBI082725A_SOIL-101	08/27/25 12:27
Calibration Check	S5H2724-CCV9	QBI082725A_SOIL-108	08/27/25 12:44
Calibration Blank	S5H2724-CCB9	QBI082725A_SOIL-109	08/27/25 12:46
Calibration Check	S5H2724-CCVA	QBI082725A_SOIL-120	08/27/25 13:05
Calibration Blank	S5H2724-CCBA	QBI082725A_SOIL-121	08/27/25 13:07
Calibration Check	S5H2724-CCVB	QBI082725A_SOIL-132	08/27/25 13:23
Calibration Blank	S5H2724-CCBB	QBI082725A_SOIL-133	08/27/25 13:25
Calibration Check	S5H2724-CCVC	QBI082725A_SOIL-144	08/27/25 13:41

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 6010D

Laboratory:	ALS Environmental - Stratford	SDG:	25H1535
Client:	Terracon Consultants, Inc.	Project:	HPN HVAC J4257006, 10.2
Sequence:	S5H2724	Instrument:	ICP5900-01
		Calibration:	UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	S5H2724-CCBC	QBI082725A_SOIL-145	08/27/25 13:44
Calibration Check	S5H2724-CCVD	QBI082725A_SOIL-156	08/27/25 14:01
Calibration Blank	S5H2724-CCBD	QBI082725A_SOIL-157	08/27/25 14:02
Calibration Check	S5H2724-CCVE	QBI082725A_SOIL-164	08/27/25 14:14
Calibration Blank	S5H2724-CCBE	QBI082725A_SOIL-165	08/27/25 14:19

IEC Factors

. Interferents / Analytes	Cr (267.716 nm)	Fe (273.358 nm)
Ag (328.068 nm)	-0.000512	0.000001
Al (308.215 nm)	-0.006419	0.000027
Al (396.152 nm)	0.017878	0.000045
As (188.980 nm)	-0.002378	-0.000001
Ba (233.527 nm)	0.000151	0.000004
Be (313.042 nm)	0.001496	0.000002
Be (313.107 nm)	-0.000025	0.000000
Ca (227.547 nm)	0.163657	-0.017731
Ca (317.933 nm)	0.087767	0.000125
Cd (214.439 nm)	0.000293	0.000000
Co (228.615 nm)	-0.000593	0.000009
Cr (267.716 nm)		0.000004
Cu (324.754 nm)	0.001268	-0.000096
Fe (273.358 nm)	0.024515	
K (766.491 nm)	0.052779	0.000125
K (769.897 nm)	-0.587219	-0.000460
Mg (279.800 nm)	-0.005473	-0.000608
Mg (383.829 nm)	-0.033875	-0.000092
Mn (257.610 nm)	0.000361	0.000017
Na (330.237 nm)	-0.813358	-0.006070
Na (588.995 nm)	-0.025049	-0.000168
Ni (231.604 nm)	0.005525	0.000016
Pb (220.353 nm)	-0.003036	0.000000
S (180.669 nm)	0.016461	0.000084
Sb (206.834 nm)	0.006061	0.000130
Sb (217.582 nm)	0.001987	-0.000001
Se (196.026 nm)	0.000328	-0.000051
Tl (190.794 nm)	0.013342	0.000003
V (292.401 nm)	-0.001711	-0.000039
Zn (206.200 nm)	0.009868	-0.000003

Summary

Worksheet Name QBI082725A.esws

Sequence

Rack:Tube	Sample Label	Weight (g)	Volume (mL)	Dilution
S1:1	IEC Blank	1	1	1
S1:5	Analyte Standard 1_Std 4	1	1	1
S1:13	Interferent Standard 1_200 ppm Fe	1	1	1
S1:14	Interferent Standard 2_0.5 ppm Cr	1	1	1
S1:1	Blank	1	1	1
S1:2	Standard 1	1	1	1
S1:3	Standard 2	1	1	1
S1:4	Standard 3	1	1	1
S1:5	Standard 4	1	1	1
S1:6	SEQ-ICV1	1	1	1
S1:7	SEQ-ICB1	1	1	1
S1:8	SEQ-CRL1	1	1	1
S1:9	SEQ-CRL2	1	1	1
S1:10	SEQ-IFA1	1	1	1
S1:11	SEQ-IFB1	1	1	1
S1:12	SEQ-CCV1	1	1	1
S1:1	SEQ-CCB1	1	1	1
1:1	BH51887-BLK1	1	1	1
1:2	BH51887-BS1	1	1	1
1:3	25H1525-01	1	1	1
1:4	25H1526-03	1	1	1
1:5	BH51887-DUP1	1	1	1
1:6	BH51887-MS1	1	1	1
1:7	BH51887-PS1	1	1	1
1:8	SEQ-SRD1	1	1	1
1:9	25H1540-01	1	1	1
1:10	25H1540-02	1	1	1
S1:12	SEQ-CCV2	1	1	1
S1:1	SEQ-CCB2	1	1	1
1:11	25H1563-01	1	1	1
1:12	25H1563-04	1	1	1
1:13	BH51978-BLK1	1	1	1
1:14	BH51978-BLK2	1	1	1
1:15	BH51978-BS1	1	1	1
1:16	BH51978-BS2	1	1	1
1:17	25H1775-01	1	1	1
1:18	BH51921-BLK1	1	1	1
1:19	BH51921-BLK2	1	1	1
1:20	BH51921-BS1	1	1	1

ICAL

Rack:Tube	Sample Label	Weight (g)	Volume (mL)	Dilution
S1:12	SEQ-CCV3	1	1	1
S1:1	SEQ-CCB3	1	1	1
1:21	BH51921-BS2	1	1	1
1:22	25H1380-06	1	1	1
1:23	25H1381-06	1	1	1
1:24	BH51917-BLK1	1	1	1
1:25	BH51917-LBK1	1	1	1
1:26	BH51917-BS1	1	1	1
1:27	25H0530-30	1	1	1
1:28	BH51917-DUP1	1	1	1
1:29	BH51917-MS1	1	1	1
1:30	BH51917-PS1	1	1	1
S1:12	SEQ-CCV4	1	1	1
S1:1	SEQ-CCB4	1	1	1
1:31	SEQ-SRD1	1	1	1
1:32	25H1438-02	1	1	1
1:33	25H1471-01	1	1	1
1:34	25H1471-02	1	1	1
1:35	25H1471-03	1	1	1
1:36	25H1509-03	1	1	1
1:37	25H1509-06	1	1	1
1:38	25H1517-02	1	1	1
1:39	25H1601-03	1	1	1
1:40	25H1601-06	1	1	1
S1:12	SEQ-CCV5	1	1	1
S1:1	SEQ-CCB5	1	1	1
1:41	BH51977-BLK1	1	1	1
1:42	BH51977-BLK2	1	1	1
1:43	BH51977-BS1	1	1	1
1:44	BH51977-BS2	1	1	1
1:45	25H1775-01	1	1	1
1:46	BH52012-BLK1	1	1	1
1:47	BH52012-BS1	1	1	1
1:48	25H1438-01	1	1	1
1:49	25H1638-01	1	1	1
1:50	25H1638-02	1	1	1
S1:12	SEQ-CCV6	1	1	1
S1:1	SEQ-CCB6	1	1	1
1:51	25H1638-03	1	1	1
1:52	25H1638-04	1	1	1
1:53	25H1674-01	1	1	1
1:54	25H1676-01	1	1	1
1:55	25H1683-05	1	1	1
1:56	25H1743-01	1	1	1
1:57	BH52012-DUP1	1	1	1
1:58	BH52012-MS1	1	1	1
1:59	BH52012-PS1	1	1	1
1:60	SEQ-SRD2	1	1	1
S1:12	SEQ-CCV7	1	1	1
S1:1	SEQ-CCB7	1	1	1

Rack:Tube	Sample Label	Weight (g)	Volume (mL)	Dilution
2:1	BH51916-BLK1	1	1	1
2:2	BH51916-SRM1	1	1	1
2:3	25G1905-29	1	1	1
2:4	25G1905-31	1	1	1
2:5	25H1535-05	1	1	1
2:6	25H1535-06	1	1	1
2:7	25H1535-07	1	1	1
2:8	25H1535-08	1	1	1
2:9	25H1535-09	1	1	1
2:10	BH51916-DUP1	1	1	1
S1:12	SEQ-CCV8	1	1	1
S1:1	SEQ-CCB8	1	1	1
2:11	BH51916-MS1	1	1	1
2:12	BH51916-PS1	1	1	1
2:13	SEQ-SRD1	1	1	1
2:14	25H1535-10	1	1	1
2:15	25H1587-01	1	1	1
2:16	BH51973-BLK1	1	1	1
2:17	BH51973-SRM1	1	1	1
2:18	25H1601-04	1	1	1
2:19	25H1601-07	1	1	1
2:20	25H1601-11	1	1	1
S1:12	SEQ-CCV9	1	1	1
S1:1	SEQ-CCB9	1	1	1
2:21	BH51973-DUP1	1	1	1
2:22	BH51973-MS1	1	1	1
2:23	BH51973-PS1	1	1	1
2:24	SEQ-SRD2	1	1	1
2:25	BH51961-BLK1	1	1	1
2:26	BH51961-SRM1	1	1	1
2:27	25G1724-02	1	1	1
2:28	25G1724-03	1	1	1
2:29	25G1724-04	1	1	1
2:30	25G1724-05	1	1	1
S1:12	SEQ-CCVA	1	1	1
S1:1	SEQ-CCBA	1	1	1
2:31	25G1724-06	1	1	1
2:32	25G1724-07	1	1	1
2:33	25G1724-09	1	1	1
2:34	25G1724-10	1	1	1
2:35	25G1724-14	1	1	1
2:36	25G1724-15	1	1	1
2:37	25G1724-17	1	1	1
2:38	25G1724-19	1	1	1
2:39	25H1530-01	1	1	1
2:40	25H1536-01	1	1	1
S1:12	SEQ-CCVB	1	1	1
S1:1	SEQ-CCBB	1	1	1
2:41	25H1537-01	1	1	1
2:42	25H1537-02	1	1	1

Rack:Tube	Sample Label	Weight (g)	Volume (mL)	Dilution
2:43	25H1537-03	1	1	1
2:44	25H1537-04	1	1	1
2:45	25H1537-05	1	1	1
2:46	25H1537-06	1	1	1
2:47	BH51961-DUP1	1	1	1
2:48	BH51961-MS1	1	1	1
2:49	BH51961-PS1	1	1	1
2:50	SEQ-SRD3	1	1	1
S1:12	SEQ-CCVC	1	1	1
S1:1	SEQ-CCBC	1	1	1
2:51	BH51962-BLK1	1	1	1
2:52	BH51962-SRM1	1	1	1
2:53	25H1537-07	1	1	1
2:54	25H1537-08	1	1	1
2:55	25H1537-09	1	1	1
2:56	25H1537-10	1	1	1
2:57	25H1537-11	1	1	1
2:58	25H1537-12	1	1	1
2:59	25H1537-13	1	1	1
2:60	25H1537-14	1	1	1
S1:12	SEQ-CCVD	1	1	1
S1:1	SEQ-CCBD	1	1	1
3:1	25H1537-15	1	1	1
3:2	25H1537-16	1	1	1
3:3	BH51962-DUP1	1	1	1
3:4	BH51962-MS1	1	1	1
3:5	BH51962-PS1	1	1	1
3:6	SEQ-SRD4	1	1	1
S1:12	SEQ-CCVE	1	1	1
S1:1	SEQ-CCBE	1	1	1
3:7	BH51969-BLK1	1	1	1
3:8	BH51969-BS1	1	1	1
3:9	25H1084-02	1	1	1
3:10	BH51969-MS2	1	1	1
3:11	25H1323-01	1	1	1
3:12	25H1324-03	1	1	1
3:13	25H1325-01	1	1	1
3:14	25H1325-02	1	1	1
3:15	25H1331-01	1	1	1
3:16	25H1380-02	1	1	1
S1:12	SEQ-CCVF	1	1	1
S1:1	SEQ-CCBF	1	1	1
3:17	25H1381-02	1	1	1
3:18	25H1544-01	1	1	1
3:19	25H1550-01	1	1	1
3:20	25H1596-01	1	1	1
3:21	25H1613-04	1	1	1
3:22	25H1626-01	1	1	1
3:23	25H1636-03	1	1	1
3:24	25H1636-04	1	1	1

Rack:Tube	Sample Label	Weight (g)	Volume (mL)	Dilution
3:25	25H1636-05	1	1	1
3:26	25H1636-06	1	1	1
S1:12	SEQ-CCVG	1	1	1
S1:1	SEQ-CCBG	1	1	1
3:27	BH51969-DUP1	1	1	1
3:28	BH51969-MS1	1	1	1
3:29	BH51969-PS1	1	1	1
3:30	SEQ-SRD3	1	1	1
3:31	25H1652-02	1	1	1
S1:12	SEQ-CCVH	1	1	1
S1:1	SEQ-CCBH	1	1	1
S1:8	SEQ-CRL3	1	1	1
S1:9	SEQ-CRL4	1	1	1
S1:10	SEQ-IFA2	1	1	1
S1:11	SEQ-IFB2	1	1	1
S1:15	SEQ-HCV1	1	1	1
S1:12	SEQ-CCVH	1	1	1
S1:1	SEQ-CCBH	1	1	1

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Instrument ID: ICP5900-01
Calibration: 08/27/25
Control Limt: +/- 10.00%
Sequence: S5H2724

Lab Sample ID	Analyte	True	Found	%R	Units	Method
S5H2724-ICV1	Aluminum	10.0	9.72	97.2	ug/mL	EPA 6010D
	Antimony	0.250	0.268	107	ug/mL	EPA 6010D
	Arsenic	0.250	0.247	98.7	ug/mL	EPA 6010D
	Barium	10.0	9.75	97.5	ug/mL	EPA 6010D
	Beryllium	0.250	0.248	99.3	ug/mL	EPA 6010D
	Cadmium	0.125	0.120	96.1	ug/mL	EPA 6010D
	Calcium	25.0	23.8	95.1	ug/mL	EPA 6010D
	Chromium	1.00	0.977	97.7	ug/mL	EPA 6010D
	Cobalt	2.50	2.48	99.2	ug/mL	EPA 6010D
	Copper	1.25	1.24	99.1	ug/mL	EPA 6010D
	Iron	5.00	4.93	98.6	ug/mL	EPA 6010D
	Lead	0.250	0.241	96.3	ug/mL	EPA 6010D
	Magnesium	25.0	24.6	98.4	ug/mL	EPA 6010D
	Manganese	2.50	2.47	98.8	ug/mL	EPA 6010D
	Nickel	2.50	2.46	98.6	ug/mL	EPA 6010D
	Potassium	25.0	24.5	98.2	ug/mL	EPA 6010D
	Selenium	0.250	0.236	94.4	ug/mL	EPA 6010D
	Silver	1.25	1.21	97.0	ug/mL	EPA 6010D
	Sodium	25.0	24.2	96.8	ug/mL	EPA 6010D
	Thallium	0.250	0.236	94.6	ug/mL	EPA 6010D
	Vanadium	2.50	2.47	98.9	ug/mL	EPA 6010D
	Zinc	2.50	2.43	97.3	ug/mL	EPA 6010D
S5H2724-CCV1	Aluminum	10.0	9.73	97.3	ug/mL	EPA 6010D
	Antimony	0.250	0.239	95.5	ug/mL	EPA 6010D
	Arsenic	0.500	0.501	100	ug/mL	EPA 6010D
	Barium	10.0	9.70	97.0	ug/mL	EPA 6010D
	Beryllium	0.250	0.245	98.1	ug/mL	EPA 6010D
	Cadmium	0.250	0.245	98.1	ug/mL	EPA 6010D
	Calcium	25.0	23.7	94.9	ug/mL	EPA 6010D
	Chromium	1.00	0.980	98.0	ug/mL	EPA 6010D
	Cobalt	2.50	2.47	98.8	ug/mL	EPA 6010D
	Copper	1.25	1.22	97.9	ug/mL	EPA 6010D
	Iron	5.00	4.91	98.2	ug/mL	EPA 6010D
	Lead	0.500	0.491	98.2	ug/mL	EPA 6010D
	Magnesium	25.0	24.4	97.4	ug/mL	EPA 6010D

does not bracket samples

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Instrument ID: ICP5900-01
Calibration: 08/27/25
Control Limt: +/- 10.00%
Sequence: S5H2724

Lab Sample ID	Analyte	True	Found	%R	Units	Method
S5H2724-CCV1	Manganese	2.50	2.44	97.5	ug/mL	EPA 6010D
	Nickel	2.50	2.45	97.9	ug/mL	EPA 6010D
	Potassium	5.00	4.90	98.0	ug/mL	EPA 6010D
	Selenium	0.500	0.509	102	ug/mL	EPA 6010D
	Silver	1.25	1.24	98.9	ug/mL	EPA 6010D
	Sodium	25.0	24.2	96.6	ug/mL	EPA 6010D
	Thallium	0.500	0.491	98.2	ug/mL	EPA 6010D
	Vanadium	2.50	2.44	97.8	ug/mL	EPA 6010D
	Zinc	2.50	2.43	97.2	ug/mL	EPA 6010D
S5H2724-CCV7	Aluminum	10.0	9.82	98.2	ug/mL	EPA 6010D
	Antimony	0.250	0.236	94.6	ug/mL	EPA 6010D
	Arsenic	0.500	0.520	104	ug/mL	EPA 6010D
	Barium	10.0	9.76	97.6	ug/mL	EPA 6010D
	Beryllium	0.250	0.250	100	ug/mL	EPA 6010D
	Cadmium	0.250	0.251	100	ug/mL	EPA 6010D
	Calcium	25.0	24.0	95.9	ug/mL	EPA 6010D
	Chromium	1.00	0.993	99.3	ug/mL	EPA 6010D
	Cobalt	2.50	2.47	98.8	ug/mL	EPA 6010D
	Copper	1.25	1.24	98.8	ug/mL	EPA 6010D
	Iron	5.00	5.00	100	ug/mL	EPA 6010D
	Lead	0.500	0.504	101	ug/mL	EPA 6010D
	Magnesium	25.0	24.6	98.4	ug/mL	EPA 6010D
	Manganese	2.50	2.47	98.9	ug/mL	EPA 6010D
	Nickel	2.50	2.47	99.0	ug/mL	EPA 6010D
	Potassium	5.00	5.02	100	ug/mL	EPA 6010D
	Selenium	0.500	0.533	107	ug/mL	EPA 6010D
	Silver	1.25	1.26	101	ug/mL	EPA 6010D
	Sodium	25.0	24.4	97.5	ug/mL	EPA 6010D
	Thallium	0.500	0.505	101	ug/mL	EPA 6010D
	Vanadium	2.50	2.47	98.8	ug/mL	EPA 6010D
	Zinc	2.50	2.46	98.6	ug/mL	EPA 6010D
S5H2724-CCV8	Aluminum	10.0	9.81	98.1	ug/mL	EPA 6010D
	Antimony	0.250	0.235	93.9	ug/mL	EPA 6010D
	Arsenic	0.500	0.520	104	ug/mL	EPA 6010D
	Barium	10.0	9.87	98.7	ug/mL	EPA 6010D

does not bracket samples

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Instrument ID: ICP5900-01
Calibration: 08/27/25
Control Limt: +/- 10.00%
Sequence: S5H2724

Lab Sample ID	Analyte	True	Found	%R	Units	Method
S5H2724-CCV8	Beryllium	0.250	0.251	100	ug/mL	EPA 6010D
	Cadmium	0.250	0.251	100	ug/mL	EPA 6010D
	Calcium	25.0	24.1	96.4	ug/mL	EPA 6010D
	Chromium	1.00	0.996	99.6	ug/mL	EPA 6010D
	Cobalt	2.50	2.50	100	ug/mL	EPA 6010D
	Copper	1.25	1.24	98.8	ug/mL	EPA 6010D
	Iron	5.00	5.03	101	ug/mL	EPA 6010D
	Lead	0.500	0.496	99.1	ug/mL	EPA 6010D
	Magnesium	25.0	24.7	98.8	ug/mL	EPA 6010D
	Manganese	2.50	2.47	98.6	ug/mL	EPA 6010D
	Nickel	2.50	2.46	98.3	ug/mL	EPA 6010D
	Potassium	5.00	5.04	101	ug/mL	EPA 6010D
	Selenium	0.500	0.532	106	ug/mL	EPA 6010D
	Silver	1.25	1.31	105	ug/mL	EPA 6010D
	Sodium	25.0	24.3	97.4	ug/mL	EPA 6010D
	Thallium	0.500	0.503	101	ug/mL	EPA 6010D
	Vanadium	2.50	2.48	99.2	ug/mL	EPA 6010D
	Zinc	2.50	2.45	98.1	ug/mL	EPA 6010D
S5H2724-CCV9	Aluminum	10.0	9.80	98.0	ug/mL	EPA 6010D
	Antimony	0.250	0.235	93.8	ug/mL	EPA 6010D
	Arsenic	0.500	0.518	104	ug/mL	EPA 6010D
	Barium	10.0	9.75	97.5	ug/mL	EPA 6010D
	Beryllium	0.250	0.250	100	ug/mL	EPA 6010D
	Cadmium	0.250	0.249	99.5	ug/mL	EPA 6010D
	Calcium	25.0	23.8	95.3	ug/mL	EPA 6010D
	Chromium	1.00	0.986	98.6	ug/mL	EPA 6010D
	Cobalt	2.50	2.47	98.8	ug/mL	EPA 6010D
	Copper	1.25	1.23	98.2	ug/mL	EPA 6010D
	Iron	5.00	4.97	99.5	ug/mL	EPA 6010D
	Lead	0.500	0.504	101	ug/mL	EPA 6010D
	Magnesium	25.0	24.5	98.2	ug/mL	EPA 6010D
	Manganese	2.50	2.45	98.0	ug/mL	EPA 6010D
	Nickel	2.50	2.45	97.9	ug/mL	EPA 6010D
	Potassium	5.00	4.94	98.8	ug/mL	EPA 6010D
	Selenium	0.500	0.532	106	ug/mL	EPA 6010D

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Instrument ID: ICP5900-01
Calibration: 08/27/25
Control Limt: +/- 10.00%
Sequence: S5H2724

Lab Sample ID	Analyte	True	Found	%R	Units	Method
S5H2724-CCV9	Silver	1.25	1.24	99.0	ug/mL	EPA 6010D
	Sodium	25.0	24.2	96.6	ug/mL	EPA 6010D
	Thallium	0.500	0.501	100	ug/mL	EPA 6010D
	Vanadium	2.50	2.45	98.1	ug/mL	EPA 6010D
	Zinc	2.50	2.45	97.8	ug/mL	EPA 6010D
S5H2724-CCVA	Aluminum	10.0	9.67	96.7	ug/mL	EPA 6010D
	Antimony	0.250	0.232	92.9	ug/mL	EPA 6010D
	Arsenic	0.500	0.515	103	ug/mL	EPA 6010D
	Barium	10.0	9.84	98.4	ug/mL	EPA 6010D
	Beryllium	0.250	0.250	100	ug/mL	EPA 6010D
	Cadmium	0.250	0.250	100	ug/mL	EPA 6010D
	Calcium	25.0	23.7	94.8	ug/mL	EPA 6010D
	Chromium	1.00	0.992	99.2	ug/mL	EPA 6010D
does not bracket samples	Cobalt	2.50	2.47	98.8	ug/mL	EPA 6010D
	Copper	1.25	1.24	98.8	ug/mL	EPA 6010D
	Iron	5.00	4.98	99.7	ug/mL	EPA 6010D
	Lead	0.500	0.490	98.0	ug/mL	EPA 6010D
	Magnesium	25.0	24.4	97.8	ug/mL	EPA 6010D
	Manganese	2.50	2.45	97.8	ug/mL	EPA 6010D
	Nickel	2.50	2.44	97.7	ug/mL	EPA 6010D
	Potassium	5.00	5.00	100	ug/mL	EPA 6010D
	Selenium	0.500	0.524	105	ug/mL	EPA 6010D
	Silver	1.25	1.24	99.5	ug/mL	EPA 6010D
	Sodium	25.0	24.1	96.6	ug/mL	EPA 6010D
	Thallium	0.500	0.495	98.9	ug/mL	EPA 6010D
	Vanadium	2.50	2.47	98.7	ug/mL	EPA 6010D
	Zinc	2.50	2.44	97.7	ug/mL	EPA 6010D
S5H2724-CCVB	Aluminum	10.0	9.66	96.6	ug/mL	EPA 6010D
	Antimony	0.250	0.232	92.7	ug/mL	EPA 6010D
	Arsenic	0.500	0.513	103	ug/mL	EPA 6010D
	Barium	10.0	9.84	98.4	ug/mL	EPA 6010D
does not bracket samples	Beryllium	0.250	0.248	99.0	ug/mL	EPA 6010D
	Cadmium	0.250	0.249	99.4	ug/mL	EPA 6010D
	Calcium	25.0	23.6	94.6	ug/mL	EPA 6010D
	Chromium	1.00	0.987	98.7	ug/mL	EPA 6010D

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Instrument ID: ICP5900-01
Calibration: 08/27/25
Control Limt: +/- 10.00%
Sequence: S5H2724

Lab Sample ID	Analyte	True	Found	%R	Units	Method
S5H2724-CCVB	Cobalt	2.50	2.46	98.3	ug/mL	EPA 6010D
	Copper	1.25	1.22	97.2	ug/mL	EPA 6010D
	Iron	5.00	4.97	99.3	ug/mL	EPA 6010D
	Lead	0.500	0.488	97.7	ug/mL	EPA 6010D
	Magnesium	25.0	24.3	97.3	ug/mL	EPA 6010D
	Manganese	2.50	2.44	97.6	ug/mL	EPA 6010D
	Nickel	2.50	2.43	97.3	ug/mL	EPA 6010D
	Potassium	5.00	4.94	98.8	ug/mL	EPA 6010D
	Selenium	0.500	0.522	104	ug/mL	EPA 6010D
	Silver	1.25	1.13	90.5	ug/mL	EPA 6010D
	Sodium	25.0	23.9	95.6	ug/mL	EPA 6010D
	Thallium	0.500	0.493	98.7	ug/mL	EPA 6010D
	Vanadium	2.50	2.46	98.4	ug/mL	EPA 6010D
	Zinc	2.50	2.43	97.3	ug/mL	EPA 6010D
S5H2724-CCVC	Aluminum	10.0	9.68	96.8	ug/mL	EPA 6010D
	Antimony	0.250	0.229	91.8	ug/mL	EPA 6010D
	Arsenic	0.500	0.514	103	ug/mL	EPA 6010D
	Barium	10.0	9.85	98.5	ug/mL	EPA 6010D
	Beryllium	0.250	0.250	99.8	ug/mL	EPA 6010D
	Cadmium	0.250	0.250	100	ug/mL	EPA 6010D
	Calcium	25.0	23.7	94.8	ug/mL	EPA 6010D
	Chromium	1.00	0.991	99.1	ug/mL	EPA 6010D
	Cobalt	2.50	2.47	98.9	ug/mL	EPA 6010D
	Copper	1.25	1.23	98.2	ug/mL	EPA 6010D
	Iron	5.00	4.97	99.5	ug/mL	EPA 6010D
	Lead	0.500	0.492	98.3	ug/mL	EPA 6010D
	Magnesium	25.0	24.5	97.9	ug/mL	EPA 6010D
	Manganese	2.50	2.45	97.8	ug/mL	EPA 6010D
	Nickel	2.50	2.44	97.5	ug/mL	EPA 6010D
	Potassium	5.00	4.85	97.0	ug/mL	EPA 6010D
	Selenium	0.500	0.527	105	ug/mL	EPA 6010D
	Silver	1.25	1.22	98.0	ug/mL	EPA 6010D
	Sodium	25.0	24.2	96.6	ug/mL	EPA 6010D
	Thallium	0.500	0.499	99.8	ug/mL	EPA 6010D
	Vanadium	2.50	2.47	98.8	ug/mL	EPA 6010D

does not bracket samples

does not bracket samples

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Instrument ID: ICP5900-01
Calibration: 08/27/25
Control Limt: +/- 10.00%
Sequence: S5H2724

Lab Sample ID	Analyte	True	Found	%R	Units	Method
S5H2724-CCVC	Zinc	2.50	2.44	97.7	ug/mL	EPA 6010D
S5H2724-CCVD	Aluminum	10.0	9.57	95.7	ug/mL	EPA 6010D
	Antimony	0.250	0.226	90.3	ug/mL	EPA 6010D
	Arsenic	0.500	0.512	102	ug/mL	EPA 6010D
	Barium	10.0	9.75	97.5	ug/mL	EPA 6010D
	Beryllium	0.250	0.245	97.8	ug/mL	EPA 6010D
	Cadmium	0.250	0.248	99.4	ug/mL	EPA 6010D
	Calcium	25.0	23.6	94.4	ug/mL	EPA 6010D
does not bracket samples	Chromium	1.00	0.982	98.2	ug/mL	EPA 6010D
	Cobalt	2.50	2.44	97.8	ug/mL	EPA 6010D
✓	Copper	1.25	1.21	96.6	ug/mL	EPA 6010D
	Iron	5.00	4.92	98.4	ug/mL	EPA 6010D
	Lead	0.500	0.490	98.0	ug/mL	EPA 6010D
	Magnesium	25.0	24.1	96.5	ug/mL	EPA 6010D
	Manganese	2.50	2.42	96.9	ug/mL	EPA 6010D
	Nickel	2.50	2.42	96.8	ug/mL	EPA 6010D
	Potassium	5.00	4.81	96.1	ug/mL	EPA 6010D
	Selenium	0.500	0.522	104	ug/mL	EPA 6010D
	Silver	1.25	1.20	96.0	ug/mL	EPA 6010D
	Sodium	25.0	23.9	95.5	ug/mL	EPA 6010D
	Thallium	0.500	0.494	98.8	ug/mL	EPA 6010D
	Vanadium	2.50	2.44	97.7	ug/mL	EPA 6010D
	Zinc	2.50	2.43	97.1	ug/mL	EPA 6010D
S5H2724-CCVE	Aluminum	10.0	9.68	96.8	ug/mL	EPA 6010D
	Antimony	0.250	0.234	93.6	ug/mL	EPA 6010D
	Arsenic	0.500	0.514	103	ug/mL	EPA 6010D
	Barium	10.0	9.59	95.9	ug/mL	EPA 6010D
	Beryllium	0.250	0.244	97.6	ug/mL	EPA 6010D
	Cadmium	0.250	0.248	99.2	ug/mL	EPA 6010D
does not bracket samples	Calcium	25.0	23.6	94.2	ug/mL	EPA 6010D
✓	Chromium	1.00	0.978	97.8	ug/mL	EPA 6010D
	Cobalt	2.50	2.44	97.8	ug/mL	EPA 6010D
	Copper	1.25	1.21	96.9	ug/mL	EPA 6010D
	Iron	5.00	4.89	97.7	ug/mL	EPA 6010D
	Lead	0.500	0.497	99.4	ug/mL	EPA 6010D

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Instrument ID: ICP5900-01
Calibration: 08/27/25
Control Limt: +/- 10.00%
Sequence: S5H2724

Lab Sample ID	Analyte	True	Found	%R	Units	Method
S5H2724-CCVE	Magnesium	25.0	24.2	96.9	ug/mL	EPA 6010D
	Manganese	2.50	2.43	97.2	ug/mL	EPA 6010D
	Nickel	2.50	2.44	97.6	ug/mL	EPA 6010D
	Potassium	5.00	4.79	95.7	ug/mL	EPA 6010D
	Selenium	0.500	0.529	106	ug/mL	EPA 6010D
does not bracket samples	Silver	1.25	1.23	98.5	ug/mL	EPA 6010D
✓	Sodium	25.0	23.9	95.8	ug/mL	EPA 6010D
	Thallium	0.500	0.501	100	ug/mL	EPA 6010D
	Vanadium	2.50	2.43	97.4	ug/mL	EPA 6010D
	Zinc	2.50	2.44	97.4	ug/mL	EPA 6010D

* Values outside of QC limits

CRDL STANDARD

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Instrument ID: ICP5900-01
Calibration: 08/27/25
Sequence: S5H2724

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
S5H2724-CRL1	Aluminum	0.500	0.531	106	ug/mL	25 - 175
	Antimony	0.0250	0.018	70.8	ug/mL	25 - 175
	Arsenic	0.0150	0.018	117	ug/mL	25 - 175
	Barium	0.0250	0.027	108	ug/mL	25 - 175
	Beryllium	0.000500	0.0006	112	ug/mL	25 - 175
	Cadmium	0.00300	0.003	103	ug/mL	25 - 175
	Calcium	0.500	0.562	112	ug/mL	25 - 175
	Chromium	0.00500	0.006	110	ug/mL	25 - 175
	Cobalt	0.00400	0.004	110	ug/mL	25 - 175
	Copper	0.0400	0.038	96.0	ug/mL	25 - 175
	Iron	0.500	0.495	98.9	ug/mL	25 - 175
	Lead	0.00500	0.006	130	ug/mL	25 - 175
	Magnesium	0.500	0.500	99.9	ug/mL	25 - 175
	Manganese	0.0100	0.011	107	ug/mL	25 - 175
	Nickel	0.0100	0.012	121	ug/mL	25 - 175
	Potassium	0.500	0.580	116	ug/mL	25 - 175
	Selenium	0.0250	0.020	80.4	ug/mL	25 - 175
	Silver	0.0100	0.009	86.0	ug/mL	25 - 175
	Sodium	0.500	0.489	97.8	ug/mL	25 - 175
	Thallium	0.0250	0.024	96.8	ug/mL	25 - 175
	Vanadium	0.0100	0.010	100	ug/mL	25 - 175
	Zinc	0.0250	0.030	121	ug/mL	25 - 175

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Instrument ID: ICP5900-01
Calibration: 08/27/25
Sequence: S5H2724

Lab Sample ID	Analyte	True	Found	RL	% Rec	Acceptance Criteria	Units
S5H2724-IFA1	Aluminum	500	509.43	0.050	•102	400 to 600	ug/mL
	Antimony		-0.01	0.025		-0.025 to 0.025	ug/mL
	Arsenic		0.01	0.015		-0.015 to 0.015	ug/mL
	Barium		0.01	0.025		-0.025 to 0.025	ug/mL
	Beryllium		0.00	0.0005		-0.0005 to 0.0005	ug/mL
	Cadmium		0.00	0.003		-0.003 to 0.003	ug/mL
	Calcium	500	463.53	0.050	92.7	400 to 600	ug/mL
	Chromium		0.00	0.005		-0.005 to 0.005	ug/mL
	Cobalt		0.00	0.004		-0.004 to 0.004	ug/mL
	Copper		0.00	0.020		-0.020 to 0.020	ug/mL
	Iron	200	210.68	0.250	105	160 to 240	ug/mL
	Lead		-0.01	0.005		-0.005 to 0.005	ug/mL
	Magnesium	500	526.32	0.050	•105	400 to 600	ug/mL
	Manganese		0.00	0.005		-0.005 to 0.005	ug/mL
	Nickel		0.00	0.010		-0.010 to 0.010	ug/mL
	Potassium		0.08	0.050		-0.050 to 0.050	ug/mL
	Selenium		-0.01	0.025		-0.025 to 0.025	ug/mL
	Silver		0.00	0.005		-0.005 to 0.005	ug/mL
	Sodium		0.21	0.500		-0.500 to 0.500	ug/mL
	Thallium		0.00	0.020		-0.020 to 0.020	ug/mL
	Vanadium		0.00	0.010		-0.010 to 0.010	ug/mL

ICP INTERFERENCE CHECK SAMPLE

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Instrument ID: ICP5900-01
Calibration: 08/27/25
Sequence: S5H2724

Lab Sample ID	Analyte	True	Found	RL	% Rec	Acceptance Criteria	Units
S5H2724-IFA1	Zinc		0.00	0.025		-0.025 to 0.025	ug/mL

* Values outside of QC limits



ICP INTERFERENCE CHECK SAMPLE

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Instrument ID: ICP5900-01
Calibration: 08/27/25
Sequence: S5H2724

Lab Sample ID	Analyte	True	Found	RL	% Rec	Acceptance Criteria	Units
S5H2724-IFB1	Aluminum	500	510.09	0.050	102	400 to 600	ug/mL
	Antimony	0.500	0.46	0.025	92.5	0 to 1	ug/mL
	Arsenic	0.500	0.48	0.015	96.4	0 to 1	ug/mL
	Barium	0.500	0.49	0.025	97.9	0 to 1	ug/mL
	Beryllium	0.500	0.49	0.0005	97.1	0 to 1	ug/mL
	Cadmium	1.00	0.88	0.003	87.5	1 to 1	ug/mL
	Calcium	500	464.74	0.050	92.9	400 to 600	ug/mL
	Chromium	0.500	0.47	0.005	93.5	0 to 1	ug/mL
	Cobalt	0.500	0.46	0.004	92.3	0 to 1	ug/mL
	Copper	0.500	0.57	0.020	114	0 to 1	ug/mL
	Iron	200	210.99	0.250	105	160 to 240	ug/mL
	Lead	1.00	0.89	0.005	89.2	1 to 1	ug/mL
	Magnesium	500	525.80	0.050	105	400 to 600	ug/mL
	Manganese	0.500	0.47	0.005	94.1	0 to 1	ug/mL
	Nickel	1.00	0.90	0.010	90.1	1 to 1	ug/mL
	Potassium		-0.06	0.050		-0.050 to 0.050	ug/mL
	Selenium	0.500	0.45	0.025	90.0	0 to 1	ug/mL
	Silver	1.00	1.06	0.005	106	1 to 1	ug/mL
	Sodium		0.21	0.500		-0.500 to 0.500	ug/mL
	Thallium	0.500	0.44	0.020	88.8	0 to 1	ug/mL
	Vanadium	0.500	0.48	0.010	96.9	0 to 1	ug/mL

ICP INTERFERENCE CHECK SAMPLE

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Instrument ID: ICP5900-01
Calibration: 08/27/25
Sequence: S5H2724

Lab Sample ID	Analyte	True	Found	RL	% Rec	Acceptance Criteria	Units
S5H2724-IFB1	Zinc	1.00	0.85	0.025	84.6	1 to 1	ug/mL

* Values outside of QC limits

Metals Linear Dynamic Range

EPA 6010D

Laboratory: ALS Environmental - Stratford
SDG: 25H1535
Client: Terracon Consultants, Inc.
Project: HPN HVAC J4257006, 10.2
Instrument: ICP5900-01

CAS NO.	Analyte	Concentration mg/kg dry
7429-90-5	Aluminum	250000
7440-36-0	Antimony	5000
7440-38-2	Arsenic	25000
7440-39-3	Barium	12500
7440-41-7	Beryllium	1250
7440-43-9	Cadmium	3000
7440-70-2	Calcium	250000
7440-47-3	Chromium	5000
7440-48-4	Cobalt	12500
7440-50-8	Copper	6250
7439-89-6	Iron	100000
7439-92-1	Lead	15000
7439-95-4	Magnesium	250000
7439-96-5	Manganese	7500
7440-02-0	Nickel	12500
7440-09-7	Potassium	25000
7782-49-2	Selenium	10000
7440-22-4	Silver	6250
7440-23-5	Sodium	125000
7440-28-0	Thallium	12500
7440-62-2	Vanadium	12500
7440-66-6	Zinc	3000



ICP Interelement Correction Factors

Laboratory: SDG:

Client: Project:

Instrument: Date:

Analyte	Wavelength (nm)	Fe	Al	Ca	Mg
Ag	338.289	0	0	0.01053	0
Al	308.215	-0.0853677	n/a	0.0113715	0.0230017
Al RADIAL		-0.120022	1040.13	-0.0385377	-0.0326901
As	188.979	-0.147064	0	0	0
Ba	233.527	0	0	0	0
Be	313.107	0	0	0	0
Ca	227.546	-4.69394	-0.540569	n/a	-0.0764809
Ca RADIAL		-0.208308	-0.0362947	985.629	-00380518
Cd	226.502	0.188643	0	0	0
Co	228.616	0	0	0	0
Cr	267.716	0	0	0	0
Cu	324.752	-0.0486096	0.011678	0.0195576	0.0130959
Fe	273.955	n/a	0	0	0
Fe RADIAL		1050.93	0.010468	0	0.0130041
K RADIAL		0	-0.0141601	0	0.019658
Mg	279.077	-0.0503105	0	0.0223471	n/a
Mg RADIAL		-0.0472329	0	0.0580061	959.388
Mn	257.610	-0.0538655	0	0	0.0184026
Na	330.237	-4.8803	-0.0462274	-1.67366	-0.102377
Na RADIAL		0.073432	0.0403134	0.0327159	0.108619
Ni	232.003	-0.163436	0	0	0
Pb	220.353	0.130655	-0.0944594	-0.011762	0
Sb	206.836	0	0.0149504	0	0
Se	196.026	-0.702912	0	0	0
Tl	190.801	-0.0795765	-0.0111665	0	0
V	292.402	0.0810207	0	0	0
Y	371.029	25.2577	9.27277	8.3464	8.87615
Y RADIAL		25.9251	9.90661	8.63732	9.4563
Zn	206.200	0.0476982	0.0198303	0	0

BENCHSHEETS

SDG: 25H1735

CLASS: METALS

METHOD: EPA 6010D

PREPARATION BENCH SHEET : BH51916

Preparation Date: 08/26/2025 07:46

ALS Environmental - Stratford

Matrix: Soil

Samples And QC:

Lab Number	Analysis	g Initial	mL Final	Spike1	uL Spike1	Spike2	uL Spike2	Source ID	PH Data If applicable Initial	Final	Basic	Decanted If applicable Y/N	Comments
25H1535-05 A	Metals, Target Analyte	0.6	50						95C	8:35AM	1:10PM		
25H1535-06 A	Metals, Target Analyte	0.6	50						95C	8:35AM	1:10PM		
25H1535-07 A	Metals, Target Analyte	0.6	50						95C	8:35AM	1:10PM		
25H1535-08 A	Metals, Target Analyte	0.6	50						95C	8:35AM	1:10PM		
25H1535-09 E	Metals, Target Analyte	0.6	50						95C	8:35AM	1:10PM		
25H1535-10 E	Metals, Target Analyte	0.6	50						95C	8:35AM	1:10PM		
BH51916-BLK1	Metals, Target Analyte	0.6	50										
BH51916-DUP1	Metals, Target Analyte	0.6	50					25H1535-09	95C	8:35AM	1:10PM		
BH51916-MS1	Metals, Target Analyte	0.6	50	S25G343	500			25H1535-09	95C	8:35AM	1:10PM		Spike witness: JWT
BH51916-PS1	Metals, Target Analyte	0.12	10	S25G068	100			25H1535-09	95C	8:35AM	1:10PM		[Spk] 0.6g->50mL; 50mL->50mL
BH51916-SRM1	Metals, Target Analyte	0.6	50	S25H028	600								

Reagent

Standard/Reagent ID	Description	LotNum
S25H088	Hydrochloric Acid, Instra-Analyzed (TraceMetal)	24021032
S25H089	Nitric Acid Instra-Analyzed (TraceMetal Grade)	1124120
S25H200	Hydrogen Peroxide, ACS grade	831101

Spike

Standard/Reagent ID	Description	LotNum	Volume (uL)
S25G068	ICP Post Spike	-	100
S25G343	ICP Matrix Spike - Pre-Prep	-	500
S25H028	Soil SRM - ICP & ICPMS	D125-540	600

Preparations Performed by Jason W Tom **Date:** **08/04/2025 08:00**

Section 5 Project Correspondence

From:	Stephen Zeiner
To:	Koons, Andrew
Cc:	Aaron Sobel; Valerie Butterhof
Subject:	Contact for ALS - HPN HVAC project
Date:	Friday, February 27, 2026 4:07:47 PM

Hi Andrew,

We have completed the initial evaluation of the data for the HPN HVAC J4257006 project.

We can request the revision, or you can. If you would like us to request the revision, if so, please provide the email contact? If you request the revision, please copy us on the email. The other alternative is that we can document the issue with the data package.

Please advise on the approach you would like to take for this project.

Here are the requests for 25H1532 and 25H1535:

For 25H1532:

Mercury:

- Prep batches: BH51770 (8/22/25 11:45)
- Analytical sequence: S5H2018
- Calibration: File name: ICALSOIL DMA80-01 050225a ICAL.c80 (02.05.2025 15:46:34)
- Missing CCVs: SEQ-CCV4 (22.08.25 12:16), SEQ-CCV5 (22.08.25 14:35)
- Missing LCS: BH51770-SRM1 (22.08.25 12:33)

VOCs:

- Missing CCV summary form: SEQ-CCV1 (V2-637308.D) 22 Aug 2025 7:27 am

1,4-Dioxane:

- Tune not reported in the sequence summary.
- In the other SDG that has the same sequence number (S5H2625)
- Tune ID reported in other SDG is S5H2625-TUN1 (08/26/25 11:47), File name (SV308574.D)

SVOCs

- Raw data of CCV missing for S5H2832-CCV1 (08/27/25 18:39) File name (SV4423784a.D)

For 25H1535:

Mercury:

- Prep batches: BH51770 (8/22/25 11:45) and BH51843 (08/25/25 08:11)
- Analytical sequence: S5H2018
- Calibration: File name: ICALSOIL DMA80-01 050225a ICAL.c80 (02.05.2025

15:46:34)

- Missing CCVs: SEQ-CCV4 (22.08.25 12:16), SEQ-CCV5 (22.08.25 14:35), SEQ-CCV6 (25.08.25 11:53)
- Missing LCS: BH51770-SRM1 (22.08.25 12:33)

Regards - Steve

Stephen T. Zeiner, CEAC (Steve/he/him)
Principal Chemist
Environmental Standards, Inc.
(Montrose Environmental Group)
Valley Forge PA | US Eastern Time
Office: Direct 484.808.4386
Cell: 610-329-5552
szeiner@envstd.com | www.envstd.com | www.montrose-env.com

Outlook

RE: [EXTERNAL] - RE: Requests for HPN Excavation SDGs 25H1532 and 25H1535

From Stephen Zeiner <szeiner@envstd.com>
Date Fri 4/24/2026 1:53 PM
To Koons, Andrew <andrew.koons@terracon.com>; Charney, Kris <kris.charney@terracon.com>
Cc Heather Paul <hpaul@envstd.com>; Aaron Sobel <AaronSobel@envstd.com>; Valerie Butterhof <vbutterhof@envstd.com>

Hi Andrew,

Hope that all is well.

Have you been able to access the revised data packages? If so, can you please provide using the prior link provided.

Much appreciated – Steve

Stephen T. Zeiner, CEAC
Principal Chemist • Chemistry and Data Quality Solutions
Office +1 484.808.4386
Mobile +1 610.329.5552
Valley Forge, PA, USA • Eastern Time
szeiner@onterris.com • Onterris.com
Onterris

From: Giovanna Deloca <giovanna.deloca@ALSGlobal.com>
Sent: Tuesday, April 21, 2026 10:28 AM
To: Stephen Zeiner <szeiner@envstd.com>
Cc: Heather Paul <hpaul@envstd.com>; Aaron Sobel <AaronSobel@envstd.com>; Valerie Butterhof <vbutterhof@envstd.com>; Charney, Kris <kris.charney@terracon.com>; Koons, Andrew <andrew.koons@terracon.com>
Subject: Re: [EXTERNAL] - RE: Requests for HPN Excavation SDGs 25H1532 and 25H1535

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Hi Steve,

The revised package for 25H1532 finished yesterday and 25H1535 should complete by EOD today.

Terracon can go on our dataport to download the package for review.

Best,
Giovanna

Giovanna DeLoca
Project Manager
USA Environmental

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giovanna.deloca@alsglobal.com
120 Research Drive
Stratford, CT 06615

alsglobal.com/usaenviro



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EnviroMail 38 USA - *Tire-Derived Chemical 6PPD-Quinone Linked to Salmon Mortality - Dec 2025*
EnviroMail 39 USA- *Testing Volatile PFAS in Air by OTM-50 - Jan 2026*

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From: Giovanna Deloca
Sent: Friday, April 17, 2026 2:37 PM
To: Stephen Zeiner
Cc: Heather Paul ; Aaron Sobel ; Valerie Butterhof ; Charney, Kris ; Koons, Andrew
Subject: Re: [EXTERNAL] - RE: Requests for HPN Excavation SDGs 25H1532 and 25H1535

Steve,

Thank you for taking my call and getting back to me. We will have these revised packages to you early next week.

Have a great weekend.

Best,
Giovanna

Giovanna DeLoca
Project Manager
USA Environmental

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From: Stephen Zeiner
Sent: Friday, April 17, 2026 1:46 PM
To: Giovanna Deloca
Cc: Heather Paul ; Aaron Sobel ; Valerie Butterhof ; Charney, Kris ; Koons, Andrew
Subject: RE: [EXTERNAL] - RE: Requests for HPN Excavation SDGs 25H1532 and 25H1535

Giovanna,
I received information is acceptable. Please provide revised packages.
Regards – Steve
Stephen T. Zeiner, CEAC (Steve/he/him)
Principal Chemist
Environmental Standards, Inc.
(Montrose Environmental Group)
Valley Forge PA | US Eastern Time
Office: Direct 484.808.4386
Cell: 610-329-5552
szeiner@envstd.com | www.envstd.com | www.montrose-env.com

From: Giovanna Deloca
Sent: Thursday, April 16, 2026 5:05 PM
To: Stephen Zeiner
Cc: Heather Paul ; Aaron Sobel ; Valerie Butterhof ; Charney, Kris ; Koons, Andrew
Subject: Re: [EXTERNAL] - RE: Requests for HPN Excavation SDGs 25H1532 and 25H1535

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Hi Steve and Andrew,
We have gathered all the raw data for all the calibration equations used for both SDGs in the attached excel documents. Please advise if this will suffice as we do not have a formal report to include the calibration equations.
A revised package will be generated to include the known concentrations of the CCV samples for Reactive Cyanide in 25H1532. Attached are the batch and calibration's for reactive cyanide batches for SDG 25H1532.
We are working on getting the PFAS fraction to provide you with summary forms for the MS/MSD analysis for SDG 25H1535.
I hope to have this updated for you by early next week.
Best,
Giovanna

Giovanna DeLoca
Project Manager
USA Environmental

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From: Giovanna Deloca <giovanna.deloca@ALSGlobal.com>
Sent: Thursday, April 16, 2026 12:30 PM
To: Stephen Zeiner <szeiner@envstd.com>
Cc: Heather Paul <hpaul@envstd.com>; Aaron Sobel <AaronSobel@envstd.com>; Valerie Butterhof <vbutterhof@envstd.com>; Charney, Kris <kris.charney@terracon.com>; Koons, Andrew

<andrew.koons@terracon.com>
Subject: Re: [EXTERNAL] - RE: Requests for HPN Excavation SDGs 25H1532 and 25H1535

Steve,
No problem! Just want to update you, we will not be able to get this revised report and packages out by tomorrow.
I do not have a timeline at the moment for when but I will update you once I have one.
Best,
Giovanna

Giovanna DeLoca
Project Manager
USA Environmental

O: +1 203 325 1371 ext 810
giovanna.deloca@alsglobal.com

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Stratford, CT 06615

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From: Stephen Zeiner <szeiner@envstd.com>
Sent: Wednesday, April 15, 2026 11:09 AM
To: Giovanna Deloca <giovanna.deloca@ALSGlobal.com>
Cc: Heather Paul <hpaul@envstd.com>; Aaron Sobel <AaronSobel@envstd.com>; Valerie Butterhof

<vbutterhof@envstd.com>; Charney, Kris <kris.charney@terracon.com>; Koons, Andrew <andrew.koons@terracon.com>
Subject: RE: [EXTERNAL] - RE: Requests for HPN Excavation SDGs 25H1532 and 25H1535

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Giovanna,

Thank you for the information.

Regards – Steve

Stephen T. Zeiner, CEAC (Steve/he/him)

Principal Chemist

Environmental Standards, Inc.

(Montrose Environmental Group)

Valley Forge PA | US Eastern Time

Office: Direct 484.808.4386

Cell: 610-329-5552

szeiner@envstd.com | www.envstd.com | www.montrose-env.com

From: Giovanna Deloca <giovanna.deloca@ALSGlobal.com>
Sent: Wednesday, April 15, 2026 10:44 AM
To: Stephen Zeiner <szeiner@envstd.com>
Cc: Heather Paul <hpaul@envstd.com>; Aaron Sobel <AaronSobel@envstd.com>; Valerie Butterhof <vbutterhof@envstd.com>; Charney, Kris <kris.charney@terracon.com>; Koons, Andrew <andrew.koons@terracon.com>
Subject: Re: [EXTERNAL] - RE: Requests for HPN Excavation SDGs 25H1532 and 25H1535

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Good Morning Stephen,

Your email was received, we are working on getting you revised data packages as soon as we can. I requested Ean EOW due date as you requested and will keep you posted on when we can expect the revisions.

In the interim, to answer your first question, all 8260 Terrorcore kits are provided pre-preserved, low-level vials are preserved with DI, high level vial is preserved with MeOH. All terrorcore kit are frozen upon receipt.

The Chain of Custody for these projects did not have a fully filled out COC showing the preservation.

Best,

Giovanna

Giovanna DeLoca
Project Manager
USA Environmental

O: +1 203 325 1371 ext 810
giovanna.deloca@alsglobal.com

120 Research Drive
Stratford, CT 06615

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EnviroMail 39 USA- *Testing Volatile PFAS in Air by OTM-50 - Jan 2026*

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From: Stephen Zeiner <szeiner@envstd.com>
Sent: Tuesday, April 14, 2026 7:51 PM
To: Giovanna Deloca <giovanna.deloca@ALSGlobal.com>
Subject: [EXTERNAL] - RE: Requests for HPN Excavation SDGs 25H1532 and 25H1535

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Ms. DeLoca,

I miss typed your email address. Please see the request below.

Your attention to these requests is greatly appreciated.

Stephen T. Zeiner, CEAC (Steve/he/him)

Principal Chemist

Environmental Standards, Inc.

(Montrose Environmental Group)

Valley Forge PA | US Eastern Time

Office: Direct 484.808.4386

Cell: 610-329-5552

szeiner@envstd.com | www.envstd.com | www.montrose-env.com

From: Stephen Zeiner
Sent: Tuesday, April 14, 2026 5:15 PM
To: giovanna.deloca@alsglobal.com
Cc: Heather Paul <hpaul@envstd.com>; Aaron Sobel <AaronSobel@envstd.com>; Valerie Butterhof <vbutterhof@envstd.com>; Charney, Kris <kris.charney@terracon.com>; Koons, Andrew <andrew.koons@terracon.com>
Subject: RE: Requests for HPN Excavation SDGs 25H1532 and 25H1535

Ms. DeLoca,

Hope that all is well for you this Spring. Please confirm receipt of this email.

Terracon has retained Environmental Standards to perform data validation of the HPN site samples in SDGs 25H1532 and 25H1535.

The chemists noted that the data sets were missing some additional information.

1. What was the sample preservation for the soil VOCs in both SDGs? (Was sodium sulfate or freezing used for the low-level samples)
2. The calibration equations were not included for compounds that were calibrated with a model other than average RF in the VOC, SVOC, SVOC-SIM, pesticide, PFAS, and metals fractions of both SDGs, and the DRO fraction of SDG 25H1532. Please provide the calibration equations that were used.
3. For the PFAS fraction of SDG 25H1535, please provide the summary forms for the MS/MSD analyses.

4. In the reactive cyanide analysis of SDG 25H1532, please provide the known concentrations of the CCV samples associated with the sample analysis.

Can you provide the requested information? Can you provide revised data packages by 4/17?

If you have any questions, please contact me or Terracon.

Regards - Steve

Stephen T. Zeiner, CEAC (Steve/he/him)

Principal Chemist

Environmental Standards, Inc.

(Montrose Environmental Group)

Valley Forge PA | US Eastern Time

Office: Direct 484.808.4386

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From: Stephen Zeiner
Sent: Tuesday, April 14, 2026 3:29 PM
To: Koons, Andrew <andrew.koons@terracon.com>
Cc: Heather Paul <hpaul@envstd.com>; Aaron Sobel <AaronSobel@envstd.com>; Valerie Butterhof <vbutterhof@envstd.com>; Charney, Kris <kris.charney@terracon.com>
Subject: Requests for HPN Excavation SDGs 25H1532 and 25H1535

Andrew,

We are working through the revised data sets. The chemists noted that the data sets were missing some additional information.

1. What was the sample preservation for the soil VOCs in both SDGs? (Was sodium sulfate or freezing used for the low-level samples)
2. The calibration equations were not included for compounds that were calibrated with a model other than average RF in the VOC, SVOC, SVOC-SIM, pesticide, PFAS, and metals fractions of both SDGs, and the DRO fraction of SDG 25H1532. Please provide the calibration equations that were used.
3. For the PFAS fraction of SDG 25H1535, please provide the summary forms for the MS/MSD analyses.
4. In the reactive cyanide analysis of SDG 25H1532, please provide the known concentrations of the CCV samples associated with the sample analysis.

If requested, we can identify the limitations for the data validation report. Alternatively, the laboratory can be requested to provide the information. Please advise on how you would like to approach these issues.

Stephen T. Zeiner, CEAC (Steve/he/him)

Principal Chemist

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Reactive Cyanide

Instrument: SPEC A
Batch: BH52030
Analyst: LJM
Analyzed Date: 8/27/2025
Analyzed Time: 13:21

CCV True Value
0.05

SAMP	QC Source	ABS	DIL	PPM RAW	PPM FINAL	Recovery
BH52030-BLK1		0	1	0.003896909	0.003896909	
CCV		0.184	1	0.057020798	0.057020798	114
25H1509-03		0	1	0.003896909	0.003896909	
25H1509-06		0	1	0.003896909	0.003896909	
25H1532-01		0	1	0.003896909	0.003896909	
25H1547-01		0	1	0.003896909	0.003896909	
25H1557-06		0	1	0.003896909	0.003896909	
25H1692-02		0	1	0.003896909	0.003896909	
25H1692-04		0	1	0.003896909	0.003896909	
25H1699-01		0	1	0.003896909	0.003896909	
25H1760-01		0	1	0.003896909	0.003896909	
25H1764-01		0	1	0.003896909	0.003896909	
25H1764-03		0	1	0.003896909	0.003896909	
25H1764-05		0	1	0.003896909	0.003896909	
25H1764-07		0	1	0.003896909	0.003896909	
25H1768-03		0	1	0.003896909	0.003896909	
25H1780-03		0	1	0.003896909	0.003896909	
25H1780-06		0	1	0.003896909	0.003896909	
25H1780-09		0	1	0.003896909	0.003896909	
25H1780-12		0	1	0.003896909	0.003896909	
BH52030-DUP1	Duplicate 25H1780-12	0	1	0.003896909	0.003896909	
			1			
			1			
			1			
			1			
			1			
CCV		0.184	1	0.057020798	0.057020798	114

BH52030

QUALITY ASSURANCE REPORT

FOR THE HPN ENVIRONMENTAL MANAGEMENT HVAC UPGRADES - JA257025

SAMPLING REVIEW SOLID SAMPLES COLLECTED ON JULY 9, 2025

SAMPLE DELIVERY GROUP 480-231006-1

April 1, 2026

Prepared for:

TERRACON CONSULTANTS, INC.
2410 Walden Avenue, Suite 100
Buffalo, NY 14225

Prepared by:

ENVIRONMENTAL STANDARDS, INC.
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P.O. Box 810
Valley Forge, PA 19482-0810

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Section 1 **Quality Assurance Review**

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Section 5 **Project Correspondence**

INTRODUCTION

This QA review is based upon an examination of the data generated from the analyses of the 13 solid samples collected on July 9, 2025, at the HPN Environmental Management HVAC Upgrades – JA257025 site in White Plains, New York. These samples were collectively analyzed by Eurofins Environment Testing Northeast, LLC (Eurofins Buffalo) of Amherst, New York, and by Eurofins Lancaster Laboratories Environment Testing, LLC (Eurofins Lancaster) of Lancaster, Pennsylvania, for SVOCs by SW-846 Method 8270D; VOCs by SW-846 Method 8260C; herbicides by SW-846 Method 8151A; PCBs as Aroclors by SW-846 Method 8082A; organochlorine pesticides by SW-846 Method 8081B; metals by SW-846 Method 6010D; and mercury by SW-846 Method 7471B; and for PFAS by US EPA Method 1633A.

This review was performed in accordance with the above-referenced analytical methods. This review was performed with guidance from the National Functional Guidelines for Organic Superfund Methods Data Review (US EPA, 2020), the National Functional Guidelines for Inorganic Superfund Methods Data Review (US EPA, 2020); the National Functional Guidelines for High Resolution Superfund Methods Data Review (US EPA, 2020); “Data Validation Guidelines Module 6: Data Validation Procedure for Per- and Polyfluoroalkyl Substances Analysis by QSM Table B-24,” (U.S. Department of Defense, 2022); “Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS),” (New York State Department of Environmental Conservation [NYSDEC], April 2023); and “Final DER-10, Technical Guidance for Site Investigation and Remediation, Appendix 2B - Guidance for Data Deliverables and the Development of Data Usability Summary Reports,” (NYSDEC, May 2010). These validation guidance documents specifically address analyses performed in accordance with the CLP analytical methods and are not completely applicable to the type of analyses and analytical protocols performed for the SW-846 and US EPA methods utilized by the laboratory for these samples. Environmental Standards, Inc. (Environmental Standards) used professional judgment to determine the quality of the analytical results and compliance relative to the SW-846 and US EPA methods utilized by the laboratory.

Data were examined to determine the quality of the analytical results relative to the laboratory acceptance criteria and compliance relative to the requirements specified in the analytical methods. In addition, the deliverables were evaluated for completeness and correctness. Details of this QA review are presented in Section 1 of this report. The reported analytical results and any required data validation qualifications are presented on the qualified data tables in Section 3. The “Validator Qualifiers,” “Interpreted Qualifiers,” “Validated Y/N,” “Validation Level,” and “Result Comment” fields on the validated data summary tables have been updated to reflect all final data validation qualifiers and results. Validation qualifier codes have been placed in the “Validator Qualifiers” fields on the data tables to enable the data user to quickly assess the qualitative and/or quantitative reliability of a result based on the criteria evaluated during this QA review. Finally, the “Result Comment” field has been populated with codes that indicate the reason for the validation qualifiers. Definitions of the validation qualifiers and reason codes are presented in Section 2. The data reviewer has included copies of validation forms, QC summary forms, COC Record, laboratory Case Narrative, and other documentation needed to support the findings in this QA review in the Data Support Documentation sections (Section 4). The cover sheets for this section are checklists of the QC procedures required by the protocol and examined in this data review. The Project Correspondence is in Section 5.

The analytical results and associated laboratory QC samples were reviewed to determine the integrity of the reported analytical results and to ensure that the data met the established measurement quality objectives. This QA review includes all samples in Eurofins Buffalo Report Number 480-231006-1. These samples have undergone a Level 4 review.

TABLE 1

SAMPLES THAT HAVE UNDERGONE QUALITY ASSURANCE REVIEW

Sample Identification	Laboratory Sample Identification(s)	Laboratory Report Number	Matrix	Date Sample Collected	Parameter(s) Examined
SB1-12"-18"	480-231006-1	480-231006-1	Solid	7/9/25	PFAS, VOC
SB1-18"-30"	480-231006-2	480-231006-1	Solid	7/9/25	PFAS
SB1-12'-48"	480-231006-3	480-231006-1	Solid	7/9/25	PFAS, PCB, M, Hg, Pest, Herb, SVOC
SB1-7'-8'	480-231006-4	480-231006-1	Solid	7/9/25	PFAS, VOC
SB1-5'-8'	480-231006-5	480-231006-1	Solid	7/9/25	PFAS, VOC, PCB, M, Hg, Pest, Herb, SVOC
SB2-12"-18"	480-231006-7	480-231006-1	Solid	7/9/25	PFAS
SB2-12"-18" DUP (Field Duplicate of SB2-12"-18")	480-231006-8	480-231006-1	Solid	7/9/25	PFAS
SB2-4'	480-231006-9	480-231006-1	Solid	7/9/25	VOC
SB2-4' DUP (Field Duplicate of SB2-4')	480-231006-10	480-231006-1	Solid	7/9/25	VOC
SB2-24"-36"	480-231006-11	480-231006-1	Solid	7/9/25	PFAS
SB2-12"-5'	480-231006-12	480-231006-1	Solid	7/9/25	PFAS, PCB, M, Hg, Pest, Herb, SVOC
SB2-9'-10'	480-231006-13 480-231006-14	480-231006-1	Solid	7/9/25	PFAS VOC, PCB, M, Hg, Pest, Herb, SVOC

Parameters Examined:

SVOC - SVOCs by SW-846 Method 8270D. (4 sample analyses)
VOC - VOCs plus TICs by SW-846 Method 8260C. (6 sample analyses)
Herb - Herbicides by SW-846 Method 8151A. (4 sample analyses)
PCB - PCBs as Aroclors by SW-846 Method 8082A. (4 sample analyses)
Pest - Organochlorine Pesticides by SW-846 Method 8081B. (4 sample analyses)
PFAS - PFAS by US EPA Method 1633A. (10 sample analyses)
M - Total Metals by SW-846 Method 6010D. (4 sample analyses)
Hg - Total Mercury by SW-846 Method 7471B. (4 sample analyses)

SECTION 1 QUALITY ASSURANCE REVIEW

ITEMS REVIEWED

COC Record and Case Narrative	Sample Login
Holding Times	Sample Preservation
Sample Preparation	Blank Results
LCS Recoveries	MS/MSD Recoveries and Precision
Field Duplicate Precision	Instrument Calibration Results
Surrogate Recovery	Internal Standard Area Count/Recovery
Instrument Performance Checks	Serial Dilution Results
ICV and CCV Results	RL Standard
PDS Results	Percent Solids
Sample Quantitation	Analytical Sequence
Replicate Analysis Evaluation	Qualitative Evaluation
Results Reported Between the MDL and RL	Data Package Completeness

Based upon review of the data package provided, the following issues and data qualifiers are offered. Data quality issues represent an interpretation of the QC results obtained for the project samples. Quite often, data qualifications address issues relating to sample matrix problems. Similarly, the data validation guidelines routinely specify areas of the data that require qualification, yet the methods used for analysis may not require corrective action by the laboratory. Accordingly, the following issues should not be construed as an indication of laboratory performance.

COMMENTS

1. In the general chemistry fraction, the reported percent moisture information on the LECO form did not correspond to the reported values on the General Chemistry Batch Worksheet. Upon Environmental Standards' inquiry, the laboratory confirmed that the values reported on the Batch Worksheet were accurate and no edits were needed. Qualification due to this issue was not warranted.

2. In the PFAS fraction, the summary forms and raw data for CCV 410-675863/72 and CCB 410-675863/73 analyzed 7/25/2026, on instrument ID 30569, were not included in the original laboratory analytical report. Upon Environmental Standards' request, Eurofins Buffalo provided a revised analytical report with the requested summary forms and raw data included.

3. According to the Case Narrative, sample SB1-5'-8' was prepped via bulk container per the client's request as no Terra Core container was received by the laboratory. Qualification due to this issue is addressed in the section below.

4. The data reviewer noted a discrepancy between the relinquish time listed on page one, 7/10/25 at 12:30, and page two, 7/10/25 at 14:30, of the COC Record. Qualification due to this issue was not warranted.

5. According to the Sample Summary, all samples were received at the laboratory on 7/10/25, at 14:30. This time cannot be confirmed as the times received on the COC Record are illegible.

6. Samples SB1-12**’**-48”, SB2-4**’** DUP, and RINSATE were recorded on the COC Record as SB1-12**”**-48”, SB2-4, and RINS**E**ATE, respectively. The samples were logged in as SB1-12’-48”, SB2-4’ DUP, and RINSATE, respectively, and are consistent throughout the rest of the analytical laboratory report and the EDD. Qualification due to this issue was not warranted.

7. In the SVOC, herbicides, and mercury fractions, an LCSD, MSD, or laboratory duplicate were not analyzed; therefore, precision could not be evaluated for these analyses.

8. In the pesticides fraction, the MS/MSD pair was run at a dilution, which led to the spike amount being less than the RL. For this reason, matrix interference could not be evaluated. Qualification due to this issue was not warranted.

9. Two field duplicate pairs (sample SB2-12"-18" and its duplicate, sample SB2-12"-18" DUP; as well as sample SB2-4' and its duplicate, sample SB2-4' DUP) were collected and analyzed with this data set. Acceptable precision and sample representativeness were observed.

QUALIFICATION

With respect to data quality, the principal areas of concern are an improper sample container, out-of-criteria MS/MSD percent recoveries, high SD %D, high initial calibration RSD, high surrogate recovery, high CCV %Ds, and results reported below the RL. Based on a review of the data provided, the following data qualifiers are offered. The following data quality issues represent an interpretation of the QC results obtained for the project samples. Accordingly, the following data quality issues should not necessarily be construed as an indication of laboratory performance.

- The MDLs and RLs for all VOCs in sample SB1-5’-8’ may be higher than reported, and the “not-detected” results have been flagged “UJ” on the data tables. According to the Case Narrative, sample SB1-5’-8’ was prepped for analysis by Method 8260C via a bulk container per the client’s request as Terra Core containers were not received by the laboratory. (Reason Code: OT)

- The reported positive results for methyl acetate in sample SB1-7'-8' should be considered estimated and has been flagged “J+” (unless otherwise flagged “J”) on the data tables. High recoveries (> upper laboratory acceptance limit) were observed in the associated MS/MSD analyses. (Reason Code: MS+)

- The reported positive results for calcium and magnesium in all samples should be considered estimated and have been flagged “J+” on the data tables. High recoveries (> 125%) were observed in the associated MSD analysis. (Reason Code: MS+)

- The MDLs and RLs for antimony in all samples may be higher than reported, and the "not-detected" results have been flagged "UJ" on the data tables. Low recoveries (< 75%) were observed in the associated MS/MSD analyses. (Reason Code: MS-)

- The reported positive results for iron in all samples should be considered estimated and have been flagged "J" on the data tables. A large discrepancy (%D > 10% when the initial result was > 50× the MDL) was observed in the associated SD analysis. (Reason Code: SD)

- The reported positive results for iron in all samples should be considered estimated and have been flagged "J" on the data tables. A large discrepancy (RSD > 20%) was observed in the replicate exposures of an associated initial calibration standard for iron. (Reason Code: IC)

- The reported positive result for 4,4'-DDT in sample SB1-5'-8' should be considered estimated and has been flagged "J+" (unless otherwise flagged "J") on the data tables. A high surrogate recovery was observed in the analysis of this sample. (Reason Code: SR+)

- The MDLs and RLs for PCB-1260 and PCB-1254 in sample SB1-12'-48" may be higher than reported, and the "not-detected" results have been flagged "UJ" on the data tables. Low percent recoveries (< laboratory limit) were observed in the associated MS/MSD analyses. (Reason Code: MS-)

- The MDLs and RLs for PCB-1260 and PCB-1254 in all samples may be higher than reported, and the "not-detected" results have been flagged "UJ" on the data tables. High %Ds (> 20%) coupled with a sensitivity decrease were observed in an associated CCV analysis. (Reason Code: CV-)

- The MDLs and RLs for 1,2-dibromo-3-chloropropane; bromodichloromethane; bromoform; and dibromochloromethane in all samples may be higher than reported, and the "not-detected" results have been flagged "UJ" on the data tables. High %Ds (> 20%) coupled with a sensitivity decrease were observed in an associated CCV analysis. (Reason Code: CV-)

- The MDLs and RLs for hexachlorocyclopentadiene in all samples may be higher than reported, and the "not-detected" results have been flagged "UJ" on the data tables. A high percent drift (> 20%) coupled with a sensitivity decrease was observed in an associated CCV. (Reason Code: CV-)

- All positive results reported between the MDL and RL should be considered estimated and have been flagged "J" on the data tables. (Reason Code: RL)

- When sample results were qualified both as estimated with a direction of bias ("J+" or "J-") and as estimated with unknown bias ("J") or the opposite bias, only the unknown bias qualifier has been included in the EDD and on the data tables.

This QA review has identified several aspects of the data that required qualification. In order to use any of the data, the data user should understand the qualifications and limitations specified in this QA review.

SIGNATURES

Validation performed by: 4/1/2026

Sophie M. Collet — Date
Quality Assurance Chemist

Validation performed by: 4/1/2026

Valerie J. Butterhof — Date
Quality Assurance Chemist

Validation reviewed by: 4/1/2026

Heather S. Paul, M.S. — Date
Project Quality Assurance Chemist

Report approved by: 4/1/2026

Stephen T. Zeiner, CEAC — Date
Principal Chemist/Project Manager

SECTION 2

DATA QUALIFIERS, REASON CODES, AND ACRONYMS AND ABBREVIATIONS

DATA QUALIFIERS

U The analyte was not detected above the associated reporting limit.

UB The analyte should be considered “not-detected” because it was observed in an associated laboratory or field blank at a similar level. The analyte was positively identified; the associated numerical value represents the concentration reported by the laboratory but may be impacted by contamination.

UJ The analyte was not detected above the reported sample quantitation limit; however, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+ The result is an estimated quantity and should be considered biased high.

J- The result is an estimated quantity and should be considered biased low.

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification.”

NJ The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.

R The analyte was reported as detected, but sample results are unreliable due to serious analytical deficiencies. The presence or absence of the analyte cannot be verified.

UR The analyte was reported as not detected, but the determination that the analyte was not present in the sample is unreliable due to serious analytical deficiencies. The presence or absence of the analyte cannot be verified.

REASON CODES AND EXPLANATIONS

Reason Code[1]	Description
[1] For any Reason Code that does not indicate that the potential bias is indeterminate, the "+" or "-" reason code is appended to the qualification reason code in order to indicate a direction of bias	
+	The associated quality control item indicates a potential high bias in the sample result
-	The associated quality control item indicates a potential low bias in the sample result
AST	Compound not quantitated against an authentic standard; potential bias indeterminate
BF	Contamination present in a field blank (*e.g.*, Field Blank, Equipment Blank, *etc.*); evaluation criteria exceeded
BL	Contamination present in a laboratory blank (*e.g.*, Method Blank, Instrument Blank, *etc.*); evaluation criteria exceeded
BN	Elevated detection limit or estimated result due to negative instrument drift (*e.g.*, negative instrument blank result with an absolute value > 2× the method detection limit)
BT	Contamination present in the Trip Blank; evaluation criteria exceeded
CC	Possible contamination due to carryover from a previous sample
CR	Calculated result in which one or more of the components has been qualified
CRQ	Calculated result flagged due to reporting protocol
CT	Cooler temperature criteria not met
CV	Continuing calibration verification evaluation criteria not met
CY	Chemical Yield recovery criteria not met
DI	Detector instability (radionuclide chemistry); potential bias indeterminate
EC	Result exceeds the calibration range; potential bias indeterminate
EP	Estimated Maximum Possible Concentration (EMPC)
FD	Field duplicate imprecision; potential bias indeterminate
FP	Target compound identification criteria not met; potential false positive
GH	Headspace present in the gamma spectrometer sample analysis vessel; potential bias indeterminate
GS	Low sample density in the gamma spectrometer sample analysis vessel; potential bias indeterminate
HT	Holding time exceeded
HV	Headspace present in volatile vials
IC	Initial calibration evaluation criteria not met
IN	Interference (*e.g.*, laboratory, chemical, chromatographic/instrumental, and/or matrix) present in the analysis

Reason Code[1]	Description
IR	Interference check standard evaluation criteria not met
IS	Internal standard evaluation criteria not met
LB	Composition (linear/branched) of the PFAS analyte in the sample is significantly different than the composition (linear/branched) of the PFAS analyte in the calibration standards used for quantitation, potential bias indeterminate
LC	Laboratory control sample/laboratory control sample duplicate recovery criteria not met
LCP	Laboratory control sample/laboratory control sample duplicate precision criteria not met; potential bias indeterminate
LD	Laboratory duplicate precision criteria not met; potential bias indeterminate
LM	The lock mass selected ion current profiles indicate that ion suppression is evident
LR	Linear range exceeded; potential bias indeterminate
MDP	Laboratory deviated from the method for a method-defined parameter, based on regulatory requirements
MS	Matrix spike/matrix spike duplicate recovery criteria not met
MSP	Matrix spike/matrix spike duplicate precision criteria not met; potential bias indeterminate
NQC	Absence of supporting quality control samples
PD	Post-digestion spike recovery criteria not met
OT	Other deficiencies, see validation report for additional details
PM	Performance evaluation mixture criteria not met
PS	Low percent solids; potential bias indeterminate
PT	Chromatographic pattern in sample does not match pattern of calibration standard
QCI	Quantitation/confirmation ion ratios in sample are inconsistent with reference spectra; potential bias indeterminate
QCP	Quantitation/qualification ion transition ratio did not meet criteria; potential bias indeterminate
RA	Replicate/multiple analyses criteria not met; potential bias indeterminate
RM	Reference material recovery criteria not met
RL	The analysis meets all qualitative identification criteria, but the measured concentration is between the method detection limit and the quantitation or reporting limit; potential bias indeterminate
RS	Reporting limit standard(s) outside of acceptance limits
SA	Method of standard additions criteria not met; potential bias indeterminate
SC	Relative percent difference between two columns exceeds criteria; potential bias indeterminate

Reason Code[1]	Description
SCC	Second column confirmation was not performed as required by the analysis method
SCT	Sample counting time error (radionuclide chemistry); potential bias indeterminate
SD	Serial dilution results did not meet evaluation criteria
SP	Sample preservation criteria not met
SR	Surrogate recovery criteria not met
SS	Second source calibration verification/initial calibration verification criteria not met
ST	Sample container type incorrect
SU	Sample result is less than the two-sigma uncertainty
SUN	Absolute value of the negative sample result is greater than the two-sigma uncertainty
SW	Sample switch suspected
TD	Result for dissolved constituent significantly exceeded result for total constituent; potential bias indeterminate
TIC	Tentatively identified compound, quantified using an assumed calibration factor; potential bias indeterminate
TID	Tentatively identified compound; results reported as identified by the laboratory – identifications not verified
TIR	Tentatively identified compound; observed in an associated laboratory, equipment, field, or trip blank.
TN	Instrument tune criteria not met
Y	Potential bias due to the y-intercept in the calibration curve significantly affecting the analyte response

ACRONYMS AND ABBREVIATIONS

Acronym/ Abbreviation	Description
ADEC	Alaska Department of Environmental Conservation
AES	Atomic Emission Spectrometry
Aq	Aqueous
ASTM	American Society for Testing and Materials
BEX	Benzene, Ethylbenzene, and Xylene
BFB	Bromofluorobenzene
BOD	Biochemical Oxygen Demand
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
°C	Celsius (degree)
$CaCO_3$	Calcium Carbonate
CAS #	Chemical Abstract Service Number(s)
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCC	Calibration Check Compound
CCV	Continuing Calibration Verification
CEAC	Certified Environmental Analytical Chemist
CF	Calibration Factor
CFR	Code of Federal Regulations
CLP	Contract Laboratory Program
COA	Certificate of Analysis
COC	Chain-of-Custody
COD	Chemical Oxygen Demand
CoD	Coefficient of Determination
CRDL	Contract-Required Detection Limit
CRQL	Contract-Required Quantitation Limit
CVAA	Cold Vapor Atomic Absorption
%D	Percent Difference
DAI	Direct Aqueous Injection

Acronym/ Abbreviation	Description
DCS	Detectability Check Sample
DF	Dilution Factor
DFTPP	Decafluorotriphenylphosphine
DO	Dissolved Oxygen
DOC	Dissolved Organic Carbon
DOD	Department of Defense
DOE	Department of Energy
DQO	Data Quality Objective
DRO	Diesel Range Organic
DUP	Sample Duplicate
DVM	Data Verification Module
E. coli	*Escherichia* coli
ECD	Electron Capture Detector
EDB	Ethylene Dibromide
EDD	Electronic Data Deliverable
EDL	Estimated Detection Limit
EICP	Extracted Ion Current Profile
EIS	Extracted Internal Standard
EML	Environmental Measurements Laboratory
EMPC	Estimated Maximum Possible Concentration
°F	Fahrenheit (degree)
FID	Flame Ionization Detector
FWHM	Full Width Half Maximum
GAC	Granular Activated Carbon
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
GPC	Gel Permeation Chromatography
GRO	Gasoline Range Organic
GW	Groundwater
HASL	Health and Safety Laboratory

Acronym/ Abbreviation	Description
HCl	Hydrochloric Acid
HDPE	High Density Polyethylene
HEM	Hexane Extractable Material
HPLC	High Performance Liquid Chromatography
HPLC/UV	High Performance Liquid Chromatography/Ultraviolet
HRGC/HRMS	High Resolution Gas Chromatography/High Resolution Mass Spectrometry
IC	Ion Chromatography
ICAL	Initial Calibration
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma
ICP/AES	Inductively Coupled Plasma/Atomic Emission Spectrometry
ICP/MS	Inductively Coupled Plasma/Mass Spectrometry
ICS	Interference Check Sample
ICSA	Interference Check Sample [A]
ICSAB	Interference Check Sample [A & B]
ICV	Initial Calibration Verification
ID	Identification
IDL	Instrument Detection Limit
KD	Kuderna-Danish Concentrator
LC	Liquid Chromatography
LC/MS	Liquid Chromatography/Mass Spectrometry
LC/MS/MS	Liquid Chromatography/Tandem Mass Spectrometry
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LIMS	Laboratory Information Management System
LLE	Liquid-Liquid Extraction
LOD	Limit of Detection
LOQ	Limit of Quantitation
M.S.	Master of Science
MARLAP	Multi-Agency Radiological Laboratory Analytical Protocols

Acronym/ Abbreviation	Description
MB	Method Blank
MBAS	Methylene Blue Active Substances
MCAWW	Method for Chemical Analysis of Water and Wastes
MDA	Minimum Detectable Activity
MDC	Minimum Detectable Concentration
MDL	Method Detection Limit
MF	Membrane Filter
mg/L	Milligrams per Liter
MRL	Method Reporting Limit
MS	Mass Spectrometry/Matrix Spike
MS/MS	Tandem Mass Spectrometry
MS/MSD	Matrix Spike/Matrix Spike Duplicate
MSA	Method of Standards Addition
MSI	Matrix Spike Insoluble
MTBE	Methyl *Tertiary* Butyl Ether
MTF	Multiple-Tube Fermentation
N	Nitrogen
ND	Not Detected (at or above the detection limit) or “Not-Detected”
NJDEP	New Jersey Department of Environmental Protection
NIS	Injection Internal Standard
NORM	Naturally Occurring Radioactive Material(s)
NYSDEC	New York State Department of Environmental Conservation
ORP	Oxidation Reduction Potential
P.G.	Professional Geologist/Geoscientist
PA DEP	Pennsylvania Department of Environmental Protection
PAH	Polycyclic/Polynuclear Aromatic Hydrocarbon (or Polyaromatic)
PCB	Polychlorinated Biphenyl
PCDD	Polychlorinated Dibenzo-*p*-Dioxin
PCDF	Polychlorinated Dibenzofuran
PDS	Post-digestion Spike

Acronym/ Abbreviation	Description
PFAS	Perfluorinated and Polyfluorinated Alkyl Substances
Ph.D.	Doctor or holds a Doctorate Degree
PM	Project Manager
PMP	Project Management Professional
ppb	parts per billion
ppm	parts per million
ppt	parts per trillion
PQL	Practical Quantitation Limit
PRDL	Project-Required Detection Limit
PRQL	Project-Required Quantitation Limit
PRRL	Project-Required Reporting Limit
PVC	Polyvinyl Chloride
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QC	Quality Control
RER	Replicate Error Ratio
RF	Response Factor
RL	Reporting Limit
RPD	Relative Percent Difference
RRF	Relative Response Factor
RRO	Residual Range Organic
RRT	Relative Retention Time
RSD	Relative Standard Deviation
RT	Retention Time
S/N	Signal-to-Noise
SAP	Sampling and Analysis Plan
SCUR	Sample Conditions Upon Receipt
SDG	Sample Delivery Group
Sed	Sediment
SGC	Silica Gel Cleanup

Acronym/ Abbreviation	Description
SGT	Silica Gel Treatment
SICP	Selected Ion Current Profile
SIM	Selective Ion Monitoring
SM	Standard Methods for the Analysis of Water and Wastewater
SOP	Standard Operating Procedure
SOW	Statement of Work
SPCC	System Performance Check Compound
SU	Standard Units
SVOC	Semivolatile Organic Compound
SW	Surface Water
SW-846	Test Methods for Evaluating Solid Waste Physical/Chemical Method
TBA	*Tert*-butyl Acetate
TCDD	Dioxin (Tetrachlorodibenzo-*p*-dioxin)
TCDF	Tetrachlorodi-benzofurans
TCE	Trichloroethylene
TCEQ	Texas Commission on Environmental Quality
TCLP	Toxicity Characteristic Leaching Procedure
TCP	Trichloropropane
TDS	Total Dissolved Solids
TENORM	Technologically Enhanced Naturally Occurring Radioactive Material(s)
TIC	Tentatively Identified Compound
TKN	Total Kjeldahl Nitrogen
TOC	Total Organic Carbon
TOD	Total Oxygen Demand
TOX	Total Organic Halogen/Total Organic Halides
TPH	Total Petroleum Hydrocarbon
TSM	Technical Specifications Manual
TSS	Total Suspended Solids
µg/L	Micrograms per Liter
UCL	Upper Control Limit
US	United States

Acronym/ Abbreviation	Description
USACE	United States Army Corps of Engineers
US EPA	United States Environmental Protection Agency
VA DEQ	Virginia Department of Environmental Quality
VOC	Volatile Organic Compound
VPH	Volatile Petroleum Hydrocarbon
VTSR	Validated Time of Sample Receipt
WET	Whole Effluent Toxicity
WO	Work Order(s)
WP	Work Plan
ZHE	Zero Headspace Extraction/Extractor

SECTION 3

ANALYTICAL RESULTS

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
SB1-12"-18"-20250709	E1633	1	480-231006-1	11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID		TRG	Yes	N	U		U	Y	0.076	0.19	0.076	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)		TRG	Yes	N	U		U	Y	0.12	0.38	0.12	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		TRG	Yes	N	U		U	Y	0.096	0.38	0.096	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)		TRG	Yes	N	U		U	Y	0.12	0.38	0.12	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol		TRG	Yes	N	U		U	Y	0.29	0.96	0.29	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol		TRG	Yes	N	U		U	Y	0.29	0.96	0.29	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	2-(N-methyl perfluorooctanesulfonamido) acetic acid		TRG	Yes	N	U		U	Y	0.076	0.19	0.076	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.48	0.96	0.48	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	3-Perfluoroheptyl propanoic acid		TRG	Yes	N	U		U	Y	0.38	0.96	0.38	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	3-Perfluoropropyl propanoic acid		TRG	Yes	N	U		U	Y	0.19	0.38	0.19	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID		TRG	Yes	N	U		U	Y	0.086	0.19	0.086	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	N-ethyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	Y	0.096	0.19	0.096	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine		TRG	Yes	N	U		U	Y	0.11	0.19	0.11	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	N-methyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	Y	0.086	0.19	0.086	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	Nonafluoro-3,6-dioxaheptanoic acid		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	Perfluoro(2-ethoxyethane)sulfonic acid		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	PERFLUORO(2-PROPOXYPROPANOIC) ACID		TRG	Yes	N	U		U	Y	0.11	0.19	0.11	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	Perfluoro-3-methoxypropanoic acid		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	Perfluoro-4-methoxybutanoic acid		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	PERFLUOROBUTANESULFONIC ACID		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.12	0.38	0.12	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	PERFLUORODECANE SULFONIC ACID		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	PERFLUORODECANOIC ACID (PFDA)		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	Perfluorododecane sulfonate (PFDoDS)		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	PERFLUORODODECANOIC ACID (PFDoA)		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	PERFLUOROHEPTANE SULFONATE (PFHpS)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	Perfluoroheptanoic Acid (PFHpA)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	PERFLUOROHEXANESULFONIC ACID		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	PERFLUOROHEXANOIC ACID (PFHxA)		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	Perfluorononanesulfonic Acid (Pfns)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	PERFLUORONONANOIC ACID		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	Perfluorooctane Sulfonamide (FOSA)		TRG	Yes	N	U		U	Y	0.086	0.19	0.086	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	PERFLUOROOCTANE SULFONIC ACID		TRG	Yes	N	U		U	Y	0.11	0.19	0.11	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	Perfluorooctanoic acid (PFOA)		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	Perfluoropentanesulfonic Acid (Pfpes)		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	PERFLUOROPENTANOIC ACID (PFPeA)		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	PERFLUOROTETRADECANOIC ACID (PFTeA)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	PERFLUOROTRIDECANOIC ACID (PFTriA)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-12"-18"-20250709	E1633	1	480-231006-1	PERFLUOROUNDECANOIC ACID (PFUnA)		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	1,1,1-TRICHLOROETHANE		TRG	Yes	N	U		U	Y	11	41	11	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	1,1,2,2-TETRACHLOROETHANE		TRG	Yes	N	U		U	Y	6.7	41	6.7	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE		TRG	Yes	N	U		U	Y	21	41	21	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	1,1,2-TRICHLOROETHANE		TRG	Yes	N	U		U	Y	8.6	41	8.6	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	1,1-DICHLOROETHANE		TRG	Yes	N	U		U	Y	13	41	13	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	1,1-DICHLOROETHENE		TRG	Yes	N	U		U	Y	14	41	14	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	1,2,4-TRICHLOROBENZENE		TRG	Yes	N	U		U	Y	16	41	16	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	1,2-DIBROMO-3-CHLOROPROPANE		TRG	Yes	N	U	UJ	UJ	Y	21	41	21	ug/kg	Level 4	CV-
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)		TRG	Yes	N	U		U	Y	7.2	41	7.2	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	1,2-DICHLOROBENZENE		TRG	Yes	N	U		U	Y	10	41	10	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	1,2-DICHLOROETHANE		TRG	Yes	N	U		U	Y	17	41	17	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	1,2-DICHLOROPROPANE		TRG	Yes	N	U		U	Y	6.7	41	6.7	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	1,3-DICHLOROBENZENE		TRG	Yes	N	U		U	Y	11	41	11	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	1,4-DICHLOROBENZENE		TRG	Yes	N	U		U	Y	5.8	41	5.8	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	2-HEXANONE		TRG	Yes	N	U		U	Y	84	210	84	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	ACETONE		TRG	Yes	N	U		U	Y	170	210	170	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	BENZENE		TRG	Yes	N	U		U	Y	7.8	41	7.8	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	BROMODICHLOROMETHANE		TRG	Yes	N	U	UJ	UJ	Y	8.2	41	8.2	ug/kg	Level 4	CV-
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	BROMOFORM		TRG	Yes	N	U	UJ	UJ	Y	21	41	21	ug/kg	Level 4	CV-

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	BROMOMETHANE		TRG	Yes	N	U		U	Y	9.1	41	9.1	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	CARBON DISULFIDE		TRG	Yes	N	U		U	Y	19	41	19	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	CARBON TETRACHLORIDE		TRG	Yes	N	U		U	Y	10	41	10	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	CHLOROBENZENE		TRG	Yes	N	U		U	Y	5.4	41	5.4	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	CHLOROETHANE		TRG	Yes	N	U		U	Y	8.6	41	8.6	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	CHLOROFORM		TRG	Yes	N	U		U	Y	28	41	28	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	CHLOROMETHANE		TRG	Yes	N	U		U	Y	9.8	41	9.8	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	Cis-1,2-Dichloroethylene		TRG	Yes	N	U		U	Y	11	41	11	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	CIS-1,3-DICHLOROPROPENE		TRG	Yes	N	U		U	Y	9.8	41	9.8	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	CYCLOHEXANE		TRG	Yes	N	U		U	Y	9.1	41	9.1	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	DIBROMOCHLOROMETHANE		TRG	Yes	N	U	UJ	UJ	Y	20	41	20	ug/kg	Level 4	CV-
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	DICHLORODIFLUOROMETHANE		TRG	Yes	N	U		U	Y	18	41	18	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	ETHYLBENZENE		TRG	Yes	N	U		U	Y	12	41	12	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	Isopropylbenzene (Cumene)		TRG	Yes	N	U		U	Y	6.2	41	6.2	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	METHYL ACETATE		TRG	Yes	N	U		U	Y	20	210	20	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	METHYL ETHYL KETONE (2-BUTANONE)		TRG	Yes	N	U		U	Y	120	210	120	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)		TRG	Yes	N	U		U	Y	13	210	13	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	METHYLCYCLOHEXANE		TRG	Yes	N	U		U	Y	19	41	19	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	METHYLENE CHLORIDE		TRG	Yes	N	U		U	Y	8.1	41	8.1	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	STYRENE		TRG	Yes	N	U		U	Y	9.9	41	9.9	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	TERT-BUTYL METHYL ETHER		TRG	Yes	N	U		U	Y	16	41	16	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	TETRACHLOROETHYLENE(PCE)		TRG	Yes	N	U		U	Y	5.5	41	5.5	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	TOLUENE		TRG	Yes	N	U		U	Y	11	41	11	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	TRANS-1,2-DICHLOROETHENE		TRG	Yes	N	U		U	Y	9.7	41	9.7	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	TRANS-1,3-DICHLOROPROPENE		TRG	Yes	N	U		U	Y	4.0	41	4.0	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	TRICHLOROETHYLENE (TCE)		TRG	Yes	N	U		U	Y	11	41	11	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	TRICHLOROFLUOROMETHANE		TRG	Yes	N	U		U	Y	19	41	19	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	VINYL CHLORIDE		TRG	Yes	N	U		U	Y	14	41	14	ug/kg	Level 4	
SB1-12"-18"-20250709	SW8260C	1	480-231006-1	Xylenes		TRG	Yes	N	U		U	Y	23	82	23	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	1,1,1-TRICHLOROETHANE		TRG	Yes	N	U		U	Y	17	61	17	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	1,1,2,2-TETRACHLOROETHANE		TRG	Yes	N	U		U	Y	9.9	61	9.9	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE		TRG	Yes	N	U		U	Y	30	61	30	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	1,1,2-TRICHLOROETHANE		TRG	Yes	N	U		U	Y	13	61	13	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	1,1-DICHLOROETHANE		TRG	Yes	N	U		U	Y	19	61	19	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	1,1-DICHLOROETHENE		TRG	Yes	N	U		U	Y	21	61	21	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	1,2,4-TRICHLOROBENZENE		TRG	Yes	N	U		U	Y	23	61	23	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	1,2-DIBROMO-3-CHLOROPROPANE		TRG	Yes	N	U	UJ	UJ	Y	30	61	30	ug/kg	Level 4	CV-
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)		TRG	Yes	N	U		U	Y	11	61	11	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	1,2-DICHLOROBENZENE		TRG	Yes	N	U		U	Y	16	61	16	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	1,2-DICHLOROETHANE		TRG	Yes	N	U		U	Y	25	61	25	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	1,2-DICHLOROPROPANE		TRG	Yes	N	U		U	Y	9.9	61	9.9	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	1,3-DICHLOROBENZENE		TRG	Yes	N	U		U	Y	16	61	16	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	1,4-DICHLOROBENZENE		TRG	Yes	N	U		U	Y	8.5	61	8.5	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	2-HEXANONE		TRG	Yes	N	U		U	Y	120	300	120	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	ACETONE		TRG	Yes	N	U		U	Y	250	300	250	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	BENZENE		TRG	Yes	N	U		U	Y	12	61	12	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	BROMODICHLOROMETHANE		TRG	Yes	N	U	UJ	UJ	Y	12	61	12	ug/kg	Level 4	CV-
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	BROMOFORM		TRG	Yes	N	U	UJ	UJ	Y	30	61	30	ug/kg	Level 4	CV-
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	BROMOMETHANE		TRG	Yes	N	U		U	Y	13	61	13	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	CARBON DISULFIDE		TRG	Yes	N	U		U	Y	28	61	28	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	CARBON TETRACHLORIDE		TRG	Yes	N	U		U	Y	16	61	16	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	CHLOROBENZENE		TRG	Yes	N	U		U	Y	8.0	61	8.0	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	CHLOROETHANE		TRG	Yes	N	U		U	Y	13	61	13	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	CHLOROFORM		TRG	Yes	N	U		U	Y	42	61	42	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	CHLOROMETHANE		TRG	Yes	N	U		U	Y	14	61	14	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	Cis-1,2-Dichloroethylene		TRG	Yes	N	U		U	Y	17	61	17	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	CIS-1,3-DICHLOROPROPENE		TRG	Yes	N	U		U	Y	15	61	15	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	CYCLOHEXANE		TRG	Yes	N	U		U	Y	14	61	14	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	DIBROMOCHLOROMETHANE		TRG	Yes	N	U	UJ	UJ	Y	29	61	29	ug/kg	Level 4	CV-

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	DICHLORODIFLUOROMETHANE		TRG	Yes	N	U		U	Y	27	61	27	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	ETHYLBENZENE		TRG	Yes	N	U		U	Y	18	61	18	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	Isopropylbenzene (Cumene)		TRG	Yes	N	U		U	Y	9.1	61	9.1	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	METHYL ACETATE	420	TRG	Yes	Y				Y	29	300	300	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	METHYL ETHYL KETONE (2-BUTANONE)		TRG	Yes	N	U		U	Y	180	300	180	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)		TRG	Yes	N	U		U	Y	19	300	19	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	METHYLCYCLOHEXANE		TRG	Yes	N	U		U	Y	28	61	28	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	METHYLENE CHLORIDE		TRG	Yes	N	U		U	Y	12	61	12	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	STYRENE		TRG	Yes	N	U		U	Y	15	61	15	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	TERT-BUTYL METHYL ETHER		TRG	Yes	N	U		U	Y	23	61	23	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	TETRACHLOROETHYLENE(PCE)		TRG	Yes	N	U		U	Y	8.2	61	8.2	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	TOLUENE	55	TRG	Yes	Y	J	J	J	Y	16	61	61	ug/kg	Level 4	RL
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	TRANS-1,2-DICHLOROETHENE		TRG	Yes	N	U		U	Y	14	61	14	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	TRANS-1,3-DICHLOROPROPENE		TRG	Yes	N	U		U	Y	6.0	61	6.0	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	TRICHLOROETHYLENE (TCE)		TRG	Yes	N	U		U	Y	17	61	17	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	TRICHLOROFLUOROMETHANE		TRG	Yes	N	U		U	Y	29	61	29	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	VINYL CHLORIDE		TRG	Yes	N	U		U	Y	20	61	20	ug/kg	Level 4	
SB2-4' DUP-20250709	SW8260C	1	480-231006-10	Xylenes	57	TRG	Yes	Y	J	J	J	Y	34	120	120	ug/kg	Level 4	RL
SB2-24"-36"-20250709	E1633	1	480-231006-11	11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID		TRG	Yes	N	U		U	Y	0.080	0.20	0.080	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)		TRG	Yes	N	U		U	Y	0.13	0.40	0.13	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		TRG	Yes	N	U		U	Y	0.10	0.40	0.10	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)		TRG	Yes	N	U		U	Y	0.13	0.40	0.13	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol		TRG	Yes	N	U		U	Y	0.30	1.0	0.30	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol		TRG	Yes	N	U		U	Y	0.30	1.0	0.30	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	2-(N-methyl perfluorooctanesulfonamido) acetic acid		TRG	Yes	N	U		U	Y	0.080	0.20	0.080	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.50	1.0	0.50	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	3-Perfluoroheptyl propanoic acid		TRG	Yes	N	U		U	Y	0.40	1.0	0.40	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	3-Perfluoropropyl propanoic acid		TRG	Yes	N	U		U	Y	0.20	0.40	0.20	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID		TRG	Yes	N	U		U	Y	0.090	0.20	0.090	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	N-ethyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	Y	0.10	0.20	0.10	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine		TRG	Yes	N	U		U	Y	0.11	0.20	0.11	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	N-methyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	Y	0.090	0.20	0.090	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	Nonafluoro-3,6-dioxaheptanoic acid		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	Perfluoro(2-ethoxyethane)sulfonic acid		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	PERFLUORO(2-PROPOXYPROPANOIC) ACID		TRG	Yes	N	U		U	Y	0.11	0.20	0.11	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	Perfluoro-3-methoxypropanoic acid		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	Perfluoro-4-methoxybutanoic acid		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	PERFLUOROBUTANESULFONIC ACID		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.13	0.40	0.13	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	PERFLUORODECANE SULFONIC ACID		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	PERFLUORODECANOIC ACID (PFDA)		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	Perfluorododecane sulfonate (PFDoDS)		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	PERFLUORODODECANOIC ACID (PFDoA)		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	PERFLUOROHEPTANE SULFONATE (PFHpS)		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	Perfluoroheptanoic Acid (PFHpA)		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	PERFLUOROHEXANESULFONIC ACID	0.074	TRG	Yes	Y	J	J	J	Y	0.050	0.20	0.20	ng/g	Level 4	RL
SB2-24"-36"-20250709	E1633	1	480-231006-11	PERFLUOROHEXANOIC ACID (PFHxA)		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	Perfluorononanesulfonic Acid (Pfns)		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	PERFLUORONONANOIC ACID		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	Perfluorooctane Sulfonamide (FOSA)		TRG	Yes	N	U		U	Y	0.090	0.20	0.090	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	PERFLUOROOCTANE SULFONIC ACID	0.40	TRG	Yes	Y				Y	0.11	0.20	0.20	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	Perfluorooctanoic acid (PFOA)		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	Perfluoropentanesulfonic Acid (Pfpes)		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	PERFLUOROPENTANOIC ACID (PFPeA)		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	PERFLUOROTETRADECANOIC ACID (PFTeA)		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	PERFLUOROTRIDECANOIC ACID (PFTriA)		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB2-24"-36"-20250709	E1633	1	480-231006-11	PERFLUOROUNDECANOIC ACID (PFUnA)		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID		TRG	Yes	N	U		U	Y	0.079	0.20	0.079	ng/g	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
SB2-12"-5'-20250709	E1633	1	480-231006-12	1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)		TRG	Yes	N	U		U	Y	0.13	0.39	0.13	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		TRG	Yes	N	U		U	Y	0.098	0.39	0.098	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)		TRG	Yes	N	U		U	Y	0.13	0.39	0.13	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	0.33	TRG	Yes	Y	J	J	J	Y	0.29	0.98	0.98	ng/g	Level 4	RL
SB2-12"-5'-20250709	E1633	1	480-231006-12	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	0.35	TRG	Yes	Y	J	J	J	Y	0.29	0.98	0.98	ng/g	Level 4	RL
SB2-12"-5'-20250709	E1633	1	480-231006-12	2-(N-methyl perfluorooctanesulfonamido) acetic acid		TRG	Yes	N	U		U	Y	0.079	0.20	0.079	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.49	0.98	0.49	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	3-Perfluoroheptyl propanoic acid		TRG	Yes	N	U		U	Y	0.39	0.98	0.39	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	3-Perfluoropropyl propanoic acid		TRG	Yes	N	U		U	Y	0.20	0.39	0.20	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.059	0.20	0.059	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID		TRG	Yes	N	U		U	Y	0.088	0.20	0.088	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	N-ethyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	Y	0.098	0.20	0.098	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine		TRG	Yes	N	U		U	Y	0.11	0.20	0.11	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	N-methyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	Y	0.088	0.20	0.088	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	Nonafluoro-3,6-dioxaheptanoic acid		TRG	Yes	N	U		U	Y	0.069	0.20	0.069	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	Perfluoro(2-ethoxyethane)sulfonic acid		TRG	Yes	N	U		U	Y	0.049	0.20	0.049	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	PERFLUORO(2-PROPOXYPROPANOIC) ACID		TRG	Yes	N	U		U	Y	0.11	0.20	0.11	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	Perfluoro-3-methoxypropanoic acid		TRG	Yes	N	U		U	Y	0.069	0.20	0.069	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	Perfluoro-4-methoxybutanoic acid		TRG	Yes	N	U		U	Y	0.049	0.20	0.049	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	PERFLUOROBUTANESULFONIC ACID		TRG	Yes	N	U		U	Y	0.069	0.20	0.069	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.13	0.39	0.13	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	PERFLUORODECANE SULFONIC ACID		TRG	Yes	N	U		U	Y	0.049	0.20	0.049	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	PERFLUORODECANOIC ACID (PFDA)		TRG	Yes	N	U		U	Y	0.049	0.20	0.049	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	Perfluorododecane sulfonate (PFDoDS)		TRG	Yes	N	U		U	Y	0.059	0.20	0.059	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	PERFLUORODODECANOIC ACID (PFDoA)		TRG	Yes	N	U		U	Y	0.049	0.20	0.049	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	PERFLUOROHEPTANE SULFONATE (PFHpS)		TRG	Yes	N	U		U	Y	0.069	0.20	0.069	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	Perfluoroheptanoic Acid (PFHpA)		TRG	Yes	N	U		U	Y	0.069	0.20	0.069	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	PERFLUOROHEXANESULFONIC ACID	0.087	TRG	Yes	Y	J	J	J	Y	0.049	0.20	0.20	ng/g	Level 4	RL
SB2-12"-5'-20250709	E1633	1	480-231006-12	PERFLUOROHEXANOIC ACID (PFHxA)		TRG	Yes	N	U		U	Y	0.059	0.20	0.059	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	Perfluorononanesulfonic Acid (Pfns)		TRG	Yes	N	U		U	Y	0.069	0.20	0.069	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	PERFLUORONONANOIC ACID		TRG	Yes	N	U		U	Y	0.059	0.20	0.059	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	Perfluorooctane Sulfonamide (FOSA)		TRG	Yes	N	U		U	Y	0.088	0.20	0.088	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	PERFLUOROOCTANE SULFONIC ACID	1.4	TRG	Yes	Y				Y	0.11	0.20	0.20	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	Perfluorooctanoic acid (PFOA)		TRG	Yes	N	U		U	Y	0.059	0.20	0.059	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	Perfluoropentanesulfonic Acid (Pfpes)		TRG	Yes	N	U		U	Y	0.059	0.20	0.059	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	PERFLUOROPENTANOIC ACID (PFPeA)		TRG	Yes	N	U		U	Y	0.049	0.20	0.049	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	PERFLUOROTETRADECANOIC ACID (PFTeA)		TRG	Yes	N	U		U	Y	0.069	0.20	0.069	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	PERFLUOROTRIDECANOIC ACID (PFTriA)		TRG	Yes	N	U		U	Y	0.069	0.20	0.069	ng/g	Level 4	
SB2-12"-5'-20250709	E1633	1	480-231006-12	PERFLUOROUNDECANOIC ACID (PFUnA)	0.054	TRG	Yes	Y	J	J	J	Y	0.049	0.20	0.20	ng/g	Level 4	RL
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	ALUMINUM	16500	TRG	Yes	Y				Y	9.7	11.2	11.2	mg/kg	Level 4	
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	ANTIMONY		TRG	Yes	N	U	UJ	UJ	Y	0.60	16.9	0.60	mg/kg	Level 4	MS-
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	ARSENIC	2.3	TRG	Yes	Y				Y	0.99	2.2	2.2	mg/kg	Level 4	
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	BARIUM	121	TRG	Yes	Y				Y	0.16	0.56	0.56	mg/kg	Level 4	
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	BERYLLIUM	0.56	TRG	Yes	Y				Y	0.045	0.22	0.22	mg/kg	Level 4	
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	CADMIUM	0.10	TRG	Yes	Y	J	J	J	Y	0.079	0.22	0.22	mg/kg	Level 4	RL
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	CALCIUM	19800	TRG	Yes	Y		J+	J+	Y	30.4	56.2	56.2	mg/kg	Level 4	MS+
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	CHROMIUM, TOTAL	26.3	TRG	Yes	Y				Y	0.40	0.56	0.56	mg/kg	Level 4	
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	COBALT	13.5	TRG	Yes	Y				Y	0.11	0.56	0.56	mg/kg	Level 4	
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	COPPER	49.2	TRG	Yes	Y				Y	0.64	1.1	1.1	mg/kg	Level 4	
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	IRON	25600	TRG	Yes	Y		J	J	Y	9.5	11.2	11.2	mg/kg	Level 4	SD,IC
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	LEAD	41.4	TRG	Yes	Y				Y	0.52	1.1	1.1	mg/kg	Level 4	
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	MAGNESIUM	9580	TRG	Yes	Y		J+	J+	Y	9.5	22.5	22.5	mg/kg	Level 4	MS+
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	MANGANESE	406	TRG	Yes	Y				Y	0.31	1.1	1.1	mg/kg	Level 4	
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	NICKEL	22.0	TRG	Yes	Y				Y	0.28	5.6	5.6	mg/kg	Level 4	
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	POTASSIUM	4850	TRG	Yes	Y				Y	27.3	33.7	33.7	mg/kg	Level 4	
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	SELENIUM		TRG	Yes	N	U		U	Y	0.90	4.5	0.90	mg/kg	Level 4	
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	SILVER		TRG	Yes	N	UT		U	Y	0.22	0.67	0.22	mg/kg	Level 4	
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	SODIUM	738	TRG	Yes	Y				Y	68.9	157	157	mg/kg	Level 4	
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	THALLIUM		TRG	Yes	N	U		U	Y	0.85	6.7	0.85	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	VANADIUM	60.4	TRG	Yes	Y				Y	0.15	0.56	0.56	mg/kg	Level 4	
SB2-12"-5'-20250709	SW6010D	1	480-231006-12	ZINC	74.3	TRG	Yes	Y	T			Y	1.1	2.2	2.2	mg/kg	Level 4	
SB2-12"-5'-20250709	SW7471B	1	480-231006-12	MERCURY	0.0081	TRG	Yes	Y	J	J	J	Y	0.0049	0.021	0.021	mg/kg	Level 4	RL
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	ALDRIN		TRG	Yes	N	U			Y	18	73	18	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)		TRG	Yes	N	U			Y	13	73	13	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	ALPHA CHLORDANE		TRG	Yes	N	U			Y	36	73	36	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	ALPHA ENDOSULFAN		TRG	Yes	N	U			Y	14	73	14	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)		TRG	Yes	N	U			Y	13	73	13	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	BETA ENDOSULFAN		TRG	Yes	N	U			Y	13	73	13	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)		TRG	Yes	N	U			Y	14	73	14	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	DIELDRIN		TRG	Yes	N	U			Y	18	73	18	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	ENDOSULFAN SULFATE		TRG	Yes	N	U			Y	14	73	14	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	ENDRIN		TRG	Yes	N	U			Y	14	73	14	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	ENDRIN ALDEHYDE		TRG	Yes	N	U			Y	19	73	19	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	ENDRIN KETONE		TRG	Yes	N	U			Y	18	73	18	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	GAMMA BHC (LINDANE)		TRG	Yes	N	U			Y	13	73	13	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	HEPTACHLOR		TRG	Yes	N	U			Y	16	73	16	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	HEPTACHLOR EPOXIDE		TRG	Yes	N	U			Y	19	73	19	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	METHOXYCHLOR	26	TRG	Yes	Y	J	J	J	Y	15	73	73	ug/kg	Level 4	RL
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	P,P'-DDD		TRG	Yes	N	U			Y	14	73	14	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	P,P'-DDE		TRG	Yes	N	U			Y	15	73	15	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	P,P'-DDT	40	TRG	Yes	Y	J	J	J	Y	17	73	73	ug/kg	Level 4	RL
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	TOXAPHENE		TRG	Yes	N	U			Y	420	730	420	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8081B	20	480-231006-12	trans-Chlordane		TRG	Yes	N	U			Y	23	73	23	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8082A	1	480-231006-12	PCB-1016 (AROCLOR 1016)		TRG	Yes	N	U		U	Y	0.0059	0.019	0.0059	mg/kg	Level 4	
SB2-12"-5'-20250709	SW8082A	1	480-231006-12	PCB-1221 (AROCLOR 1221)		TRG	Yes	N	U		U	Y	0.0059	0.019	0.0059	mg/kg	Level 4	
SB2-12"-5'-20250709	SW8082A	1	480-231006-12	PCB-1232 (AROCLOR 1232)		TRG	Yes	N	U		U	Y	0.0059	0.019	0.0059	mg/kg	Level 4	
SB2-12"-5'-20250709	SW8082A	1	480-231006-12	PCB-1242 (AROCLOR 1242)		TRG	Yes	N	U		U	Y	0.0059	0.019	0.0059	mg/kg	Level 4	
SB2-12"-5'-20250709	SW8082A	1	480-231006-12	PCB-1248 (AROCLOR 1248)		TRG	Yes	N	U		U	Y	0.0059	0.019	0.0059	mg/kg	Level 4	
SB2-12"-5'-20250709	SW8082A	1	480-231006-12	PCB-1254 (AROCLOR 1254)		TRG	Yes	N	U	UJ	UJ	Y	0.0071	0.019	0.0071	mg/kg	Level 4	CV-
SB2-12"-5'-20250709	SW8082A	1	480-231006-12	PCB-1260 (AROCLOR 1260)		TRG	Yes	N	U	UJ	UJ	Y	0.0071	0.019	0.0071	mg/kg	Level 4	CV-
SB2-12"-5'-20250709	SW8151A	1	480-231006-12	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)		TRG	Yes	N	U		U	Y	5.9	19	5.9	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8151A	1	480-231006-12	2,4-D (DICHLOROPHENOXYACETIC ACID)		TRG	Yes	N	U		U	Y	12	19	12	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8151A	1	480-231006-12	DICHLOROPROP		TRG	Yes	N	U		U	Y	9.2	19	9.2	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8151A	1	480-231006-12	PENTACHLOROPHENOL		TRG	Yes	N	U		U	Y	6.0	19	6.0	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8151A	1	480-231006-12	PICLORAM		TRG	Yes	N	U		U	Y	8.0	19	8.0	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8151A	1	480-231006-12	SILVEX (2,4,5-TP)		TRG	Yes	N	U		U	Y	6.7	19	6.7	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	2,4,5-TRICHLOROPHENOL		TRG	Yes	Y	U		U	Y	380	1900	380	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	2,4,6-TRICHLOROPHENOL		TRG	Yes	N	U		U	Y	280	1900	280	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	2,4-DICHLOROPHENOL		TRG	Yes	N	U		U	Y	370	1900	370	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	2,4-DIMETHYLPHENOL		TRG	Yes	N	U		U	Y	390	1900	390	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	2,4-DINITROPHENOL		TRG	Yes	N	U		U	Y	360	18000	360	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	2,4-DINITROTOLUENE		TRG	Yes	N	U		U	Y	260	1900	260	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	2,6-DINITROTOLUENE		TRG	Yes	N	U		U	Y	270	1900	270	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	2-CHLORONAPHTHALENE		TRG	Yes	N	U		U	Y	350	1900	350	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	2-CHLOROPHENOL		TRG	Yes	N	U		U	Y	290	1900	290	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	2-Methylnaphthalene	2300	TRG	Yes	Y				Y	290	1900	1900	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	2-Methylphenol (O-Cresol)		TRG	Yes	N	U		U	Y	300	1900	300	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	2-NITROANILINE		TRG	Yes	N	U		U	Y	320	3700	320	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	2-NITROPHENOL		TRG	Yes	N	U		U	Y	210	1900	210	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	3,3'-DICHLOROBENZIDINE		TRG	Yes	N	U		U	Y	550	3700	550	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	3-NITROANILINE		TRG	Yes	N	U		U	Y	260	3700	260	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	4,6-DINITRO-2-METHYLPHENOL		TRG	Yes	N	U		U	Y	410	3700	410	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	4-BROMOPHENYL PHENYL ETHER		TRG	Yes	N	U		U	Y	320	1900	320	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	4-CHLORO-3-METHYLPHENOL		TRG	Yes	N	U		U	Y	380	1900	380	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	4-CHLOROANILINE		TRG	Yes	N	U		U	Y	270	1900	270	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	4-CHLOROPHENYL PHENYL ETHER		TRG	Yes	N	U		U	Y	390	1900	390	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	4-METHYLPHENOL (P-CRESOL)		TRG	Yes	N	U		U	Y	340	3700	340	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	4-NITROANILINE		TRG	Yes	N	U		U	Y	270	3700	270	ug/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	4-NITROPHENOL		TRG	Yes	N	U		U	Y	510	3700	510	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	ACENAPHTHENE	650	TRG	Yes	Y	J	J	J	Y	350	1900	1900	ug/kg	Level 4	RL
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	ACENAPHTHYLENE	1300	TRG	Yes	Y	J	J	J	Y	360	1900	1900	ug/kg	Level 4	RL
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	ACETOPHENONE		TRG	Yes	N	U		U	Y	330	1900	330	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	ANTHRACENE	3500	TRG	Yes	Y				Y	350	1900	1900	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	ATRAZINE		TRG	Yes	N	U		U	Y	630	1900	630	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	BENZALDEHYDE		TRG	Yes	N	U		U	Y	1400	1900	1400	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	BENZO(A)ANTHRACENE	8900	TRG	Yes	Y				Y	260	1900	1900	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	BENZO(A)PYRENE	6000	TRG	Yes	Y				Y	320	1900	1900	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	BENZO(B)FLUORANTHENE	5800	TRG	Yes	Y				Y	250	1900	1900	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	BENZO(G,H,I)PERYLENE	4200	TRG	Yes	Y				Y	330	1900	1900	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	BENZO(K)FLUORANTHENE	2100	TRG	Yes	Y				Y	420	1900	1900	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	BENZYL BUTYL PHTHALATE		TRG	Yes	N	U		U	Y	350	1900	350	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	BIPHENYL (DIPHENYL)		TRG	Yes	N	U		U	Y	350	1900	350	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	BIS(2-CHLOROETHOXY) METHANE		TRG	Yes	N	U		U	Y	360	1900	360	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)		TRG	Yes	N	U		U	Y	350	1900	350	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	BIS(2-CHLOROISOPROPYL) ETHER		TRG	Yes	N	U		U	Y	380	1900	380	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	BIS(2-ETHYLHEXYL) PHTHALATE		TRG	Yes	N	U		U	Y	410	1900	410	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	CAPROLACTAM		TRG	Yes	N	U		U	Y	430	1900	430	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	CARBAZOLE		TRG	Yes	N	U		U	Y	370	1900	370	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	CHRYSENE	9100	TRG	Yes	Y				Y	450	1900	1900	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	DIBENZ(A,H)ANTHRACENE	1200	TRG	Yes	Y	J	J	J	Y	380	1900	1900	ug/kg	Level 4	RL
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	DIBENZOFURAN	520	TRG	Yes	Y	J	J	J	Y	330	1900	1900	ug/kg	Level 4	RL
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	DIETHYL PHTHALATE		TRG	Yes	N	U		U	Y	340	1900	340	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	DIMETHYL PHTHALATE		TRG	Yes	N	U		U	Y	360	1900	360	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	DI-N-BUTYL PHTHALATE		TRG	Yes	N	U		U	Y	420	1900	420	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	DI-N-OCTYLPHTHALATE		TRG	Yes	N	U		U	Y	360	1900	360	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	FLUORANTHENE	14000	TRG	Yes	Y				Y	340	1900	1900	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	FLUORENE	2600	TRG	Yes	Y				Y	340	1900	1900	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	HEXACHLOROBENZENE		TRG	Yes	N	U		U	Y	360	1900	360	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	HEXACHLOROBUTADIENE		TRG	Yes	N	U		U	Y	280	1900	280	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	HEXACHLOROCYCLOPENTADIENE		TRG	Yes	N	U	UJ	UJ	Y	820	3700	820	ug/kg	Level 4	CV-
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	HEXACHLOROETHANE		TRG	Yes	N	U		U	Y	340	1900	340	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	INDENO(1,2,3-C,D)PYRENE	2400	TRG	Yes	Y				Y	280	1900	1900	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	ISOPHORONE		TRG	Yes	N	U		U	Y	380	1900	380	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	NAPHTHALENE		TRG	Yes	N	U		U	Y	310	1900	310	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	NITROBENZENE		TRG	Yes	N	U		U	Y	310	1900	310	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	N-NITROSODI-N-PROPYLAMINE		TRG	Yes	N	U		U	Y	420	1900	420	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	N-NITROSODIPHENYLAMINE		TRG	Yes	N	U		U	Y	310	1900	310	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	PENTACHLOROPHENOL		TRG	Yes	N	U		U	Y	600	3700	600	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	PHENANTHRENE	24000	TRG	Yes	Y				Y	350	1900	1900	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	PHENOL		TRG	Yes	N	U		U	Y	340	1900	340	ug/kg	Level 4	
SB2-12"-5'-20250709	SW8270D	10	480-231006-12	PYRENE	22000	TRG	Yes	Y				Y	360	1900	1900	ug/kg	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID		TRG	Yes	N	U		U	Y	0.080	0.20	0.080	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)		TRG	Yes	N	U		U	Y	0.13	0.40	0.13	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		TRG	Yes	N	U		U	Y	0.10	0.40	0.10	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)		TRG	Yes	N	U		U	Y	0.13	0.40	0.13	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol		TRG	Yes	N	U		U	Y	0.30	1.0	0.30	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol		TRG	Yes	N	U		U	Y	0.30	1.0	0.30	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	2-(N-methyl perfluorooctanesulfonamido) acetic acid		TRG	Yes	N	U		U	Y	0.080	0.20	0.080	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.50	1.0	0.50	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	3-Perfluoroheptyl propanoic acid		TRG	Yes	N	U		U	Y	0.40	1.0	0.40	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	3-Perfluoropropyl propanoic acid		TRG	Yes	N	U		U	Y	0.20	0.40	0.20	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID		TRG	Yes	N	U		U	Y	0.090	0.20	0.090	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	N-ethyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	Y	0.10	0.20	0.10	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine		TRG	Yes	N	U		U	Y	0.11	0.20	0.11	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	N-methyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	Y	0.090	0.20	0.090	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	Nonafluoro-3,6-dioxaheptanoic acid		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
SB2-9'-10'-20250709	E1633	1	480-231006-13	Perfluoro(2-ethoxyethane)sulfonic acid		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	PERFLUORO(2-PROPOXYPROPANOIC) ACID		TRG	Yes	N	U		U	Y	0.11	0.20	0.11	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	Perfluoro-3-methoxypropanoic acid		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	Perfluoro-4-methoxybutanoic acid		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	PERFLUOROBUTANESULFONIC ACID		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.13	0.40	0.13	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	PERFLUORODECANE SULFONIC ACID		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	PERFLUORODECANOIC ACID (PFDA)		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	Perfluorododecane sulfonate (PFDoDS)		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	PERFLUORODODECANOIC ACID (PFDoA)		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	PERFLUOROHEPTANE SULFONATE (PFHpS)	0.22	TRG	Yes	Y				Y	0.070	0.20	0.20	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	Perfluoroheptanoic Acid (PFHpA)		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	PERFLUOROHEXANESULFONIC ACID	0.28	TRG	Yes	Y				Y	0.050	0.20	0.20	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	PERFLUOROHEXANOIC ACID (PFHxA)		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	Perfluorononanesulfonic Acid (Pfns)		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	PERFLUORONONANOIC ACID		TRG	Yes	N	U		U	Y	0.15	0.15	0.15	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	Perfluorooctane Sulfonamide (FOSA)		TRG	Yes	N	U		U	Y	0.090	0.20	0.090	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	PERFLUOROOCTANE SULFONIC ACID	5.4	TRG	Yes	Y				Y	0.11	0.20	0.20	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	Perfluorooctanoic acid (PFOA)	0.061	TRG	Yes	Y	J	J	J	Y	0.060	0.20	0.20	ng/g	Level 4	RL
SB2-9'-10'-20250709	E1633	1	480-231006-13	Perfluoropentanesulfonic Acid (Pfpes)		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	PERFLUOROPENTANOIC ACID (PFPeA)		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	PERFLUOROTETRADECANOIC ACID (PFTeA)		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	PERFLUOROTRIDECANOIC ACID (PFTriA)		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB2-9'-10'-20250709	E1633	1	480-231006-13	PERFLUOROUNDECANOIC ACID (PFUnA)		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	ALUMINUM	27400	TRG	Yes	Y				Y	9.6	11.2	11.2	mg/kg	Level 4	
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	ANTIMONY		TRG	Yes	N	U	UJ	UJ	Y	0.59	16.8	0.59	mg/kg	Level 4	MS-
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	ARSENIC		TRG	Yes	N	U		U	Y	0.98	2.2	0.98	mg/kg	Level 4	
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	BARIUM	232	TRG	Yes	Y				Y	0.16	0.56	0.56	mg/kg	Level 4	
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	BERYLLIUM	0.86	TRG	Yes	Y				Y	0.045	0.22	0.22	mg/kg	Level 4	
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	CADMIUM		TRG	Yes	N	U		U	Y	0.078	0.22	0.078	mg/kg	Level 4	
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	CALCIUM	1880	TRG	Yes	Y		J+	J+	Y	30.2	56.0	56.0	mg/kg	Level 4	MS+
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	CHROMIUM, TOTAL	40.6	TRG	Yes	Y				Y	0.40	0.56	0.56	mg/kg	Level 4	
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	COBALT	21.1	TRG	Yes	Y				Y	0.11	0.56	0.56	mg/kg	Level 4	
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	COPPER	47.1	TRG	Yes	Y				Y	0.64	1.1	1.1	mg/kg	Level 4	
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	IRON	36200	TRG	Yes	Y		J	J	Y	9.5	11.2	11.2	mg/kg	Level 4	SD,IC
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	LEAD	6.4	TRG	Yes	Y				Y	0.51	1.1	1.1	mg/kg	Level 4	
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	MAGNESIUM	9030	TRG	Yes	Y		J+	J+	Y	9.5	22.4	22.4	mg/kg	Level 4	MS+
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	MANGANESE	558	TRG	Yes	Y				Y	0.31	1.1	1.1	mg/kg	Level 4	
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	NICKEL	34.9	TRG	Yes	Y				Y	0.28	5.6	5.6	mg/kg	Level 4	
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	POTASSIUM	8800	TRG	Yes	Y				Y	27.1	33.6	33.6	mg/kg	Level 4	
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	SELENIUM		TRG	Yes	N	U		U	Y	0.90	4.5	0.90	mg/kg	Level 4	
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	SILVER	0.24	TRG	Yes	Y	JT	J	J	Y	0.22	0.67	0.67	mg/kg	Level 4	RL
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	SODIUM	843	TRG	Yes	Y				Y	68.6	157	157	mg/kg	Level 4	
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	THALLIUM		TRG	Yes	N	U		U	Y	0.85	6.7	0.85	mg/kg	Level 4	
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	VANADIUM	84.9	TRG	Yes	Y				Y	0.15	0.56	0.56	mg/kg	Level 4	
SB2-9'-10'-20250709	SW6010D	1	480-231006-14	ZINC	74.7	TRG	Yes	Y	T			Y	1.1	2.2	2.2	mg/kg	Level 4	
SB2-9'-10'-20250709	SW7471B	1	480-231006-14	MERCURY		TRG	Yes	N	U		U	Y	0.0051	0.022	0.0051	mg/kg	Level 4	
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	ALDRIN		TRG	Yes	N	U		U	Y	0.87	3.5	0.87	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)		TRG	Yes	N	U		U	Y	0.63	3.5	0.63	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	ALPHA CHLORDANE		TRG	Yes	N	U		U	Y	1.8	3.5	1.8	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	ALPHA ENDOSULFAN		TRG	Yes	N	U		U	Y	0.68	3.5	0.68	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)		TRG	Yes	N	U		U	Y	0.63	3.5	0.63	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	BETA ENDOSULFAN		TRG	Yes	N	U		U	Y	0.63	3.5	0.63	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)		TRG	Yes	N	U		U	Y	0.65	3.5	0.65	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	DIELDRIN		TRG	Yes	N	U		U	Y	0.84	3.5	0.84	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	ENDOSULFAN SULFATE		TRG	Yes	N	U		U	Y	0.66	3.5	0.66	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	ENDRIN		TRG	Yes	N	U		U	Y	0.70	3.5	0.70	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	ENDRIN ALDEHYDE		TRG	Yes	N	U		U	Y	0.90	3.5	0.90	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	ENDRIN KETONE		TRG	Yes	N	U		U	Y	0.87	3.5	0.87	ug/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	GAMMA BHC (LINDANE)		TRG	Yes	N	U		U	Y	0.65	3.5	0.65	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	HEPTACHLOR		TRG	Yes	N	U		U	Y	0.76	3.5	0.76	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	HEPTACHLOR EPOXIDE		TRG	Yes	N	U		U	Y	0.91	3.5	0.91	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	METHOXYCHLOR	1.2	TRG	Yes	Y	J		J	Y	0.72	3.5	3.5	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	P,P'-DDD		TRG	Yes	N	U		U	Y	0.68	3.5	0.68	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	P,P'-DDE		TRG	Yes	N	U		U	Y	0.74	3.5	0.74	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	P,P'-DDT	1.4	TRG	Yes	Y	J		J	Y	0.82	3.5	3.5	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	TOXAPHENE		TRG	Yes	N	U		U	Y	20	35	20	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8081B	1	480-231006-14	trans-Chlordane		TRG	Yes	N	U		U	Y	1.1	3.5	1.1	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8082A	1	480-231006-14	PCB-1016 (AROCLOR 1016)		TRG	Yes	N	U		U	Y	0.0058	0.019	0.0058	mg/kg	Level 4	
SB2-9'-10'-20250709	SW8082A	1	480-231006-14	PCB-1221 (AROCLOR 1221)		TRG	Yes	N	U		U	Y	0.0058	0.019	0.0058	mg/kg	Level 4	
SB2-9'-10'-20250709	SW8082A	1	480-231006-14	PCB-1232 (AROCLOR 1232)		TRG	Yes	N	U		U	Y	0.0058	0.019	0.0058	mg/kg	Level 4	
SB2-9'-10'-20250709	SW8082A	1	480-231006-14	PCB-1242 (AROCLOR 1242)		TRG	Yes	N	U		U	Y	0.0058	0.019	0.0058	mg/kg	Level 4	
SB2-9'-10'-20250709	SW8082A	1	480-231006-14	PCB-1248 (AROCLOR 1248)		TRG	Yes	N	U		U	Y	0.0058	0.019	0.0058	mg/kg	Level 4	
SB2-9'-10'-20250709	SW8082A	1	480-231006-14	PCB-1254 (AROCLOR 1254)		TRG	Yes	N	U	UJ	UJ	Y	0.0070	0.019	0.0070	mg/kg	Level 4	CV-
SB2-9'-10'-20250709	SW8082A	1	480-231006-14	PCB-1260 (AROCLOR 1260)		TRG	Yes	N	U	UJ	UJ	Y	0.0070	0.019	0.0070	mg/kg	Level 4	CV-
SB2-9'-10'-20250709	SW8151A	1	480-231006-14	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)		TRG	Yes	N	U		U	Y	5.9	18	5.9	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8151A	1	480-231006-14	2,4-D (DICHLOROPHENOXYACETIC ACID)		TRG	Yes	N	U		U	Y	12	18	12	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8151A	1	480-231006-14	DICHLOROPROP		TRG	Yes	N	U		U	Y	9.1	18	9.1	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8151A	1	480-231006-14	PENTACHLOROPHENOL		TRG	Yes	N	U		U	Y	6.0	18	6.0	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8151A	1	480-231006-14	PICLORAM		TRG	Yes	N	U		U	Y	7.9	18	7.9	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8151A	1	480-231006-14	SILVEX (2,4,5-TP)		TRG	Yes	N	U		U	Y	6.6	18	6.6	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	1,1,1-TRICHLOROETHANE		TRG	Yes	N	U		U	Y	13	46	13	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	1,1,2,2-TETRACHLOROETHANE		TRG	Yes	N	U		U	Y	7.5	46	7.5	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE		TRG	Yes	N	U		U	Y	23	46	23	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	1,1,2-TRICHLOROETHANE		TRG	Yes	N	U		U	Y	9.8	46	9.8	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	1,1-DICHLOROETHANE		TRG	Yes	N	U		U	Y	14	46	14	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	1,1-DICHLOROETHENE		TRG	Yes	N	U		U	Y	16	46	16	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	1,2,4-TRICHLOROBENZENE		TRG	Yes	N	U		U	Y	18	46	18	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	1,2-DIBROMO-3-CHLOROPROPANE		TRG	Yes	N	U	UJ	UJ	Y	23	46	23	ug/kg	Level 4	CV-
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)		TRG	Yes	N	U		U	Y	8.1	46	8.1	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	1,2-DICHLOROBENZENE		TRG	Yes	N	U		U	Y	12	46	12	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	1,2-DICHLOROETHANE		TRG	Yes	N	U		U	Y	19	46	19	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	1,2-DICHLOROPROPANE		TRG	Yes	N	U		U	Y	7.5	46	7.5	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	1,3-DICHLOROBENZENE		TRG	Yes	N	U		U	Y	12	46	12	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	1,4-DICHLOROBENZENE		TRG	Yes	N	U		U	Y	6.5	46	6.5	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	2-HEXANONE		TRG	Yes	N	U		U	Y	95	230	95	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	ACETONE		TRG	Yes	N	U		U	Y	190	230	190	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	BENZENE		TRG	Yes	N	U		U	Y	8.8	46	8.8	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	BROMODICHLOROMETHANE		TRG	Yes	N	U	UJ	UJ	Y	9.3	46	9.3	ug/kg	Level 4	CV-
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	BROMOFORM		TRG	Yes	N	U	UJ	UJ	Y	23	46	23	ug/kg	Level 4	CV-
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	BROMOMETHANE		TRG	Yes	N	U		U	Y	10	46	10	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	CARBON DISULFIDE		TRG	Yes	N	U		U	Y	21	46	21	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	CARBON TETRACHLORIDE		TRG	Yes	N	U		U	Y	12	46	12	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	CHLOROBENZENE		TRG	Yes	N	U		U	Y	6.1	46	6.1	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	CHLOROETHANE		TRG	Yes	N	U		U	Y	9.7	46	9.7	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	CHLOROFORM		TRG	Yes	N	U		U	Y	32	46	32	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	CHLOROMETHANE		TRG	Yes	N	U		U	Y	11	46	11	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	Cis-1,2-Dichloroethylene		TRG	Yes	N	U		U	Y	13	46	13	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	CIS-1,3-DICHLOROPROPENE		TRG	Yes	N	U		U	Y	11	46	11	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	CYCLOHEXANE		TRG	Yes	N	U		U	Y	10	46	10	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	DIBROMOCHLOROMETHANE		TRG	Yes	N	U	UJ	UJ	Y	22	46	22	ug/kg	Level 4	CV-
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	DICHLORODIFLUOROMETHANE		TRG	Yes	N	U		U	Y	20	46	20	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	ETHYLBENZENE		TRG	Yes	N	U		U	Y	14	46	14	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	Isopropylbenzene (Cumene)		TRG	Yes	N	U		U	Y	7.0	46	7.0	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	METHYL ACETATE		TRG	Yes	N	U		U	Y	22	230	22	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	METHYL ETHYL KETONE (2-BUTANONE)		TRG	Yes	N	U		U	Y	140	230	140	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)		TRG	Yes	N	U		U	Y	15	230	15	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	METHYLCYCLOHEXANE		TRG	Yes	N	U		U	Y	22	46	22	ug/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	METHYLENE CHLORIDE		TRG	Yes	N	U		U	Y	9.2	46	9.2	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	STYRENE		TRG	Yes	N	U		U	Y	11	46	11	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	TERT-BUTYL METHYL ETHER		TRG	Yes	N	U		U	Y	18	46	18	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	TETRACHLOROETHYLENE(PCE)		TRG	Yes	N	U		U	Y	6.2	46	6.2	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	TOLUENE		TRG	Yes	N	U		U	Y	12	46	12	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	TRANS-1,2-DICHLOROETHENE		TRG	Yes	N	U		U	Y	11	46	11	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	TRANS-1,3-DICHLOROPROPENE		TRG	Yes	N	U		U	Y	4.6	46	4.6	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	TRICHLOROETHYLENE (TCE)		TRG	Yes	N	U		U	Y	13	46	13	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	TRICHLOROFLUOROMETHANE		TRG	Yes	N	U		U	Y	22	46	22	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	VINYL CHLORIDE		TRG	Yes	N	U		U	Y	16	46	16	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8260C	1	480-231006-14	Xylenes		TRG	Yes	N	U		U	Y	26	93	26	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	2,4,5-TRICHLOROPHENOL		TRG	Yes	N	U		U	Y	36	180	36	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	2,4,6-TRICHLOROPHENOL		TRG	Yes	N	U		U	Y	27	180	27	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	2,4-DICHLOROPHENOL		TRG	Yes	N	U		U	Y	35	180	35	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	2,4-DIMETHYLPHENOL		TRG	Yes	N	U		U	Y	38	180	38	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	2,4-DINITROPHENOL		TRG	Yes	N	U		U	Y	34	1800	34	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	2,4-DINITROTOLUENE		TRG	Yes	N	U		U	Y	24	180	24	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	2,6-DINITROTOLUENE		TRG	Yes	N	U		U	Y	26	180	26	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	2-CHLORONAPHTHALENE		TRG	Yes	N	U		U	Y	34	180	34	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	2-CHLOROPHENOL		TRG	Yes	N	U		U	Y	28	180	28	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	2-Methylnaphthalene		TRG	Yes	N	U		U	Y	28	180	28	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	2-Methylphenol (O-Cresol)		TRG	Yes	N	U		U	Y	29	180	29	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	2-NITROANILINE		TRG	Yes	N	U		U	Y	31	350	31	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	2-NITROPHENOL		TRG	Yes	N	U		U	Y	20	180	20	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	3,3'-DICHLOROBENZIDINE		TRG	Yes	N	U		U	Y	53	350	53	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	3-NITROANILINE		TRG	Yes	N	U		U	Y	25	350	25	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	4,6-DINITRO-2-METHYLPHENOL		TRG	Yes	N	U		U	Y	39	350	39	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	4-BROMOPHENYL PHENYL ETHER		TRG	Yes	N	U		U	Y	31	180	31	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	4-CHLORO-3-METHYLPHENOL		TRG	Yes	N	U		U	Y	37	180	37	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	4-CHLOROANILINE		TRG	Yes	N	U		U	Y	26	180	26	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	4-CHLOROPHENYL PHENYL ETHER		TRG	Yes	N	U		U	Y	38	180	38	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	4-METHYLPHENOL (P-CRESOL)		TRG	Yes	N	U		U	Y	32	350	32	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	4-NITROANILINE		TRG	Yes	N	U		U	Y	26	350	26	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	4-NITROPHENOL		TRG	Yes	N	U		U	Y	49	350	49	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	ACENAPHTHENE		TRG	Yes	N	U		U	Y	33	180	33	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	ACENAPHTHYLENE		TRG	Yes	N	U		U	Y	35	180	35	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	ACETOPHENONE		TRG	Yes	N	U		U	Y	32	180	32	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	ANTHRACENE		TRG	Yes	N	U		U	Y	33	180	33	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	ATRAZINE		TRG	Yes	N	U		U	Y	61	180	61	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	BENZALDEHYDE		TRG	Yes	N	U		U	Y	140	180	140	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	BENZO(A)ANTHRACENE		TRG	Yes	N	U		U	Y	25	180	25	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	BENZO(A)PYRENE		TRG	Yes	N	U		U	Y	31	180	31	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	BENZO(B)FLUORANTHENE		TRG	Yes	N	U		U	Y	24	180	24	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	BENZO(G,H,I)PERYLENE		TRG	Yes	N	U		U	Y	31	180	31	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	BENZO(K)FLUORANTHENE		TRG	Yes	N	U		U	Y	40	180	40	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	BENZYL BUTYL PHTHALATE		TRG	Yes	N	U		U	Y	33	180	33	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	BIPHENYL (DIPHENYL)		TRG	Yes	N	U		U	Y	34	180	34	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	BIS(2-CHLOROETHOXY) METHANE		TRG	Yes	N	U		U	Y	34	180	34	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)		TRG	Yes	N	U		U	Y	34	180	34	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	BIS(2-CHLOROISOPROPYL) ETHER		TRG	Yes	N	U		U	Y	37	180	37	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	BIS(2-ETHYLHEXYL) PHTHALATE		TRG	Yes	N	U		U	Y	39	180	39	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	CAPROLACTAM		TRG	Yes	N	U		U	Y	42	180	42	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	CARBAZOLE		TRG	Yes	N	U		U	Y	35	180	35	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	CHRYSENE		TRG	Yes	N	U		U	Y	43	180	43	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	DIBENZ(A,H)ANTHRACENE		TRG	Yes	N	U		U	Y	36	180	36	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	DIBENZOFURAN		TRG	Yes	N	U		U	Y	32	180	32	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	DIETHYL PHTHALATE		TRG	Yes	N	U		U	Y	32	180	32	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	DIMETHYL PHTHALATE		TRG	Yes	N	U		U	Y	35	180	35	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	DI-N-BUTYL PHTHALATE		TRG	Yes	N	U		U	Y	40	180	40	ug/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	DI-N-OCTYLPHTHALATE		TRG	Yes	N	U		U	Y	34	180	34	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	FLUORANTHENE		TRG	Yes	N	U		U	Y	33	180	33	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	FLUORENE		TRG	Yes	N	U		U	Y	33	180	33	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	HEXACHLOROBENZENE		TRG	Yes	N	U		U	Y	35	180	35	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	HEXACHLOROBUTADIENE		TRG	Yes	N	U		U	Y	27	180	27	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	HEXACHLOROCYCLOPENTADIENE		TRG	Yes	N	U	UJ	UJ	Y	79	350	79	ug/kg	Level 4	CV-
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	HEXACHLOROETHANE		TRG	Yes	N	U		U	Y	33	180	33	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	INDENO(1,2,3-C,D)PYRENE		TRG	Yes	N	U		U	Y	27	180	27	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	ISOPHORONE		TRG	Yes	N	U		U	Y	37	180	37	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	NAPHTHALENE		TRG	Yes	N	U		U	Y	30	180	30	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	NITROBENZENE		TRG	Yes	N	U		U	Y	30	180	30	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	N-NITROSODI-N-PROPYLAMINE		TRG	Yes	N	U		U	Y	40	180	40	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	N-NITROSODIPHENYLAMINE		TRG	Yes	N	U		U	Y	30	180	30	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	PENTACHLOROPHENOL		TRG	Yes	N	U		U	Y	57	350	57	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	PHENANTHRENE		TRG	Yes	N	U		U	Y	34	180	34	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	PHENOL		TRG	Yes	N	U		U	Y	33	180	33	ug/kg	Level 4	
SB2-9'-10'-20250709	SW8270D	1	480-231006-14	PYRENE	36	TRG	Yes	Y	J	J	J	Y	34	180	180	ug/kg	Level 4	RL
SB1-18"-30"-20250709	E1633	1	480-231006-2	11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID		TRG	Yes	N	U		U	Y	0.080	0.20	0.080	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)		TRG	Yes	N	U		U	Y	0.13	0.40	0.13	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		TRG	Yes	N	U		U	Y	0.10	0.40	0.10	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)		TRG	Yes	N	U		U	Y	0.13	0.40	0.13	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol		TRG	Yes	N	U		U	Y	0.30	1.0	0.30	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol		TRG	Yes	N	U		U	Y	0.30	1.0	0.30	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	2-(N-methyl perfluorooctanesulfonamido) acetic acid		TRG	Yes	N	U		U	Y	0.080	0.20	0.080	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.50	1.0	0.50	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	3-Perfluoroheptyl propanoic acid		TRG	Yes	N	U		U	Y	0.40	1.0	0.40	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	3-Perfluoropropyl propanoic acid		TRG	Yes	N	U		U	Y	0.20	0.40	0.20	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID		TRG	Yes	N	U		U	Y	0.090	0.20	0.090	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	N-ethyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	Y	0.10	0.20	0.10	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	0.60	TRG	Yes	Y				Y	0.11	0.20	0.20	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	N-methyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	Y	0.090	0.20	0.090	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	Nonafluoro-3,6-dioxaheptanoic acid		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	Perfluoro(2-ethoxyethane)sulfonic acid		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	PERFLUORO(2-PROPOXYPROPANOIC) ACID		TRG	Yes	N	U		U	Y	0.11	0.20	0.11	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	Perfluoro-3-methoxypropanoic acid		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	Perfluoro-4-methoxybutanoic acid		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	PERFLUOROBUTANESULFONIC ACID		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.13	0.40	0.13	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	PERFLUORODECANE SULFONIC ACID		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	PERFLUORODECANOIC ACID (PFDA)		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	Perfluorododecane sulfonate (PFDoDS)		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	PERFLUORODODECANOIC ACID (PFDoA)		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	PERFLUOROHEPTANE SULFONATE (PFHpS)		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	Perfluoroheptanoic Acid (PFHpA)		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	PERFLUOROHEXANESULFONIC ACID	0.16	TRG	Yes	Y	J	J	J	Y	0.050	0.20	0.20	ng/g	Level 4	RL
SB1-18"-30"-20250709	E1633	1	480-231006-2	PERFLUOROHEXANOIC ACID (PFHxA)		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	Perfluorononanesulfonic Acid (Pfns)		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	PERFLUORONONANOIC ACID		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	Perfluorooctane Sulfonamide (FOSA)		TRG	Yes	N	U		U	Y	0.090	0.20	0.090	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	PERFLUOROOCTANE SULFONIC ACID	0.99	TRG	Yes	Y				Y	0.11	0.20	0.20	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	Perfluorooctanoic acid (PFOA)		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	Perfluoropentanesulfonic Acid (Pfpes)		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	PERFLUOROPENTANOIC ACID (PFPeA)		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	PERFLUOROTETRADECANOIC ACID (PFTeA)		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	PERFLUOROTRIDECANOIC ACID (PFTriA)		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB1-18"-30"-20250709	E1633	1	480-231006-2	PERFLUOROUNDECANOIC ACID (PFUnA)		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID		TRG	Yes	N	U		U	Y	0.076	0.19	0.076	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)		TRG	Yes	N	U		U	Y	0.12	0.38	0.12	ng/g	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
SB1-12'-48"-20250709	E1633	1	480-231006-3	1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		TRG	Yes	N	U		U	Y	0.095	0.38	0.095	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)		TRG	Yes	N	U		U	Y	0.12	0.38	0.12	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol		TRG	Yes	N	U		U	Y	0.29	0.95	0.29	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol		TRG	Yes	N	U		U	Y	0.29	0.95	0.29	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	2-(N-methyl perfluorooctanesulfonamido) acetic acid		TRG	Yes	N	U		U	Y	0.076	0.19	0.076	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.48	0.95	0.48	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	3-Perfluoroheptyl propanoic acid		TRG	Yes	N	U		U	Y	0.38	0.95	0.38	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	3-Perfluoropropyl propanoic acid		TRG	Yes	N	U		U	Y	0.19	0.38	0.19	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID		TRG	Yes	N	U		U	Y	0.086	0.19	0.086	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	N-ethyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	Y	0.095	0.19	0.095	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine		TRG	Yes	N	U		U	Y	0.10	0.19	0.10	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	N-methyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	Y	0.086	0.19	0.086	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	Nonafluoro-3,6-dioxaheptanoic acid		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	Perfluoro(2-ethoxyethane)sulfonic acid		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	PERFLUORO(2-PROPOXYPROPANOIC) ACID		TRG	Yes	N	U		U	Y	0.10	0.19	0.10	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	Perfluoro-3-methoxypropanoic acid		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	Perfluoro-4-methoxybutanoic acid		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	PERFLUOROBUTANESULFONIC ACID		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.12	0.38	0.12	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	PERFLUORODECANE SULFONIC ACID		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	PERFLUORODECANOIC ACID (PFDA)		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	Perfluorododecane sulfonate (PFDoDS)		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	PERFLUORODODECANOIC ACID (PFDoA)		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	PERFLUOROHEPTANE SULFONATE (PFHpS)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	Perfluoroheptanoic Acid (PFHpA)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	PERFLUOROHEXANESULFONIC ACID	0.056	TRG	Yes	Y	J	J	J	Y	0.048	0.19	0.19	ng/g	Level 4	RL
SB1-12'-48"-20250709	E1633	1	480-231006-3	PERFLUOROHEXANOIC ACID (PFHxA)		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	Perfluorononanesulfonic Acid (Pfns)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	PERFLUORONONANOIC ACID		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	Perfluorooctane Sulfonamide (FOSA)		TRG	Yes	N	U		U	Y	0.086	0.19	0.086	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	PERFLUOROOCTANE SULFONIC ACID	0.40	TRG	Yes	Y				Y	0.10	0.19	0.19	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	Perfluorooctanoic acid (PFOA)		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	Perfluoropentanesulfonic Acid (Pfpes)		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	PERFLUOROPENTANOIC ACID (PFPeA)		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	PERFLUOROTETRADECANOIC ACID (PFTeA)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	PERFLUOROTRIDECANOIC ACID (PFTriA)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-12'-48"-20250709	E1633	1	480-231006-3	PERFLUOROUNDECANOIC ACID (PFUnA)		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	ALUMINUM	18100	TRG	Yes	Y				Y	9.7	11.2	11.2	mg/kg	Level 4	
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	ANTIMONY		TRG	Yes	N	U	UJ	UJ	Y	0.59	16.8	0.59	mg/kg	Level 4	MS-
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	ARSENIC	1.6	TRG	Yes	Y	J	J	J	Y	0.99	2.2	2.2	mg/kg	Level 4	RL
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	BARIUM	114	TRG	Yes	Y				Y	0.16	0.56	0.56	mg/kg	Level 4	
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	BERYLLIUM	0.42	TRG	Yes	Y				Y	0.045	0.22	0.22	mg/kg	Level 4	
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	CADMIUM	0.29	TRG	Yes	Y				Y	0.078	0.22	0.22	mg/kg	Level 4	
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	CALCIUM	12100	TRG	Yes	Y		J+	J+	Y	30.3	56.0	56.0	mg/kg	Level 4	MS+
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	CHROMIUM, TOTAL	22.6	TRG	Yes	Y				Y	0.40	0.56	0.56	mg/kg	Level 4	
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	COBALT	18.7	TRG	Yes	Y				Y	0.11	0.56	0.56	mg/kg	Level 4	
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	COPPER	102	TRG	Yes	Y				Y	0.64	1.1	1.1	mg/kg	Level 4	
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	IRON	34300	TRG	Yes	Y		J	J	Y	9.5	11.2	11.2	mg/kg	Level 4	SD,IC
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	LEAD	21.4	TRG	Yes	Y				Y	0.52	1.1	1.1	mg/kg	Level 4	
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	MAGNESIUM	8370	TRG	Yes	Y		J+	J+	Y	9.5	22.4	22.4	mg/kg	Level 4	MS+
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	MANGANESE	370	TRG	Yes	Y				Y	0.31	1.1	1.1	mg/kg	Level 4	
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	NICKEL	24.9	TRG	Yes	Y				Y	0.28	5.6	5.6	mg/kg	Level 4	
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	POTASSIUM	3980	TRG	Yes	Y				Y	27.2	33.6	33.6	mg/kg	Level 4	
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	SELENIUM		TRG	Yes	N	U		U	Y	0.90	4.5	0.90	mg/kg	Level 4	
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	SILVER	0.35	TRG	Yes	Y	JT	J	J	Y	0.22	0.67	0.67	mg/kg	Level 4	RL
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	SODIUM	2130	TRG	Yes	Y				Y	68.7	157	157	mg/kg	Level 4	
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	THALLIUM		TRG	Yes	N	U		U	Y	0.85	6.7	0.85	mg/kg	Level 4	
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	VANADIUM	61.5	TRG	Yes	Y				Y	0.15	0.56	0.56	mg/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
SB1-12'-48"-20250709	SW6010D	1	480-231006-3	ZINC	105	TRG	Yes	Y	T			Y	1.1	2.2	2.2	mg/kg	Level 4	
SB1-12'-48"-20250709	SW7471B	1	480-231006-3	MERCURY	0.0056	TRG	Yes	Y	J	J	J	Y	0.0048	0.021	0.021	mg/kg	Level 4	RL
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	ALDRIN		TRG	Yes	N	UT			Y	16	67	16	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)		TRG	Yes	N	U			Y	12	67	12	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	ALPHA CHLORDANE		TRG	Yes	N	UT			Y	33	67	33	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	ALPHA ENDOSULFAN		TRG	Yes	N	UT			Y	13	67	13	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)		TRG	Yes	N	U			Y	12	67	12	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	BETA ENDOSULFAN		TRG	Yes	N	U			Y	12	67	12	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)		TRG	Yes	N	U			Y	12	67	12	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	DIELDRIN		TRG	Yes	N	UT			Y	16	67	16	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	ENDOSULFAN SULFATE		TRG	Yes	N	U			Y	12	67	12	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	ENDRIN		TRG	Yes	N	U			Y	13	67	13	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	ENDRIN ALDEHYDE		TRG	Yes	N	UT			Y	17	67	17	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	ENDRIN KETONE		TRG	Yes	N	U			Y	16	67	16	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	GAMMA BHC (LINDANE)		TRG	Yes	N	U			Y	12	67	12	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	HEPTACHLOR		TRG	Yes	N	U			Y	14	67	14	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	HEPTACHLOR EPOXIDE		TRG	Yes	N	UT			Y	17	67	17	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	METHOXYCHLOR		TRG	Yes	N	U			Y	14	67	14	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	P,P'-DDD		TRG	Yes	N	U			Y	13	67	13	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	P,P'-DDE		TRG	Yes	N	U			Y	14	67	14	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	P,P'-DDT	32	TRG	Yes	Y	J	J	J	Y	16	67	67	ug/kg	Level 4	RL
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	TOXAPHENE		TRG	Yes	N	U			Y	390	670	390	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8081B	20	480-231006-3	trans-Chlordane		TRG	Yes	N	UT			Y	21	67	21	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8082A	1	480-231006-3	PCB-1016 (AROCLOR 1016)		TRG	Yes	N	U		U	Y	0.0056	0.018	0.0056	mg/kg	Level 4	
SB1-12'-48"-20250709	SW8082A	1	480-231006-3	PCB-1221 (AROCLOR 1221)		TRG	Yes	N	U		U	Y	0.0056	0.018	0.0056	mg/kg	Level 4	
SB1-12'-48"-20250709	SW8082A	1	480-231006-3	PCB-1232 (AROCLOR 1232)		TRG	Yes	N	U		U	Y	0.0056	0.018	0.0056	mg/kg	Level 4	
SB1-12'-48"-20250709	SW8082A	1	480-231006-3	PCB-1242 (AROCLOR 1242)		TRG	Yes	N	U		U	Y	0.0056	0.018	0.0056	mg/kg	Level 4	
SB1-12'-48"-20250709	SW8082A	1	480-231006-3	PCB-1248 (AROCLOR 1248)		TRG	Yes	N	U		U	Y	0.0056	0.018	0.0056	mg/kg	Level 4	
SB1-12'-48"-20250709	SW8082A	1	480-231006-3	PCB-1254 (AROCLOR 1254)		TRG	Yes	N	U	UJ	UJ	Y	0.0068	0.018	0.0068	mg/kg	Level 4	MS-,CV-
SB1-12'-48"-20250709	SW8082A	1	480-231006-3	PCB-1260 (AROCLOR 1260)		TRG	Yes	N	UT	UJ	UJ	Y	0.0068	0.018	0.0068	mg/kg	Level 4	MS-,CV-
SB1-12'-48"-20250709	SW8151A	1	480-231006-3	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)		TRG	Yes	N	U		U	Y	5.6	18	5.6	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8151A	1	480-231006-3	2,4-D (DICHLOROPHENOXYACETIC ACID)		TRG	Yes	N	U		U	Y	11	18	11	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8151A	1	480-231006-3	DICHLOROPROP		TRG	Yes	N	U		U	Y	8.8	18	8.8	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8151A	1	480-231006-3	PENTACHLOROPHENOL		TRG	Yes	N	U		U	Y	5.7	18	5.7	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8151A	1	480-231006-3	PICLORAM		TRG	Yes	N	U		U	Y	7.6	18	7.6	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8151A	1	480-231006-3	SILVEX (2,4,5-TP)		TRG	Yes	N	U		U	Y	6.3	18	6.3	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	2,4,5-TRICHLOROPHENOL		TRG	Yes	N	U		U	Y	350	1700	350	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	2,4,6-TRICHLOROPHENOL		TRG	Yes	N	U		U	Y	260	1700	260	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	2,4-DICHLOROPHENOL		TRG	Yes	N	U		U	Y	340	1700	340	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	2,4-DIMETHYLPHENOL		TRG	Yes	N	U		U	Y	370	1700	370	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	2,4-DINITROPHENOL		TRG	Yes	N	U		U	Y	330	17000	330	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	2,4-DINITROTOLUENE		TRG	Yes	N	U		U	Y	240	1700	240	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	2,6-DINITROTOLUENE		TRG	Yes	N	U		U	Y	250	1700	250	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	2-CHLORONAPHTHALENE		TRG	Yes	N	U		U	Y	320	1700	320	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	2-CHLOROPHENOL		TRG	Yes	N	U		U	Y	270	1700	270	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	2-Methylnaphthalene	810	TRG	Yes	Y	J	J	J	Y	270	1700	1700	ug/kg	Level 4	RL
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	2-Methylphenol (O-Cresol)		TRG	Yes	N	U		U	Y	280	1700	280	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	2-NITROANILINE		TRG	Yes	N	U		U	Y	290	3400	290	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	2-NITROPHENOL		TRG	Yes	N	U		U	Y	200	1700	200	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	3,3'-DICHLOROBENZIDINE		TRG	Yes	N	U		U	Y	510	3400	510	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	3-NITROANILINE		TRG	Yes	N	U		U	Y	250	3400	250	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	4,6-DINITRO-2-METHYLPHENOL		TRG	Yes	N	U		U	Y	380	3400	380	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	4-BROMOPHENYL PHENYL ETHER		TRG	Yes	N	U		U	Y	290	1700	290	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	4-CHLORO-3-METHYLPHENOL		TRG	Yes	N	U		U	Y	360	1700	360	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	4-CHLOROANILINE		TRG	Yes	N	U		U	Y	250	1700	250	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	4-CHLOROPHENYL PHENYL ETHER		TRG	Yes	N	U		U	Y	360	1700	360	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	4-METHYLPHENOL (P-CRESOL)		TRG	Yes	N	U		U	Y	310	3400	310	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	4-NITROANILINE		TRG	Yes	N	U		U	Y	250	3400	250	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	4-NITROPHENOL		TRG	Yes	N	U		U	Y	470	3400	470	ug/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	ACENAPHTHENE		TRG	Yes	N	U		U	Y	320	1700	320	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	ACENAPHTHYLENE	730	TRG	Yes	Y	J	J	J	Y	330	1700	1700	ug/kg	Level 4	RL
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	ACETOPHENONE		TRG	Yes	N	U		U	Y	310	1700	310	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	ANTHRACENE	1300	TRG	Yes	Y	J	J	J	Y	320	1700	1700	ug/kg	Level 4	RL
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	ATRAZINE		TRG	Yes	N	U		U	Y	590	1700	590	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	BENZALDEHYDE		TRG	Yes	N	U		U	Y	1300	1700	1300	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	BENZO(A)ANTHRACENE	3200	TRG	Yes	Y				Y	240	1700	1700	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	BENZO(A)PYRENE	2800	TRG	Yes	Y				Y	300	1700	1700	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	BENZO(B)FLUORANTHENE	2500	TRG	Yes	Y				Y	230	1700	1700	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	BENZO(G,H,I)PERYLENE	2100	TRG	Yes	Y				Y	300	1700	1700	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	BENZO(K)FLUORANTHENE	1400	TRG	Yes	Y	J	J	J	Y	390	1700	1700	ug/kg	Level 4	RL
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	BENZYL BUTYL PHTHALATE		TRG	Yes	N	U		U	Y	320	1700	320	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	BIPHENYL (DIPHENYL)		TRG	Yes	N	U		U	Y	330	1700	330	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	BIS(2-CHLOROETHOXY) METHANE		TRG	Yes	N	U		U	Y	330	1700	330	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)		TRG	Yes	N	U		U	Y	330	1700	330	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	BIS(2-CHLOROISOPROPYL) ETHER		TRG	Yes	N	U		U	Y	360	1700	360	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	BIS(2-ETHYLHEXYL) PHTHALATE		TRG	Yes	N	U		U	Y	380	1700	380	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	CAPROLACTAM		TRG	Yes	N	U		U	Y	400	1700	400	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	CARBAZOLE		TRG	Yes	N	U		U	Y	340	1700	340	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	CHRYSENE	3600	TRG	Yes	Y				Y	420	1700	1700	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	DIBENZ(A,H)ANTHRACENE	480	TRG	Yes	Y	J	J	J	Y	350	1700	1700	ug/kg	Level 4	RL
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	DIBENZOFURAN		TRG	Yes	N	U		U	Y	310	1700	310	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	DIETHYL PHTHALATE		TRG	Yes	N	U		U	Y	310	1700	310	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	DIMETHYL PHTHALATE		TRG	Yes	N	U		U	Y	330	1700	330	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	DI-N-BUTYL PHTHALATE		TRG	Yes	N	U		U	Y	390	1700	390	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	DI-N-OCTYLPHTHALATE		TRG	Yes	N	U		U	Y	330	1700	330	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	FLUORANTHENE	4400	TRG	Yes	Y				Y	320	1700	1700	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	FLUORENE	490	TRG	Yes	Y	J	J	J	Y	320	1700	1700	ug/kg	Level 4	RL
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	HEXACHLOROBENZENE		TRG	Yes	N	U		U	Y	330	1700	330	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	HEXACHLOROBUTADIENE		TRG	Yes	N	U		U	Y	260	1700	260	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	HEXACHLOROCYCLOPENTADIENE		TRG	Yes	N	U	UJ	UJ	Y	760	3400	760	ug/kg	Level 4	CV-
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	HEXACHLOROETHANE		TRG	Yes	N	U		U	Y	320	1700	320	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	INDENO(1,2,3-C,D)PYRENE	1200	TRG	Yes	Y	J	J	J	Y	260	1700	1700	ug/kg	Level 4	RL
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	ISOPHORONE		TRG	Yes	N	U		U	Y	360	1700	360	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	NAPHTHALENE	910	TRG	Yes	Y	J	J	J	Y	290	1700	1700	ug/kg	Level 4	RL
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	NITROBENZENE		TRG	Yes	N	U		U	Y	290	1700	290	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	N-NITROSODI-N-PROPYLAMINE		TRG	Yes	N	U		U	Y	390	1700	390	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	N-NITROSODIPHENYLAMINE		TRG	Yes	N	U		U	Y	290	1700	290	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	PENTACHLOROPHENOL		TRG	Yes	N	U		U	Y	550	3400	550	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	PHENANTHRENE	3200	TRG	Yes	Y				Y	330	1700	1700	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	PHENOL		TRG	Yes	N	U		U	Y	320	1700	320	ug/kg	Level 4	
SB1-12'-48"-20250709	SW8270D	10	480-231006-3	PYRENE	8000	TRG	Yes	Y				Y	330	1700	1700	ug/kg	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID		TRG	Yes	N	U		U	Y	0.076	0.19	0.076	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)		TRG	Yes	N	U		U	Y	0.12	0.38	0.12	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		TRG	Yes	N	U		U	Y	0.096	0.38	0.096	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)		TRG	Yes	N	U		U	Y	0.12	0.38	0.12	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol		TRG	Yes	N	U		U	Y	0.29	0.96	0.29	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol		TRG	Yes	N	U		U	Y	0.29	0.96	0.29	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	2-(N-methyl perfluorooctanesulfonamido) acetic acid		TRG	Yes	N	U		U	Y	0.076	0.19	0.076	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.48	0.96	0.48	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	3-Perfluoroheptyl propanoic acid		TRG	Yes	N	U		U	Y	0.38	0.96	0.38	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	3-Perfluoropropyl propanoic acid		TRG	Yes	N	U		U	Y	0.19	0.38	0.19	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID		TRG	Yes	N	U		U	Y	0.086	0.19	0.086	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	N-ethyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	Y	0.096	0.19	0.096	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine		TRG	Yes	N	U		U	Y	0.11	0.19	0.11	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	N-methyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	Y	0.086	0.19	0.086	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	Nonafluoro-3,6-dioxaheptanoic acid		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	Perfluoro(2-ethoxyethane)sulfonic acid		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
SB1-7'-8'-20250709	E1633	1	480-231006-4	PERFLUORO(2-PROPOXYPROPANOIC) ACID		TRG	Yes	N	U		U	Y	0.11	0.19	0.11	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	Perfluoro-3-methoxypropanoic acid		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	Perfluoro-4-methoxybutanoic acid		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	PERFLUOROBUTANESULFONIC ACID		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.12	0.38	0.12	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	PERFLUORODECANE SULFONIC ACID		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	PERFLUORODECANOIC ACID (PFDA)		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	Perfluorododecane sulfonate (PFDoDS)		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	PERFLUORODODECANOIC ACID (PFDoA)		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	PERFLUOROHEPTANE SULFONATE (PFHpS)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	Perfluoroheptanoic Acid (PFHpA)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	PERFLUOROHEXANESULFONIC ACID		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	PERFLUOROHEXANOIC ACID (PFHxA)		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	Perfluorononanesulfonic Acid (Pfns)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	PERFLUORONONANOIC ACID		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	Perfluorooctane Sulfonamide (FOSA)		TRG	Yes	N	U		U	Y	0.086	0.19	0.086	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	PERFLUOROOCTANE SULFONIC ACID	1.3	TRG	Yes	Y				Y	0.11	0.19	0.19	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	Perfluorooctanoic acid (PFOA)		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	Perfluoropentanesulfonic Acid (Pfpes)		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	PERFLUOROPENTANOIC ACID (PFPeA)		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	PERFLUOROTETRADECANOIC ACID (PFTeA)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	PERFLUOROTRIDECANOIC ACID (PFTriA)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB1-7'-8'-20250709	E1633	1	480-231006-4	PERFLUOROUNDECANOIC ACID (PFUnA)		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	1,1,1-TRICHLOROETHANE		TRG	Yes	N	UT		U	Y	15	54	15	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	1,1,2,2-TETRACHLOROETHANE		TRG	Yes	N	UT		U	Y	8.7	54	8.7	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE		TRG	Yes	N	U		U	Y	27	54	27	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	1,1,2-TRICHLOROETHANE		TRG	Yes	N	UT		U	Y	11	54	11	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	1,1-DICHLOROETHANE		TRG	Yes	N	UT		U	Y	17	54	17	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	1,1-DICHLOROETHENE		TRG	Yes	N	U		U	Y	19	54	19	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	1,2,4-TRICHLOROBENZENE		TRG	Yes	N	UT		U	Y	20	54	20	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	1,2-DIBROMO-3-CHLOROPROPANE		TRG	Yes	N	UT	UJ	UJ	Y	27	54	27	ug/kg	Level 4	CV-
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)		TRG	Yes	N	UT		U	Y	9.4	54	9.4	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	1,2-DICHLOROBENZENE		TRG	Yes	N	UT		U	Y	14	54	14	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	1,2-DICHLOROETHANE		TRG	Yes	N	UT		U	Y	22	54	22	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	1,2-DICHLOROPROPANE		TRG	Yes	N	UT		U	Y	8.7	54	8.7	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	1,3-DICHLOROBENZENE		TRG	Yes	N	UT		U	Y	14	54	14	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	1,4-DICHLOROBENZENE		TRG	Yes	N	UT		U	Y	7.5	54	7.5	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	2-HEXANONE		TRG	Yes	N	UT		U	Y	110	270	110	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	ACETONE		TRG	Yes	N	UT		U	Y	220	270	220	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	BENZENE		TRG	Yes	N	UT		U	Y	10	54	10	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	BROMODICHLOROMETHANE		TRG	Yes	N	U	UJ	UJ	Y	11	54	11	ug/kg	Level 4	CV-
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	BROMOFORM		TRG	Yes	N	U	UJ	UJ	Y	27	54	27	ug/kg	Level 4	CV-
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	BROMOMETHANE		TRG	Yes	N	U		U	Y	12	54	12	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	CARBON DISULFIDE		TRG	Yes	N	U		U	Y	24	54	24	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	CARBON TETRACHLORIDE		TRG	Yes	N	U		U	Y	14	54	14	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	CHLOROBENZENE		TRG	Yes	N	UT		U	Y	7.1	54	7.1	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	CHLOROETHANE		TRG	Yes	N	U		U	Y	11	54	11	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	CHLOROFORM		TRG	Yes	N	UT		U	Y	37	54	37	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	CHLOROMETHANE		TRG	Yes	N	U		U	Y	13	54	13	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	Cis-1,2-Dichloroethylene		TRG	Yes	N	UT		U	Y	15	54	15	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	CIS-1,3-DICHLOROPROPENE		TRG	Yes	N	U		U	Y	13	54	13	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	CYCLOHEXANE		TRG	Yes	N	UT		U	Y	12	54	12	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	DIBROMOCHLOROMETHANE		TRG	Yes	N	U	UJ	UJ	Y	26	54	26	ug/kg	Level 4	CV-
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	DICHLORODIFLUOROMETHANE		TRG	Yes	N	U		U	Y	23	54	23	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	ETHYLBENZENE		TRG	Yes	N	UT		U	Y	16	54	16	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	Isopropylbenzene (Cumene)		TRG	Yes	N	UT		U	Y	8.1	54	8.1	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	METHYL ACETATE	100	TRG	Yes	Y	JT	J	J	Y	26	270	270	ug/kg	Level 4	RL,MS+
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	METHYL ETHYL KETONE (2-BUTANONE)		TRG	Yes	N	UT		U	Y	160	270	160	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)		TRG	Yes	N	UT		U	Y	17	270	17	ug/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	METHYLCYCLOHEXANE		TRG	Yes	N	UT		U	Y	25	54	25	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	METHYLENE CHLORIDE		TRG	Yes	N	UT		U	Y	11	54	11	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	STYRENE		TRG	Yes	N	UT		U	Y	13	54	13	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	TERT-BUTYL METHYL ETHER		TRG	Yes	N	UT		U	Y	20	54	20	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	TETRACHLOROETHYLENE(PCE)		TRG	Yes	N	UT		U	Y	7.2	54	7.2	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	TOLUENE		TRG	Yes	N	UT		U	Y	14	54	14	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	TRANS-1,2-DICHLOROETHENE		TRG	Yes	N	UT		U	Y	13	54	13	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	TRANS-1,3-DICHLOROPROPENE		TRG	Yes	N	UT		U	Y	5.3	54	5.3	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	TRICHLOROETHYLENE (TCE)		TRG	Yes	N	UT		U	Y	15	54	15	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	TRICHLOROFLUOROMETHANE		TRG	Yes	N	U		U	Y	25	54	25	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	VINYL CHLORIDE		TRG	Yes	N	U		U	Y	18	54	18	ug/kg	Level 4	
SB1-7'-8'-20250709	SW8260C	1	480-231006-4	Xylenes		TRG	Yes	N	UT		U	Y	30	110	30	ug/kg	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID		TRG	Yes	N	U		U	Y	0.080	0.20	0.080	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)		TRG	Yes	N	U		U	Y	0.13	0.40	0.13	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		TRG	Yes	N	U		U	Y	0.10	0.40	0.10	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)		TRG	Yes	N	U		U	Y	0.13	0.40	0.13	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol		TRG	Yes	N	U		U	Y	0.30	1.0	0.30	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol		TRG	Yes	N	U		U	Y	0.30	1.0	0.30	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	2-(N-methyl perfluorooctanesulfonamido) acetic acid		TRG	Yes	N	U		U	Y	0.080	0.20	0.080	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.50	1.0	0.50	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	3-Perfluoroheptyl propanoic acid		TRG	Yes	N	U		U	Y	0.40	1.0	0.40	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	3-Perfluoropropyl propanoic acid		TRG	Yes	N	U		U	Y	0.20	0.40	0.20	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID		TRG	Yes	N	U		U	Y	0.090	0.20	0.090	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	N-ethyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	Y	0.10	0.20	0.10	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine		TRG	Yes	N	U		U	Y	0.11	0.20	0.11	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	N-methyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	Y	0.090	0.20	0.090	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	Nonafluoro-3,6-dioxaheptanoic acid		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	Perfluoro(2-ethoxyethane)sulfonic acid		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	PERFLUORO(2-PROPOXYPROPANOIC) ACID		TRG	Yes	N	U		U	Y	0.11	0.20	0.11	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	Perfluoro-3-methoxypropanoic acid		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	Perfluoro-4-methoxybutanoic acid		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	PERFLUOROBUTANESULFONIC ACID		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.13	0.40	0.13	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	PERFLUORODECANE SULFONIC ACID		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	PERFLUORODECANOIC ACID (PFDA)		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	Perfluorododecane sulfonate (PFDoDS)		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	PERFLUORODODECANOIC ACID (PFDoA)		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	PERFLUOROHEPTANE SULFONATE (PFHpS)		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	Perfluoroheptanoic Acid (PFHpA)		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	PERFLUOROHEXANESULFONIC ACID		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	PERFLUOROHEXANOIC ACID (PFHxA)		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	Perfluorononanesulfonic Acid (Pfns)		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	PERFLUORONONANOIC ACID		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	Perfluorooctane Sulfonamide (FOSA)		TRG	Yes	N	U		U	Y	0.090	0.20	0.090	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	PERFLUOROOCTANE SULFONIC ACID	0.83	TRG	Yes	Y				Y	0.11	0.20	0.20	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	Perfluorooctanoic acid (PFOA)		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	Perfluoropentanesulfonic Acid (Pfpes)		TRG	Yes	N	U		U	Y	0.060	0.20	0.060	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	PERFLUOROPENTANOIC ACID (PFPeA)		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	PERFLUOROTETRADECANOIC ACID (PFTeA)		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	PERFLUOROTRIDECANOIC ACID (PFTriA)		TRG	Yes	N	U		U	Y	0.070	0.20	0.070	ng/g	Level 4	
SB1-5'-8'-20250709	E1633	1	480-231006-5	PERFLUOROUNDECANOIC ACID (PFUnA)		TRG	Yes	N	U		U	Y	0.050	0.20	0.050	ng/g	Level 4	
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	ALUMINUM	15800	TRG	Yes	Y				Y	9.4	10.9	10.9	mg/kg	Level 4	
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	ANTIMONY		TRG	Yes	N	UT	UJ	UJ	Y	0.58	16.3	0.58	mg/kg	Level 4	MS-
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	ARSENIC		TRG	Yes	N	U		U	Y	0.96	2.2	0.96	mg/kg	Level 4	
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	BARIUM	149	TRG	Yes	Y				Y	0.15	0.54	0.54	mg/kg	Level 4	
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	BERYLLIUM	0.40	TRG	Yes	Y				Y	0.043	0.22	0.22	mg/kg	Level 4	
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	CADMIUM		TRG	Yes	N	U		U	Y	0.076	0.22	0.076	mg/kg	Level 4	
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	CALCIUM	6400	TRG	Yes	Y	T	J+	J+	Y	29.3	54.3	54.3	mg/kg	Level 4	MS+

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	CHROMIUM, TOTAL	26.6	TRG	Yes	Y				Y	0.39	0.54	0.54	mg/kg	Level 4	
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	COBALT	12.1	TRG	Yes	Y				Y	0.11	0.54	0.54	mg/kg	Level 4	
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	COPPER	31.3	TRG	Yes	Y				Y	0.62	1.1	1.1	mg/kg	Level 4	
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	IRON	25300	TRG	Yes	Y		J	J	Y	9.2	10.9	10.9	mg/kg	Level 4	SD,IC
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	LEAD	9.3	TRG	Yes	Y				Y	0.50	1.1	1.1	mg/kg	Level 4	
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	MAGNESIUM	7480	TRG	Yes	Y	T	J+	J+	Y	9.2	21.7	21.7	mg/kg	Level 4	MS+
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	MANGANESE	297	TRG	Yes	Y	T			Y	0.30	1.1	1.1	mg/kg	Level 4	
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	NICKEL	21.4	TRG	Yes	Y				Y	0.27	5.4	5.4	mg/kg	Level 4	
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	POTASSIUM	6570	TRG	Yes	Y				Y	26.3	32.6	32.6	mg/kg	Level 4	
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	SELENIUM		TRG	Yes	N	U		U	Y	0.87	4.3	0.87	mg/kg	Level 4	
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	SILVER		TRG	Yes	N	UT		U	Y	0.22	0.65	0.22	mg/kg	Level 4	
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	SODIUM	344	TRG	Yes	Y				Y	66.6	152	152	mg/kg	Level 4	
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	THALLIUM		TRG	Yes	N	U		U	Y	0.82	6.5	0.82	mg/kg	Level 4	
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	VANADIUM	45.6	TRG	Yes	Y				Y	0.14	0.54	0.54	mg/kg	Level 4	
SB1-5'-8'-20250709	SW6010D	1	480-231006-5	ZINC	59.4	TRG	Yes	Y	T			Y	1.1	2.2	2.2	mg/kg	Level 4	
SB1-5'-8'-20250709	SW7471B	1	480-231006-5	MERCURY	0.0060	TRG	Yes	Y	J	J	J	Y	0.0050	0.022	0.022	mg/kg	Level 4	RL
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	ALDRIN		TRG	Yes	N	U		U	Y	17	67	17	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)		TRG	Yes	N	U		U	Y	12	67	12	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	ALPHA CHLORDANE		TRG	Yes	N	U		U	Y	33	67	33	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	ALPHA ENDOSULFAN		TRG	Yes	N	U		U	Y	13	67	13	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)		TRG	Yes	N	U		U	Y	12	67	12	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	BETA ENDOSULFAN		TRG	Yes	N	U		U	Y	12	67	12	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)		TRG	Yes	N	U		U	Y	13	67	13	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	DIELDRIN		TRG	Yes	N	U		U	Y	16	67	16	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	ENDOSULFAN SULFATE		TRG	Yes	N	U		U	Y	13	67	13	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	ENDRIN		TRG	Yes	N	U		U	Y	13	67	13	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	ENDRIN ALDEHYDE		TRG	Yes	N	U		U	Y	17	67	17	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	ENDRIN KETONE		TRG	Yes	N	U		U	Y	17	67	17	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	GAMMA BHC (LINDANE)		TRG	Yes	N	U		U	Y	12	67	12	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	HEPTACHLOR		TRG	Yes	N	U		U	Y	15	67	15	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	HEPTACHLOR EPOXIDE		TRG	Yes	N	U		U	Y	17	67	17	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	METHOXYCHLOR		TRG	Yes	N	U		U	Y	14	67	14	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	P,P'-DDD		TRG	Yes	N	U		U	Y	13	67	13	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	P,P'-DDE		TRG	Yes	N	U		U	Y	14	67	14	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	P,P'-DDT	31	TRG	Yes	Y	J	J	J	Y	16	67	67	ug/kg	Level 4	RL,SR+
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	TOXAPHENE		TRG	Yes	N	U		U	Y	390	670	390	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8081B	20	480-231006-5	trans-Chlordane		TRG	Yes	N	U		U	Y	21	67	21	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8082A	1	480-231006-5	PCB-1016 (AROCLOR 1016)		TRG	Yes	N	U		U	Y	0.0055	0.018	0.0055	mg/kg	Level 4	
SB1-5'-8'-20250709	SW8082A	1	480-231006-5	PCB-1221 (AROCLOR 1221)		TRG	Yes	N	U		U	Y	0.0055	0.018	0.0055	mg/kg	Level 4	
SB1-5'-8'-20250709	SW8082A	1	480-231006-5	PCB-1232 (AROCLOR 1232)		TRG	Yes	N	U		U	Y	0.0055	0.018	0.0055	mg/kg	Level 4	
SB1-5'-8'-20250709	SW8082A	1	480-231006-5	PCB-1242 (AROCLOR 1242)		TRG	Yes	N	U		U	Y	0.0055	0.018	0.0055	mg/kg	Level 4	
SB1-5'-8'-20250709	SW8082A	1	480-231006-5	PCB-1248 (AROCLOR 1248)		TRG	Yes	N	U		U	Y	0.0055	0.018	0.0055	mg/kg	Level 4	
SB1-5'-8'-20250709	SW8082A	1	480-231006-5	PCB-1254 (AROCLOR 1254)		TRG	Yes	N	U	UJ	UJ	Y	0.0066	0.018	0.0066	mg/kg	Level 4	CV-
SB1-5'-8'-20250709	SW8082A	1	480-231006-5	PCB-1260 (AROCLOR 1260)		TRG	Yes	N	U	UJ	UJ	Y	0.0066	0.018	0.0066	mg/kg	Level 4	CV-
SB1-5'-8'-20250709	SW8151A	1	480-231006-5	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)		TRG	Yes	N	U		U	Y	5.5	17	5.5	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8151A	1	480-231006-5	2,4-D (DICHLOROPHENOXYACETIC ACID)		TRG	Yes	N	U		U	Y	11	17	11	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8151A	1	480-231006-5	DICHLOROPROP		TRG	Yes	N	U		U	Y	8.7	17	8.7	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8151A	1	480-231006-5	PENTACHLOROPHENOL		TRG	Yes	N	U		U	Y	5.6	17	5.6	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8151A	1	480-231006-5	PICLORAM		TRG	Yes	N	U		U	Y	7.5	17	7.5	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8151A	1	480-231006-5	SILVEX (2,4,5-TP)		TRG	Yes	N	U		U	Y	6.2	17	6.2	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	1,1,1-TRICHLOROETHANE		TRG	Yes	N	U	UJ	UJ	Y	27	96	27	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	1,1,2,2-TETRACHLOROETHANE		TRG	Yes	N	U	UJ	UJ	Y	16	96	16	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE		TRG	Yes	N	U	UJ	UJ	Y	48	96	48	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	1,1,2-TRICHLOROETHANE		TRG	Yes	N	U	UJ	UJ	Y	20	96	20	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	1,1-DICHLOROETHANE		TRG	Yes	N	U	UJ	UJ	Y	30	96	30	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	1,1-DICHLOROETHENE		TRG	Yes	N	U	UJ	UJ	Y	33	96	33	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	1,2,4-TRICHLOROBENZENE		TRG	Yes	N	U	UJ	UJ	Y	36	96	36	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	1,2-DIBROMO-3-CHLOROPROPANE		TRG	Yes	N	U	UJ	UJ	Y	48	96	48	ug/kg	Level 4	CV-,OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)		TRG	Yes	N	U	UJ	UJ	Y	17	96	17	ug/kg	Level 4	OT

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	1,2-DICHLOROBENZENE		TRG	Yes	N	U	UJ	UJ	Y	25	96	25	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	1,2-DICHLOROETHANE		TRG	Yes	N	U	UJ	UJ	Y	39	96	39	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	1,2-DICHLOROPROPANE		TRG	Yes	N	U	UJ	UJ	Y	16	96	16	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	1,3-DICHLOROBENZENE		TRG	Yes	N	U	UJ	UJ	Y	26	96	26	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	1,4-DICHLOROBENZENE		TRG	Yes	N	U	UJ	UJ	Y	13	96	13	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	2-HEXANONE		TRG	Yes	N	U	UJ	UJ	Y	200	480	200	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	ACETONE		TRG	Yes	N	U	UJ	UJ	Y	400	480	400	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	BENZENE		TRG	Yes	N	U	UJ	UJ	Y	18	96	18	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	BROMODICHLOROMETHANE		TRG	Yes	N	U	UJ	UJ	Y	19	96	19	ug/kg	Level 4	CV-,OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	BROMOFORM		TRG	Yes	N	U	UJ	UJ	Y	48	96	48	ug/kg	Level 4	CV-,OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	BROMOMETHANE		TRG	Yes	N	U	UJ	UJ	Y	21	96	21	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	CARBON DISULFIDE		TRG	Yes	N	U	UJ	UJ	Y	44	96	44	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	CARBON TETRACHLORIDE		TRG	Yes	N	U	UJ	UJ	Y	25	96	25	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	CHLOROBENZENE		TRG	Yes	N	U	UJ	UJ	Y	13	96	13	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	CHLOROETHANE		TRG	Yes	N	U	UJ	UJ	Y	20	96	20	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	CHLOROFORM		TRG	Yes	N	U	UJ	UJ	Y	66	96	66	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	CHLOROMETHANE		TRG	Yes	N	U	UJ	UJ	Y	23	96	23	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	Cis-1,2-Dichloroethylene		TRG	Yes	N	U	UJ	UJ	Y	27	96	27	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	CIS-1,3-DICHLOROPROPENE		TRG	Yes	N	U	UJ	UJ	Y	23	96	23	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	CYCLOHEXANE		TRG	Yes	N	U	UJ	UJ	Y	21	96	21	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	DIBROMOCHLOROMETHANE		TRG	Yes	N	U	UJ	UJ	Y	47	96	47	ug/kg	Level 4	CV-,OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	DICHLORODIFLUOROMETHANE		TRG	Yes	N	U	UJ	UJ	Y	42	96	42	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	ETHYLBENZENE		TRG	Yes	N	U	UJ	UJ	Y	28	96	28	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	Isopropylbenzene (Cumene)		TRG	Yes	N	U	UJ	UJ	Y	14	96	14	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	METHYL ACETATE		TRG	Yes	N	U	UJ	UJ	Y	46	480	46	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	METHYL ETHYL KETONE (2-BUTANONE)		TRG	Yes	N	U	UJ	UJ	Y	290	480	290	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)		TRG	Yes	N	U	UJ	UJ	Y	31	480	31	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	METHYLCYCLOHEXANE		TRG	Yes	N	U	UJ	UJ	Y	45	96	45	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	METHYLENE CHLORIDE		TRG	Yes	N	U	UJ	UJ	Y	19	96	19	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	STYRENE		TRG	Yes	N	U	UJ	UJ	Y	23	96	23	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	TERT-BUTYL METHYL ETHER		TRG	Yes	N	U	UJ	UJ	Y	36	96	36	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	TETRACHLOROETHYLENE(PCE)		TRG	Yes	N	U	UJ	UJ	Y	13	96	13	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	TOLUENE		TRG	Yes	N	U	UJ	UJ	Y	26	96	26	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	TRANS-1,2-DICHLOROETHENE		TRG	Yes	N	U	UJ	UJ	Y	23	96	23	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	TRANS-1,3-DICHLOROPROPENE		TRG	Yes	N	U	UJ	UJ	Y	9.5	96	9.5	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	TRICHLOROETHYLENE (TCE)		TRG	Yes	N	U	UJ	UJ	Y	27	96	27	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	TRICHLOROFLUOROMETHANE		TRG	Yes	N	U	UJ	UJ	Y	45	96	45	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	VINYL CHLORIDE		TRG	Yes	N	U	UJ	UJ	Y	32	96	32	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8260C	1	480-231006-5	Xylenes		TRG	Yes	N	U	UJ	UJ	Y	53	190	53	ug/kg	Level 4	OT
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	2,4,5-TRICHLOROPHENOL		TRG	Yes	N	U		U	Y	350	1700	350	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	2,4,6-TRICHLOROPHENOL		TRG	Yes	N	U		U	Y	260	1700	260	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	2,4-DICHLOROPHENOL		TRG	Yes	N	U		U	Y	330	1700	330	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	2,4-DIMETHYLPHENOL		TRG	Yes	N	U		U	Y	360	1700	360	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	2,4-DINITROPHENOL		TRG	Yes	N	U		U	Y	320	17000	320	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	2,4-DINITROTOLUENE		TRG	Yes	N	U		U	Y	230	1700	230	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	2,6-DINITROTOLUENE		TRG	Yes	N	U		U	Y	240	1700	240	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	2-CHLORONAPHTHALENE		TRG	Yes	N	U		U	Y	320	1700	320	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	2-CHLOROPHENOL		TRG	Yes	N	U		U	Y	270	1700	270	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	2-Methylnaphthalene	680	TRG	Yes	Y	J	J	J	Y	270	1700	1700	ug/kg	Level 4	RL
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	2-Methylphenol (O-Cresol)		TRG	Yes	N	U		U	Y	280	1700	280	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	2-NITROANILINE		TRG	Yes	N	U		U	Y	290	3300	290	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	2-NITROPHENOL		TRG	Yes	N	U		U	Y	190	1700	190	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	3,3'-DICHLOROBENZIDINE		TRG	Yes	N	U		U	Y	500	3300	500	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	3-NITROANILINE		TRG	Yes	N	U		U	Y	240	3300	240	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	4,6-DINITRO-2-METHYLPHENOL		TRG	Yes	N	U		U	Y	370	3300	370	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	4-BROMOPHENYL PHENYL ETHER		TRG	Yes	N	U		U	Y	290	1700	290	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	4-CHLORO-3-METHYLPHENOL		TRG	Yes	N	U		U	Y	350	1700	350	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	4-CHLOROANILINE		TRG	Yes	N	U		U	Y	240	1700	240	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	4-CHLOROPHENYL PHENYL ETHER		TRG	Yes	N	U		U	Y	360	1700	360	ug/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	4-METHYLPHENOL (P-CRESOL)		TRG	Yes	N	U		U	Y	300	3300	300	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	4-NITROANILINE		TRG	Yes	N	U		U	Y	250	3300	250	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	4-NITROPHENOL		TRG	Yes	N	U		U	Y	470	3300	470	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	ACENAPHTHENE	320	TRG	Yes	Y	J	J	J	Y	320	1700	1700	ug/kg	Level 4	RL
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	ACENAPHTHYLENE	480	TRG	Yes	Y	J	J	J	Y	330	1700	1700	ug/kg	Level 4	RL
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	ACETOPHENONE		TRG	Yes	N	U		U	Y	300	1700	300	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	ANTHRACENE	1000	TRG	Yes	Y	J	J	J	Y	310	1700	1700	ug/kg	Level 4	RL
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	ATRAZINE		TRG	Yes	N	U		U	Y	580	1700	580	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	BENZALDEHYDE		TRG	Yes	N	U		U	Y	1300	1700	1300	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	BENZO(A)ANTHRACENE	1400	TRG	Yes	Y	J	J	J	Y	230	1700	1700	ug/kg	Level 4	RL
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	BENZO(A)PYRENE	1600	TRG	Yes	Y	J	J	J	Y	290	1700	1700	ug/kg	Level 4	RL
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	BENZO(B)FLUORANTHENE	1300	TRG	Yes	Y	J	J	J	Y	230	1700	1700	ug/kg	Level 4	RL
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	BENZO(G,H,I)PERYLENE	1400	TRG	Yes	Y	J	J	J	Y	300	1700	1700	ug/kg	Level 4	RL
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	BENZO(K)FLUORANTHENE	390	TRG	Yes	Y	J	J	J	Y	380	1700	1700	ug/kg	Level 4	RL
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	BENZYL BUTYL PHTHALATE		TRG	Yes	N	U		U	Y	310	1700	310	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	BIPHENYL (DIPHENYL)		TRG	Yes	N	U		U	Y	320	1700	320	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	BIS(2-CHLOROETHOXY) METHANE		TRG	Yes	N	U		U	Y	330	1700	330	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)		TRG	Yes	N	U		U	Y	320	1700	320	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	BIS(2-CHLOROISOPROPYL) ETHER		TRG	Yes	N	U		U	Y	350	1700	350	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	BIS(2-ETHYLHEXYL) PHTHALATE		TRG	Yes	N	U		U	Y	370	1700	370	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	CAPROLACTAM		TRG	Yes	N	U		U	Y	390	1700	390	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	CARBAZOLE		TRG	Yes	N	U		U	Y	330	1700	330	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	CHRYSENE	1600	TRG	Yes	Y	J	J	J	Y	410	1700	1700	ug/kg	Level 4	RL
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	DIBENZ(A,H)ANTHRACENE		TRG	Yes	N	U		U	Y	340	1700	340	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	DIBENZOFURAN		TRG	Yes	N	U		U	Y	300	1700	300	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	DIETHYL PHTHALATE		TRG	Yes	N	U		U	Y	300	1700	300	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	DIMETHYL PHTHALATE		TRG	Yes	N	U		U	Y	330	1700	330	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	DI-N-BUTYL PHTHALATE		TRG	Yes	N	U		U	Y	380	1700	380	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	DI-N-OCTYLPHTHALATE		TRG	Yes	N	U		U	Y	320	1700	320	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	FLUORANTHENE	2400	TRG	Yes	Y				Y	310	1700	1700	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	FLUORENE		TRG	Yes	N	U		U	Y	310	1700	310	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	HEXACHLOROBENZENE		TRG	Yes	N	U		U	Y	330	1700	330	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	HEXACHLOROBUTADIENE		TRG	Yes	N	U		U	Y	250	1700	250	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	HEXACHLOROCYCLOPENTADIENE		TRG	Yes	N	U	UJ	UJ	Y	740	3300	740	ug/kg	Level 4	CV-
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	HEXACHLOROETHANE		TRG	Yes	N	U		U	Y	310	1700	310	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	INDENO(1,2,3-C,D)PYRENE	600	TRG	Yes	Y	J	J	J	Y	250	1700	1700	ug/kg	Level 4	RL
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	ISOPHORONE		TRG	Yes	N	U		U	Y	350	1700	350	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	NAPHTHALENE	920	TRG	Yes	Y	J	J	J	Y	280	1700	1700	ug/kg	Level 4	RL
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	NITROBENZENE		TRG	Yes	N	U		U	Y	290	1700	290	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	N-NITROSODI-N-PROPYLAMINE		TRG	Yes	N	U		U	Y	380	1700	380	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	N-NITROSODIPHENYLAMINE		TRG	Yes	N	U		U	Y	280	1700	280	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	PENTACHLOROPHENOL		TRG	Yes	N	U		U	Y	540	3300	540	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	PHENANTHRENE	650	TRG	Yes	Y	J	J	J	Y	320	1700	1700	ug/kg	Level 4	RL
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	PHENOL		TRG	Yes	N	U		U	Y	310	1700	310	ug/kg	Level 4	
SB1-5'-8'-20250709	SW8270D	10	480-231006-5	PYRENE	4400	TRG	Yes	Y				Y	320	1700	1700	ug/kg	Level 4	
RINSATE-20250709	E1633	1	480-231006-6	11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)		TRG	Yes	N	U		U	N	1.0	4.0	1.0	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		TRG	Yes	N	U		U	N	1.0	4.0	1.0	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)		TRG	Yes	N	U		U	N	1.0	4.0	1.0	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol		TRG	Yes	N	U		U	N	4.0	10	4.0	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol		TRG	Yes	N	U		U	N	2.5	10	2.5	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	2-(N-methyl perfluorooctanesulfonamido) acetic acid		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	N	2.8	10	2.8	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	3-Perfluoroheptyl propanoic acid		TRG	Yes	N	U		U	N	2.5	10	2.5	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	3-Perfluoropropyl propanoic acid		TRG	Yes	N	U		U	N	1.0	4.0	1.0	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	N-ethyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
RINSATE-20250709	E1633	1	480-231006-6	N-methyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	Nonafluoro-3,6-dioxaheptanoic acid		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	Perfluoro(2-ethoxyethane)sulfonic acid		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	PERFLUORO(2-PROPOXYPROPANOIC) ACID		TRG	Yes	N	U		U	N	1.4	2.0	1.4	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	Perfluoro-3-methoxypropanoic acid		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	Perfluoro-4-methoxybutanoic acid		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	PERFLUOROBUTANESULFONIC ACID		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	Perfluorobutanoic Acid		TRG	Yes	N	U		U	N	1.1	4.0	1.1	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	PERFLUORODECANE SULFONIC ACID		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	PERFLUORODECANOIC ACID (PFDA)		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	Perfluorododecane sulfonate (PFDoDS)		TRG	Yes	N	U		U	N	0.60	2.0	0.60	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	PERFLUORODODECANOIC ACID (PFDoA)		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	PERFLUOROHEPTANE SULFONATE (PFHpS)		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	Perfluoroheptanoic Acid (PFHpA)		TRG	Yes	N	U		U	N	0.80	2.0	0.80	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	PERFLUOROHEXANESULFONIC ACID		TRG	Yes	N	U		U	N	0.80	2.0	0.80	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	PERFLUOROHEXANOIC ACID (PFHxA)		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	Perfluorononanesulfonic Acid (Pfns)		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	PERFLUORONONANOIC ACID		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	Perfluorooctane Sulfonamide (FOSA)		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	PERFLUOROOCTANE SULFONIC ACID		TRG	Yes	N	U		U	N	1.3	2.0	1.3	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	Perfluorooctanoic acid (PFOA)		TRG	Yes	N	U		U	N	0.90	2.0	0.90	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	Perfluoropentanesulfonic Acid (Pfpes)		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	PERFLUOROPENTANOIC ACID (PFPeA)		TRG	Yes	N	U		U	N	0.60	2.0	0.60	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	PERFLUOROTETRADECANOIC ACID (PFTeA)		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	PERFLUOROTRIDECANOIC ACID (PFTriA)		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
RINSATE-20250709	E1633	1	480-231006-6	PERFLUOROUNDECANOIC ACID (PFUnA)		TRG	Yes	N	U		U	N	0.50	2.0	0.50	ng/l		
SB2-12"-18"-20250709	E1633	1	480-231006-7	11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID		TRG	Yes	N	U		U	Y	0.077	0.19	0.077	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)		TRG	Yes	N	U		U	Y	0.12	0.38	0.12	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		TRG	Yes	N	U		U	Y	0.096	0.38	0.096	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)		TRG	Yes	N	U		U	Y	0.12	0.38	0.12	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol		TRG	Yes	N	U		U	Y	0.29	0.96	0.29	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol		TRG	Yes	N	U		U	Y	0.29	0.96	0.29	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	2-(N-methyl perfluorooctanesulfonamido) acetic acid		TRG	Yes	N	U		U	Y	0.077	0.19	0.077	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.48	0.96	0.48	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	3-Perfluoroheptyl propanoic acid		TRG	Yes	N	U		U	Y	0.38	0.96	0.38	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	3-Perfluoropropyl propanoic acid		TRG	Yes	N	U		U	Y	0.19	0.38	0.19	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.058	0.19	0.058	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID		TRG	Yes	N	U		U	Y	0.086	0.19	0.086	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	N-ethyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	Y	0.096	0.19	0.096	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine		TRG	Yes	N	U		U	Y	0.11	0.19	0.11	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	N-methyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	Y	0.086	0.19	0.086	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	Nonafluoro-3,6-dioxaheptanoic acid		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	Perfluoro(2-ethoxyethane)sulfonic acid		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	PERFLUORO(2-PROPOXYPROPANOIC) ACID		TRG	Yes	N	U		U	Y	0.11	0.19	0.11	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	Perfluoro-3-methoxypropanoic acid		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	Perfluoro-4-methoxybutanoic acid		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	PERFLUOROBUTANESULFONIC ACID		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.12	0.38	0.12	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	PERFLUORODECANE SULFONIC ACID		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	PERFLUORODECANOIC ACID (PFDA)		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	Perfluorododecane sulfonate (PFDoDS)		TRG	Yes	N	U		U	Y	0.058	0.19	0.058	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	PERFLUORODODECANOIC ACID (PFDoA)		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	PERFLUOROHEPTANE SULFONATE (PFHpS)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	Perfluoroheptanoic Acid (PFHpA)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	PERFLUOROHEXANESULFONIC ACID	0.072	TRG	Yes	Y	J	J	J	Y	0.048	0.19	0.19	ng/g	Level 4	RL
SB2-12"-18"-20250709	E1633	1	480-231006-7	PERFLUOROHEXANOIC ACID (PFHxA)		TRG	Yes	N	U		U	Y	0.058	0.19	0.058	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	Perfluorononanesulfonic Acid (Pfns)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	PERFLUORONONANOIC ACID		TRG	Yes	N	U		U	Y	0.058	0.19	0.058	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	Perfluorooctane Sulfonamide (FOSA)		TRG	Yes	N	U		U	Y	0.086	0.19	0.086	ng/g	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
SB2-12"-18"-20250709	E1633	1	480-231006-7	PERFLUOROOCTANE SULFONIC ACID	0.28	TRG	Yes	Y				Y	0.11	0.19	0.19	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	Perfluorooctanoic acid (PFOA)		TRG	Yes	N	U		U	Y	0.058	0.19	0.058	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	Perfluoropentanesulfonic Acid (Pfpes)		TRG	Yes	N	U		U	Y	0.058	0.19	0.058	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	PERFLUOROPENTANOIC ACID (PFPeA)		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	PERFLUOROTETRADECANOIC ACID (PFTeA)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	PERFLUOROTRIDECANOIC ACID (PFTriA)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB2-12"-18"-20250709	E1633	1	480-231006-7	PERFLUOROUNDECANOIC ACID (PFUnA)		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID		TRG	Yes	N	U		U	Y	0.076	0.19	0.076	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)		TRG	Yes	N	U		U	Y	0.12	0.38	0.12	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		TRG	Yes	N	U		U	Y	0.095	0.38	0.095	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)		TRG	Yes	N	U		U	Y	0.12	0.38	0.12	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol		TRG	Yes	N	U		U	Y	0.29	0.95	0.29	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol		TRG	Yes	N	U		U	Y	0.29	0.95	0.29	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	2-(N-methyl perfluorooctanesulfonamido) acetic acid		TRG	Yes	N	U		U	Y	0.076	0.19	0.076	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		TRG	Yes	N	U		U	Y	0.48	0.95	0.48	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	3-Perfluoroheptyl propanoic acid		TRG	Yes	N	U		U	Y	0.38	0.95	0.38	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	3-Perfluoropropyl propanoic acid		TRG	Yes	N	U		U	Y	0.19	0.38	0.19	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID		TRG	Yes	N	U		U	Y	0.086	0.19	0.086	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	N-ethyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	Y	0.095	0.19	0.095	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine		TRG	Yes	N	U		U	Y	0.10	0.19	0.10	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	N-methyl perfluoro-1-octanesulfonamide		TRG	Yes	N	U		U	Y	0.086	0.19	0.086	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	Nonafluoro-3,6-dioxaheptanoic acid		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	Perfluoro(2-ethoxyethane)sulfonic acid		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	PERFLUORO(2-PROPOXYPROPANOIC) ACID		TRG	Yes	N	U		U	Y	0.10	0.19	0.10	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	Perfluoro-3-methoxypropanoic acid		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	Perfluoro-4-methoxybutanoic acid		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	PERFLUOROBUTANESULFONIC ACID		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	Perfluorobutanoic Acid		TRG	Yes	N	U		U	Y	0.12	0.38	0.12	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	PERFLUORODECANE SULFONIC ACID		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	PERFLUORODECANOIC ACID (PFDA)		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	Perfluorododecane sulfonate (PFDoDS)		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	PERFLUORODODECANOIC ACID (PFDoA)		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	PERFLUOROHEPTANE SULFONATE (PFHpS)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	Perfluoroheptanoic Acid (PFHpA)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	PERFLUOROHEXANESULFONIC ACID	0.060	TRG	Yes	Y	J	J	J	Y	0.048	0.19	0.19	ng/g	Level 4	RL
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	PERFLUOROHEXANOIC ACID (PFHxA)		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	Perfluorononanesulfonic Acid (Pfns)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	PERFLUORONONANOIC ACID		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	Perfluorooctane Sulfonamide (FOSA)		TRG	Yes	N	U		U	Y	0.086	0.19	0.086	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	PERFLUOROOCTANE SULFONIC ACID	0.28	TRG	Yes	Y				Y	0.10	0.19	0.19	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	Perfluorooctanoic acid (PFOA)		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	Perfluoropentanesulfonic Acid (Pfpes)		TRG	Yes	N	U		U	Y	0.057	0.19	0.057	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	PERFLUOROPENTANOIC ACID (PFPeA)		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	PERFLUOROTETRADECANOIC ACID (PFTeA)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	PERFLUOROTRIDECANOIC ACID (PFTriA)		TRG	Yes	N	U		U	Y	0.067	0.19	0.067	ng/g	Level 4	
SB2-12"-18" DUP-202507(	E1633	1	480-231006-8	PERFLUOROUNDECANOIC ACID (PFUnA)		TRG	Yes	N	U		U	Y	0.048	0.19	0.048	ng/g	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	1,1,1-TRICHLOROETHANE		TRG	Yes	N	U		U	Y	13	48	13	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	1,1,2,2-TETRACHLOROETHANE		TRG	Yes	N	U		U	Y	7.9	48	7.9	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE		TRG	Yes	N	U		U	Y	24	48	24	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	1,1,2-TRICHLOROETHANE		TRG	Yes	N	U		U	Y	10	48	10	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	1,1-DICHLOROETHANE		TRG	Yes	N	U		U	Y	15	48	15	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	1,1-DICHLOROETHENE		TRG	Yes	N	U		U	Y	17	48	17	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	1,2,4-TRICHLOROBENZENE		TRG	Yes	N	U		U	Y	18	48	18	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	1,2-DIBROMO-3-CHLOROPROPANE		TRG	Yes	N	U	UJ	UJ	Y	24	48	24	ug/kg	Level 4	CV-
SB2-4'-20250709	SW8260C	1	480-231006-9	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)		TRG	Yes	N	U		U	Y	8.5	48	8.5	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	1,2-DICHLOROBENZENE		TRG	Yes	N	U		U	Y	12	48	12	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	1,2-DICHLOROETHANE		TRG	Yes	N	U		U	Y	20	48	20	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	1,2-DICHLOROPROPANE		TRG	Yes	N	U		U	Y	7.8	48	7.8	ug/kg	Level 4	

#sys_sample_code	lab_anl_method_name	dilution_factor	lab_sample_id	chemical_name	result_value	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting_detection_limit	quantitation_limit	detection_limit_unit	validation_level	result_comment
SB2-4'-20250709	SW8260C	1	480-231006-9	1,3-DICHLOROBENZENE		TRG	Yes	N	U		U	Y	13	48	13	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	1,4-DICHLOROBENZENE		TRG	Yes	N	U		U	Y	6.8	48	6.8	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	2-HEXANONE		TRG	Yes	N	U		U	Y	99	240	99	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	ACETONE		TRG	Yes	N	U		U	Y	200	240	200	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	BENZENE		TRG	Yes	N	U		U	Y	9.2	48	9.2	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	BROMODICHLOROMETHANE		TRG	Yes	N	U	UJ	UJ	Y	9.7	48	9.7	ug/kg	Level 4	CV-
SB2-4'-20250709	SW8260C	1	480-231006-9	BROMOFORM		TRG	Yes	N	U	UJ	UJ	Y	24	48	24	ug/kg	Level 4	CV-
SB2-4'-20250709	SW8260C	1	480-231006-9	BROMOMETHANE		TRG	Yes	N	U		U	Y	11	48	11	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	CARBON DISULFIDE		TRG	Yes	N	U		U	Y	22	48	22	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	CARBON TETRACHLORIDE		TRG	Yes	N	U		U	Y	12	48	12	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	CHLOROBENZENE		TRG	Yes	N	U		U	Y	6.4	48	6.4	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	CHLOROETHANE		TRG	Yes	N	U		U	Y	10	48	10	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	CHLOROFORM		TRG	Yes	N	U		U	Y	33	48	33	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	CHLOROMETHANE		TRG	Yes	N	U		U	Y	12	48	12	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	Cis-1,2-Dichloroethylene		TRG	Yes	N	U		U	Y	13	48	13	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	CIS-1,3-DICHLOROPROPENE		TRG	Yes	N	U		U	Y	12	48	12	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	CYCLOHEXANE		TRG	Yes	N	U		U	Y	11	48	11	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	DIBROMOCHLOROMETHANE		TRG	Yes	N	U	UJ	UJ	Y	23	48	23	ug/kg	Level 4	CV-
SB2-4'-20250709	SW8260C	1	480-231006-9	DICHLORODIFLUOROMETHANE		TRG	Yes	N	U		U	Y	21	48	21	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	ETHYLBENZENE		TRG	Yes	N	U		U	Y	14	48	14	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	Isopropylbenzene (Cumene)		TRG	Yes	N	U		U	Y	7.3	48	7.3	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	METHYL ACETATE	440	TRG	Yes	Y				Y	23	240	240	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	METHYL ETHYL KETONE (2-BUTANONE)		TRG	Yes	N	U		U	Y	140	240	140	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)		TRG	Yes	N	U		U	Y	15	240	15	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	METHYLCYCLOHEXANE		TRG	Yes	N	U		U	Y	23	48	23	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	METHYLENE CHLORIDE		TRG	Yes	N	U		U	Y	9.6	48	9.6	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	STYRENE	13	TRG	Yes	Y	J	J	J	Y	12	48	48	ug/kg	Level 4	RL
SB2-4'-20250709	SW8260C	1	480-231006-9	TERT-BUTYL METHYL ETHER		TRG	Yes	N	U		U	Y	18	48	18	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	TETRACHLOROETHYLENE(PCE)		TRG	Yes	N	U		U	Y	6.5	48	6.5	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	TOLUENE	40	TRG	Yes	Y	J	J	J	Y	13	48	48	ug/kg	Level 4	RL
SB2-4'-20250709	SW8260C	1	480-231006-9	TRANS-1,2-DICHLOROETHENE		TRG	Yes	N	U		U	Y	11	48	11	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	TRANS-1,3-DICHLOROPROPENE		TRG	Yes	N	U		U	Y	4.8	48	4.8	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	TRICHLOROETHYLENE (TCE)		TRG	Yes	N	U		U	Y	13	48	13	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	TRICHLOROFLUOROMETHANE		TRG	Yes	N	U		U	Y	23	48	23	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	VINYL CHLORIDE		TRG	Yes	N	U		U	Y	16	48	16	ug/kg	Level 4	
SB2-4'-20250709	SW8260C	1	480-231006-9	Xylenes	46	TRG	Yes	Y	J	J	J	Y	27	97	97	ug/kg	Level 4	RL

SECTION 4

SUPPORT DOCUMENTATION

ENVIRONMENTAL® STANDARDS
Montrose Environmental Group

ORGANIC ANALYSIS SUPPORT DOCUMENTATION

Client Name:	Terracon	EnvStd Project Manager:	Steve Zeiner
Site/Project Name:	HPN Env Management HVAC DV Support	Reviewed by:	Sophie Collet
Job Number/Task:	PROJ-063926 Task1 (Soil Borings)	Approved by:	Heather Paul
Laboratory/Location:	Eurofins Lancaster and Eurofins Buffalo	Completion Date:	2/2026
SDG:	480-231006-1	Validation Level:	Level 4
Sample Collection Dates:	7/9/25		

The following table indicates criteria that were examined, the identified problems, and support documentation attachments.

	Criteria Examined in Detail							Problems Identified						
	Note: All items examined have been included in the Support Document unless otherwise noted.													
	Check (√) if Yes or Footnote Letter for Comments Below													
Parameter/ Method	VOC 8260C	SVCO 8270D	Herb 8151A	PCB 8082A	Pest 8081B			VOC 8260C	SVCO 8270D	Herb 8151A	PCB 8082A	Pest 8081B		
Condition upon Receipt	√	√	√	√	√			√						
Sample Preservation	√	√	√	√	√									
Holding Times	√	√	√		√									
Blank Analysis Results	√	√	√	√	√									
Surrogates	√	√	√	√	√							√		
Laboratory Control Sample	√	√	√	√	√									
Matrix Spike/Matrix Spike Duplicate	√			√	√			√			√			
Laboratory Duplicate														
Field Duplicate	√													
Sample Preparation	√	√	√	√	√									
Detection Limit/Sensitivity	√	√	√	√	√									
Mass Tuning	√	√												
GC Instrument Performance – Resolution Checks and DDT/Endrin Breakdown		√												
Initial Calibrations	√	√	√	√	√									
Continuing Calibrations	√	√	√	√	√			√	√		√			
Internal Standard Performance	√	√			√									
Retention Time Shifts	√	√	√	√	√									
Quantitation of Results	√	√	√	√	√			√	√			√		
Qualitative Identification: Targets	√	√	√	√	√									
Qualitative Identification: TICs														
Multiple Dilutions/Analyses														
Analytical Sequence	√	√	√	√	√									
GC Column Agreement			√	√	√									
Manual Integration	√	√		√	√									
Percent Solids	√	√	√	√	√									
Extract Cleanup Documentation, Checks, and Calibrations					√									
Deliverable was Complete	√	√	√	√	√									
Other:														

Comments: Qualitative Identification, Quantitation of Results, and Manual Integrations are not included in the Support Documentation unless a problem was identified.

ENVIRONMENTAL® STANDARDS
Montrose Environmental Group

HI-RES AND PFAS ORGANIC ANALYSIS SUPPORT DOCUMENTATION

Client Name:	Terracon	EnvStd Project Manager:	Steve Zeiner
Site/Project Name:	HPN Env Management HVAC DV Support	Reviewed by:	Valerie Butterhof
Job Number/Task:	PROJ-063926 Task1 (Soil Borings)	Approved by:	Heather Paul
Laboratory/Location:	Eurofins Lancaster	Completion Date:	2/24/26
SDG:	480-231006-1	Validation Level:	4
Sample Collection Dates:	7/9/25		

The following table indicates criteria that were examined, the identified problems, and support documentation attachments.

	Criteria Examined in Detail **Note:** All items examined have been included in the Support Document unless otherwise noted.							**Problems Identified**						
	Check (√) if Yes or Footnote Letter for Comments Below													
Parameter/ Method	PFAS 1633							PFAS 1633						
Condition Upon Receipt	√													
Sample Preservation	√													
Holding Times	√													
Blank Analysis Results	√													
Laboratory Control Sample/Laboratory Fortified Blank/ On-going Precision and Recovery Standard	√													
Surrogates														
PFAS Pre-Extraction Internal Standards	√													
Laboratory Duplicate														
Field Duplicate	√													
Matrix Spike/Matrix Spike Duplicate	√													
Sample Preparation	√													
Mass Tuning	√													
Initial Calibration	√													
Second-Source Calibration Verification	√													
PFAS Signal Suppression Check														
Peak Asymmetry	√													
Continuing Calibrations	√													
Resolution Check Standards														
Detection Limit/Sensitivity	√													
Post-Extraction Internal Standards	√													
Quantitation of Results	√							√						
Linear/Branched Identification/Quantitation	√													
Qualitative Identification	√													
2,3,7,8-TCDD – 2nd column confirmation														
PFAS Ion Transition Ratio/Hi-Res Ion Ratio	√													
Hi-Res Lock Mass Monitoring														
Dioxin/Furan Chlorodiphenyl Ethers Monitoring														
Analytical Sequence	√													
Percent Solids	√													
Deliverable was Complete	√													
Other: WDM	√													

Comments: Qualitative Identification and Quantitation of Results are not included in the Support Documentation unless a problem was identified.

ENVIRONMENTAL® STANDARDS
Montrose Environmental Group

INORGANIC ANALYSIS SUPPORT DOCUMENTATION

Client Name:	Terracon	EnvStd Project Manager:	Steve Zeiner
Site/Project Name:	HPN Env Management HVAC DV Support	Reviewed by:	Sophie Collet
Project Number/Task:	PROJ-063926 Task1 (Soil Borings)	Approved by:	Heather Paul
Laboratory/Location:	Eurofins Lancaster and Eurofins Buffalo	Completion Date:	2/2026
SDG:	480-231006-1	Validation Level:	Level 4
Sample Collection Dates:	7/9/25		

The following table indicates criteria that were examined, the identified problems, and support documentation attachments.

Criteria Examined in Detail **Note:** All items examined have been included in the Support Document unless otherwise noted.	**Problems Identified**

Check (√) if Yes or Footnote Letter for Comments Below

Parameter/ Method	Metals 6010D	Hg 7471B						Metals 6010D	Hg 7471B					
Condition upon Receipt	√	√												
Sample Preservation	√	√												
Holding Times														
Blank Analysis Results	√	√												
Laboratory Control Sample	√	√												
Matrix Spike (Pre-Digestion Spike)	√							√						
Laboratory Duplicate														
Field Duplicate														
Total *vs.* Dissolved Results Comparison														
Sample Preparation	√	√												
Mass Tuning														
Initial Calibrations	√	√						√						
Continuing Calibrations	√	√												
Detection Limit/Reporting Limit Standards	√	√												
Negative Bias	√													
Interference Checks	√													
Post-Digestion Spike	√													
Serial Dilution	√							√						
Analytical Sequence	√	√												
Linear Range Analysis	√													
Interelement Correction Factors														
Detection Limit/Sensitivity	√	√												
Dilutions														
Internal Standard Performance	√													
Quantitation of Results	√	√						√	√					
Multiple Exposures %RSD	√	√												
Percent Solids	√	√												
Deliverable was Complete	√	√												
Other:														

Comments: Quantitation of Results and Multiple Exposures are not included in the Support Documentation unless a problem was identified.

ENVIRONMENTAL® STANDARDS
Montrose Environmental Group

BLANK ANALYSIS RESULTS

Fraction[1]	Matrix[2]	Blank Type[3]	Blank Sample Number	Contaminant	Concentration	Units[4]	CLC[5]	Qualification Limits	
								(2×/4×)[5]	(10×)
M	S	CCB	CCB 480-752142/21	iron	0.024	mg/L	No	0.048	0.24
P	S	MB	MB 480-751725/1-A	beta-BHC (CAS no. 319-85-7)	0.978	µg/kg	No	1.956	9.78
PF	S	CCB	CCB 410-673475/81	NFDHA	0.0103	ng/ml	No	0.0206	0.103

ENVIRONMENTAL STANDARDS, INC.
EVALUATION OF DUPLICATE RESULTS

Matrix: ○ Aqueous ◉ Non-aq.
Reporting Level: ◉ MDL ○ QL
Units: mg/kg

PRECISION OBJECTIVES:
If Both Results ≥ 5 × Their QL, RPD ≤: 40
If Either Result < 5 × Its QL, Dif. ≤: 2 **× Highest QL**

Sample ID:	SB2-4'				**Duplicate Sample ID:**	SB2-4' DUP					
Analyte	**Sample Concentration**	**Qual**	**QL**	**MDL**	**Duplicate Concentration**	**Qual**	**QL**	**MDL**	**Difference**	**RPD**	**Flag**
METHYL ACETATE	440		240	23	420		300	29	20	NA	
STYRENE	13		48	12	15		61	15	NA	NA	
TOLUENE	40		48	13	55		61	16	NA	NA	
Xylenes	46		97	27	57		120	34	NA	NA	

NOTES:

Qual: Qualifier(s) based on evaluation(s) other than Total/ vs. Dissolved comparison, if applicable (J, U, U* or B)
RPD: Relative Percent Difference
QL: Quantitation Limit
MDL: Method Detection Limit
RL: Reporting Limit. RL = QL for QL reporting and MDL for MDL reporting
J: The analyte concentration should be considered estimated
U: The analyte was not detected in the sample at or above the RL indicated. The RL will be used for comparison purposes.
UJ: The analyte was not detected in the sample at or above the Reporting Limit Indicated. The RL is approximate.
R: The analyte was analyzed for and detected, but sample results are unreliable. The presence or absence of the analyte cannot be verified.
UR: The analyte was analyzed for and not detected, but the determination that the analyte was not present in the sample is unreliable. The presence or absence of the analyte cannot be verified.
U* The result was blank qualified. The RL will be used for comparison purposes.
NA: The MDL (for QL reporting), RPD or Difference is not applicable

Comments:

ENVIRONMENTAL STANDARDS, INC.
EVALUATION OF DUPLICATE RESULTS

Matrix: ○ Aqueous ◉ Non-aq.
Reporting Level: ◉ MDL ○ QL
Units: ug/kg

PRECISION OBJECTIVES:
If Both Results ≥ 5 × Their QL, RPD ≤: 40
If Either Result < 5 × Its QL, Dif. ≤: 2 **× Highest QL**

Sample ID:	SB2-12"-18"				**Duplicate Sample ID:**	SB2-12"-18" DUP					
Analyte	**Sample Concentration**	**Qual**	**QL**	**MDL**	**Duplicate Concentration**	**Qual**	**QL**	**MDL**	**Difference**	**RPD**	**Flag**
PFHxS	0.072	J	0.19	0.048	0.06	J	0.19	0.048	NA	NA	
PFOS	0.28		0.19	0.11	0.28		0.19	0.1	0	NA	

NOTES:

Qual: Qualifier(s) based on evaluation(s) other than Total/ vs. Dissolved comparison, if applicable (J, U, U* or B)
RPD: Relative Percent Difference
QL: Quantitation Limit
MDL: Method Detection Limit
RL: Reporting Limit. RL = QL for QL reporting and MDL for MDL reporting
J: The analyte concentration should be considered estimated
U: The analyte was not detected in the sample at or above the RL indicated. The RL will be used for comparison purposes.
UJ: The analyte was not detected in the sample at or above the Reporting Limit Indicated. The RL is approximate.
R: The analyte was analyzed for and detected, but sample results are unreliable. The presence or absence of the analyte cannot be verified.
UR: The analyte was analyzed for and not detected, but the determination that the analyte was not present in the sample is unreliable. The presence or absence of the analyte cannot be verified.
U* The result was blank qualified. The RL will be used for comparison purposes.
NA: The MDL (for QL reporting), RPD or Difference is not applicable

Comments:

all samples analyzed w/i HT for given methods

Job Narrative
480-231006-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 7/10/2025 2:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.9° C.

Receipt Exceptions
DI water voa vials received with tcore kit did not have sample volume present in vials. Only meoh vial was used for sampling. SB1-12"-18" (480-231006-1), SB1-7'-8' (480-231006-4), SB1-7'-8' (480-231006-4[MS]), SB1-7'-8' (480-231006-4[MSD]) and SB2-9'-10' (480-231006-14)

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 751930 recovered outside acceptance criteria, low biased, for Dichlorobromomethane and Chlorodibromomethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.The following associated samples are impacted: SB1-12"-18" (480-231006-1), SB1-7'-8' (480-231006-4), SB1-5'-8' (480-231006-5), SB2-4' (480-231006-9), SB2-4' DUP (480-231006-10) and SB2-9'-10' (480-231006-14)

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-751902 and analytical batch 480-751930 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The following associated samples are impacted: SB1-7'-8' (480-231006-4[MS]) and SB1-7'-8' (480-231006-4[MSD])

dif reporting levels with low level vs mid etc

Method 8260C: The following sample(s) were analyzed using medium level soil analysis due to no low level terracore volume present. Client was contacted and instructed us to proceed with medium level analysis: SB1-12"-18" (480-231006-1), SB1-7'-8' (480-231006-4), SB1-7'-8' (480-231006-4[MS]), SB1-7'-8' (480-231006-4[MSD]), SB1-5'-8' (480-231006-5), SB2-4' (480-231006-9), SB2-4' DUP (480-231006-10) and SB2-9'-10' (480-231006-14). Elevated reporting limits (RLs) are provided.

Qual J/ UJ - notify PM

Method 8260C: Sample was prepped via a bulk container as no terracore container was received: SB1-5'-8' (480-231006-5). The client was contacted and instructed us to proceed with bulk preparation.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

LCMS
Method 1633A: The LCS and LLCS labeled isotope(s) 13C5 PFPeA recovery associated with sample: RINSATE (480-231006-6) is outside the QC acceptance limits. Since the recovery for target analytes is within the limits, the data

is reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method 3546: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: SB1-12'-48" (480-231006-3), SB1-5'-8' (480-231006-5), SB2-12"-5' (480-231006-12), (480-231006-B-3 MS) and (480-231006-B-3 MSD).

Method 1633A: Samples(s) RINSATE (480-231006-6) were submitted in a nonstandard container and subsampling was required. The client was contacted before proceeding.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Page from REV received
3/3/26

Job Narrative
480-231006-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Revision 1
The report being provided is a revision of the original report sent on 7/25/2025. The report (Revision 1) is being revised to include missing raw data specific to Method 7471.

Receipt
The samples were received on 7/10/2025 2:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.9º C.

Receipt Exceptions
DI water voa vials received with tcore kit did not have sample volume present in vials. Only meoh vial was used for sampling. SB1-12"-18" (480-231006-1), SB1-7'-8' (480-231006-4), SB1-7'-8' (480-231006-4[MS]), SB1-7'-8' (480-231006-4[MSD]) and SB2-9'-10' (480-231006-14)

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 751930 recovered outside acceptance criteria, low biased, for Dichlorobromomethane and Chlorodibromomethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.The following associated samples are impacted: SB1-12"-18" (480-231006-1), SB1-7'-8' (480-231006-4), SB1-5'-8' (480-231006-5), SB2-4' (480-231006-9), SB2-4' DUP (480-231006-10) and SB2-9'-10' (480-231006-14)

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-751902 and analytical batch 480-751930 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The following associated samples are impacted: SB1-7'-8' (480-231006-4[MS]) and SB1-7'-8' (480-231006-4[MSD])

Method 8260C: The following sample(s) were analyzed using medium level soil analysis due to no low level terracore volume present. Client was contacted and instructed us to proceed with medium level analysis: SB1-12"-18" (480-231006-1), SB1-7'-8' (480-231006-4), SB1-7'-8' (480-231006-4[MS]), SB1-7'-8' (480-231006-4[MSD]), SB1-5'-8' (480-231006-5), SB2-4' (480-231006-9), SB2-4' DUP (480-231006-10) and SB2-9'-10' (480-231006-14). Elevated reporting limits (RLs) are provided.

Method 8260C: Sample was prepped via a bulk container as no terracore container was received: SB1-5'-8' (480-231006-5). The client was contacted and instructed us to proceed with bulk preparation.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

LCMS
Method 1633A: The LCS and LLCS labeled isotope(s) 13C5 PFPeA recovery associated with sample: RINSATE (480-231006-6) is outside the QC acceptance limits. Since the recovery for target analytes is within the limits, the data is reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method 3546: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: SB1-12'-48" (480-231006-3), SB1-5'-8' (480-231006-5), SB2-12"-5' (480-231006-12), (480-231006-B-3 MS) and (480-231006-B-3 MSD).

Method 1633A: Samples(s) RINSATE (480-231006-6) were submitted in a nonstandard container and subsampling was required. The client was contacted before proceeding.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: Terracon Consultants Inc
Job ID: 480-231006-1
Project/Site: HPN HVAC Upgrades - JA257025

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-231006-1	SB1-12"-18"	Solid	07/09/25 12:00	07/10/25 14:30
480-231006-2	SB1-18"-30"	Solid	07/09/25 12:00	07/10/25 14:30
480-231006-3	SB1-12'-48"	Solid	07/09/25 12:00	07/10/25 14:30
480-231006-4	SB1-7'-8'	Solid	07/09/25 12:45	07/10/25 14:30
480-231006-5	SB1-5'-8'	Solid	07/09/25 12:45	07/10/25 14:30
480-231006-6	RINSATE	Water	07/09/25 13:00	07/10/25 14:30
480-231006-7	SB2-12"-18"	Solid	07/09/25 13:30	07/10/25 14:30
480-231006-8	SB2-12"-18" DUP	Solid	07/09/25 13:30	07/10/25 14:30
480-231006-9	SB2-4'	Solid	07/09/25 13:30	07/10/25 14:30
480-231006-10	SB2-4' DUP	Solid	07/09/25 13:30	07/10/25 14:30
480-231006-11	SB2-24"-36"	Solid	07/09/25 13:30	07/10/25 14:30
480-231006-12	SB2-12"-5'	Solid	07/09/25 13:30	07/10/25 14:30
480-231006-13	SB2-9'-10'	Solid	07/09/25 14:00	07/10/25 14:30
480-231006-14	SB2-9'-10'	Solid	07/09/25 14:00	07/10/25 14:30

sample ID on COC is SB1-12"48"

Sample ID on COC is SB2-4 DUP

not validating in this review

Shipping and Receiving Documents

Chain of Custody Record

eurofins | Environment Testing

Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Client Information	Sampler: H. Martinez	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-206440-41906.1
Client Contact: Mr. Patrick Colern	Phone:	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Terracon Consultants Inc	PWSID:			Job #:

Address: 81 Benbro Drive	Due Date Requested:
City: Buffalo	TAT Requested (days):
State, Zip: NY, 14225	Compliance Project: Δ Yes Δ No
Phone: 716-861-1512(Tel)	PO #: TBD
Email: patrick.colern@terracon.com	WO #:
Project Name: HPN HVAC Upgrades - JA257025	Project #: 48028944
Site:	SSOW#:

Analysis Requested

Preservation Codes: N - None

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	8082A - TCL PCBs - OLM04.2	1633A - List of 40 based on EPA method	8260C - TCL list OLM04.2	6010D, 7471B, 8081B, 8151A, 8270D	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N	N	N	N		
SB1 - 12"-18"	7/9/25	1200	G	Solid			✓	✓			
SB1 - 18"-30"		1200	G	Solid			✓				
SB1 - 12"-48"		1200	C	Solid		✓	✓		✓		
SB1 - 7-8'		1245	G	Solid			✓	✓			
SB1 - 5-8'		1245	C	Solid		✓	✓		✓		
MS		1245	G	Solid			✓	✓			
MS DUP		1245	G	~~Solid~~ Water			✓	✓			
RINSEATE		1300	G	Water			✓				

does not match Sample Summary

480-231006 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Hayley Mor	Date/Time: 7/10/25 1230	Company: Terracon	Received by:	Date/Time: 7/10/25 14:27	Company: EUROFINS
Relinquished by:	Date/Time:		Received by:	Date/Time:	
Relinquished by:	Date/Time:		Received by:	Date/Time:	

relinquish time discrepancy b/w page 1 and page 2 of COC Record

time received unclear - possibly 14:30

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.9 IR#5CJCK

Ver: 10/10/2024

Page 5 of 5538

7/25/2025 1:07:07 PM

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: H. Martinez	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-206440-41906.1
Client Contact: Mr. Patrick Colern	Phone:	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Terracon Consultants Inc	PWSID:			Job #:
Address: 81 Benbro Drive	Due Date Requested:			
City: Buffalo	TAT Requested (days):			
State, Zip: NY, 14225	Compliance Project: Δ Yes Δ No			
Phone: 716-861-1512(Tel)	PO #: TBD			
Email: patrick.colern@terracon.com	WO #:			
Project Name: HPN HVAC Upgrades - JA257025	Project #: 48028944			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: N - None

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	MS/	8082A - TCL PCBs - OLM04.2	1633A - List of 40 based on EPA method	8260C - TCL list OLM04.2	6010D, 7471B, 8081B, 8151A, 8270D	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SB2 - 12"-18"	7/9/25	1330	G	Solid				✓				
SB2 - 12"-18" Dup		1330	G	Solid				✓				
~~SB2 - 2'-4'~~				Solid								
SB2 - 4'		1330	G	Solid					✓			
SB2 - 4 Dup		1330	G	Solid					✓			
SB2 - 24"-36"		1330	G	Solid				✓				
SB2 - 12"-5'		1330	C	~~Solid~~			✓	✓		✓		
SB2 - 9'-10'		1400	G	Solid				✓				
SB2 - 9-10'		1400	C	Solid			✓		✓	✓		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	7/10/25 1430	Terracon	[signature]	7/10/25 14:30	Eurofins
2	Relinquished by:	Date/Time:	any	Received by:	Date/Time:	y
3	Relinquished by:	Date/Time:	any	Received by:	Date/Time:	Company

relinquish time discrepancy b/w page 1 and page 2 of COC Record

time received unclear - possibly 14:30

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: PM 515 IR#5CCF

Ver: 10/10/2024

7/25/2025 1:07:07 PM

Login Sample Receipt Checklist

Client: Terracon Consultants Inc

Job Number: 480-231006-1

Login Number: 231006
List Number: 1
Creator: Kolb, Chris M

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	frozen w/i 48 hours
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	tcores put in freezer 7/11 @ 1000
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	terracon
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Terracon Consultants Inc

Job Number: 480-231006-1

Login Number: 231006
List Number: 2
Creator: Wrye, Shaun

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 07/12/25 12:28 PM

pfas

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Method 8260C

Volatile Organic Compounds (GC/MS) by Method 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Medium

GC Column (1): ZB-624 (20) ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM	#	DCA	#	TOL	#	BFB	#
SB1-12"-18"	480-231006-1	84		105		101		87	
SB1-7'-8'	480-231006-4	79		102		101		89	
SB1-5'-8'	480-231006-5	81		104		101		88	
SB2-4'	480-231006-9	83		106		98		85	
SB2-4' DUP	480-231006-10	85		108		102		90	
SB2-9'-10'	480-231006-14	82		104		102		88	
	MB 480-751902/1-A	89		105		100		89	
	LCS 480-751902/2-A	94		108		102		92	
SB1-7'-8' MS	480-231006-4 MS	88		102		101		87	
SB1-7'-8' MSD	480-231006-4 MSD	92		105		105		89	

DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

QC LIMITS
60-140
53-146
50-149
49-148

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: S9596.d

Lab ID: LCS 480-751902/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	2500	2470	99	68-130	
1,1,2,2-Tetrachloroethane	2500	2650	106	73-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2700	108	10-179	
1,1,2-Trichloroethane	2500	2560	102	80-120	
1,1-Dichloroethane	2500	2780	111	78-121	
1,1-Dichloroethene	2500	2320	93	48-133	
1,2,4-Trichlorobenzene	2500	2600	104	70-140	
1,2-Dibromo-3-Chloropropane	2500	2060	83	56-122	
1,2-Dichlorobenzene	2500	2680	107	78-125	
1,2-Dichloroethane	2500	2820	113	74-127	
1,2-Dichloropropane	2500	2690	107	80-120	
1,3-Dichlorobenzene	2500	2610	104	80-120	
1,4-Dichlorobenzene	2500	2600	104	80-120	
2-Butanone (MEK)	12500	14600	116	54-149	
2-Hexanone	12500	15300	122	59-127	
4-Methyl-2-pentanone (MIBK)	12500	14800	118	74-120	
Acetone	12500	15700	125	47-141	
Benzene	2500	2680	107	77-125	
Bromoform	2500	1640	66	48-125	
Bromomethane	2500	2110	84	39-149	
Carbon disulfide	2500	2300	92	40-136	
Carbon tetrachloride	2500	2220	89	54-135	
Chlorobenzene	2500	2590	104	76-126	
Chloroethane	2500	2370	95	23-150	
Chloroform	2500	2600	104	78-120	
Chloromethane	2500	2480	99	61-124	
cis-1,2-Dichloroethene	2500	2540	102	79-124	
Bromodichloromethane	2500	2240	90	71-121	
Cyclohexane	2500	2720	109	49-129	
Dibromochloromethane	2500	1910	76	64-120	
1,2-Dibromoethane	2500	2540	102	80-120	
Dichlorodifluoromethane	2500	1830	73	10-150	
Ethylbenzene	2500	2690	107	78-124	
Isopropylbenzene	2500	2710	108	76-120	
Methyl acetate	5000	5510	110	71-123	
Methyl tert-butyl ether	2500	2540	101	67-137	
Methylcyclohexane	2500	2460	99	50-130	
Methylene Chloride	2500	2410	97	75-118	
Tetrachloroethene	2500	2520	101	73-133	
Toluene	2500	2680	107	75-124	
trans-1,2-Dichloroethene	2500	2470	99	74-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: S9596.d

Lab ID: LCS 480-751902/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	2500	2390	96	73-120	
Trichloroethene	2500	2480	99	75-131	
cis-1,3-Dichloropropene	2500	2410	96	75-121	
Trichlorofluoromethane	2500	2760	110	29-158	
Styrene	2500	2440	98	80-120	
Vinyl chloride	2500	2740	109	59-124	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: S9645.d

Lab ID: 480-231006-4 MS Client ID: SB1-7'-8' MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	1030	ND	1550	151	64-142	F1
1,1,2,2-Tetrachloroethane	1030	ND	1740	170	56-128	F1
1,1,2-Trichloro-1,2,2-trifluoroethane	1030	ND	1460	143	64-154	
1,1,2-Trichloroethane	1030	ND	1670	163	63-133	F1
1,1-Dichloroethane	1030	ND	1730	168	64-135	F1
1,1-Dichloroethene	1030	ND	1320	129	62-145	
1,2,4-Trichlorobenzene	1030	ND	1740	169	56-145	F1
1,2-Dibromo-3-Chloropropane	1030	ND	1390	135	40-122	F1
1,2-Dichlorobenzene	1030	ND	1770	173	68-133	F1
1,2-Dichloroethane	1030	ND	1810	176	62-135	F1
1,2-Dichloropropane	1030	ND	1700	166	67-139	F1
1,3-Dichlorobenzene	1030	ND	1780	174	68-136	F1
1,4-Dichlorobenzene	1030	ND	1740	170	69-136	F1
2-Butanone (MEK)	5130	ND	8730	170	46-132	F1
2-Hexanone	5130	ND	10400	202	44-130	F1
4-Methyl-2-pentanone (MIBK)	5130	ND	10100	196	49-125	F1
Acetone	5130	ND	9230	180	32-136	F1
Benzene	1030	ND	1690	164	68-137	F1
Bromoform	1030	ND	958	93	43-134	
Bromomethane	1030	ND	1070	105	38-137	
Carbon disulfide	1030	ND	1180	115	52-139	
Carbon tetrachloride	1030	ND	1360	133	60-150	
Chlorobenzene	1030	ND	1680	164	67-136	F1
Dibromochloromethane	1030	ND	1170	114	57-137	
Chloroethane	1030	ND	1290	125	34-140	
Chloroform	1030	ND	1630	159	64-133	F1
Chloromethane	1030	ND	1220	119	47-143	
cis-1,2-Dichloroethene	1030	ND	1520	148	65-137	F1
Cyclohexane	1030	ND	1650	161	63-149	F1
Bromodichloromethane	1030	ND	1310	128	62-136	
Dichlorodifluoromethane	1030	ND	563	55	26-150	
Ethylbenzene	1030	ND	1810	176	67-136	F1
1,2-Dibromoethane	1030	ND	1680	164	65-133	F1
Isopropylbenzene	1030	ND	1890	185	65-147	F1
Methyl acetate	2050	100 J	4080	194	50-124	F1
Methyl tert-butyl ether	1030	ND	1550	152	60-130	F1
Methylcyclohexane	1030	ND	1550	151	67-150	F1
Methylene Chloride	1030	ND	1480	145	63-138	F1
Tetrachloroethene	1030	ND	1710	166	67-150	F1
Toluene	1030	ND	1760	172	68-137	F1
trans-1,2-Dichloroethene	1030	ND	1510	147	65-138	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: S9645.d

Lab ID: 480-231006-4 MS Client ID: SB1-7'-8' MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	1030	ND	1520	148	58-143	F1
Trichloroethene	1030	ND	1610	157	69-143	F1
Trichlorofluoromethane	1030	ND	1470	143	35-150	
Vinyl chloride	1030	ND	1370	133	56-150	
cis-1,3-Dichloropropene	1030	ND	1450	141	61-148	
Styrene	1030	ND	1620	158	68-137	F1

boxed values high %R - sample ND no qual

RED HIGHLIGHTED VALUE - Qual J+, MS+



Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: S9646.d

Lab ID: 480-231006-4 MSD Client ID: SB1-7'-8' MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	1160	1740	151	11	20	64-142	F1
1,1,2,2-Tetrachloroethane	1160	1860	161	7	20	56-128	F1
1,1,2-Trichloro-1,2,2-trifluoroethane	1160	1670	145	13	20	64-154	
1,1,2-Trichloroethane	1160	1890	163	12	20	63-133	F1
1,1-Dichloroethane	1160	1900	165	10	20	64-135	F1
1,1-Dichloroethene	1160	1460	126	10	20	62-145	
1,2,4-Trichlorobenzene	1160	1950	169	12	20	56-145	F1
1,2-Dibromo-3-Chloropropane	1160	1580	136	13	20	40-122	F1
1,2-Dichlorobenzene	1160	1920	167	8	20	68-133	F1
1,2-Dichloroethane	1160	1960	170	8	20	62-135	F1
1,2-Dichloropropane	1160	1890	164	11	20	67-139	F1
1,3-Dichlorobenzene	1160	1900	164	6	20	68-136	F1
1,4-Dichlorobenzene	1160	1890	164	8	20	69-136	F1
2-Butanone (MEK)	5780	9620	166	10	20	46-132	F1
2-Hexanone	5780	11400	198	10	20	44-130	F1
4-Methyl-2-pentanone (MIBK)	5780	11100	192	10	20	49-125	F1
Acetone	5780	9920	172	7	20	32-136	F1
Benzene	1160	1860	161	10	20	68-137	F1
Bromoform	1160	1120	97	16	20	43-134	
Bromomethane	1160	1110	96	4	20	38-137	
Carbon disulfide	1160	1300	112	10	20	52-139	
Carbon tetrachloride	1160	1610	139	17	20	60-150	
Chlorobenzene	1160	1830	158	9	20	67-136	F1
Dibromochloromethane	1160	1360	118	15	20	57-137	
Chloroethane	1160	1310	113	2	20	34-140	
Chloroform	1160	1810	156	11	20	64-133	F1
Chloromethane	1160	1200	104	1	20	47-143	
cis-1,2-Dichloroethene	1160	1730	149	13	20	65-137	F1
Cyclohexane	1160	1790	155	8	20	63-149	F1
Bromodichloromethane	1160	1510	131	14	20	62-136	
Dichlorodifluoromethane	1160	551	48	2	20	26-150	
Ethylbenzene	1160	1980	171	9	20	67-136	F1
1,2-Dibromoethane	1160	1810	156	7	20	65-133	F1
Isopropylbenzene	1160	2020	175	6	20	65-147	F1
Methyl acetate	2310	4290	181	5	20	50-124	F1
Methyl tert-butyl ether	1160	1720	149	10	20	60-130	F1
Methylcyclohexane	1160	1750	151	12	20	67-150	F1
Methylene Chloride	1160	1660	143	11	20	63-138	F1
Tetrachloroethene	1160	1940	168	13	20	67-150	F1
Toluene	1160	1990	172	12	20	68-137	F1
trans-1,2-Dichloroethene	1160	1680	146	11	20	65-138	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: S9646.d

Lab ID: 480-231006-4 MSD Client ID: SB1-7'-8' MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
trans-1,3-Dichloropropene	1160	1710	148	12	20	58-143	F1
Trichloroethene	1160	1790	155	11	20	69-143	F1
Trichlorofluoromethane	1160	1580	137	7	20	35-150	
Vinyl chloride	1160	1410	122	3	20	56-150	
cis-1,3-Dichloropropene	1160	1640	142	12	20	61-148	
Styrene	1160	1780	154	10	20	68-137	F1

Highlighted values - High %R ND in sample except methyl acetate - qual J+, MS+

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab File ID: S9599.d Lab Sample ID: MB 480-751902/1-A

Matrix: Solid Heated Purge:(Y/N) N

Instrument ID: HP5973S Date Analyzed: 07/16/2025 14:03

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-751902/2-A	S9596.d	07/16/2025 12:38
SB1-12"-18"	480-231006-1	S9639.d	07/17/2025 05:49
SB1-7'-8'	480-231006-4	S9640.d	07/17/2025 06:12
SB1-5'-8'	480-231006-5	S9641.d	07/17/2025 06:35
SB2-4'	480-231006-9	S9642.d	07/17/2025 06:59
SB2-4' DUP	480-231006-10	S9643.d	07/17/2025 07:22
SB2-9'-10'	480-231006-14	S9644.d	07/17/2025 07:45
SB1-7'-8' MS	480-231006-4 MS	S9645.d	07/17/2025 08:08
SB1-7'-8' MSD	480-231006-4 MSD	S9646.d	07/17/2025 08:31

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab File ID: S8276.d BFB Injection Date: 05/16/2025

Instrument ID: HP5973S BFB Injection Time: 15:37

Analysis Batch No.: 746322

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.9	
75	30.0 - 60.0 % of mass 95	49.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	90.7	
175	5.0 - 9.0 % of mass 174	7.7	(8.5) 1
176	95.0 - 101.0 % of mass 174	87.0	(95.9) 1
177	5.0 - 9.0 % of mass 176	6.2	(7.1) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-746322/13	S8278.d	05/16/2025	16:27
	IC 480-746322/14	S8279.d	05/16/2025	16:50
	IC 480-746322/15	S8280.d	05/16/2025	17:14
	IC 480-746322/16	S8281.d	05/16/2025	17:37
	IC 480-746322/17	S8282.d	05/16/2025	18:01
	ICIS 480-746322/18	S8283.d	05/16/2025	18:24
	IC 480-746322/19	S8284.d	05/16/2025	18:47
	IC 480-746322/20	S8285.d	05/16/2025	19:10
	ICV 480-746322/34	S8299.d	05/17/2025	0:33

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab File ID: S9592.d BFB Injection Date: 07/16/2025

Instrument ID: HP5973S BFB Injection Time: 11:02

Analysis Batch No.: 751892

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.8	
75	30.0 - 60.0 % of mass 95	55.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.5	(0.6) 1
174	Greater than 50% of mass 95	81.5	
175	5.0 - 9.0 % of mass 174	6.0	(7.4) 1
176	95.0 - 101.0 % of mass 174	80.4	(98.7) 1
177	5.0 - 9.0 % of mass 176	5.4	(6.7) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-751892/4	S9593.d	07/16/2025	11:28
	LCS 480-751902/2-A	S9596.d	07/16/2025	12:38
	MB 480-751902/1-A	S9599.d	07/16/2025	14:03

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab File ID: S9622.d BFB Injection Date: 07/16/2025

Instrument ID: HP5973S BFB Injection Time: 23:13

Analysis Batch No.: 751930

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	25.7
75	30.0 - 60.0 % of mass 95	53.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.5
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	78.8
175	5.0 - 9.0 % of mass 174	6.1 (7.8) 1
176	95.0 - 101.0 % of mass 174	76.0 (96.4) 1
177	5.0 - 9.0 % of mass 176	5.0 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-751930/4	S9623.d	07/16/2025	23:36
SB1-12"-18"	480-231006-1	S9639.d	07/17/2025	5:49
SB1-7'-8'	480-231006-4	S9640.d	07/17/2025	6:12
SB1-5'-8'	480-231006-5	S9641.d	07/17/2025	6:35
SB2-4'	480-231006-9	S9642.d	07/17/2025	6:59
SB2-4' DUP	480-231006-10	S9643.d	07/17/2025	7:22
SB2-9'-10'	480-231006-14	S9644.d	07/17/2025	7:45
SB1-7'-8' MS	480-231006-4 MS	S9645.d	07/17/2025	8:08
SB1-7'-8' MSD	480-231006-4 MSD	S9646.d	07/17/2025	8:31

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Sample No.: ICIS 480-746322/18 Date Analyzed: 05/16/2025 18:24

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S8283.d Heated Purge: (Y/N) N

Calibration ID: 48382

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		185563	4.67	390914	7.61	428535	10.07
UPPER LIMIT		371126	4.84	781828	7.78	857070	10.23
LOWER LIMIT		92782	4.50	195457	7.44	214268	9.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-751892/4		166656	4.67	321784	7.61	343019	10.07
CCVIS 480-751930/4		166406	4.67	320831	7.61	326203	10.07

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.167 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Sample No.: CCVIS 480-751892/4 Date Analyzed: 07/16/2025 11:28

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S9593.d Heated Purge: (Y/N) N

Calibration ID: 48385

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		166656	4.67	321784	7.61	343019	10.07
UPPER LIMIT		333312	4.84	643568	7.78	686038	10.23
LOWER LIMIT		83328	4.50	160892	7.45	171510	9.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-751902/2-A		161574	4.66	325508	7.61	332443	10.07
MB 480-751902/1-A		160792	4.67	317506	7.61	322400	10.07

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.167 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Sample No.: CCVIS 480-751930/4 Date Analyzed: 07/16/2025 23:36

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S9623.d Heated Purge: (Y/N) N

Calibration ID: 48385

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		166406	4.67	320831	7.61	326203	10.07
UPPER LIMIT		332812	4.84	641662	7.78	652406	10.23
LOWER LIMIT		83203	4.50	160416	7.45	163102	9.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-231006-1	SB1-12"-18"	156399	4.67	298884	7.61	294848	10.07
480-231006-4	SB1-7'-8'	163889	4.67	305622	7.61	301957	10.07
480-231006-5	SB1-5'-8'	161939	4.67	307260	7.61	301783	10.07
480-231006-9	SB2-4'	158849	4.67	313088	7.61	307441	10.07
480-231006-10	SB2-4' DUP	157308	4.67	304693	7.61	304257	10.07
480-231006-14	SB2-9'-10'	160376	4.67	307121	7.61	308242	10.07
480-231006-4 MS	SB1-7'-8' MS	170847	4.67	329691	7.61	326293	10.07
480-231006-4 MSD	SB1-7'-8' MSD	163417	4.67	314016	7.61	322551	10.07

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.167 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12"-18" | Lab Sample ID: 480-231006-1

Matrix: Solid | Lab File ID: S9639.d

Analysis Method: 8260C | Date Collected: 07/09/2025 12:00

Sample wt/vol: 7.031(g) | Date Analyzed: 07/17/2025 05:49

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 6.1 % Solids: 93.9 | Level: (low/med) Medium

Analysis Batch No.: 751930 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		41	11
79-34-5	1,1,2,2-Tetrachloroethane	ND		41	6.7
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		41	21
79-00-5	1,1,2-Trichloroethane	ND		41	8.6
75-34-3	1,1-Dichloroethane	ND		41	13
75-35-4	1,1-Dichloroethene	ND		41	14
120-82-1	1,2,4-Trichlorobenzene	ND		41	16
96-12-8	1,2-Dibromo-3-Chloropropane	ND		41	21
95-50-1	1,2-Dichlorobenzene	ND		41	10
107-06-2	1,2-Dichloroethane	ND		41	17
78-87-5	1,2-Dichloropropane	ND		41	6.7
541-73-1	1,3-Dichlorobenzene	ND		41	11
106-46-7	1,4-Dichlorobenzene	ND		41	5.8
78-93-3	2-Butanone (MEK)	ND		210	120
591-78-6	2-Hexanone	ND		210	84
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		210	13
67-64-1	Acetone	ND		210	170
71-43-2	Benzene	ND		41	7.8
75-25-2	Bromoform	ND		41	21
74-83-9	Bromomethane	ND		41	9.1
75-15-0	Carbon disulfide	ND		41	19
56-23-5	Carbon tetrachloride	ND		41	10
108-90-7	Chlorobenzene	ND		41	5.4
124-48-1	Dibromochloromethane	ND		41	20
75-00-3	Chloroethane	ND		41	8.6
67-66-3	Chloroform	ND		41	28
74-87-3	Chloromethane	ND		41	9.8
156-59-2	cis-1,2-Dichloroethene	ND		41	11
110-82-7	Cyclohexane	ND		41	9.1
75-27-4	Bromodichloromethane	ND		41	8.2
75-71-8	Dichlorodifluoromethane	ND		41	18
100-41-4	Ethylbenzene	ND		41	12

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12"-18" | Lab Sample ID: 480-231006-1

Matrix: Solid | Lab File ID: S9639.d

Analysis Method: 8260C | Date Collected: 07/09/2025 12:00

Sample wt/vol: 7.031(g) | Date Analyzed: 07/17/2025 05:49

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 6.1 % Solids: 93.9 | Level: (low/med) Medium

Analysis Batch No.: 751930 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		41	7.2
98-82-8	Isopropylbenzene	ND		41	6.2
79-20-9	Methyl acetate	ND		210	20
1634-04-4	Methyl tert-butyl ether	ND		41	16
108-87-2	Methylcyclohexane	ND		41	19
75-09-2	Methylene Chloride	ND		41	8.1
127-18-4	Tetrachloroethene	ND		41	5.5
108-88-3	Toluene	ND		41	11
156-60-5	trans-1,2-Dichloroethene	ND		41	9.7
10061-02-6	trans-1,3-Dichloropropene	ND		41	4.0
79-01-6	Trichloroethene	ND		41	11
75-69-4	Trichlorofluoromethane	ND		41	19
75-01-4	Vinyl chloride	ND		41	14
1330-20-7	Xylenes, Total	ND		82	23
10061-01-5	cis-1,3-Dichloropropene	ND		41	9.8
100-42-5	Styrene	ND		41	9.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		53-146
460-00-4	4-Bromofluorobenzene (Surr)	87		49-148
2037-26-5	Toluene-d8 (Surr)	101		50-149
1868-53-7	Dibromofluoromethane (Surr)	84		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-7'-8' | Lab Sample ID: 480-231006-4

Matrix: Solid | Lab File ID: S9640.d

Analysis Method: 8260C | Date Collected: 07/09/2025 12:45

Sample wt/vol: 5.849(g) | Date Analyzed: 07/17/2025 06:12

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 10.6 % Solids: 89.4 | Level: (low/med) Medium

Analysis Batch No.: 751930 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	F1	54	15
79-34-5	1,1,2,2-Tetrachloroethane	ND	F1	54	8.7
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		54	27
79-00-5	1,1,2-Trichloroethane	ND	F1	54	11
75-34-3	1,1-Dichloroethane	ND	F1	54	17
75-35-4	1,1-Dichloroethene	ND		54	19
120-82-1	1,2,4-Trichlorobenzene	ND	F1	54	20
96-12-8	1,2-Dibromo-3-Chloropropane	ND	F1	54	27
95-50-1	1,2-Dichlorobenzene	ND	F1	54	14
107-06-2	1,2-Dichloroethane	ND	F1	54	22
78-87-5	1,2-Dichloropropane	ND	F1	54	8.7
541-73-1	1,3-Dichlorobenzene	ND	F1	54	14
106-46-7	1,4-Dichlorobenzene	ND	F1	54	7.5
78-93-3	2-Butanone (MEK)	ND	F1	270	160
591-78-6	2-Hexanone	ND	F1	270	110
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	F1	270	17
67-64-1	Acetone	ND	F1	270	220
71-43-2	Benzene	ND	F1	54	10
75-25-2	Bromoform	ND		54	27
74-83-9	Bromomethane	ND		54	12
75-15-0	Carbon disulfide	ND		54	24
56-23-5	Carbon tetrachloride	ND		54	14
108-90-7	Chlorobenzene	ND	F1	54	7.1
124-48-1	Dibromochloromethane	ND		54	26
75-00-3	Chloroethane	ND		54	11
67-66-3	Chloroform	ND	F1	54	37
74-87-3	Chloromethane	ND		54	13
156-59-2	cis-1,2-Dichloroethene	ND	F1	54	15
110-82-7	Cyclohexane	ND	F1	54	12
75-27-4	Bromodichloromethane	ND		54	11
75-71-8	Dichlorodifluoromethane	ND		54	23
100-41-4	Ethylbenzene	ND	F1	54	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-7'-8' | Lab Sample ID: 480-231006-4

Matrix: Solid | Lab File ID: S9640.d

Analysis Method: 8260C | Date Collected: 07/09/2025 12:45

Sample wt/vol: 5.849(g) | Date Analyzed: 07/17/2025 06:12

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 10.6 % Solids: 89.4 | Level: (low/med) Medium

Analysis Batch No.: 751930 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND	F1	54	9.4
98-82-8	Isopropylbenzene	ND	F1	54	8.1
79-20-9	Methyl acetate	100	J F1	270	26
1634-04-4	Methyl tert-butyl ether	ND	F1	54	20
108-87-2	Methylcyclohexane	ND	F1	54	25
75-09-2	Methylene Chloride	ND	F1	54	11
127-18-4	Tetrachloroethene	ND	F1	54	7.2
108-88-3	Toluene	ND	F1	54	14
156-60-5	trans-1,2-Dichloroethene	ND	F1	54	13
10061-02-6	trans-1,3-Dichloropropene	ND	F1	54	5.3
79-01-6	Trichloroethene	ND	F1	54	15
75-69-4	Trichlorofluoromethane	ND		54	25
75-01-4	Vinyl chloride	ND		54	18
1330-20-7	Xylenes, Total	ND	F1	110	30
10061-01-5	cis-1,3-Dichloropropene	ND		54	13
100-42-5	Styrene	ND	F1	54	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		53-146
460-00-4	4-Bromofluorobenzene (Surr)	89		49-148
2037-26-5	Toluene-d8 (Surr)	101		50-149
1868-53-7	Dibromofluoromethane (Surr)	79		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-5'-8' | Lab Sample ID: 480-231006-5

Matrix: Solid | Lab File ID: S9641.d

Analysis Method: 8260C | Date Collected: 07/09/2025 12:45

Sample wt/vol: 5.53(g) | Date Analyzed: 07/17/2025 06:35

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 4.0 % Solids: 96.0 | Level: (low/med) Medium

Analysis Batch No.: 751930 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		96	27
79-34-5	1,1,2,2-Tetrachloroethane	ND		96	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		96	48
79-00-5	1,1,2-Trichloroethane	ND		96	20
75-34-3	1,1-Dichloroethane	ND		96	30
75-35-4	1,1-Dichloroethene	ND		96	33
120-82-1	1,2,4-Trichlorobenzene	ND		96	36
96-12-8	1,2-Dibromo-3-Chloropropane	ND		96	48
106-93-4	1,2-Dibromoethane	ND		96	17
95-50-1	1,2-Dichlorobenzene	ND		96	25
107-06-2	1,2-Dichloroethane	ND		96	39
78-87-5	1,2-Dichloropropane	ND		96	16
541-73-1	1,3-Dichlorobenzene	ND		96	26
106-46-7	1,4-Dichlorobenzene	ND		96	13
78-93-3	2-Butanone (MEK)	ND		480	290
591-78-6	2-Hexanone	ND		480	200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		480	31
67-64-1	Acetone	ND		480	400
71-43-2	Benzene	ND		96	18
75-27-4	Bromodichloromethane	ND		96	19
75-25-2	Bromoform	ND		96	48
74-83-9	Bromomethane	ND		96	21
75-15-0	Carbon disulfide	ND		96	44
56-23-5	Carbon tetrachloride	ND		96	25
108-90-7	Chlorobenzene	ND		96	13
75-00-3	Chloroethane	ND		96	20
67-66-3	Chloroform	ND		96	66
74-87-3	Chloromethane	ND		96	23
156-59-2	cis-1,2-Dichloroethene	ND		96	27
10061-01-5	cis-1,3-Dichloropropene	ND		96	23
110-82-7	Cyclohexane	ND		96	21
124-48-1	Dibromochloromethane	ND		96	47

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-5'-8' | Lab Sample ID: 480-231006-5

Matrix: Solid | Lab File ID: S9641.d

Analysis Method: 8260C | Date Collected: 07/09/2025 12:45

Sample wt/vol: 5.53(g) | Date Analyzed: 07/17/2025 06:35

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 4.0 % Solids: 96.0 | Level: (low/med) Medium

Analysis Batch No.: 751930 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	ND		96	42
100-41-4	Ethylbenzene	ND		96	28
98-82-8	Isopropylbenzene	ND		96	14
79-20-9	Methyl acetate	ND		480	46
1634-04-4	Methyl tert-butyl ether	ND		96	36
108-87-2	Methylcyclohexane	ND		96	45
75-09-2	Methylene Chloride	ND		96	19
100-42-5	Styrene	ND		96	23
127-18-4	Tetrachloroethene	ND		96	13
108-88-3	Toluene	ND		96	26
156-60-5	trans-1,2-Dichloroethene	ND		96	23
10061-02-6	trans-1,3-Dichloropropene	ND		96	9.5
79-01-6	Trichloroethene	ND		96	27
75-69-4	Trichlorofluoromethane	ND		96	45
75-01-4	Vinyl chloride	ND		96	32
1330-20-7	Xylenes, Total	ND		190	53

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		53-146
460-00-4	4-Bromofluorobenzene (Surr)	88		49-148
1868-53-7	Dibromofluoromethane (Surr)	81		60-140
2037-26-5	Toluene-d8 (Surr)	101		50-149

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-4' | Lab Sample ID: 480-231006-9

Matrix: Solid | Lab File ID: S9642.d

Analysis Method: 8260C | Date Collected: 07/09/2025 13:30

Sample wt/vol: 6.204(g) | Date Analyzed: 07/17/2025 06:59

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 8.2 % Solids: 91.8 | Level: (low/med) Medium

Analysis Batch No.: 751930 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		48	13
79-34-5	1,1,2,2-Tetrachloroethane	ND		48	7.9
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		48	24
79-00-5	1,1,2-Trichloroethane	ND		48	10
75-34-3	1,1-Dichloroethane	ND		48	15
75-35-4	1,1-Dichloroethene	ND		48	17
120-82-1	1,2,4-Trichlorobenzene	ND		48	18
96-12-8	1,2-Dibromo-3-Chloropropane	ND		48	24
95-50-1	1,2-Dichlorobenzene	ND		48	12
107-06-2	1,2-Dichloroethane	ND		48	20
78-87-5	1,2-Dichloropropane	ND		48	7.8
541-73-1	1,3-Dichlorobenzene	ND		48	13
106-46-7	1,4-Dichlorobenzene	ND		48	6.8
78-93-3	2-Butanone (MEK)	ND		240	140
591-78-6	2-Hexanone	ND		240	99
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		240	15
67-64-1	Acetone	ND		240	200
71-43-2	Benzene	ND		48	9.2
75-25-2	Bromoform	ND		48	24
74-83-9	Bromomethane	ND		48	11
75-15-0	Carbon disulfide	ND		48	22
56-23-5	Carbon tetrachloride	ND		48	12
108-90-7	Chlorobenzene	ND		48	6.4
124-48-1	Dibromochloromethane	ND		48	23
75-00-3	Chloroethane	ND		48	10
67-66-3	Chloroform	ND		48	33
74-87-3	Chloromethane	ND		48	12
156-59-2	cis-1,2-Dichloroethene	ND		48	13
110-82-7	Cyclohexane	ND		48	11
75-27-4	Bromodichloromethane	ND		48	9.7
75-71-8	Dichlorodifluoromethane	ND		48	21
100-41-4	Ethylbenzene	ND		48	14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-4' | Lab Sample ID: 480-231006-9

Matrix: Solid | Lab File ID: S9642.d

Analysis Method: 8260C | Date Collected: 07/09/2025 13:30

Sample wt/vol: 6.204(g) | Date Analyzed: 07/17/2025 06:59

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 8.2 % Solids: 91.8 | Level: (low/med) Medium

Analysis Batch No.: 751930 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		48	8.5
98-82-8	Isopropylbenzene	ND		48	7.3
79-20-9	Methyl acetate	440		240	23
1634-04-4	Methyl tert-butyl ether	ND		48	18
108-87-2	Methylcyclohexane	ND		48	23
75-09-2	Methylene Chloride	ND		48	9.6
127-18-4	Tetrachloroethene	ND		48	6.5
108-88-3	Toluene	40	J	48	13
156-60-5	trans-1,2-Dichloroethene	ND		48	11
10061-02-6	trans-1,3-Dichloropropene	ND		48	4.8
79-01-6	Trichloroethene	ND		48	13
75-69-4	Trichlorofluoromethane	ND		48	23
75-01-4	Vinyl chloride	ND		48	16
1330-20-7	Xylenes, Total	46	J	97	27
10061-01-5	cis-1,3-Dichloropropene	ND		48	12
100-42-5	Styrene	13	J	48	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		53-146
460-00-4	4-Bromofluorobenzene (Surr)	85		49-148
2037-26-5	Toluene-d8 (Surr)	98		50-149
1868-53-7	Dibromofluoromethane (Surr)	83		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-4' DUP | Lab Sample ID: 480-231006-10

Matrix: Solid | Lab File ID: S9643.d

Analysis Method: 8260C | Date Collected: 07/09/2025 13:30

Sample wt/vol: 5.006(g) | Date Analyzed: 07/17/2025 07:22

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 9.8 % Solids: 90.2 | Level: (low/med) Medium

Analysis Batch No.: 751930 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		61	17
79-34-5	1,1,2,2-Tetrachloroethane	ND		61	9.9
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		61	30
79-00-5	1,1,2-Trichloroethane	ND		61	13
75-34-3	1,1-Dichloroethane	ND		61	19
75-35-4	1,1-Dichloroethene	ND		61	21
120-82-1	1,2,4-Trichlorobenzene	ND		61	23
96-12-8	1,2-Dibromo-3-Chloropropane	ND		61	30
95-50-1	1,2-Dichlorobenzene	ND		61	16
107-06-2	1,2-Dichloroethane	ND		61	25
78-87-5	1,2-Dichloropropane	ND		61	9.9
541-73-1	1,3-Dichlorobenzene	ND		61	16
106-46-7	1,4-Dichlorobenzene	ND		61	8.5
78-93-3	2-Butanone (MEK)	ND		300	180
591-78-6	2-Hexanone	ND		300	120
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		300	19
67-64-1	Acetone	ND		300	250
71-43-2	Benzene	ND		61	12
75-25-2	Bromoform	ND		61	30
74-83-9	Bromomethane	ND		61	13
75-15-0	Carbon disulfide	ND		61	28
56-23-5	Carbon tetrachloride	ND		61	16
108-90-7	Chlorobenzene	ND		61	8.0
124-48-1	Dibromochloromethane	ND		61	29
75-00-3	Chloroethane	ND		61	13
67-66-3	Chloroform	ND		61	42
74-87-3	Chloromethane	ND		61	14
156-59-2	cis-1,2-Dichloroethene	ND		61	17
110-82-7	Cyclohexane	ND		61	14
75-27-4	Bromodichloromethane	ND		61	12
75-71-8	Dichlorodifluoromethane	ND		61	27
100-41-4	Ethylbenzene	ND		61	18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-4' DUP | Lab Sample ID: 480-231006-10

Matrix: Solid | Lab File ID: S9643.d

Analysis Method: 8260C | Date Collected: 07/09/2025 13:30

Sample wt/vol: 5.006(g) | Date Analyzed: 07/17/2025 07:22

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 9.8 % Solids: 90.2 | Level: (low/med) Medium

Analysis Batch No.: 751930 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		61	11
98-82-8	Isopropylbenzene	ND		61	9.1
79-20-9	Methyl acetate	420		300	29
1634-04-4	Methyl tert-butyl ether	ND		61	23
108-87-2	Methylcyclohexane	ND		61	28
75-09-2	Methylene Chloride	ND		61	12
127-18-4	Tetrachloroethene	ND		61	8.2
108-88-3	Toluene	55	J	61	16
156-60-5	trans-1,2-Dichloroethene	ND		61	14
10061-02-6	trans-1,3-Dichloropropene	ND		61	6.0
79-01-6	Trichloroethene	ND		61	17
75-69-4	Trichlorofluoromethane	ND		61	29
75-01-4	Vinyl chloride	ND		61	20
1330-20-7	Xylenes, Total	57	J	120	34
10061-01-5	cis-1,3-Dichloropropene	ND		61	15
100-42-5	Styrene	ND		61	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		53-146
460-00-4	4-Bromofluorobenzene (Surr)	90		49-148
2037-26-5	Toluene-d8 (Surr)	102		50-149
1868-53-7	Dibromofluoromethane (Surr)	85		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-9'-10' | Lab Sample ID: 480-231006-14

Matrix: Solid | Lab File ID: S9644.d

Analysis Method: 8260C | Date Collected: 07/09/2025 14:00

Sample wt/vol: 6.644(g) | Date Analyzed: 07/17/2025 07:45

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 9.1 % Solids: 90.9 | Level: (low/med) Medium

Analysis Batch No.: 751930 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		46	13
79-34-5	1,1,2,2-Tetrachloroethane	ND		46	7.5
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		46	23
79-00-5	1,1,2-Trichloroethane	ND		46	9.8
75-34-3	1,1-Dichloroethane	ND		46	14
75-35-4	1,1-Dichloroethene	ND		46	16
120-82-1	1,2,4-Trichlorobenzene	ND		46	18
96-12-8	1,2-Dibromo-3-Chloropropane	ND		46	23
95-50-1	1,2-Dichlorobenzene	ND		46	12
107-06-2	1,2-Dichloroethane	ND		46	19
78-87-5	1,2-Dichloropropane	ND		46	7.5
541-73-1	1,3-Dichlorobenzene	ND		46	12
106-46-7	1,4-Dichlorobenzene	ND		46	6.5
78-93-3	2-Butanone (MEK)	ND		230	140
591-78-6	2-Hexanone	ND		230	95
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		230	15
67-64-1	Acetone	ND		230	190
71-43-2	Benzene	ND		46	8.8
75-25-2	Bromoform	ND		46	23
74-83-9	Bromomethane	ND		46	10
75-15-0	Carbon disulfide	ND		46	21
56-23-5	Carbon tetrachloride	ND		46	12
108-90-7	Chlorobenzene	ND		46	6.1
124-48-1	Dibromochloromethane	ND		46	22
75-00-3	Chloroethane	ND		46	9.7
67-66-3	Chloroform	ND		46	32
74-87-3	Chloromethane	ND		46	11
156-59-2	cis-1,2-Dichloroethene	ND		46	13
110-82-7	Cyclohexane	ND		46	10
75-27-4	Bromodichloromethane	ND		46	9.3
75-71-8	Dichlorodifluoromethane	ND		46	20
100-41-4	Ethylbenzene	ND		46	14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-9'-10' | Lab Sample ID: 480-231006-14

Matrix: Solid | Lab File ID: S9644.d

Analysis Method: 8260C | Date Collected: 07/09/2025 14:00

Sample wt/vol: 6.644(g) | Date Analyzed: 07/17/2025 07:45

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 9.1 % Solids: 90.9 | Level: (low/med) Medium

Analysis Batch No.: 751930 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		46	8.1
98-82-8	Isopropylbenzene	ND		46	7.0
79-20-9	Methyl acetate	ND		230	22
1634-04-4	Methyl tert-butyl ether	ND		46	18
108-87-2	Methylcyclohexane	ND		46	22
75-09-2	Methylene Chloride	ND		46	9.2
127-18-4	Tetrachloroethene	ND		46	6.2
108-88-3	Toluene	ND		46	12
156-60-5	trans-1,2-Dichloroethene	ND		46	11
10061-02-6	trans-1,3-Dichloropropene	ND		46	4.6
79-01-6	Trichloroethene	ND		46	13
75-69-4	Trichlorofluoromethane	ND		46	22
75-01-4	Vinyl chloride	ND		46	16
1330-20-7	Xylenes, Total	ND		93	26
10061-01-5	cis-1,3-Dichloropropene	ND		46	11
100-42-5	Styrene	ND		46	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		53-146
460-00-4	4-Bromofluorobenzene (Surr)	88		49-148
2037-26-5	Toluene-d8 (Surr)	102		50-149
1868-53-7	Dibromofluoromethane (Surr)	82		60-140

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 746322

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2025 16:27 Calibration End Date: 05/16/2025 19:10 Calibration ID: 48382

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-746322/13	S8278.d
Level 2	IC 480-746322/14	S8279.d
Level 3	IC 480-746322/15	S8280.d
Level 4	IC 480-746322/16	S8281.d
Level 5	IC 480-746322/17	S8282.d
Level 6	ICIS 480-746322/18	S8283.d
Level 7	IC 480-746322/19	S8284.d
Level 8	IC 480-746322/20	S8285.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.8296 1.7514	1.5196 1.7992	1.5855 1.8370	1.8706	1.8643	Ave		1.7572			0.1000	7.6		20.0			
Chloromethane	1.8819 1.8688	1.7914 1.8687	1.8620 1.9256	2.0364	2.0215	Ave		1.9070			0.1000	4.4		20.0			
Vinyl chloride	1.1748 1.4054	1.0698 1.4051	1.1648 1.4498	1.4002	1.5676	Ave		1.3297			0.1000	12.9		20.0			
Butadiene	1.5404 1.6824	1.5152 1.6924	1.6312 1.7380	1.7441	1.9141	Ave		1.6822				7.5		20.0			
Bromomethane	0.9787 0.8484	0.9978 0.8574	0.9247 0.8664	0.9066	1.0130	Ave		0.9241			0.1000	7.1		20.0			
Chloroethane	0.9800 0.9289	0.9966 0.8882	0.9361 0.9214	0.9317	1.0341	Ave		0.9521			0.1000	5.0		20.0			
Dichlorofluoromethane	2.2499 2.1859	2.2925 2.1672	2.1528 2.2340	2.1723	2.3543	Ave		2.2261				3.2		20.0			
Trichlorofluoromethane	+++++ 1.8297	1.3104 1.8810	1.4930 1.9195	1.8452	2.0445	Ave		1.7605			0.1000	14.8		20.0			
Ethyl ether	1.3322 1.1821	1.0605 1.1666	1.1669 1.1670	1.2040	1.2450	Ave		1.1906				6.5		20.0			
Acrolein	+++++ 0.1728	0.2078 0.1707	0.1983 0.1660	0.1920	0.1654	Ave		0.1818				9.5		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.7258 1.0737	0.8575 1.0766	0.8607 1.0684	1.0030	1.1144	Ave		0.9725			0.1000	14.4		20.0			
1,1-Dichloroethene	1.1214 1.0228	1.1255 1.0458	1.0627 1.0188	0.9303	1.0692	Ave		1.0496			0.1000	6.0		20.0			
Acetone	+++++ 0.5492	0.7152 0.5336	0.6576 0.5486	0.5376	0.5237	Ave		0.5808			0.1000	12.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 746322

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2025 16:27 Calibration End Date: 05/16/2025 19:10 Calibration ID: 48382

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Iodomethane	1.9742 2.0362	1.7134 1.9991	1.8402 2.0091	1.9277	2.0891	Ave		1.9486				6.2		20.0			
Carbon disulfide	3.0654 3.4261	2.8018 3.5066	2.8860 3.5838	3.3126	3.6971	Ave		3.2849			0.1000	10.1		20.0			
Allyl chloride	2.5062 2.4861	2.3654 2.4944	2.1572 2.5237	2.5167	2.5812	Ave		2.4539				5.5		20.0			
Methyl acetate	1.7716 1.4674	1.5556 1.4632	1.4662 1.4521	1.4991	1.5040	Ave		1.5224			0.1000	7.0		20.0			
Methylene Chloride	4.2725 1.2816	2.5845 1.2152	1.7709 1.2195	1.2971	1.3492	Lin1	1.3970	1.1980			0.1000	12.2			0.9990		0.9900
2-Methyl-2-propanol	+++++ 0.2152	0.2199 0.2058	0.2304 0.2098	0.2133	0.2150	Ave		0.2156				3.7		20.0			
Methyl tert-butyl ether	4.3403 4.0569	3.6175 4.0560	3.8252 4.0833	4.0681	4.2031	Ave		4.0313			0.1000	5.5		20.0			
trans-1,2-Dichloroethene	1.1798 1.2221	1.1609 1.2364	1.1045 1.2283	1.2434	1.2972	Ave		1.2091			0.1000	4.9		20.0			
Acrylonitrile	0.7909 0.6877	0.6270 0.6820	0.5914 0.7046	0.6496	0.6866	Ave		0.6775				8.7		20.0			
Hexane	2.1747 1.8667	2.5134 2.0273	2.0874 2.0068	2.0784	2.0123	Ave		2.0959				9.1		20.0			
1,1-Dichloroethane	2.1345 2.2314	1.8017 2.2648	1.9275 2.2877	2.1908	2.3624	Ave		2.1501			0.2000	8.9		20.0			
Vinyl acetate	3.4484 3.1578	2.9362 3.0199	2.7520 3.2007	3.1358	3.0503	Ave		3.0876				6.6		20.0			
2,2-Dichloropropane	1.3948 1.2888	1.4344 1.2764	1.2944 1.2352	1.3879	1.4762	Ave		1.3485				6.4		20.0			
cis-1,2-Dichloroethene	1.3012 1.3196	1.2232 1.3248	1.1560 1.3244	1.2276	1.3805	Ave		1.2822			0.1000	5.7		20.0			
2-Butanone (MEK)	1.0461 0.8692	1.0364 0.8514	0.9572 0.8846	0.8718	0.8475	Ave		0.9205			0.1000	8.9		20.0			
Chlorobromomethane	+++++ 0.7253	0.8985 0.6954	0.7521 0.7114	0.7064	0.7551	Ave		0.7492				9.3		20.0			
Tetrahydrofuran	+++++ 0.5952	0.6567 0.5893	0.6927 0.6093	0.6203	0.5614	Ave		0.6178				7.2		20.0			
Chloroform	2.5152 2.1422	1.6546 2.1448	2.0581 2.1497	2.0376	2.2105	Ave		2.1141			0.2000	11.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 746322

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2025 16:27 Calibration End Date: 05/16/2025 19:10 Calibration ID: 48382

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Cyclohexane	2.3535 2.3942	2.5327 2.5114	2.3448 2.5010	2.4127	2.5726	Ave		2.4529			0.1000	3.5		20.0			
1,1,1-Trichloroethane	1.8590 1.8736	1.6958 1.8839	1.6931 1.9100	1.9096	1.9740	Ave		1.8499			0.1000	5.5		20.0			
Carbon tetrachloride	1.5089 1.6967	1.4029 1.7884	1.4885 1.8107	1.7008	1.8189	Ave		1.6520			0.1000	9.8		20.0			
1,1-Dichloropropene	1.3088 1.6589	1.2298 1.7164	1.4413 1.7637	1.6607	1.7404	Ave		1.5650				13.3		20.0			
Benzene	4.8095 4.7442	3.7628 4.8781	4.0583 5.0063	4.7425	4.9050	Ave		4.6133			0.5000	9.7		20.0			
Isobutyl alcohol	0.0734 0.0936	0.0899 0.0926	0.0783 0.0972	0.0874	0.0924	Ave		0.0881				9.3		20.0			
1,2-Dichloroethane	1.7907 1.8659	1.6076 1.8813	1.7881 1.9000	1.7945	1.9275	Ave		1.8194			0.1000	5.6		20.0			
n-Heptane	2.4694 2.0352	2.1305 2.1609	1.8722 2.2100	2.2183	2.2440	Ave		2.1676				7.9		20.0			
Trichloroethene	1.3683 1.2491	1.2306 1.2470	1.1802 1.2885	1.1830	1.2680	Ave		1.2518			0.2000	4.8		20.0			
Methylcyclohexane	2.2144 2.1245	2.1914 2.2506	2.0786 2.2814	2.2806	2.3492	Ave		2.2213			0.1000	4.0		20.0			
1,2-Dichloropropane	1.2253 1.2544	1.0692 1.2628	1.1968 1.2836	1.2334	1.2893	Ave		1.2268			0.1000	5.8		20.0			
Dibromomethane	+++++ 0.7926	0.7324 0.7936	0.7590 0.8117	0.8026	0.8167	Ave		0.7869			0.1000	3.9		20.0			
1,4-Dioxane	+++++ 0.0060	0.0051 0.0057	0.0058 0.0059	0.0057	0.0054	Ave		0.0057				5.6		20.0			
Bromodichloromethane	1.5972 1.5987	1.5201 1.6180	1.7535 1.6555	1.5891	1.5734	Ave		1.6132			0.2000	4.2		20.0			
2-Chloroethyl vinyl ether	0.8131 0.9131	0.7143 0.9088	0.8557 0.9615	0.8948	0.9247	Ave		0.8733				9.0		20.0			
cis-1,3-Dichloropropene	1.8906 2.1253	1.6572 2.1449	1.8541 2.2161	2.0684	2.1302	Ave		2.0109			0.2000	9.5		20.0			
4-Methyl-2-pentanone (MIBK)	0.9828 0.8612	0.8112 0.9039	0.8223 0.9182	0.8417	0.8320	Ave		0.8717			0.1000	6.7		20.0			
Toluene	1.5778 1.4930	1.2463 1.5728	1.3649 1.5636	1.5474	1.4738	Ave		1.4800			0.4000	8.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 746322

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2025 16:27 Calibration End Date: 05/16/2025 19:10 Calibration ID: 48382

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
trans-1,3-Dichloropropene	0.9675 0.9361	0.7983 0.9852	0.8008 0.9823	0.9670	0.9122	Ave		0.9187			0.1000	8.4		20.0			
Ethyl methacrylate	+++++ 0.8472	0.8051 0.8943	0.9497 0.9024	0.9119	0.8462	Ave		0.8796				5.6		20.0			
1,1,2-Trichloroethane	0.4304 0.4514	0.4939 0.4572	0.4890 0.4557	0.4231	0.4424	Ave		0.4554			0.1000	5.5		20.0			
Tetrachloroethene	0.5940 0.6791	0.6018 0.7016	0.5963 0.7127	0.7156	0.6942	Ave		0.6619			0.2000	8.3		20.0			
1,3-Dichloropropane	0.9613 0.9420	0.8321 0.9834	0.8115 0.9759	0.9242	0.9267	Ave		0.9196				7.0		20.0			
2-Hexanone	0.5641 0.5661	0.4831 0.5961	0.5749 0.6144	0.5715	0.5527	Ave		0.5654			0.1000	6.8		20.0			
Dibromochloromethane	0.6525 0.6603	0.6011 0.6958	0.5845 0.6979	0.6627	0.6593	Ave		0.6518			0.1000	6.2		20.0			
1,2-Dibromoethane	0.5568 0.5863	0.5008 0.5952	0.4981 0.5966	0.5824	0.5746	Ave		0.5613				7.2		20.0			
Chlorobenzene	1.8290 1.7431	1.5228 1.8042	1.4846 1.8288	1.7541	1.7302	Ave		1.7121			0.5000	7.9		20.0			
Ethylbenzene	2.7083 2.8528	2.3004 3.0243	2.3620 3.0992	2.8086	2.9272	Ave		2.7604			0.1000	10.6		20.0			
1,1,1,2-Tetrachloroethane	0.6595 0.6535	0.5139 0.6786	0.5514 0.6735	0.6274	0.6382	Ave		0.6245				9.6		20.0			
m,p-Xylene	1.1419 1.1432	0.9830 1.1867	1.0042 1.2030	1.1838	1.1809	Ave		1.1284			0.1000	7.6		20.0			
o-Xylene	1.1356 1.1254	0.9874 1.1534	0.9584 1.1581	1.1132	1.1226	Ave		1.0943			0.3000	7.0		20.0			
Styrene	1.8388 1.8908	1.6144 1.9056	1.5715 1.9488	1.7809	1.8572	Ave		1.8010			0.3000	7.7		20.0			
Bromoform	0.4511 0.4988	0.3559 0.5099	0.4184 0.5158	0.5004	0.4875	Ave		0.4672			0.1000	11.9		20.0			
Isopropylbenzene	2.2741 2.4500	2.1289 2.5286	2.0792 2.5678	2.5283	2.4574	Ave		2.3768			0.1000	8.0		20.0			
Bromobenzene	0.7403 0.7229	0.5987 0.7309	0.6749 0.7359	0.7126	0.7380	Ave		0.7068				6.9		20.0			
1,1,2,2-Tetrachloroethane	0.7200 0.7168	0.7383 0.7186	0.6820 0.7163	0.7041	0.6988	Ave		0.7119			0.3000	2.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 746322

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2025 16:27 Calibration End Date: 05/16/2025 19:10 Calibration ID: 48382

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
N-Propylbenzene	2.6714 3.1208	2.2871 3.2853	2.5860 3.3155	3.0918	3.1376	Ave		2.9370				12.7		20.0			
1,2,3-Trichloropropane	+++++ 0.2555	0.2712 0.2542	0.2908 0.2467	0.2583	0.2593	Ave		0.2623				5.5		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.3137	0.3263 0.3218	0.2737 0.3150	0.3235	0.2753	Ave		0.3071				7.4		20.0			
2-Chlorotoluene	0.7762 0.6503	0.6624 0.6820	0.5907 0.6575	0.6352	0.6374	Ave		0.6615				8.1		20.0			
1,3,5-Trimethylbenzene	2.1229 2.2031	1.8270 2.2853	1.9444 2.3426	2.1824	2.2340	Ave		2.1427				8.1		20.0			
4-Chlorotoluene	0.8230 0.7024	0.6640 0.7116	0.6582 0.7064	0.7139	0.6865	Ave		0.7083				7.2		20.0			
tert-Butylbenzene	0.5291 0.5120	0.4265 0.5478	0.4469 0.5449	0.5302	0.5448	Ave		0.5103				9.2		20.0			
1,2,4-Trimethylbenzene	2.4851 2.3123	1.8764 2.3798	1.9723 2.4280	2.2329	2.2881	Ave		2.2469				9.6		20.0			
sec-Butylbenzene	2.5416 2.8098	2.1401 2.9505	2.2779 3.0350	2.8273	2.8554	Ave		2.6797				12.1		20.0			
1,3-Dichlorobenzene	1.2169 1.3779	1.1500 1.4147	1.1661 1.4151	1.3619	1.3670	Ave		1.3087			0.6000	8.5		20.0			
4-Isopropyltoluene	2.3379 2.5235	2.0344 2.6573	2.1531 2.7407	2.5184	2.5388	Ave		2.4380				10.0		20.0			
1,4-Dichlorobenzene	1.4747 1.3993	1.1981 1.4402	1.2232 1.4506	1.3754	1.3926	Ave		1.3693			0.5000	7.6		20.0			
n-Butylbenzene	1.9755 2.1618	1.7028 2.3171	1.7882 2.3693	2.1637	2.1883	Ave		2.0833				11.5		20.0			
1,2-Dichlorobenzene	1.2613 1.3216	1.1118 1.3464	1.1054 1.3485	1.2501	1.2887	Ave		1.2542			0.4000	7.7		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1534	0.1687 0.1576	0.1200 0.1596	0.1554	0.1540	Ave		0.1527			0.0500	10.0		20.0			
1,2,4-Trichlorobenzene	0.8928 0.9430	0.7218 0.9552	0.7973 0.9655	0.9135	0.8843	Ave		0.8842			0.2000	9.6		20.0			
Hexachlorobutadiene	0.4337 0.4552	0.3500 0.4595	0.3810 0.4565	0.4573	0.4513	Ave		0.4306				9.7		20.0			
Naphthalene	2.6991 2.5372	2.1008 2.6140	2.2156 2.6885	2.4248	2.3674	Ave		2.4559				8.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 746322

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2025 16:27 Calibration End Date: 05/16/2025 19:10 Calibration ID: 48382

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	0.8420 0.8828	0.6047 0.8768	0.7689 0.8966	0.8257	0.8053	Ave		0.8128				11.6		20.0			
Dibromofluoromethane (Surr)	1.3450 1.3882	1.3615 1.3355	1.4129 1.3611	1.3270	1.4132	Ave		1.3681				2.4		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8254 0.8361	0.8345 0.8465	0.8912 0.8722	0.8306	0.8885	Ave		0.8531				3.1		20.0			
Toluene-d8 (Surr)	2.4638 2.4689	2.5203 2.5040	2.4792 2.5153	2.5251	2.4349	Ave		2.4889				1.3		20.0			
4-Bromofluorobenzene (Surr)	0.8841 0.8650	0.8652 0.8772	0.8538 0.8768	0.8644	0.8700	Ave		0.8696				1.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 746322

SDG No.:

Instrument ID: HP5973S | GC Column: ZB-624 (20 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2025 16:27 | Calibration End Date: 05/16/2025 19:10 | Calibration ID: 48382

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-746322/13	S8278.d
Level 2	IC 480-746322/14	S8279.d
Level 3	IC 480-746322/15	S8280.d
Level 4	IC 480-746322/16	S8281.d
Level 5	IC 480-746322/17	S8282.d
Level 6	ICIS 480-746322/18	S8283.d
Level 7	IC 480-746322/19	S8284.d
Level 8	IC 480-746322/20	S8285.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	6960 325001	11481 696993	22679 1407763	71397	133917	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	7159 346774	13535 723946	26634 1475611	77724	145207	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	4469 260790	8083 544312	16661 1111006	53444	112600	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	5860 312188	11448 655638	23332 1331869	66569	137489	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	3723 157427	7539 332158	13226 663984	34605	72765	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	3728 172363	7530 344086	13389 706077	35560	74283	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	8559 405620	17321 839569	30793 1712021	82911	169114	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 339520	9901 728689	21356 1470947	70428	146861	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	5068 219356	8013 451952	16691 894315	45956	89428	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	+++++ 160351	7849 330568	14181 635910	36635	59418	+++++ 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	2761 199235	6479 417079	12311 818737	38282	80050	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	4266 189798	8504 405157	15200 780773	35507	76805	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	+++++ 509600	27019 1033627	47033 2102005	102602	188105	+++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	7510 377849	12946 774433	26322 1539671	73576	150062	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	11661	21169	41281	126435	265569	0.500	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 746322

SDG No.:

Instrument ID: HP5973S | GC Column: ZB-624 (20 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2025 16:27 | Calibration End Date: 05/16/2025 19:10 | Calibration ID: 48382

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			635749	1358451	2746351			25.0	50.0	100		
Allyl chloride	FB	Ave	9534 461323	17872 966318	30856 1934002	96057	185408	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	13479 544592	23507 1133679	41943 2225553	114438	216071	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	16253 237814	19527 470748	25330 934543	49509	96916	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	+++++ 399283	16618 797091	32956 1607849	81408	154436	+++++ 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	16511 752809	27332 1571290	54715 3129153	155272	301909	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	4488 226778	8771 478967	15799 941264	47458	93177	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	30086 1276086	47374 2642207	84585 5399743	247930	493166	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	8273 346395	18990 785360	29857 1537908	79329	144542	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	8120 414074	13613 877365	27570 1753154	83618	169690	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	26236 1171944	44369 2339762	78728 4905613	239373	438205	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	5306 239156	10838 494463	18514 946575	52975	106037	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	4950 244866	9242 513239	16535 1014964	46857	99163	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	19897 806446	39153 1649187	68460 3389625	166367	304390	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	+++++ 134596	6789 269398	10758 545155	26963	54243	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 220880	9924 456613	19816 933873	47349	80646	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	9568 397506	12501 830887	29438 1647414	77773	158782	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	8953 444281	19136 972921	33539 1916598	92090	184790	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	7072 347675	12813 729826	24218 1463717	72885	141793	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	5740 314845	10600 692827	21291 1387575	64917	130656	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	4979 307833	9292 664920	20616 1351556	63386	125011	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 746322

SDG No.:

Instrument ID: HP5973S | GC Column: ZB-624 (20 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2025 16:27 | Calibration End Date: 05/16/2025 19:10 | Calibration ID: 48382

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	18296 880340	28430 1889763	58049 3836503	181014	352329	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	6976 434320	16980 897083	27985 1861560	83444	165979	12.5 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	6812 346234	12146 728818	25577 1456035	68492	138454	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	9394 377654	16097 837127	26779 1693614	84669	161190	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	5205 231784	9298 483082	16881 987411	45152	91079	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	8424 394230	16557 871875	29732 1748316	87045	168743	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	4661 232775	8078 489197	17118 983694	47076	92612	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	+++++ 147086	5534 307431	10857 622000	30633	58662	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZd5	Ave	+++++ 46989	1568 90245	3563 190537	8842	16963	+++++ 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	6076 296660	11485 626799	25082 1268635	60653	113017	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	3093 169445	5397 352057	12240 736847	34154	66423	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	7192 394385	12521 830936	26521 1698291	78948	153013	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZd5	Ave	38134 1683233	62508 3569831	127231 7414045	325574	655021	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZd5	Ave	12245 583623	19207 1242298	42238 2524930	119711	232059	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZd5	Ave	7508 365934	12302 778214	24782 1586356	74810	143638	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZd5	Ave	+++++ 331192	12407 706386	29388 1457279	70546	133244	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZd5	Ave	3340 176442	7612 361161	15131 735890	32735	69653	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZd5	Ave	4610	9274	18452	55356	109299	0.500	1.00	2.00	5.00	10.0

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RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 746322

SDG No.:

Instrument ID: HP5973S | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2025 16:27 | Calibration End Date: 05/16/2025 19:10 | Calibration ID: 48382

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			265486	554180	1150878			25.0	50.0	100		
1,3-Dichloropropane	CBNZd5	Ave	7460 368241	12824 776779	25112 1575904	71494	145909	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZd5	Ave	21889 1106425	37227 2354245	88944 4961009	221063	435109	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZd5	Ave	5064 258136	9264 549583	18086 1126981	51266	103815	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZd5	Ave	4321 229177	7718 470129	15414 963384	45058	90471	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobenzene	CBNZd5	Ave	14194 681417	23467 1425112	45940 2953278	135701	272431	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZd5	Ave	21018 1115203	35451 2388819	73092 5004802	217274	460905	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZd5	Ave	5118 255455	7920 535998	17062 1087677	48533	100486	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZd5	Ave	8862 446910	15149 937355	31075 1942677	91582	185942	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZd5	Ave	8813 439935	15216 911058	29656 1870151	86120	176764	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZd5	Ave	14270 739158	24879 1505159	48631 3147055	137774	292430	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZd5	Ave	3501 195003	5484 402762	12948 832917	38713	76755	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd4	Ave	19544 1049921	35670 2183731	67806 4581589	207020	422988	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd4	Ave	6362 309783	10032 631234	22009 1313069	58351	127031	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	6188 307155	12371 620620	22241 1278048	57648	120289	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd4	Ave	22959 1337377	38321 2837191	84333 5915610	253155	540074	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd4	Ave	+++++	4544	9482	21148	44638	+++++	1.00	2.00	5.00	10.0

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SDG No.:

Instrument ID: HP5973S | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2025 16:27 | Calibration End Date: 05/16/2025 19:10 | Calibration ID: 48382

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			109481	219546	440154			25.0	50.0	100		
trans-1,4-Dichloro-2-butene	DCBd4	Ave	+++++ 134447	5468 277907	8925 562027	26487	47392	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd4	Ave	6671 278697	11099 589017	19263 1173092	52014	109706	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd4	Ave	18245 944099	30612 1973619	63408 4179649	178697	384529	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd4	Ave	7073 300987	11126 614535	21466 1260441	58453	118173	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd4	Ave	4547 219429	7147 473052	14574 972145	43412	93781	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd4	Ave	21358 990898	31440 2055204	64317 4332035	182831	393848	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd4	Ave	21843 1204100	35859 2548026	74286 5415029	231501	491499	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd4	Ave	10458 590476	19268 1221729	38027 2524788	111512	235307	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd4	Ave	20093 1081417	34088 2294835	70215 4890067	206206	436989	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dichlorobenzene	DCBd4	Ave	12674 599654	20075 1243714	39891 2588239	112615	239701	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd4	Ave	16978 926421	28531 2001032	58315 4227385	177162	376673	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd4	Ave	10840 566368	18629 1162756	36047 2406067	102356	221828	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	+++++ 65758	2827 136144	3912 284685	12720	26509	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd4	Ave	7673 404095	12094 824923	26000 1722730	74794	152214	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd4	Ave	3727 195075	5865 396848	12424 814543	37446	77673	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd4	Ave	23197 1087275	35199 2257404	72254 4796941	198539	407502	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd4	Ave	7236 378319	10132 757204	25075 1599782	67609	138608	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	255820 257603	257162 258689	252627 260773	253252	253772	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	157003 155140	157619 163957	159349 167096	158513	159554	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZd5	Ave	956010	971015	958989	976720	958468	25.0	25.0	25.0	25.0	25.0

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Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 746322

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2025 16:27 Calibration End Date: 05/16/2025 19:10 Calibration ID: 48382

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			965121	988931	1015483			25.0	25.0	25.0		
4-Bromofluorobenzene (Surr)	CBNZd 5	Ave	343067	333346	330270	334341	342481	25.0	25.0	25.0	25.0	25.0
			338136	346436	353987			25.0	25.0	25.0		

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 746322

SDG No.:

Instrument ID: HP5973S | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2025 16:27 | Calibration End Date: 05/16/2025 19:10 | Calibration ID: 48382

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-746322/13	S8278.d
Level 2	IC 480-746322/14	S8279.d
Level 3	IC 480-746322/15	S8280.d
Level 4	IC 480-746322/16	S8281.d
Level 5	IC 480-746322/17	S8282.d
Level 6	ICIS 480-746322/18	S8283.d
Level 7	IC 480-746322/19	S8284.d
Level 8	IC 480-746322/20	S8285.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	4.1						30					
Chloromethane	-1.3						30					
Vinyl chloride	-11.6						30					
Butadiene	-8.4						30					
Bromomethane	5.9						30					
Chloroethane	2.9						30					
Dichlorofluoromethane	1.1						30					
Trichlorofluoromethane	+++++	-25.6						30				
Ethyl ether	11.9						30					
Acrolein	+++++	14.3						30				
1,1,2-Trichloro-1,2,2-trifluoroethane	-25.4						30					
1,1-Dichloroethene	6.8						30					
Acetone	+++++	23.1						30				
Iodomethane	1.3						30					
Carbon disulfide	-6.7						30					

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SDG No.:

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ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Allyl chloride	2.1						30					
Methyl acetate	16.4						30					
Methylene Chloride	23.4						30					
2-Methyl-2-propanol	+++++	2.0						30				
Methyl tert-butyl ether	7.7						30					
trans-1,2-Dichloroethene	-2.4						30					
Acrylonitrile	16.7						30					
Hexane	3.8						30					
1,1-Dichloroethane	-0.7						30					
Vinyl acetate	11.7						30					
2,2-Dichloropropane	3.4						30					
cis-1,2-Dichloroethene	1.5						30					
2-Butanone (MEK)	13.6						30					
Chlorobromomethane	+++++	19.9						30				
Tetrahydrofuran	+++++	6.3						30				
Chloroform	19.0						30					
Cyclohexane	-4.1						30					
1,1,1-Trichloroethane	0.5						30					
Carbon tetrachloride	-8.7						30					
1,1-Dichloropropene	-16.4						30					
Benzene	4.3						30					

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ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Isobutyl alcohol	-16.7						30					
1,2-Dichloroethane	-1.6						30					
n-Heptane	13.9						30					
Trichloroethene	9.3						30					
Methylcyclohexane	-0.3						30					
1,2-Dichloropropane	-0.1						30					
Dibromomethane	+++++	-6.9						30				
1,4-Dioxane	+++++	-10.0						30				
Bromodichloromethane	-1.0						30					
2-Chloroethyl vinyl ether	-6.9						30					
cis-1,3-Dichloropropene	-6.0						30					
4-Methyl-2-pentanone (MIBK)	12.7						30					
Toluene	6.6						30					
trans-1,3-Dichloropropene	5.3						30					
Ethyl methacrylate	+++++	-8.5						30				
1,1,2-Trichloroethane	-5.5						30					
Tetrachloroethene	-10.3						30					
1,3-Dichloropropane	4.5						30					
2-Hexanone	-0.2						30					
Dibromochloromethane	0.1						30					
1,2-Dibromoethane	-0.8						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 746322

SDG No.:

Instrument ID: HP5973S | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2025 16:27 | Calibration End Date: 05/16/2025 19:10 | Calibration ID: 48382

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chlorobenzene	6.8						30					
Ethylbenzene	-1.9						30					
1,1,1,2-Tetrachloroethane	5.6						30					
m,p-Xylene	1.2						30					
o-Xylene	3.8						30					
Styrene	2.1						30					
Bromoform	-3.4						30					
Isopropylbenzene	-4.3						30					
Bromobenzene	4.7						30					
1,1,2,2-Tetrachloroethane	1.1						30					
N-Propylbenzene	-9.0						30					
1,2,3-Trichloropropane	+++++	3.4						30				
trans-1,4-Dichloro-2-butene	+++++	6.3						30				
2-Chlorotoluene	17.3						30					
1,3,5-Trimethylbenzene	-0.9						30					
4-Chlorotoluene	16.2						30					
tert-Butylbenzene	3.7						30					
1,2,4-Trimethylbenzene	10.6						30					
sec-Butylbenzene	-5.2						30					
1,3-Dichlorobenzene	-7.0						30					
4-Isopropyltoluene	-4.1						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 746322

SDG No.:

Instrument ID: HP5973S | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2025 16:27 | Calibration End Date: 05/16/2025 19:10 | Calibration ID: 48382

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	7.7						30					
n-Butylbenzene	-5.2						30					
1,2-Dichlorobenzene	0.6						30					
1,2-Dibromo-3-Chloropropane	+++++	10.5						30				
1,2,4-Trichlorobenzene	1.0						30					
Hexachlorobutadiene	0.7						30					
Naphthalene	9.9						30					
1,2,3-Trichlorobenzene	3.6						30					
Dibromofluoromethane (Surr)	-1.7						30					
1,2-Dichloroethane-d4 (Surr)	-3.2						30					
Toluene-d8 (Surr)	-1.0						30					
4-Bromofluorobenzene (Surr)	1.7						30					

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 480-746322/34 Calibration Date: 05/17/2025 00:33

Instrument ID: HP5973S Calib Start Date: 05/16/2025 16:27

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/16/2025 19:10

Lab File ID: S8299.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
								%D</= 30
Dichlorodifluoromethane	Ave	1.757	1.765	0.1000	25.1	25.0	0.5	50.0
Chloromethane	Ave	1.907	1.871	0.1000	24.5	25.0	-1.9	30.0
Butadiene	Ave	1.682	1.715		25.5	25.0	1.9	30.0
Vinyl chloride	Ave	1.330	1.637	0.1000	30.8	25.0	23.1	30.0
Bromomethane	Ave	0.9241	0.9536	0.1000	25.8	25.0	3.2	50.0
Chloroethane	Ave	0.9521	0.9796	0.1000	25.7	25.0	2.9	50.0
Dichlorofluoromethane	Ave	2.226	2.298		25.8	25.0	3.2	30.0
Trichlorofluoromethane	Ave	1.760	2.067	0.1000	29.4	25.0	17.4	30.0
Ethyl ether	Ave	1.191	1.264		26.6	25.0	6.2	30.0
Acrolein not target compound	Ave	0.1818	0.1013		69.6	125	-44.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.9725	1.111	0.1000	28.6	25.0	14.2	30.0
1,1-Dichloroethene	Ave	1.050	1.098	0.1000	26.2	25.0	4.6	30.0
Acetone	Ave	0.5808	0.5745	0.1000	124	125	-1.1	50.0
Iodomethane	Ave	1.949	2.109		27.1	25.0	8.2	30.0
Carbon disulfide	Ave	3.285	3.637	0.1000	27.7	25.0	10.7	30.0
Allyl chloride	Ave	2.454	2.431		24.8	25.0	-0.9	30.0
Methyl acetate	Ave	1.522	1.549	0.1000	50.9	50.0	1.8	50.0
Methylene Chloride	Lin1		1.315	0.1000	26.3	25.0	5.1	30.0
2-Methyl-2-propanol	Ave	0.2156	0.1992		231	250	-7.6	50.0
Methyl tert-butyl ether	Ave	4.031	4.389	0.1000	27.2	25.0	8.9	30.0
trans-1,2-Dichloroethene	Ave	1.209	1.297	0.1000	26.8	25.0	7.3	30.0
Acrylonitrile	Ave	0.6775	0.7259		268	250	7.2	30.0
Hexane	Ave	2.096	1.946		23.2	25.0	-7.1	30.0
1,1-Dichloroethane	Ave	2.150	2.439	0.2000	28.4	25.0	13.4	30.0
Vinyl acetate	Ave	3.088	2.372		38.4	50.0	-23.2	30.0
2,2-Dichloropropane	Ave	1.349	1.263		23.4	25.0	-6.4	30.0
cis-1,2-Dichloroethene	Ave	1.282	1.383	0.1000	27.0	25.0	7.9	30.0
2-Butanone (MEK)	Ave	0.9205	0.9210	0.1000	125	125	0.0	30.0
Chlorobromomethane	Ave	0.7492	0.7595		25.3	25.0	1.4	30.0
Tetrahydrofuran	Ave	0.6178	0.6250		50.6	50.0	1.2	30.0
Chloroform	Ave	2.114	2.287	0.2000	27.0	25.0	8.2	30.0
1,1,1-Trichloroethane	Ave	1.850	2.047	0.1000	27.7	25.0	10.7	30.0
Cyclohexane	Ave	2.453	2.512	0.1000	25.6	25.0	2.4	30.0
Carbon tetrachloride	Ave	1.652	1.836	0.1000	27.8	25.0	11.1	30.0
1,1-Dichloropropene	Ave	1.565	1.758		28.1	25.0	12.4	30.0
Benzene	Ave	4.613	5.205	0.5000	28.2	25.0	12.8	30.0
Isobutyl alcohol	Ave	0.0881	0.0927		657	625	5.2	50.0
1,2-Dichloroethane	Ave	1.819	2.004	0.1000	27.5	25.0	10.2	30.0
n-Heptane	Ave	2.168	2.147		24.8	25.0	-1.0	30.0
Trichloroethene	Ave	1.252	1.410	0.2000	28.2	25.0	12.6	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 480-746322/34 Calibration Date: 05/17/2025 00:33

Instrument ID: HP5973S Calib Start Date: 05/16/2025 16:27

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/16/2025 19:10

Lab File ID: S8299.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.221	2.293	0.1000	25.8	25.0	3.2	30.0
1,2-Dichloropropane	Ave	1.227	1.327	0.1000	27.0	25.0	8.2	30.0
Dibromomethane	Ave	0.7869	0.8683	0.1000	27.6	25.0	10.3	30.0
1,4-Dioxane	Ave	0.0057	0.0057		506	500	1.3	50.0
Bromodichloromethane	Ave	1.613	1.762	0.2000	27.3	25.0	9.2	30.0
2-Chloroethyl vinyl ether	Ave	0.8733	1.037		29.7	25.0	18.8	30.0
cis-1,3-Dichloropropene	Ave	2.011	2.160	0.2000	26.8	25.0	7.4	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8717	0.9279	0.1000	133	125	6.4	30.0
Toluene	Ave	1.480	1.549	0.4000	26.2	25.0	4.6	30.0
trans-1,3-Dichloropropene	Ave	0.9187	0.9886	0.1000	26.9	25.0	7.6	30.0
Ethyl methacrylate	Ave	0.8796	0.8584		24.4	25.0	-2.4	30.0
1,1,2-Trichloroethane	Ave	0.4554	0.4724	0.1000	25.9	25.0	3.7	30.0
Tetrachloroethene	Ave	0.6619	0.7069	0.2000	26.7	25.0	6.8	30.0
1,3-Dichloropropane	Ave	0.9196	0.9944		27.0	25.0	8.1	30.0
2-Hexanone	Ave	0.5654	0.6062	0.1000	134	125	7.2	30.0
Dibromochloromethane	Ave	0.6518	0.6692	0.1000	25.7	25.0	2.7	30.0
1,2-Dibromoethane	Ave	0.5613	0.6023		26.8	25.0	7.3	30.0
Chlorobenzene	Ave	1.712	1.777	0.5000	26.0	25.0	3.8	30.0
1,1,1,2-Tetrachloroethane	Ave	0.6245	0.6663		26.7	25.0	6.7	30.0
Ethylbenzene	Ave	2.760	2.973	0.1000	26.9	25.0	7.7	30.0
m,p-Xylene	Ave	1.128	1.165	0.1000	25.8	25.0	3.3	30.0
o-Xylene	Ave	1.094	1.132	0.3000	25.9	25.0	3.5	30.0
Styrene	Ave	1.801	1.918	0.3000	26.6	25.0	6.5	30.0
Bromoform	Ave	0.4672	0.4950	0.1000	26.5	25.0	5.9	50.0
Isopropylbenzene	Ave	2.377	2.790	0.1000	29.3	25.0	17.4	30.0
Bromobenzene	Ave	0.7068	0.7561		26.7	25.0	7.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7119	0.7166	0.3000	25.2	25.0	0.7	30.0
N-Propylbenzene	Ave	2.937	3.314		28.2	25.0	12.9	30.0
1,2,3-Trichloropropane	Ave	0.2623	0.2636		25.1	25.0	0.5	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3071	0.2998		24.4	25.0	-2.3	50.0
2-Chlorotoluene	Ave	0.6615	0.6774		25.6	25.0	2.4	30.0
1,3,5-Trimethylbenzene	Ave	2.143	2.308		26.9	25.0	7.7	30.0
4-Chlorotoluene	Ave	0.7083	0.7193		25.4	25.0	1.6	30.0
tert-Butylbenzene	Ave	0.5103	0.5433		26.6	25.0	6.5	30.0
1,2,4-Trimethylbenzene	Ave	2.247	2.369		26.4	25.0	5.4	30.0
sec-Butylbenzene	Ave	2.680	2.939		27.4	25.0	9.7	30.0
1,3-Dichlorobenzene	Ave	1.309	1.407	0.6000	26.9	25.0	7.5	30.0
4-Isopropyltoluene	Ave	2.438	2.555		26.2	25.0	4.8	30.0
1,4-Dichlorobenzene	Ave	1.369	1.446	0.5000	26.4	25.0	5.6	30.0
n-Butylbenzene	Ave	2.083	2.227		26.7	25.0	6.9	30.0
1,2-Dichlorobenzene	Ave	1.254	1.335	0.4000	26.6	25.0	6.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 480-746322/34 Calibration Date: 05/17/2025 00:33

Instrument ID: HP5973S Calib Start Date: 05/16/2025 16:27

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/16/2025 19:10

Lab File ID: S8299.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1527	0.1535	0.0500	25.1	25.0	0.6	50.0
1,2,4-Trichlorobenzene	Ave	0.8842	0.9455	0.2000	26.7	25.0	6.9	30.0
Hexachlorobutadiene	Ave	0.4306	0.4422		25.7	25.0	2.7	30.0
Naphthalene	Ave	2.456	2.553		26.0	25.0	4.0	30.0
1,2,3-Trichlorobenzene	Ave	0.8128	0.8431		25.9	25.0	3.7	30.0
Dibromofluoromethane (Surr)	Ave	1.368	1.405		25.7	25.0	2.7	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8531	0.8998		26.4	25.0	5.5	30.0
Toluene-d8 (Surr)	Ave	2.489	2.520		25.3	25.0	1.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.8696	0.8506		24.5	25.0	-2.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

not bracketing samples

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVIS 480-751892/4 Calibration Date: 07/16/2025 11:28

Instrument ID: HP5973S Calib Start Date: 05/16/2025 16:27

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/16/2025 19:10

Lab File ID: S9593.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.757	1.532	0.1000	21.8	25.0	-12.8	50.0
Chloromethane	Ave	1.907	2.042	0.1000	26.8	25.0	7.1	20.0
Vinyl chloride	Ave	1.330	1.625	0.1000	30.6	25.0	22.2*	20.0
Butadiene	Ave	1.682	1.841		27.4	25.0	9.4	20.0
Bromomethane	Ave	0.9241	0.8527	0.1000	23.1	25.0	-7.7	50.0
Chloroethane	Ave	0.9521	0.9121	0.1000	23.9	25.0	-4.2	50.0
Dichlorofluoromethane	Ave	2.226	2.289		25.7	25.0	2.8	20.0
Trichlorofluoromethane	Ave	1.760	2.021	0.1000	28.7	25.0	14.8	20.0
Ethyl ether	Ave	1.191	1.093		23.0	25.0	-8.2	20.0
Acrolein	Ave	0.1818	0.1366		93.9	125	-24.9	50.0
1,1-Dichloroethene	Ave	1.050	0.9276	0.1000	22.1	25.0	-11.6	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.9725	1.022	0.1000	26.3	25.0	5.1	20.0
Acetone	Ave	0.5808	0.6876	0.1000	148	125	18.4	50.0
Iodomethane	Ave	1.949	1.677		21.5	25.0	-13.9	20.0
Carbon disulfide	Ave	3.285	3.069	0.1000	23.4	25.0	-6.6	20.0
Allyl chloride	Ave	2.454	2.532		25.8	25.0	3.2	20.0
Methyl acetate	Ave	1.522	1.367	0.1000	44.9	50.0	-10.2	50.0
Methylene Chloride	Lin1		1.127	0.1000	22.3	25.0	-10.6	20.0
2-Methyl-2-propanol	Ave	0.2156	0.1231		143	250	-42.9	50.0
Methyl tert-butyl ether	Ave	4.031	3.752	0.1000	23.3	25.0	-6.9	20.0
trans-1,2-Dichloroethene	Ave	1.209	1.145	0.1000	23.7	25.0	-5.3	20.0
Acrylonitrile	Ave	0.6775	0.6919		255	250	2.1	20.0
Hexane	Ave	2.096	1.938		23.1	25.0	-7.5	20.0
1,1-Dichloroethane	Ave	2.150	2.207	0.2000	25.7	25.0	2.7	20.0
Vinyl acetate	Ave	3.088	2.889		46.8	50.0	-6.4	20.0
2,2-Dichloropropane	Ave	1.349	1.184		22.0	25.0	-12.2	20.0
cis-1,2-Dichloroethene	Ave	1.282	1.205	0.1000	23.5	25.0	-6.0	20.0
2-Butanone (MEK)	Ave	0.9205	0.9280	0.1000	126	125	0.8	20.0
Chlorobromomethane	Ave	0.7492	0.6263		20.9	25.0	-16.4	20.0
Tetrahydrofuran	Ave	0.6178	0.6247		50.6	50.0	1.1	20.0
Chloroform	Ave	2.114	2.007	0.2000	23.7	25.0	-5.0	20.0
1,1,1-Trichloroethane	Ave	1.850	1.714	0.1000	23.2	25.0	-7.3	20.0
Cyclohexane	Ave	2.453	2.414	0.1000	24.6	25.0	-1.6	20.0
Carbon tetrachloride	Ave	1.652	1.375	0.1000	20.8	25.0	-16.8	20.0
1,1-Dichloropropene	Ave	1.565	1.652		26.4	25.0	5.6	20.0
Benzene	Ave	4.613	4.492	0.5000	24.3	25.0	-2.6	20.0
Isobutyl alcohol	Ave	0.0881	0.0511		362	625	-42.0	50.0
1,2-Dichloroethane	Ave	1.819	1.900	0.1000	26.1	25.0	4.4	20.0
n-Heptane	Ave	2.168	2.285		26.4	25.0	5.4	20.0
Trichloroethene	Ave	1.252	1.160	0.2000	23.2	25.0	-7.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVIS 480-751892/4 | Calibration Date: 07/16/2025 11:28

Instrument ID: HP5973S | Calib Start Date: 05/16/2025 16:27

GC Column: ZB-624 (20) ID: 0.18(mm) | Calib End Date: 05/16/2025 19:10

Lab File ID: S9593.d | Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.221	2.046	0.1000	23.0	25.0	-7.9	20.0
1,2-Dichloropropane	Ave	1.227	1.205	0.1000	24.5	25.0	-1.8	20.0
Dibromomethane	Ave	0.7869	0.7146	0.1000	22.7	25.0	-9.2	20.0
1,4-Dioxane	Ave	0.0057	0.0062		550	500	10.0	50.0
Bromodichloromethane	Ave	1.613	1.332	0.2000	20.6	25.0	-17.4	20.0
2-Chloroethyl vinyl ether	Ave	0.8733	0.8092		23.2	25.0	-7.3	20.0
cis-1,3-Dichloropropene	Ave	2.011	1.821	0.2000	22.6	25.0	-9.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8717	0.9422	0.1000	135	125	8.1	20.0
Toluene	Ave	1.480	1.476	0.4000	24.9	25.0	-0.2	20.0
trans-1,3-Dichloropropene	Ave	0.9187	0.8402	0.1000	22.9	25.0	-8.5	20.0
Ethyl methacrylate	Ave	0.8796	0.6466		18.4	25.0	-26.5*	20.0
1,1,2-Trichloroethane	Ave	0.4554	0.4282	0.1000	23.5	25.0	-6.0	20.0
Tetrachloroethene	Ave	0.6619	0.6360	0.2000	24.0	25.0	-3.9	20.0
1,3-Dichloropropane	Ave	0.9196	0.9121		24.8	25.0	-0.8	20.0
2-Hexanone	Ave	0.5654	0.6078	0.1000	134	125	7.5	20.0
Dibromochloromethane	Ave	0.6518	0.4702	0.1000	18.0	25.0	-27.9*	20.0
1,2-Dibromoethane	Ave	0.5613	0.5312		23.7	25.0	-5.4	20.0
Chlorobenzene	Ave	1.712	1.660	0.5000	24.2	25.0	-3.0	20.0
Ethylbenzene	Ave	2.760	2.855	0.1000	25.9	25.0	3.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6245	0.5211		20.9	25.0	-16.6	20.0
m,p-Xylene	Ave	1.128	1.085	0.1000	24.0	25.0	-3.9	20.0
o-Xylene	Ave	1.094	1.057	0.3000	24.2	25.0	-3.4	20.0
Styrene	Ave	1.801	1.669	0.3000	23.2	25.0	-7.3	20.0
Bromoform	Ave	0.4672	0.2807	0.1000	15.0	25.0	-39.9	50.0
Isopropylbenzene	Ave	2.377	2.369	0.1000	24.9	25.0	-0.3	20.0
Bromobenzene	Ave	0.7068	0.6627		23.4	25.0	-6.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7119	0.6675	0.3000	23.4	25.0	-6.2	20.0
N-Propylbenzene	Ave	2.937	3.089		26.3	25.0	5.2	20.0
1,2,3-Trichloropropane	Ave	0.2623	0.2258		21.5	25.0	-13.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3071	0.2875		23.4	25.0	-6.4	50.0
2-Chlorotoluene	Ave	0.6615	0.6306		23.8	25.0	-4.7	20.0
1,3,5-Trimethylbenzene	Ave	2.143	2.195		25.6	25.0	2.5	20.0
4-Chlorotoluene	Ave	0.7083	0.6633		23.4	25.0	-6.3	20.0
tert-Butylbenzene	Ave	0.5103	0.5034		24.7	25.0	-1.3	20.0
1,2,4-Trimethylbenzene	Ave	2.247	2.221		24.7	25.0	-1.1	20.0
sec-Butylbenzene	Ave	2.680	2.809		26.2	25.0	4.8	20.0
1,3-Dichlorobenzene	Ave	1.309	1.288	0.6000	24.6	25.0	-1.6	20.0
4-Isopropyltoluene	Ave	2.438	2.479		25.4	25.0	1.7	20.0
1,4-Dichlorobenzene	Ave	1.369	1.296	0.5000	23.7	25.0	-5.3	20.0
n-Butylbenzene	Ave	2.083	2.205		26.5	25.0	5.8	20.0
1,2-Dichlorobenzene	Ave	1.254	1.239	0.4000	24.7	25.0	-1.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVIS 480-751892/4 Calibration Date: 07/16/2025 11:28

Instrument ID: HP5973S Calib Start Date: 05/16/2025 16:27

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/16/2025 19:10

Lab File ID: S9593.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1527	0.1100	0.0500	18.0	25.0	-28.0	50.0
1,2,4-Trichlorobenzene	Ave	0.8842	0.8226	0.2000	23.3	25.0	-7.0	20.0
Hexachlorobutadiene	Ave	0.4306	0.4203		24.4	25.0	-2.4	20.0
Naphthalene	Ave	2.456	2.172		22.1	25.0	-11.6	20.0
1,2,3-Trichlorobenzene	Ave	0.8128	0.7710		23.7	25.0	-5.1	20.0
Dibromofluoromethane (Surr)	Ave	1.368	1.265		23.1	25.0	-7.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8531	0.9096		26.7	25.0	6.6	20.0
Toluene-d8 (Surr)	Ave	2.489	2.587		26.0	25.0	4.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8696	0.7947		22.8	25.0	-8.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVIS 480-751930/4 Calibration Date: 07/16/2025 23:36

Instrument ID: HP5973S Calib Start Date: 05/16/2025 16:27

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/16/2025 19:10

Lab File ID: S9623.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D 20%
Dichlorodifluoromethane	Ave	1.757	1.538	0.1000	21.9	25.0	-12.5	50.0
Chloromethane	Ave	1.907	2.007	0.1000	26.3	25.0	5.2	20.0
Vinyl chloride	Ave	1.330	1.551	0.1000	29.2	25.0	16.6	20.0
Butadiene	Ave	1.682	1.816		27.0	25.0	8.0	20.0
Bromomethane	Ave	0.9241	0.8342	0.1000	22.6	25.0	-9.7	50.0
Chloroethane	Ave	0.9521	0.8751	0.1000	23.0	25.0	-8.1	50.0
Dichlorofluoromethane	Ave	2.226	2.277		25.6	25.0	2.3	20.0
Trichlorofluoromethane	Ave	1.760	1.976	0.1000	28.1	25.0	12.2	20.0
Ethyl ether	Ave	1.191	1.068		22.4	25.0	-10.3	20.0
Acrolein non-target compound	Ave	0.1818	0.1237		85.0	125	-32.0	50.0
1,1-Dichloroethene	Ave	1.050	0.8423	0.1000	20.1	25.0	-19.8	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.9725	0.9575	0.1000	24.6	25.0	-1.5	20.0
Acetone	Ave	0.5808	0.6878	0.1000	148	125	18.4	50.0
Iodomethane	Ave	1.949	1.565		20.1	25.0	-19.7	20.0
Carbon disulfide	Ave	3.285	2.680	0.1000	20.4	25.0	-18.4	20.0
Allyl chloride	Ave	2.454	2.384		24.3	25.0	-2.9	20.0
Methyl acetate	Ave	1.522	1.456	0.1000	47.8	50.0	-4.4	50.0
Methylene Chloride	Lin1		1.074	0.1000	21.3	25.0	-15.0	20.0
2-Methyl-2-propanol non-target compound		0.2156	0.1437		167	250	-33.3	50.0
Methyl tert-butyl ether	Ave	4.031	3.558	0.1000	22.1	25.0	-11.8	20.0
trans-1,2-Dichloroethene	Ave	1.209	1.020	0.1000	21.1	25.0	-15.6	20.0
Acrylonitrile	Ave	0.6775	0.6936		256	250	2.4	20.0
Hexane	Ave	2.096	1.775		21.2	25.0	-15.3	20.0
1,1-Dichloroethane	Ave	2.150	2.033	0.2000	23.6	25.0	-5.4	20.0
Vinyl acetate	Ave	3.088	2.840		46.0	50.0	-8.0	20.0
2,2-Dichloropropane	Ave	1.349	1.085		20.1	25.0	-19.6	20.0
cis-1,2-Dichloroethene	Ave	1.282	1.109	0.1000	21.6	25.0	-13.5	20.0
2-Butanone (MEK)	Ave	0.9205	0.9515	0.1000	129	125	3.4	20.0
Chlorobromomethane non-target compound		0.7492	0.5759		19.2	25.0	-23.1*	20.0
Tetrahydrofuran	Ave	0.6178	0.6454		52.2	50.0	4.5	20.0
Chloroform	Ave	2.114	1.901	0.2000	22.5	25.0	-10.1	20.0
1,1,1-Trichloroethane	Ave	1.850	1.632	0.1000	22.1	25.0	-11.8	20.0
Cyclohexane	Ave	2.453	2.312	0.1000	23.6	25.0	-5.8	20.0
Carbon tetrachloride	Ave	1.652	1.406	0.1000	21.3	25.0	-14.9	20.0
1,1-Dichloropropene	Ave	1.565	1.545		24.7	25.0	-1.3	20.0
Benzene	Ave	4.613	4.315	0.5000	23.4	25.0	-6.5	20.0
Isobutyl alcohol non-target compound	e	0.0881	0.0612		434	625	-30.5	50.0
1,2-Dichloroethane	Ave	1.819	1.806	0.1000	24.8	25.0	-0.7	20.0
n-Heptane	Ave	2.168	2.119		24.4	25.0	-2.2	20.0
Trichloroethene	Ave	1.252	1.095	0.2000	21.9	25.0	-12.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVIS 480-751930/4 Calibration Date: 07/16/2025 23:36

Instrument ID: HP5973S Calib Start Date: 05/16/2025 16:27

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/16/2025 19:10

Lab File ID: S9623.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.221	1.898	0.1000	21.4	25.0	-14.5	20.0
1,2-Dichloropropane	Ave	1.227	1.161	0.1000	23.7	25.0	-5.4	20.0
Dibromomethane	Ave	0.7869	0.6876	0.1000	21.8	25.0	-12.6	20.0
1,4-Dioxane	Ave	0.0057	0.0055		487	500	-2.7	50.0
Bromodichloromethane	Ave	1.613	1.255	0.2000	19.4	25.0	-22.2*	20.0
2-Chloroethyl vinyl ether	Ave	0.8733	0.8167		23.4	25.0	-6.5	20.0
cis-1,3-Dichloropropene	Ave	2.011	1.702	0.2000	21.2	25.0	-15.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8717	0.9911	0.1000	142	125	13.7	20.0
Toluene	Ave	1.480	1.408	0.4000	23.8	25.0	-4.9	20.0
trans-1,3-Dichloropropene	Ave	0.9187	0.7734	0.1000	21.0	25.0	-15.8	20.0
Ethyl methacrylate	Ave	0.8796	0.7376		21.0	25.0	-16.1	20.0
1,1,2-Trichloroethane	Ave	0.4554	0.4214	0.1000	23.1	25.0	-7.5	20.0
Tetrachloroethene	Ave	0.6619	0.6184	0.2000	23.4	25.0	-6.6	20.0
1,3-Dichloropropane	Ave	0.9196	0.9125		24.8	25.0	-0.8	20.0
2-Hexanone	Ave	0.5654	0.6728	0.1000	149	125	19.0	20.0
Dibromochloromethane	Ave	0.6518	0.4814	0.1000	18.5	25.0	-26.1*	20.0
1,2-Dibromoethane	Ave	0.5613	0.5035		22.4	25.0	-10.3	20.0
Chlorobenzene	Ave	1.712	1.569	0.5000	22.9	25.0	-8.3	20.0
Ethylbenzene	Ave	2.760	2.658	0.1000	24.1	25.0	-3.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6245	0.5109		20.5	25.0	-18.2	20.0
m,p-Xylene	Ave	1.128	1.019	0.1000	22.6	25.0	-9.7	20.0
o-Xylene	Ave	1.094	0.998	0.3000	22.8	25.0	-8.8	20.0
Styrene	Ave	1.801	1.598	0.3000	22.2	25.0	-11.3	20.0
Bromoform	Ave	0.4672	0.2955	0.1000	15.8	25.0	-36.7	50.0
Isopropylbenzene	Ave	2.377	2.389	0.1000	25.1	25.0	0.5	20.0
Bromobenzene	Ave	0.7068	0.6554		23.2	25.0	-7.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7119	0.6865	0.3000	24.1	25.0	-3.6	20.0
N-Propylbenzene	Ave	2.937	3.099		26.4	25.0	5.5	20.0
1,2,3-Trichloropropane	Ave	0.2623	0.2426		23.1	25.0	-7.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3071	0.2864		23.3	25.0	-6.7	50.0
2-Chlorotoluene	Ave	0.6615	0.6223		23.5	25.0	-5.9	20.0
1,3,5-Trimethylbenzene	Ave	2.143	2.130		24.8	25.0	-0.6	20.0
4-Chlorotoluene	Ave	0.7083	0.6447		22.8	25.0	-9.0	20.0
tert-Butylbenzene	Ave	0.5103	0.4970		24.4	25.0	-2.6	20.0
1,2,4-Trimethylbenzene	Ave	2.247	2.176		24.2	25.0	-3.1	20.0
sec-Butylbenzene	Ave	2.680	2.754		25.7	25.0	2.8	20.0
1,3-Dichlorobenzene	Ave	1.309	1.258	0.6000	24.0	25.0	-3.9	20.0
4-Isopropyltoluene	Ave	2.438	2.400		24.6	25.0	-1.6	20.0
1,4-Dichlorobenzene	Ave	1.369	1.287	0.5000	23.5	25.0	-6.0	20.0
n-Butylbenzene	Ave	2.083	2.157		25.9	25.0	3.5	20.0
1,2-Dichlorobenzene	Ave	1.254	1.207	0.4000	24.1	25.0	-3.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVIS 480-751930/4 Calibration Date: 07/16/2025 23:36

Instrument ID: HP5973S Calib Start Date: 05/16/2025 16:27

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/16/2025 19:10

Lab File ID: S9623.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1527	0.1172	0.0500	19.2	25.0	-23.2	50.0
1,2,4-Trichlorobenzene	Ave	0.8842	0.8105	0.2000	22.9	25.0	-8.3	20.0
Hexachlorobutadiene	Ave	0.4306	0.3949		22.9	25.0	-8.3	20.0
Naphthalene	Ave	2.456	2.246		22.9	25.0	-8.6	20.0
1,2,3-Trichlorobenzene	Ave	0.8128	0.7740		23.8	25.0	-4.8	20.0
Dibromofluoromethane (Surr)	Ave	1.368	1.256		22.9	25.0	-8.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8531	0.8918		26.1	25.0	4.5	20.0
Toluene-d8 (Surr)	Ave	2.489	2.554		25.7	25.0	2.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8696	0.7903		22.7	25.0	-9.1	20.0

Highlighted analytes (1,2-dibromo-3-chloropropane; bromodichloromethane; bromoform and dibromochloromethane)
%D>20 with sensitivity decrease
Qual samples UJ,CV-

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-751902/1-A

Matrix: Solid | Lab File ID: S9599.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 07/16/2025 14:03

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Medium

Analysis Batch No.: 751892 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	28
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50
79-00-5	1,1,2-Trichloroethane	ND		100	21
75-34-3	1,1-Dichloroethane	ND		100	31
75-35-4	1,1-Dichloroethene	ND		100	35
120-82-1	1,2,4-Trichlorobenzene	ND		100	38
96-12-8	1,2-Dibromo-3-Chloropropane	ND		100	50
95-50-1	1,2-Dichlorobenzene	ND		100	26
107-06-2	1,2-Dichloroethane	ND		100	41
78-87-5	1,2-Dichloropropane	ND		100	16
541-73-1	1,3-Dichlorobenzene	ND		100	27
106-46-7	1,4-Dichlorobenzene	ND		100	14
78-93-3	2-Butanone (MEK)	ND		500	300
591-78-6	2-Hexanone	ND		500	210
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	32
67-64-1	Acetone	ND		500	410
71-43-2	Benzene	ND		100	19
75-25-2	Bromoform	ND		100	50
74-83-9	Bromomethane	ND		100	22
75-15-0	Carbon disulfide	ND		100	46
56-23-5	Carbon tetrachloride	ND		100	26
108-90-7	Chlorobenzene	ND		100	13
75-00-3	Chloroethane	ND		100	21
67-66-3	Chloroform	ND		100	69
74-87-3	Chloromethane	ND		100	24
156-59-2	cis-1,2-Dichloroethene	ND		100	28
75-27-4	Bromodichloromethane	ND		100	20
110-82-7	Cyclohexane	ND		100	22
124-48-1	Dibromochloromethane	ND		100	48
106-93-4	1,2-Dibromoethane	ND		100	18
75-71-8	Dichlorodifluoromethane	ND		100	44

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-751902/1-A

Matrix: Solid | Lab File ID: S9599.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 07/16/2025 14:03

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Medium

Analysis Batch No.: 751892 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		100	29
98-82-8	Isopropylbenzene	ND		100	15
79-20-9	Methyl acetate	ND		500	48
1634-04-4	Methyl tert-butyl ether	ND		100	38
108-87-2	Methylcyclohexane	ND		100	47
75-09-2	Methylene Chloride	ND		100	20
127-18-4	Tetrachloroethene	ND		100	13
108-88-3	Toluene	ND		100	27
156-60-5	trans-1,2-Dichloroethene	ND		100	24
10061-02-6	trans-1,3-Dichloropropene	ND		100	9.8
79-01-6	Trichloroethene	ND		100	28
10061-01-5	cis-1,3-Dichloropropene	ND		100	24
75-69-4	Trichlorofluoromethane	ND		100	47
100-42-5	Styrene	ND		100	24
75-01-4	Vinyl chloride	ND		100	34
1330-20-7	Xylenes, Total	ND		200	55

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		53-146
460-00-4	4-Bromofluorobenzene (Surr)	89		49-148
2037-26-5	Toluene-d8 (Surr)	100		50-149
1868-53-7	Dibromofluoromethane (Surr)	89		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-751902/2-A

Matrix: Solid | Lab File ID: S9596.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 07/16/2025 12:38

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Medium

Analysis Batch No.: 751892 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2470		100	28
79-34-5	1,1,2,2-Tetrachloroethane	2650		100	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2700		100	50
79-00-5	1,1,2-Trichloroethane	2560		100	21
75-34-3	1,1-Dichloroethane	2780		100	31
75-35-4	1,1-Dichloroethene	2320		100	35
120-82-1	1,2,4-Trichlorobenzene	2600		100	38
96-12-8	1,2-Dibromo-3-Chloropropane	2060		100	50
95-50-1	1,2-Dichlorobenzene	2680		100	26
107-06-2	1,2-Dichloroethane	2820		100	41
78-87-5	1,2-Dichloropropane	2690		100	16
541-73-1	1,3-Dichlorobenzene	2610		100	27
106-46-7	1,4-Dichlorobenzene	2600		100	14
78-93-3	2-Butanone (MEK)	14600		500	300
591-78-6	2-Hexanone	15300		500	210
108-10-1	4-Methyl-2-pentanone (MIBK)	14800		500	32
67-64-1	Acetone	15700		500	410
71-43-2	Benzene	2680		100	19
75-25-2	Bromoform	1640		100	50
74-83-9	Bromomethane	2110		100	22
75-15-0	Carbon disulfide	2300		100	46
56-23-5	Carbon tetrachloride	2220		100	26
108-90-7	Chlorobenzene	2590		100	13
75-00-3	Chloroethane	2370		100	21
67-66-3	Chloroform	2600		100	69
74-87-3	Chloromethane	2480		100	24
156-59-2	cis-1,2-Dichloroethene	2540		100	28
75-27-4	Bromodichloromethane	2240		100	20
110-82-7	Cyclohexane	2720		100	22
124-48-1	Dibromochloromethane	1910		100	48
106-93-4	1,2-Dibromoethane	2540		100	18
75-71-8	Dichlorodifluoromethane	1830		100	44

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-751902/2-A

Matrix: Solid | Lab File ID: S9596.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 07/16/2025 12:38

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Medium

Analysis Batch No.: 751892 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	2690		100	29
98-82-8	Isopropylbenzene	2710		100	15
79-20-9	Methyl acetate	5510		500	48
1634-04-4	Methyl tert-butyl ether	2540		100	38
108-87-2	Methylcyclohexane	2460		100	47
75-09-2	Methylene Chloride	2410		100	20
127-18-4	Tetrachloroethene	2520		100	13
108-88-3	Toluene	2680		100	27
156-60-5	trans-1,2-Dichloroethene	2470		100	24
10061-02-6	trans-1,3-Dichloropropene	2390		100	9.8
79-01-6	Trichloroethene	2480		100	28
10061-01-5	cis-1,3-Dichloropropene	2410		100	24
75-69-4	Trichlorofluoromethane	2760		100	47
100-42-5	Styrene	2440		100	24
75-01-4	Vinyl chloride	2740		100	34
1330-20-7	Xylenes, Total	5000		200	55

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		53-146
460-00-4	4-Bromofluorobenzene (Surr)	92		49-148
2037-26-5	Toluene-d8 (Surr)	102		50-149
1868-53-7	Dibromofluoromethane (Surr)	94		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

not validating MS/MSD in this review

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-7'-8' MS | Lab Sample ID: 480-231006-4 MS

Matrix: Solid | Lab File ID: S9645.d

Analysis Method: 8260C | Date Collected: 07/09/2025 12:45

Sample wt/vol: 6.8(g) | Date Analyzed: 07/17/2025 08:08

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 10.4 % Solids: 89.6 | Level: (low/med) Medium

Analysis Batch No.: 751930 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1550		47	13
79-34-5	1,1,2,2-Tetrachloroethane	1740		47	7.6
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1460		47	23
79-00-5	1,1,2-Trichloroethane	1670		47	9.8
75-34-3	1,1-Dichloroethane	1730		47	14
75-35-4	1,1-Dichloroethene	1320		47	16
120-82-1	1,2,4-Trichlorobenzene	1740		47	18
96-12-8	1,2-Dibromo-3-Chloropropane	1390		47	23
95-50-1	1,2-Dichlorobenzene	1770		47	12
107-06-2	1,2-Dichloroethane	1810		47	19
78-87-5	1,2-Dichloropropane	1700		47	7.6
541-73-1	1,3-Dichlorobenzene	1780		47	12
106-46-7	1,4-Dichlorobenzene	1740		47	6.5
78-93-3	2-Butanone (MEK)	8730		230	140
591-78-6	2-Hexanone	10400		230	96
108-10-1	4-Methyl-2-pentanone (MIBK)	10100		230	15
67-64-1	Acetone	9230		230	190
71-43-2	Benzene	1690		47	8.9
75-25-2	Bromoform	958		47	23
74-83-9	Bromomethane	1070		47	10
75-15-0	Carbon disulfide	1180		47	21
56-23-5	Carbon tetrachloride	1360		47	12
108-90-7	Chlorobenzene	1680		47	6.2
124-48-1	Dibromochloromethane	1170		47	23
75-00-3	Chloroethane	1290		47	9.7
67-66-3	Chloroform	1630		47	32
74-87-3	Chloromethane	1220		47	11
156-59-2	cis-1,2-Dichloroethene	1520		47	13
110-82-7	Cyclohexane	1650		47	10
75-27-4	Bromodichloromethane	1310		47	9.4
75-71-8	Dichlorodifluoromethane	563		47	20
100-41-4	Ethylbenzene	1810		47	14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-7'-8' MS | Lab Sample ID: 480-231006-4 MS

Matrix: Solid | Lab File ID: S9645.d

Analysis Method: 8260C | Date Collected: 07/09/2025 12:45

Sample wt/vol: 6.8(g) | Date Analyzed: 07/17/2025 08:08

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 10.4 % Solids: 89.6 | Level: (low/med) Medium

Analysis Batch No.: 751930 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	1680		47	8.2
98-82-8	Isopropylbenzene	1890		47	7.0
79-20-9	Methyl acetate	4080		230	22
1634-04-4	Methyl tert-butyl ether	1550		47	18
108-87-2	Methylcyclohexane	1550		47	22
75-09-2	Methylene Chloride	1480		47	9.3
127-18-4	Tetrachloroethene	1710		47	6.3
108-88-3	Toluene	1760		47	13
156-60-5	trans-1,2-Dichloroethene	1510		47	11
10061-02-6	trans-1,3-Dichloropropene	1520		47	4.6
79-01-6	Trichloroethene	1610		47	13
75-69-4	Trichlorofluoromethane	1470		47	22
75-01-4	Vinyl chloride	1370		47	16
1330-20-7	Xylenes, Total	3300		94	26
10061-01-5	cis-1,3-Dichloropropene	1450		47	11
100-42-5	Styrene	1620		47	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		53-146
460-00-4	4-Bromofluorobenzene (Surr)	87		49-148
2037-26-5	Toluene-d8 (Surr)	101		50-149
1868-53-7	Dibromofluoromethane (Surr)	88		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-7'-8' MSD | Lab Sample ID: 480-231006-4 MSD

Matrix: Solid | Lab File ID: S9646.d

Analysis Method: 8260C | Date Collected: 07/09/2025 12:45

Sample wt/vol: 6.021(g) | Date Analyzed: 07/17/2025 08:31

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 10.2 % Solids: 89.8 | Level: (low/med) Medium

Analysis Batch No.: 751930 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1740		52	14
79-34-5	1,1,2,2-Tetrachloroethane	1860		52	8.4
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1670		52	26
79-00-5	1,1,2-Trichloroethane	1890		52	11
75-34-3	1,1-Dichloroethane	1900		52	16
75-35-4	1,1-Dichloroethene	1460		52	18
120-82-1	1,2,4-Trichlorobenzene	1950		52	20
96-12-8	1,2-Dibromo-3-Chloropropane	1580		52	26
95-50-1	1,2-Dichlorobenzene	1920		52	13
107-06-2	1,2-Dichloroethane	1960		52	21
78-87-5	1,2-Dichloropropane	1890		52	8.4
541-73-1	1,3-Dichlorobenzene	1900		52	14
106-46-7	1,4-Dichlorobenzene	1890		52	7.3
78-93-3	2-Butanone (MEK)	9620		260	150
591-78-6	2-Hexanone	11400		260	110
108-10-1	4-Methyl-2-pentanone (MIBK)	11100		260	17
67-64-1	Acetone	9920		260	210
71-43-2	Benzene	1860		52	9.9
75-25-2	Bromoform	1120		52	26
74-83-9	Bromomethane	1110		52	11
75-15-0	Carbon disulfide	1300		52	24
56-23-5	Carbon tetrachloride	1610		52	13
108-90-7	Chlorobenzene	1830		52	6.8
124-48-1	Dibromochloromethane	1360		52	25
75-00-3	Chloroethane	1310		52	11
67-66-3	Chloroform	1810		52	36
74-87-3	Chloromethane	1200		52	12
156-59-2	cis-1,2-Dichloroethene	1730		52	14
110-82-7	Cyclohexane	1790		52	12
75-27-4	Bromodichloromethane	1510		52	10
75-71-8	Dichlorodifluoromethane	551		52	23
100-41-4	Ethylbenzene	1980		52	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-7'-8' MSD | Lab Sample ID: 480-231006-4 MSD

Matrix: Solid | Lab File ID: S9646.d

Analysis Method: 8260C | Date Collected: 07/09/2025 12:45

Sample wt/vol: 6.021(g) | Date Analyzed: 07/17/2025 08:31

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 10.2 % Solids: 89.8 | Level: (low/med) Medium

Analysis Batch No.: 751930 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	1810		52	9.1
98-82-8	Isopropylbenzene	2020		52	7.8
79-20-9	Methyl acetate	4290		260	25
1634-04-4	Methyl tert-butyl ether	1720		52	20
108-87-2	Methylcyclohexane	1750		52	24
75-09-2	Methylene Chloride	1660		52	10
127-18-4	Tetrachloroethene	1940		52	7.0
108-88-3	Toluene	1990		52	14
156-60-5	trans-1,2-Dichloroethene	1680		52	12
10061-02-6	trans-1,3-Dichloropropene	1710		52	5.1
79-01-6	Trichloroethene	1790		52	14
75-69-4	Trichlorofluoromethane	1580		52	24
75-01-4	Vinyl chloride	1410		52	17
1330-20-7	Xylenes, Total	3630		100	29
10061-01-5	cis-1,3-Dichloropropene	1640		52	12
100-42-5	Styrene	1780		52	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		53-146
460-00-4	4-Bromofluorobenzene (Surr)	89		49-148
2037-26-5	Toluene-d8 (Surr)	105		50-149
1868-53-7	Dibromofluoromethane (Surr)	92		60-140

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: HP5973S Start Date: 05/16/2025 15:37

Analysis Batch Number: 746322 End Date: 05/17/2025 00:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-746322/11		05/16/2025 15:37	1	S8276.d	ZB-624 (20) 0.18(mm)
IC 480-746322/13		05/16/2025 16:27	1	S8278.d	ZB-624 (20) 0.18(mm)
IC 480-746322/14		05/16/2025 16:50	1	S8279.d	ZB-624 (20) 0.18(mm)
IC 480-746322/15		05/16/2025 17:14	1	S8280.d	ZB-624 (20) 0.18(mm)
IC 480-746322/16		05/16/2025 17:37	1	S8281.d	ZB-624 (20) 0.18(mm)
IC 480-746322/17		05/16/2025 18:01	1	S8282.d	ZB-624 (20) 0.18(mm)
ICIS 480-746322/18		05/16/2025 18:24	1	S8283.d	ZB-624 (20) 0.18(mm)
IC 480-746322/19		05/16/2025 18:47	1	S8284.d	ZB-624 (20) 0.18(mm)
IC 480-746322/20		05/16/2025 19:10	1	S8285.d	ZB-624 (20) 0.18(mm)
ZZZZZ (QC)		05/16/2025 19:56	1		ZB-624 (20) 0.18(mm)
IC 480-746322/25		05/16/2025 21:05	1		ZB-624 (20) 0.18(mm)
IC 480-746322/26		05/16/2025 21:28	1		ZB-624 (20) 0.18(mm)
IC 480-746322/27		05/16/2025 21:52	1		ZB-624 (20) 0.18(mm)
IC 480-746322/28		05/16/2025 22:15	1		ZB-624 (20) 0.18(mm)
IC 480-746322/29		05/16/2025 22:38	1		ZB-624 (20) 0.18(mm)
IC 480-746322/30		05/16/2025 23:01	1		ZB-624 (20) 0.18(mm)
IC 480-746322/31		05/16/2025 23:24	1		ZB-624 (20) 0.18(mm)
ZZZZZ (QC)		05/17/2025 00:10	1		ZB-624 (20) 0.18(mm)
ICV 480-746322/34		05/17/2025 00:33	1	S8299.d	ZB-624 (20) 0.18(mm)
ICV 480-746322/35		05/17/2025 00:57	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: HP5973S Start Date: 07/16/2025 11:02

Analysis Batch Number: 751892 End Date: 07/16/2025 22:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-751892/3		07/16/2025 11:02	1	S9592.d	ZB-624 (20) 0.18(mm)
CCVIS 480-751892/4		07/16/2025 11:28	1	S9593.d	ZB-624 (20) 0.18(mm)
CCV 480-751892/5		07/16/2025 11:51	1		ZB-624 (20) 0.18(mm)
ZZZZZ (QC)		07/16/2025 12:14	1		ZB-624 (20) 0.18(mm)
LCS 480-751902/2-A		07/16/2025 12:38	1	S9596.d	ZB-624 (20) 0.18(mm)
RL 480-751892/8		07/16/2025 13:17	1		ZB-624 (20) 0.18(mm)
ZZZZZ (QC)		07/16/2025 13:40	1		ZB-624 (20) 0.18(mm)
MB 480-751902/1-A		07/16/2025 14:03	1	S9599.d	ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/16/2025 14:42	2		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/16/2025 15:05	1		ZB-624 (20) 0.18(mm)
ZZZZZ (QC)		07/16/2025 15:52	10		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/16/2025 16:15	10		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/16/2025 16:38	10		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/16/2025 17:01	10		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/16/2025 17:24	10		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/16/2025 17:47	10		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/16/2025 18:10	10000		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/16/2025 18:34	10		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/16/2025 18:57	1		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/16/2025 19:21	1		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/16/2025 19:44	1		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/16/2025 20:07	5		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/16/2025 20:31	1		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/16/2025 20:54	5		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/16/2025 21:17	20000		ZB-624 (20) 0.18(mm)
ZZZZZ (QC)		07/16/2025 21:40	20000		ZB-624 (20) 0.18(mm)
ZZZZZ (QC)		07/16/2025 22:03	20000		ZB-624 (20) 0.18(mm)

analyzed w/i HT (14d) ✓

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: HP5973S Start Date: 07/16/2025 23:13

Analysis Batch Number: 751930 End Date: 07/17/2025 09:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-751930/3		07/16/2025 23:13	1	S9622.d	ZB-624 (20) 0.18(mm)
CCVIS 480-751930/4		07/16/2025 23:36	1	S9623.d	ZB-624 (20) 0.18(mm)
CCV 480-751930/5		07/17/2025 00:00	1		ZB-624 (20) 0.18(mm)
ZZZZZ (QC)		07/17/2025 00:23	1		ZB-624 (20) 0.18(mm)
RL 480-751930/7		07/17/2025 00:47	1		ZB-624 (20) 0.18(mm)
ZZZZZ (QC)		07/17/2025 01:10	1		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/17/2025 01:33	1		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/17/2025 01:56	1		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/17/2025 02:20	1		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/17/2025 02:43	1		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/17/2025 03:07	1		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/17/2025 03:30	1		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/17/2025 03:53	1		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/17/2025 04:16	1		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/17/2025 04:39	5000		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/17/2025 05:02	1		ZB-624 (20) 0.18(mm)
ZZZZZ (Client)		07/17/2025 05:26	1		ZB-624 (20) 0.18(mm)
480-231006-1	SB1-12"-18"	07/17/2025 05:49	1	S9639.d	ZB-624 (20) 0.18(mm)
480-231006-4	SB1-7'-8'	07/17/2025 06:12	1	S9640.d	ZB-624 (20) 0.18(mm)
480-231006-5	SB1-5'-8'	07/17/2025 06:35	1	S9641.d	ZB-624 (20) 0.18(mm)
480-231006-9	SB2-4'	07/17/2025 06:59	1	S9642.d	ZB-624 (20) 0.18(mm)
480-231006-10	SB2-4' DUP	07/17/2025 07:22	1	S9643.d	ZB-624 (20) 0.18(mm)
480-231006-14	SB2-9'-10'	07/17/2025 07:45	1	S9644.d	ZB-624 (20) 0.18(mm)
480-231006-4 MS	SB1-7'-8' MS	07/17/2025 08:08	1	S9645.d	ZB-624 (20) 0.18(mm)
480-231006-4 MSD	SB1-7'-8' MSD	07/17/2025 08:31	1	S9646.d	ZB-624 (20) 0.18(mm)
ZZZZZ (QC)		07/17/2025 08:54	1		ZB-624 (20) 0.18(mm)
ZZZZZ (QC)		07/17/2025 09:17	1		ZB-624 (20) 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 746322 Batch Start Date: 05/16/25 15:37 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	8260 CORP mix 00267	BFB_WRK 00173	GAS CORP mix 00677	S_8260_IS 00418
BFB 480-746322/11		8260C			1 uL	1 uL		1 uL		
IC 480-746322/13		8260C			5 mL	5 mL	0.5 uL		0.5 uL	1 uL
IC 480-746322/14		8260C			5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-746322/15		8260C			5 mL	5 mL	2 uL		2 uL	1 uL
IC 480-746322/16		8260C			5 mL	5 mL	5 uL		5 uL	1 uL
IC 480-746322/17		8260C			5 mL	5 mL	5 uL		5 uL	1 uL
ICIS 480-746322/18		8260C			5 mL	5 mL	12.5 uL		12.5 uL	1 uL
IC 480-746322/19		8260C			5 mL	5 mL	25 uL		25 uL	1 uL
IC 480-746322/20		8260C			5 mL	5 mL	50 uL		50 uL	1 uL
ICV 480-746322/34		8260C			5 mL	5 mL				1 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	S_8260_Surr 00507	SS 8260 CORP 00120	SS GAS CORP 00630			
BFB 480-746322/11		8260C								
IC 480-746322/13		8260C			1 uL					
IC 480-746322/14		8260C			1 uL					
IC 480-746322/15		8260C			1 uL					
IC 480-746322/16		8260C			1 uL					
IC 480-746322/17		8260C			1 uL					
ICIS 480-746322/18		8260C			1 uL					
IC 480-746322/19		8260C			1 uL					
IC 480-746322/20		8260C			1 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 746322 Batch Start Date: 05/16/25 15:37 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	S_8260_Surr 00507	SS 8260 CORP 00120	SS GAS CORP 00630			
ICV 480-746322/34		8260C			1 uL	12.5 uL	12.5 uL			

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 751902 Batch Start Date: 07/16/25 10:48 Batch Analyst: Gruning, Anton T

Batch Method: 5035A_H Batch End Date: 07/16/25 13:48

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00268	GAS CORP mix 00686
MB 480-751902/1		5035A_H, 8260C			19.33 g	24.33 g	5 g	10 mL		
LCS 480-751902/2		5035A_H, 8260C			19.16 g	24.16 g	5 g	10 mL	125 uL	125 uL
480-231006-C-1	SB1-12"-18"	5035A_H, 8260C	Solid	T	29.799 g	36.83 g	7.031 g	5 mL		
480-231006-C-4	SB1-7'-8'	5035A_H, 8260C	Solid	T	28.271 g	34.12 g	5.849 g	5 mL		
480-231006-B-9	SB2-4'	5035A_H, 8260C	Solid	T	27.946 g	34.15 g	6.204 g	5 mL		
480-231006-B-10	SB2-4' DUP	5035A_H, 8260C	Solid	T	29.654 g	34.66 g	5.006 g	5 mL		
480-231006-E-14	SB2-9'-10'	5035A_H, 8260C	Solid	T	29.706 g	36.35 g	6.644 g	5 mL		
480-231006-C-4 MS	SB1-7'-8'	5035A_H, 8260C	Solid	T	30.02 g	36.82 g	6.8 g	5 mL	62.5 uL	62.5 uL
480-231006-C-4 MSD	SB1-7'-8'	5035A_H, 8260C	Solid	T	30.089 g	36.11 g	6.021 g	5 mL	62.5 uL	62.5 uL
480-231006-B-5	SB1-5'-8'	5035A_H, 8260C	Solid	T	19.28 g	24.81 g	5.53 g	10 mL		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	AnalysisComment					
MB 480-751902/1		5035A_H, 8260C								
LCS 480-751902/2		5035A_H, 8260C								
480-231006-C-1	SB1-12"-18"	5035A_H, 8260C	Solid	T	no LL plugs, ML only					
480-231006-C-4	SB1-7'-8'	5035A_H, 8260C	Solid	T	no LL plugs, ML only					
480-231006-B-9	SB2-4'	5035A_H, 8260C	Solid	T	no LL plugs, ML only					
480-231006-B-10	SB2-4' DUP	5035A_H, 8260C	Solid	T	no LL plugs, ML only					
480-231006-E-14	SB2-9'-10'	5035A_H, 8260C	Solid	T	no LL plugs, ML only					
480-231006-C-4 MS	SB1-7'-8'	5035A_H, 8260C	Solid	T	no LL plugs, ML only, client qc					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 751902 Batch Start Date: 07/16/25 10:48 Batch Analyst: Gruning, Anton T

Batch Method: 5035A_H Batch End Date: 07/16/25 13:48

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	AnalysisComment					
480-231006-C-4 MSD	SB1-7'-8'	5035A_H, 8260C	Solid	T	no LL plugs, ML only, client qc					
480-231006-B-5	SB1-5'-8'	5035A_H, 8260C	Solid	T	no LL/TC plug, prepped bulk, ML only					

Batch Notes	
Balance ID	Balance 10
Batch Comment	SAND_00037

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8270D

Semivolatile Organic Compounds (GC/MS) by Method 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RXI-5Sil MS ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHd14 #
SB1-12'-48"	480-231006-3	83	79	57	83	82	87
SB1-5'-8'	480-231006-5	70	71	63	74	85	87
SB2-12"-5'	480-231006-12	66	67	70	74	34	80
SB2-9'-10'	480-231006-14	83	84	78	80	84	91
	MB 480-751553/1-A	74	77	76	102	89	92
	LCS 480-751553/2-A	71	71	77	99	119	98

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	18-120
PHL = Phenol-d5 (Surr)	23-120
NBZ = Nitrobenzene-d5 (Surr)	22-120
FBP = 2-Fluorobiphenyl (Surr)	29-120
TBP = 2,4,6-Tribromophenol (Surr)	10-140
TPHd14 = p-Terphenyl-d14 (Surr)	28-124

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X000000364442.d

Lab ID: LCS 480-751553/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Biphenyl	2670	2450	• 92	47-120	
bis (2-chloroisopropyl) ether	2670	1570	59	31-120	
2,4,5-Trichlorophenol	2670	2460	92	52-120	
2,4,6-Trichlorophenol	2670	2410	91	51-120	
2,4-Dichlorophenol	2670	2190	82	44-120	
2,4-Dimethylphenol	2670	2020	76	48-120	
2,4-Dinitrophenol	5330	2020	38	28-120	
2,4-Dinitrotoluene	2670	2120	80	55-125	
2,6-Dinitrotoluene	2670	2540	95	51-125	
2-Chloronaphthalene	2670	2420	91	46-120	
2-Chlorophenol	2670	1900	71	40-120	
2-Methylnaphthalene	2670	2170	81	45-120	
2-Methylphenol	2670	1710	64	41-120	
2-Nitroaniline	2670	1930	72	51-125	
2-Nitrophenol	2670	2120	79	43-120	
3,3'-Dichlorobenzidine	2670	2270	85	10-120	
3-Nitroaniline	2670	1880	70	33-120	
4,6-Dinitro-2-methylphenol	5330	3730	70	49-126	
4-Bromophenyl phenyl ether	2670	2990	• 112	55-123	
4-Chloro-3-methylphenol	2670	1930	72	54-120	
4-Chloroaniline	2670	1860	70	20-120	
4-Chlorophenyl phenyl ether	2670	2260	85	54-120	
4-Methylphenol	2670	1770	66	43-120	
4-Nitroaniline	2670	1890	71	54-120	
4-Nitrophenol	5330	3300	62	47-120	
Acenaphthene	2670	2310	87	49-121	
Acenaphthylene	2670	2210	83	49-120	
Acetophenone	2670	1780	67	39-120	
Anthracene	2670	2500	94	57-120	
Atrazine	2670	1800	67	44-120	
Benzaldehyde	2670	1520	57	10-120	
Benzo[a]anthracene	2670	2490	93	58-120	
Benzo[a]pyrene	2670	2370	89	59-122	
Benzo[b]fluoranthene	2670	2470	93	56-120	
Benzo[g,h,i]perylene	2670	2670	• 100	56-132	
Benzo[k]fluoranthene	2670	2090	78	59-127	
Bis(2-chloroethoxy)methane	2670	2090	78	42-120	
Bis(2-chloroethyl)ether	2670	1840	69	34-120	
Bis(2-ethylhexyl) phthalate	2670	2230	84	49-130	
Butyl benzyl phthalate	2670	2240	84	50-122	
Caprolactam	2670	1310	49	10-120	
Carbazole	2670	2520	95	58-124	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X000000364442.d

Lab ID: LCS 480-751553/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Chrysene	2670	2530	95	57-120	
Dibenz(a,h)anthracene	2670	2790	105	53-124	
Dibenzofuran	2670	2220	83	53-120	
Diethyl phthalate	2670	2160	81	54-120	
Dimethyl phthalate	2670	2380	89	53-120	
Di-n-butyl phthalate	2670	2600	98	49-120	
Di-n-octyl phthalate	2670	2270	85	42-125	
Fluoranthene	2670	2500	94	57-121	
Fluorene	2670	2130	80	55-121	
Hexachlorobenzene	2670	2810	105	56-120	
Hexachlorobutadiene	2670	2320	87	40-120	
Hexachlorocyclopentadiene	2670	1640	62	30-125	
Hexachloroethane	2670	1820	68	34-120	
Indeno[1,2,3-cd]pyrene	2670	2740	103	53-125	
Isophorone	2670	1910	72	46-120	
Naphthalene	2670	2110	79	43-120	
Nitrobenzene	2670	1900	71	40-120	
N-Nitrosodi-n-propylamine	2670	1750	66	41-120	
N-Nitrosodiphenylamine	2670	2830	106	57-126	
Pentachlorophenol	5330	4510	85	10-124	
Phenanthrene	2670	2600	97	57-120	
Phenol	2670	1790	67	37-120	
Pyrene	2670	2390	90	59-125	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab File ID: X000000364441.d Lab Sample ID: MB 480-751553/1-A

Matrix: Solid Date Extracted: 07/12/2025 07:49

Instrument ID: HP5973X Date Analyzed: 07/16/2025 00:48

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-751553/2-A	X000000364442.d	07/16/2025 01:13
SB1-12'-48"	480-231006-3	X000000364547.d	07/18/2025 15:51
SB1-5'-8'	480-231006-5	X000000364548.d	07/18/2025 16:16
SB2-12"-5'	480-231006-12	X000000364549.d	07/18/2025 16:40
SB2-9'-10'	480-231006-14	X000000364550.d	07/18/2025 17:06

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab File ID: X000000364179.d DFTPP Injection Date: 07/03/2025

Instrument ID: HP5973X DFTPP Injection Time: 14:03

Analysis Batch No.: 750893

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10-80% of Base Peak	44.2
68	Less than 2% of mass 69	0.0 (0.0) 1
69	Mass 69 Relative abundance	51.6
70	Less than 2% of mass 69	0.4 (0.7) 1
127	10-80% of Base Peak	45.4
197	Less than 2% of mass 198	0.0
198	Base peak	100.0
199	5-9% of mass 198	8.7
275	10-60% of Base Peak	27.1
365	Greater than 1% of mass 198	5.8
441	present but less than 24% of mass 442	11.5 (15.1) 2
442	Greater than 50% of mass 198	75.8
443	15-24% of mass 442	14.4 (18.9) 2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-750893/3	X000000364180	07/03/2025	14:28
	IC 480-750893/4	X000000364181	07/03/2025	14:52
	IC 480-750893/5	X000000364182	07/03/2025	15:16
	IC 480-750893/6	X000000364183	07/03/2025	15:41
	IC 480-750893/7	X000000364184	07/03/2025	16:05
	ICIS 480-750893/8	X000000364185	07/03/2025	16:30
	IC 480-750893/9	X000000364186	07/03/2025	16:54
	IC 480-750893/10	X000000364187	07/03/2025	17:19
	ICV 480-750893/11	X000000364188	07/03/2025	17:43

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab File ID: X000000364420.d DFTPP Injection Date: 07/15/2025

Instrument ID: HP5973X DFTPP Injection Time: 16:11

Analysis Batch No.: 751756

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10-80% of Base Peak	31.6
68	Less than 2% of mass 69	0.0 (0.0) 1
69	Mass 69 Relative abundance	41.4
70	Less than 2% of mass 69	0.1 (0.4) 1
127	10-80% of Base Peak	39.1
197	Less than 2% of mass 198	0.6
198	Base peak	100.0
199	5-9% of mass 198	6.2
275	10-60% of Base Peak	33.8
365	Greater than 1% of mass 198	5.5
441	present but less than 24% of mass 442	12.9 (11.5) 2
442	Greater than 50% of mass 198	112.4
443	15-24% of mass 442	19.3 (17.2) 2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-751756/3	X000000364421	07/15/2025	16:35
	MB 480-751553/1-A	X000000364441	07/16/2025	0:48
	LCS 480-751553/2-A	X000000364442	07/16/2025	1:13

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab File ID: X000000364535.d DFTPP Injection Date: 07/18/2025

Instrument ID: HP5973X DFTPP Injection Time: 10:56

Analysis Batch No.: 752098

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	46.9	
68	Less than 2% of mass 69	0.8	(1.6) 1
69	Mass 69 Relative abundance	53.7	
70	Less than 2% of mass 69	0.3	(0.5) 1
127	10-80% of Base Peak	50.8	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	7.2	
275	10-60% of Base Peak	26.5	
365	Greater than 1% of mass 198	6.9	
441	present but less than 24% of mass 442	6.8	(8.5) 2
442	Greater than 50% of mass 198	80.0	
443	15-24% of mass 442	14.8	(18.4) 2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-752098/3	X000000364536	07/18/2025	11:21
SB1-12'-48"	480-231006-3	X000000364547	07/18/2025	15:51
SB1-5'-8'	480-231006-5	X000000364548	07/18/2025	16:16
SB2-12"-5'	480-231006-12	X000000364549	07/18/2025	16:40
SB2-9'-10'	480-231006-14	X000000364550	07/18/2025	17:06

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Sample No.: ICIS 480-750893/8 Date Analyzed: 07/03/2025 16:30

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X000000364185.d Heated Purge: (Y/N) N

Calibration ID: 48503

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		168964	5.60	599622	7.14	371592	9.19
UPPER LIMIT		337928	6.10	1199244	7.64	743184	9.69
LOWER LIMIT		84482	5.10	299811	6.64	185796	8.69
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-750893/11		193057	5.60	666095	7.14	390357	9.19
CCVIS 480-751756/3		123629	5.59	419344	7.14	271740	9.19
CCVIS 480-752098/3		198069	5.54	760707	7.09	451539	9.15

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Sample No.: ICIS 480-750893/8 Date Analyzed: 07/03/2025 16:30

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X000000364185.d Heated Purge: (Y/N) N

Calibration ID: 48503

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		721445	10.82	729379	13.20	839474	14.36
UPPER LIMIT		1442890	11.32	1458758	13.70	1678948	14.86
LOWER LIMIT		360723	10.32	364690	12.70	419737	13.86
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-750893/11		760425	10.82	777160	13.20	921232	14.36
CCVIS 480-751756/3		547521	10.82	610607	13.22	734284	14.37
CCVIS 480-752098/3		846109	10.78	793098	13.18	934853	14.33

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Sample No.: CCVIS 480-751756/3 Date Analyzed: 07/15/2025 16:35

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X000000364421.d Heated Purge: (Y/N) N

Calibration ID: 48503

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		123629	5.59	419344	7.14	271740	9.19
UPPER LIMIT		247258	6.09	838688	7.64	543480	9.69
LOWER LIMIT		61815	5.09	209672	6.64	135870	8.69
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-751553/1-A		175564	5.60	573572	7.14	291516	9.19
LCS 480-751553/2-A		164481	5.60	517186	7.14	270940	9.20

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Sample No.: CCVIS 480-751756/3 Date Analyzed: 07/15/2025 16:35

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X000000364421.d Heated Purge: (Y/N) N

Calibration ID: 48503

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		547521	10.82	610607	13.22	734284	14.37
UPPER LIMIT		1095042	11.32	1221214	13.72	1468568	14.87
LOWER LIMIT		273761	10.32	305304	12.72	367142	13.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-751553/1-A		417331	10.82	450330	13.22	683478	14.38
LCS 480-751553/2-A		418454	10.82	418024	13.22	663768	14.38

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Sample No.: CCVIS 480-752098/3 Date Analyzed: 07/18/2025 11:21

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X000000364536.d Heated Purge: (Y/N) N

Calibration ID: 48503

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		198069	5.54	760707	7.09	451539	9.15
UPPER LIMIT		396138	6.04	1521414	7.59	903078	9.65
LOWER LIMIT		99035	5.04	380354	6.59	225770	8.65
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-231006-3	SB1-12'-48"	214099	5.55	838699	7.09	513907	9.14
480-231006-5	SB1-5'-8'	223516	5.54	800649	7.09	514186	9.14
480-231006-12	SB2-12"-5'	221573	5.55	818247	7.09	501287	9.15
480-231006-14	SB2-9'-10'	199163	5.55	743685	7.09	447700	9.15

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Sample No.: CCVIS 480-752098/3 Date Analyzed: 07/18/2025 11:21

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X000000364536.d Heated Purge: (Y/N) N

Calibration ID: 48503

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		846109	10.78	793098	13.18	934853	14.33
UPPER LIMIT		1692218	11.28	1586196	13.68	1869706	14.83
LOWER LIMIT		423055	10.28	396549	12.68	467427	13.83
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-231006-3	SB1-12'-48"	949965	10.78	1007737	13.17	1231254	14.33
480-231006-5	SB1-5'-8'	909699	10.78	942934	13.18	1195726	14.33
480-231006-12	SB2-12"-5'	950306	10.78	983084	13.18	1177442	14.33
480-231006-14	SB2-9'-10'	822388	10.78	840106	13.18	1037301	14.33

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48" | Lab Sample ID: 480-231006-3

Matrix: Solid | Lab File ID: X000000364547.d

Analysis Method: 8270D | Date Collected: 07/09/2025 12:00

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15.53(g) | Date Analyzed: 07/18/2025 15:51

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 6.0 % Solids: 94.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 752098 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		1700	330
108-60-1	bis (2-chloroisopropyl) ether	ND		1700	360
95-95-4	2,4,5-Trichlorophenol	ND		1700	350
88-06-2	2,4,6-Trichlorophenol	ND		1700	260
120-83-2	2,4-Dichlorophenol	ND		1700	340
105-67-9	2,4-Dimethylphenol	ND		1700	370
51-28-5	2,4-Dinitrophenol	ND		17000	330
121-14-2	2,4-Dinitrotoluene	ND		1700	240
606-20-2	2,6-Dinitrotoluene	ND		1700	250
91-58-7	2-Chloronaphthalene	ND		1700	320
95-57-8	2-Chlorophenol	ND		1700	270
91-57-6	2-Methylnaphthalene	810	J	1700	270
95-48-7	2-Methylphenol	ND		1700	280
88-74-4	2-Nitroaniline	ND		3400	290
88-75-5	2-Nitrophenol	ND		1700	200
91-94-1	3,3'-Dichlorobenzidine	ND		3400	510
99-09-2	3-Nitroaniline	ND		3400	250
534-52-1	4,6-Dinitro-2-methylphenol	ND		3400	380
101-55-3	4-Bromophenyl phenyl ether	ND		1700	290
59-50-7	4-Chloro-3-methylphenol	ND		1700	360
106-47-8	4-Chloroaniline	ND		1700	250
7005-72-3	4-Chlorophenyl phenyl ether	ND		1700	360
106-44-5	4-Methylphenol	ND		3400	310
100-01-6	4-Nitroaniline	ND		3400	250
100-02-7	4-Nitrophenol	ND		3400	470
83-32-9	Acenaphthene	ND		1700	320
208-96-8	Acenaphthylene	730	J	1700	330
98-86-2	Acetophenone	ND		1700	310
120-12-7	Anthracene	1300	J	1700	320
1912-24-9	Atrazine	ND		1700	590
100-52-7	Benzaldehyde	ND		1700	1300

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48" | Lab Sample ID: 480-231006-3

Matrix: Solid | Lab File ID: X000000364547.d

Analysis Method: 8270D | Date Collected: 07/09/2025 12:00

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15.53(g) | Date Analyzed: 07/18/2025 15:51

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 6.0 % Solids: 94.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 752098 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-55-3	Benzo[a]anthracene	3200		1700	240
50-32-8	Benzo[a]pyrene	2800		1700	300
205-99-2	Benzo[b]fluoranthene	2500		1700	230
191-24-2	Benzo[g,h,i]perylene	2100		1700	300
207-08-9	Benzo[k]fluoranthene	1400	J	1700	390
111-91-1	Bis(2-chloroethoxy)methane	ND		1700	330
111-44-4	Bis(2-chloroethyl)ether	ND		1700	330
117-81-7	Bis(2-ethylhexyl) phthalate	ND		1700	380
85-68-7	Butyl benzyl phthalate	ND		1700	320
105-60-2	Caprolactam	ND		1700	400
86-74-8	Carbazole	ND		1700	340
218-01-9	Chrysene	3600		1700	420
53-70-3	Dibenz(a,h)anthracene	480	J	1700	350
132-64-9	Dibenzofuran	ND		1700	310
84-66-2	Diethyl phthalate	ND		1700	310
131-11-3	Dimethyl phthalate	ND		1700	330
84-74-2	Di-n-butyl phthalate	ND		1700	390
117-84-0	Di-n-octyl phthalate	ND		1700	330
206-44-0	Fluoranthene	4400		1700	320
86-73-7	Fluorene	490	J	1700	320
118-74-1	Hexachlorobenzene	ND		1700	330
87-68-3	Hexachlorobutadiene	ND		1700	260
77-47-4	Hexachlorocyclopentadiene	ND		3400	760
67-72-1	Hexachloroethane	ND		1700	320
193-39-5	Indeno[1,2,3-cd]pyrene	1200	J	1700	260
78-59-1	Isophorone	ND		1700	360
91-20-3	Naphthalene	910	J	1700	290
98-95-3	Nitrobenzene	ND		1700	290
621-64-7	N-Nitrosodi-n-propylamine	ND		1700	390
86-30-6	N-Nitrosodiphenylamine	ND		1700	290
87-86-5	Pentachlorophenol	ND		3400	550

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48" | Lab Sample ID: 480-231006-3

Matrix: Solid | Lab File ID: X000000364547.d

Analysis Method: 8270D | Date Collected: 07/09/2025 12:00

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15.53(g) | Date Analyzed: 07/18/2025 15:51

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 6.0 % Solids: 94.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 752098 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	3200		1700	330
108-95-2	Phenol	ND		1700	320
129-00-0	Pyrene	8000		1700	330

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	57		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	87		28-124
4165-62-2	Phenol-d5 (Surr)	79		23-120
367-12-4	2-Fluorophenol (Surr)	83		18-120
118-79-6	2,4,6-Tribromophenol (Surr)	82		10-140
321-60-8	2-Fluorobiphenyl (Surr)	83		29-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-5'-8' | Lab Sample ID: 480-231006-5

Matrix: Solid | Lab File ID: X000000364548.d

Analysis Method: 8270D | Date Collected: 07/09/2025 12:45

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15.52(g) | Date Analyzed: 07/18/2025 16:16

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 4.0 % Solids: 96.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 752098 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		1700	320
108-60-1	bis (2-chloroisopropyl) ether	ND		1700	350
95-95-4	2,4,5-Trichlorophenol	ND		1700	350
88-06-2	2,4,6-Trichlorophenol	ND		1700	260
120-83-2	2,4-Dichlorophenol	ND		1700	330
105-67-9	2,4-Dimethylphenol	ND		1700	360
51-28-5	2,4-Dinitrophenol	ND		17000	320
121-14-2	2,4-Dinitrotoluene	ND		1700	230
606-20-2	2,6-Dinitrotoluene	ND		1700	240
91-58-7	2-Chloronaphthalene	ND		1700	320
95-57-8	2-Chlorophenol	ND		1700	270
91-57-6	2-Methylnaphthalene	680	J	1700	270
95-48-7	2-Methylphenol	ND		1700	280
88-74-4	2-Nitroaniline	ND		3300	290
88-75-5	2-Nitrophenol	ND		1700	190
91-94-1	3,3'-Dichlorobenzidine	ND		3300	500
99-09-2	3-Nitroaniline	ND		3300	240
534-52-1	4,6-Dinitro-2-methylphenol	ND		3300	370
101-55-3	4-Bromophenyl phenyl ether	ND		1700	290
59-50-7	4-Chloro-3-methylphenol	ND		1700	350
106-47-8	4-Chloroaniline	ND		1700	240
7005-72-3	4-Chlorophenyl phenyl ether	ND		1700	360
106-44-5	4-Methylphenol	ND		3300	300
100-01-6	4-Nitroaniline	ND		3300	250
100-02-7	4-Nitrophenol	ND		3300	470
83-32-9	Acenaphthene	320	J	1700	320
208-96-8	Acenaphthylene	480	J	1700	330
98-86-2	Acetophenone	ND		1700	300
120-12-7	Anthracene	1000	J	1700	310
1912-24-9	Atrazine	ND		1700	580
100-52-7	Benzaldehyde	ND		1700	1300

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-5'-8' | Lab Sample ID: 480-231006-5

Matrix: Solid | Lab File ID: X000000364548.d

Analysis Method: 8270D | Date Collected: 07/09/2025 12:45

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15.52(g) | Date Analyzed: 07/18/2025 16:16

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 4.0 % Solids: 96.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 752098 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-55-3	Benzo[a]anthracene	1400	J	1700	230
50-32-8	Benzo[a]pyrene	1600	J	1700	290
205-99-2	Benzo[b]fluoranthene	1300	J	1700	230
191-24-2	Benzo[g,h,i]perylene	1400	J	1700	300
207-08-9	Benzo[k]fluoranthene	390	J	1700	380
111-91-1	Bis(2-chloroethoxy)methane	ND		1700	330
111-44-4	Bis(2-chloroethyl)ether	ND		1700	320
117-81-7	Bis(2-ethylhexyl) phthalate	ND		1700	370
85-68-7	Butyl benzyl phthalate	ND		1700	310
105-60-2	Caprolactam	ND		1700	390
86-74-8	Carbazole	ND		1700	330
218-01-9	Chrysene	1600	J	1700	410
53-70-3	Dibenz(a,h)anthracene	ND		1700	340
132-64-9	Dibenzofuran	ND		1700	300
84-66-2	Diethyl phthalate	ND		1700	300
131-11-3	Dimethyl phthalate	ND		1700	330
84-74-2	Di-n-butyl phthalate	ND		1700	380
117-84-0	Di-n-octyl phthalate	ND		1700	320
206-44-0	Fluoranthene	2400		1700	310
86-73-7	Fluorene	ND		1700	310
118-74-1	Hexachlorobenzene	ND		1700	330
87-68-3	Hexachlorobutadiene	ND		1700	250
77-47-4	Hexachlorocyclopentadiene	ND		3300	740
67-72-1	Hexachloroethane	ND		1700	310
193-39-5	Indeno[1,2,3-cd]pyrene	600	J	1700	250
78-59-1	Isophorone	ND		1700	350
91-20-3	Naphthalene	920	J	1700	280
98-95-3	Nitrobenzene	ND		1700	290
621-64-7	N-Nitrosodi-n-propylamine	ND		1700	380
86-30-6	N-Nitrosodiphenylamine	ND		1700	280
87-86-5	Pentachlorophenol	ND		3300	540

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-5'-8' | Lab Sample ID: 480-231006-5

Matrix: Solid | Lab File ID: X000000364548.d

Analysis Method: 8270D | Date Collected: 07/09/2025 12:45

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15.52(g) | Date Analyzed: 07/18/2025 16:16

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 4.0 % Solids: 96.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 752098 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	650	J	1700	320
108-95-2	Phenol	ND		1700	310
129-00-0	Pyrene	4400		1700	320

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	63		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	87		28-124
4165-62-2	Phenol-d5 (Surr)	71		23-120
367-12-4	2-Fluorophenol (Surr)	70		18-120
118-79-6	2,4,6-Tribromophenol (Surr)	85		10-140
321-60-8	2-Fluorobiphenyl (Surr)	74		29-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-12"-5' | Lab Sample ID: 480-231006-12

Matrix: Solid | Lab File ID: X000000364549.d

Analysis Method: 8270D | Date Collected: 07/09/2025 13:30

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15.08(g) | Date Analyzed: 07/18/2025 16:40

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 10.3 % Solids: 89.7 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 752098 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		1900	350
108-60-1	bis (2-chloroisopropyl) ether	ND		1900	380
95-95-4	2,4,5-Trichlorophenol	ND		1900	380
88-06-2	2,4,6-Trichlorophenol	ND		1900	280
120-83-2	2,4-Dichlorophenol	ND		1900	370
105-67-9	2,4-Dimethylphenol	ND		1900	390
51-28-5	2,4-Dinitrophenol	ND		18000	360
121-14-2	2,4-Dinitrotoluene	ND		1900	260
606-20-2	2,6-Dinitrotoluene	ND		1900	270
91-58-7	2-Chloronaphthalene	ND		1900	350
95-57-8	2-Chlorophenol	ND		1900	290
91-57-6	2-Methylnaphthalene	2300		1900	290
95-48-7	2-Methylphenol	ND		1900	300
88-74-4	2-Nitroaniline	ND		3700	320
88-75-5	2-Nitrophenol	ND		1900	210
91-94-1	3,3'-Dichlorobenzidine	ND		3700	550
99-09-2	3-Nitroaniline	ND		3700	260
534-52-1	4,6-Dinitro-2-methylphenol	ND		3700	410
101-55-3	4-Bromophenyl phenyl ether	ND		1900	320
59-50-7	4-Chloro-3-methylphenol	ND		1900	380
106-47-8	4-Chloroaniline	ND		1900	270
7005-72-3	4-Chlorophenyl phenyl ether	ND		1900	390
106-44-5	4-Methylphenol	ND		3700	340
100-01-6	4-Nitroaniline	ND		3700	270
100-02-7	4-Nitrophenol	ND		3700	510
83-32-9	Acenaphthene	650	J	1900	350
208-96-8	Acenaphthylene	1300	J	1900	360
98-86-2	Acetophenone	ND		1900	330
120-12-7	Anthracene	3500		1900	350
1912-24-9	Atrazine	ND		1900	630
100-52-7	Benzaldehyde	ND		1900	1400

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-12"-5' | Lab Sample ID: 480-231006-12

Matrix: Solid | Lab File ID: X000000364549.d

Analysis Method: 8270D | Date Collected: 07/09/2025 13:30

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15.08(g) | Date Analyzed: 07/18/2025 16:40

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 10.3 % Solids: 89.7 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 752098 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-55-3	Benzo[a]anthracene	8900		1900	260
50-32-8	Benzo[a]pyrene	6000		1900	320
205-99-2	Benzo[b]fluoranthene	5800		1900	250
191-24-2	Benzo[g,h,i]perylene	4200		1900	330
207-08-9	Benzo[k]fluoranthene	2100		1900	420
111-91-1	Bis(2-chloroethoxy)methane	ND		1900	360
111-44-4	Bis(2-chloroethyl)ether	ND		1900	350
117-81-7	Bis(2-ethylhexyl) phthalate	ND		1900	410
85-68-7	Butyl benzyl phthalate	ND		1900	350
105-60-2	Caprolactam	ND		1900	430
86-74-8	Carbazole	ND		1900	370
218-01-9	Chrysene	9100		1900	450
53-70-3	Dibenz(a,h)anthracene	1200	J	1900	380
132-64-9	Dibenzofuran	520	J	1900	330
84-66-2	Diethyl phthalate	ND		1900	340
131-11-3	Dimethyl phthalate	ND		1900	360
84-74-2	Di-n-butyl phthalate	ND		1900	420
117-84-0	Di-n-octyl phthalate	ND		1900	360
206-44-0	Fluoranthene	14000		1900	340
86-73-7	Fluorene	2600		1900	340
118-74-1	Hexachlorobenzene	ND		1900	360
87-68-3	Hexachlorobutadiene	ND		1900	280
77-47-4	Hexachlorocyclopentadiene	ND		3700	820
67-72-1	Hexachloroethane	ND		1900	340
193-39-5	Indeno[1,2,3-cd]pyrene	2400		1900	280
78-59-1	Isophorone	ND		1900	380
91-20-3	Naphthalene	ND		1900	310
98-95-3	Nitrobenzene	ND		1900	310
621-64-7	N-Nitrosodi-n-propylamine	ND		1900	420
86-30-6	N-Nitrosodiphenylamine	ND		1900	310
87-86-5	Pentachlorophenol	ND		3700	600

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-12"-5' | Lab Sample ID: 480-231006-12

Matrix: Solid | Lab File ID: X000000364549.d

Analysis Method: 8270D | Date Collected: 07/09/2025 13:30

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15.08(g) | Date Analyzed: 07/18/2025 16:40

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 10.3 % Solids: 89.7 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 752098 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	24000		1900	350
108-95-2	Phenol	ND		1900	340
129-00-0	Pyrene	22000		1900	360

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	70		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	80		28-124
4165-62-2	Phenol-d5 (Surr)	67		23-120
367-12-4	2-Fluorophenol (Surr)	66		18-120
118-79-6	2,4,6-Tribromophenol (Surr)	34		10-140
321-60-8	2-Fluorobiphenyl (Surr)	74		29-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-9'-10' | Lab Sample ID: 480-231006-14

Matrix: Solid | Lab File ID: X000000364550.d

Analysis Method: 8270D | Date Collected: 07/09/2025 14:00

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15.52(g) | Date Analyzed: 07/18/2025 17:06

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 9.1 % Solids: 90.9 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 752098 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		180	34
108-60-1	bis (2-chloroisopropyl) ether	ND		180	37
95-95-4	2,4,5-Trichlorophenol	ND		180	36
88-06-2	2,4,6-Trichlorophenol	ND		180	27
120-83-2	2,4-Dichlorophenol	ND		180	35
105-67-9	2,4-Dimethylphenol	ND		180	38
51-28-5	2,4-Dinitrophenol	ND		1800	34
121-14-2	2,4-Dinitrotoluene	ND		180	24
606-20-2	2,6-Dinitrotoluene	ND		180	26
91-58-7	2-Chloronaphthalene	ND		180	34
95-57-8	2-Chlorophenol	ND		180	28
91-57-6	2-Methylnaphthalene	ND		180	28
95-48-7	2-Methylphenol	ND		180	29
88-74-4	2-Nitroaniline	ND		350	31
88-75-5	2-Nitrophenol	ND		180	20
91-94-1	3,3'-Dichlorobenzidine	ND		350	53
99-09-2	3-Nitroaniline	ND		350	25
534-52-1	4,6-Dinitro-2-methylphenol	ND		350	39
101-55-3	4-Bromophenyl phenyl ether	ND		180	31
59-50-7	4-Chloro-3-methylphenol	ND		180	37
106-47-8	4-Chloroaniline	ND		180	26
7005-72-3	4-Chlorophenyl phenyl ether	ND		180	38
106-44-5	4-Methylphenol	ND		350	32
100-01-6	4-Nitroaniline	ND		350	26
100-02-7	4-Nitrophenol	ND		350	49
83-32-9	Acenaphthene	ND		180	33
208-96-8	Acenaphthylene	ND		180	35
98-86-2	Acetophenone	ND		180	32
120-12-7	Anthracene	ND		180	33
1912-24-9	Atrazine	ND		180	61
100-52-7	Benzaldehyde	ND		180	140

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-9'-10' | Lab Sample ID: 480-231006-14

Matrix: Solid | Lab File ID: X000000364550.d

Analysis Method: 8270D | Date Collected: 07/09/2025 14:00

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15.52(g) | Date Analyzed: 07/18/2025 17:06

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 9.1 % Solids: 90.9 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 752098 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-55-3	Benzo[a]anthracene	ND		180	25
50-32-8	Benzo[a]pyrene	ND		180	31
205-99-2	Benzo[b]fluoranthene	ND		180	24
191-24-2	Benzo[g,h,i]perylene	ND		180	31
207-08-9	Benzo[k]fluoranthene	ND		180	40
111-91-1	Bis(2-chloroethoxy)methane	ND		180	34
111-44-4	Bis(2-chloroethyl)ether	ND		180	34
117-81-7	Bis(2-ethylhexyl) phthalate	ND		180	39
85-68-7	Butyl benzyl phthalate	ND		180	33
105-60-2	Caprolactam	ND		180	42
86-74-8	Carbazole	ND		180	35
218-01-9	Chrysene	ND		180	43
53-70-3	Dibenz(a,h)anthracene	ND		180	36
132-64-9	Dibenzofuran	ND		180	32
84-66-2	Diethyl phthalate	ND		180	32
131-11-3	Dimethyl phthalate	ND		180	35
84-74-2	Di-n-butyl phthalate	ND		180	40
117-84-0	Di-n-octyl phthalate	ND		180	34
206-44-0	Fluoranthene	ND		180	33
86-73-7	Fluorene	ND		180	33
118-74-1	Hexachlorobenzene	ND		180	35
87-68-3	Hexachlorobutadiene	ND		180	27
77-47-4	Hexachlorocyclopentadiene	ND		350	79
67-72-1	Hexachloroethane	ND		180	33
193-39-5	Indeno[1,2,3-cd]pyrene	ND		180	27
78-59-1	Isophorone	ND		180	37
91-20-3	Naphthalene	ND		180	30
98-95-3	Nitrobenzene	ND		180	30
621-64-7	N-Nitrosodi-n-propylamine	ND		180	40
86-30-6	N-Nitrosodiphenylamine	ND		180	30
87-86-5	Pentachlorophenol	ND		350	57

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-9'-10' | Lab Sample ID: 480-231006-14

Matrix: Solid | Lab File ID: X000000364550.d

Analysis Method: 8270D | Date Collected: 07/09/2025 14:00

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15.52(g) | Date Analyzed: 07/18/2025 17:06

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 9.1 % Solids: 90.9 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 752098 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	ND		180	34
108-95-2	Phenol	ND		180	33
129-00-0	Pyrene	36	J	180	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	78		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	91		28-124
4165-62-2	Phenol-d5 (Surr)	84		23-120
367-12-4	2-Fluorophenol (Surr)	83		18-120
118-79-6	2,4,6-Tribromophenol (Surr)	84		10-140
321-60-8	2-Fluorobiphenyl (Surr)	80		29-120

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 750893

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/03/2025 14:28 Calibration End Date: 07/03/2025 17:19 Calibration ID: 48503

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-750893/3	X000000364180.d
Level 2	IC 480-750893/4	X000000364181.d
Level 3	IC 480-750893/5	X000000364182.d
Level 4	IC 480-750893/6	X000000364183.d
Level 5	IC 480-750893/7	X000000364184.d
Level 6	ICIS 480-750893/8	X000000364185.d
Level 7	IC 480-750893/9	X000000364186.d
Level 8	IC 480-750893/10	X000000364187.d

RSD>20 - all samples ND - no qual

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.5669 0.6733	0.8464 0.6706	0.7576 0.7210	0.6779	0.6713	Ave		0.6981			0.0100	11.6		20.0			
N-Nitrosodimethylamine	1.1540	1.1187 1.1330	0.9885 1.2059	1.1602	1.1229	Lin2	-0.210	1.1503			0.0100	5.8		20.0	0.9960		0.9900
Pyridine	1.1846	1.6063 1.1381	1.2214 1.1313	1.3005	1.1830	Lin2	2.1750	1.1273			0.0100	5.9		20.0	0.9960		0.9900
Benzaldehyde	1.3305	1.6075 1.0685	1.8613 +++++	1.9391	1.7464	Ave		1.5922			0.0100	21.0	*	20.0			
Aniline	2.5641	2.1984 2.5367	2.1773 2.5252	2.5785	2.4500	Lin2	-1.018	2.5498			0.0100	4.0		20.0	0.9980		0.9900
Phenol	2.1404	2.0190 2.1421	2.0399 2.1988	1.9722	2.0560	Ave		2.0812			0.8000	3.9		20.0			
Bis(2-chloroethyl)ether	1.5327	1.5523 1.5069	1.5314 1.5182	1.5715	1.4527	Ave		1.5237			0.7000	2.5		20.0			
2-Chlorophenol	1.2905	1.0617 1.2729	1.3173 1.2874	1.2648	1.1878	Lin2	-0.444	1.2914			0.8000	5.3		20.0	0.9970		0.9900
n-Decane	1.7171	1.6617 1.6330	1.5662 1.6659	1.6783	1.5807	Ave		1.6433			0.0100	3.3		20.0			
1,3-Dichlorobenzene	1.5231	1.6466 1.4458	1.4375 1.4875	1.4567	1.4563	Ave		1.4933			0.0100	4.9		20.0			
1,4-Dichlorobenzene	1.5366	1.5478 1.4541	1.3839 1.5036	1.5284	1.4771	Ave		1.4902			0.0100	3.9		20.0			
Benzyl alcohol	1.0435	0.6635 0.9694	0.6874 1.0070	0.9448	0.9199	Lin2	-0.975	1.0028			0.0100	7.0		20.0	0.9940		0.9900
1,2-Dichlorobenzene	1.4448	1.4995 1.4328	1.3287 1.4757	1.3995	1.4123	Ave		1.4276			0.0100	3.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 750893

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/03/2025 14:28 Calibration End Date: 07/03/2025 17:19 Calibration ID: 48503

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Indene	0.6556	0.7449 0.5977	0.7311 0.5689	0.6970	0.6464	Lin2	2.2988	0.6191			0.0100	6.5		20.0	0.9950		0.9900
2-Methylphenol	1.4332	1.1889 1.3484	1.4083 1.4500	1.4615	1.3267	Lin2	-0.484	1.4295			0.7000	5.1		20.0	0.9970		0.9900
bis (2-chloroisopropyl) ether	1.4923	1.7257 1.5015	1.4082 1.5169	1.5243	1.4234	Lin2	0.4947	1.4564			0.0100	5.8		20.0	0.9960		0.9900
Acetophenone	2.2940	1.7540 2.2685	2.0639 2.3035	2.3448	2.2251	Lin2	-1.389	2.3387			0.0100	3.1		20.0	0.9990		0.9900
N-Nitrosodi-n-propylamine	1.3741	1.4063 1.3449	1.3615 1.4111	1.2762	1.2532	Ave		1.3467			0.5000	4.5		20.0			
4-Methylphenol	1.4389	1.4649 1.4604	1.3384 1.5090	1.4956	1.4408	Ave		1.4497			0.6000	3.8		20.0			
Hexachloroethane	0.7629	0.7186 0.7571	0.7775 0.7579	0.7935	0.7227	Ave		0.7557			0.3000	3.6		20.0			
Nitrobenzene	0.5927	0.6815 0.5745	0.5648 0.5652	0.5909	0.5384	Lin2	0.2567	0.5574			0.2000	5.4		20.0	0.9960		0.9900
Isophorone	1.0328	0.9454 0.9791	1.0649 0.9622	0.9792	0.9721	Ave		0.9908			0.4000	4.3		20.0			
2-Nitrophenol	0.1883	0.1614 0.1871	0.1614 0.1881	0.1713	0.1709	Lin2	-0.070	0.1835			0.1000	4.3		20.0	0.9980		0.9900
2,4-Dimethylphenol	0.5104	0.4777 0.4809	0.4751 0.4895	0.4907	0.4864	Ave		0.4873			0.2000	2.4		20.0			
Bis(2-chloroethoxy)methane	0.5155	0.4937 0.4945	0.5011 0.5019	0.4821	0.5011	Ave		0.4986			0.3000	2.0		20.0			
2,4-Dichlorophenol	0.3287	0.3421 0.3102	0.3154 0.3144	0.2723	0.2947	Ave		0.3111			0.2000	7.3		20.0			
Benzoic acid	0.3764	0.1839 0.3681	0.2586 0.3784	0.2734	0.3184	Lin2	-2.921	0.3641			0.0100	7.4		20.0	0.9930		0.9900
1,2,4-Trichlorobenzene	0.3815	0.3860 0.3516	0.3864 0.3607	0.3586	0.3559	Ave		0.3687			0.0100	4.1		20.0			
Naphthalene	1.0370 1.0343	1.0666 1.0092	1.1153 0.9618	1.0044	0.9807	Ave		1.0261			0.7000	4.8		20.0			
4-Chloroaniline	0.4359	0.3564 0.3922	0.3664 0.3883	0.3803	0.4059	Lin2	-0.137	0.4051			0.0100	4.8		20.0	0.9970		0.9900
2,6-Dichlorophenol	0.3345	0.2811 0.3139	0.3148 0.3018	0.3128	0.2979	Lin2	-0.073	0.3165			0.0100	4.5		20.0	0.9970		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 750893

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/03/2025 14:28 Calibration End Date: 07/03/2025 17:19 Calibration ID: 48503

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.2892	0.2994 0.2816	0.2752 0.2762	0.3041	0.2791	Ave		0.2864			0.0100	4.0		20.0			
Caprolactam	0.1675	0.1273 0.1660	0.1468 0.1580	0.1370	0.1608	Lin2	-0.093	0.1626			0.0100	5.3		20.0	0.9960		0.9900
4-Chloro-3-methylphenol	0.4129	0.3927 0.3947	0.3929 0.4079	0.3580	0.4095	Ave		0.3955			0.2000	4.7		20.0			
2-Methylnaphthalene	0.5763 0.6303	0.5630 0.6183	0.6298 0.6173	0.6125	0.6021	Ave		0.6062			0.4000	4.1		20.0			
1-Methylnaphthalene	0.7967 0.6414	0.6011 0.6163	0.5653 0.6231	0.6023	0.6094	Lin2	0.0928	0.5994			0.0100	5.5		20.0	0.9970		0.9900
Hexachlorocyclopentadiene	0.4166	+++++ 0.4245	0.2223 0.4837	0.2572	0.3395	Lin1	-1.708	0.4723			0.0500	12.6		20.0	0.9920		0.9900
1,2,4,5-Tetrachlorobenzene	0.6516	0.7280 0.6423	0.6916 0.6689	0.6483	0.6463	Ave		0.6681			0.0100	4.7		20.0			
2,4,6-Trichlorophenol	0.3666	0.4027 0.3895	0.4091 0.3891	0.3287	0.3699	Ave		0.3794			0.2000	7.2		20.0			
2,4,5-Trichlorophenol	0.4197	0.3570 0.4107	0.4030 0.4372	0.3513	0.3922	Lin2	-0.144	0.4124			0.2000	6.5		20.0	0.9950		0.9900
Biphenyl	1.4551	1.4180 1.4510	1.5296 1.4872	1.4216	1.4418	Ave		1.4578			0.0100	2.7		20.0			
2-Chloronaphthalene	1.1312	0.9387 1.0955	1.1538 1.1210	1.1186	1.1215	Lin2	-0.393	1.1423			0.8000	4.4		20.0	0.9980		0.9900
2-Nitroaniline	0.5219	0.4743 0.5137	0.4830 0.5230	0.4687	0.4793	Ave		0.4949			0.0100	4.8		20.0			
Dimethyl phthalate	1.3924	1.5000 1.3739	1.3240 1.4248	1.3524	1.3611	Ave		1.3898			0.0100	4.2		20.0			
1,3-Dinitrobenzene	0.1306	0.1108 0.1349	0.1080 0.1353	0.0969	0.1156	Ave		0.1189			0.0100	12.6		20.0			
2,6-Dinitrotoluene	0.3125	0.2796 0.3167	0.2746 0.3197	0.2694	0.3214	Lin2	-0.113	0.3121			0.2000	6.0		20.0	0.9960		0.9900
Acenaphthylene	1.9339 1.7334	1.6106 1.6549	1.8720 1.7086	1.7157	1.7103	Lin2	0.1083	1.7045			0.9000	5.0		20.0	0.9980		0.9900
3-Nitroaniline	0.2883	0.2147 0.3075	0.2928 0.3057	0.2290	0.3293	Lin1	-0.233	0.3078			0.0100	10.6		20.0	0.9960		0.9900
Acenaphthene	1.4508 1.1661	1.1470 1.1414	1.2436 1.1806	1.1474	1.1026	Lin2	0.1498	1.1449			0.9000	3.9		20.0	0.9980		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 750893

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/03/2025 14:28 Calibration End Date: 07/03/2025 17:19 Calibration ID: 48503

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,4-Dinitrophenol	0.1902	0.0623 0.1987	0.1049 0.2106	0.1088	0.1607	Lin1	-1.019	0.2066			0.0100	17.1		20.0	0.9930		0.9900
4-Nitrophenol	0.3120	0.1470 0.2978	0.2733 0.3058	0.2564	0.2908	Lin2	-0.761	0.3127			0.0100	6.4		20.0	0.9950		0.9900
Dibenzofuran	1.3500 1.6075	1.7433 1.5797	1.6928 1.6032	1.4711	1.5413	Lin2	-0.113	1.6133			0.8000	6.5		20.0	0.9960		0.9900
2,4-Dinitrotoluene	0.4399	0.3721 0.4442	0.3902 0.4700	0.3832	0.4614	Lin2	-0.228	0.4492			0.2000	5.8		20.0	0.9960		0.9900
2,3,4,6-Tetrachlorophenol	0.3568	0.2893 0.3462	0.3276 0.3719	0.2955	0.3231	Lin2	-0.158	0.3482			0.0100	6.6		20.0	0.9950		0.9900
Diethyl phthalate	1.3829	1.2466 1.4593	1.5003 1.4282	1.3306	1.3781	Lin2	-0.330	1.4273			0.0100	5.4		20.0	0.9960		0.9900
Hexadecane	0.8978	0.9680 0.8744	0.9827 0.8879	0.8581	0.9260	Lin2	0.2420	0.8858			0.0100	4.0		20.0	0.9980		0.9900
Fluorene	1.2749 1.3366	1.0944 1.3176	1.4625 1.3389	1.3056	1.2993	Ave		1.3037			0.9000	7.8		20.0			
4-Chlorophenyl phenyl ether	0.7365	0.6334 0.7132	0.7085 0.7323	0.7360	0.7092	Lin2	-0.225	0.7357			0.4000	2.4		20.0	0.9990		0.9900
4-Nitroaniline	0.2994	0.2254 0.2999	0.2936 0.3056	0.2852	0.2900	Lin2	-0.177	0.3059			0.0100	3.9		20.0	0.9980		0.9900
4,6-Dinitro-2-methylphenol	0.1553	0.1107 0.1577	0.1141 0.1555	0.1204	0.1387	Lin2	-0.246	0.1502			0.0100	8.2		20.0	0.9920		0.9900
Diphenylamine	0.5580	0.5163 0.5637	0.5711 0.5617	0.5663	0.5709	Ave		0.5583			0.0100	3.4		20.0			
N-Nitrosodiphenylamine	0.4771	0.4415 0.4820	0.4883 0.4802	0.4841	0.4882	Ave		0.4773			0.0100	3.4		20.0			
1,2-Diphenylhydrazine	1.0228	1.0216 0.9526	0.9972 0.9468	0.9805	0.9633	Ave		0.9835			0.0100	3.2		20.0			
trans-Azobenzene	1.0228	1.0216 0.9526	0.9972 0.9468	0.9805	0.9633	Ave		0.9835			0.0100	3.2		20.0			
4-Bromophenyl phenyl ether	0.2252	0.1948 0.2078	0.2169 0.2254	0.1920	0.2081	Lin2	-0.050	0.2158			0.1000	5.8		20.0	0.9960		0.9900
Hexachlorobenzene	0.2444	0.3266 0.2467	0.2502 0.2544	0.2878	0.2456	Lin2	0.1814	0.2443			0.1000	7.8		20.0	0.9920		0.9900
Atrazine	0.5903	0.6118 0.5911	0.6683 0.5702	0.5432	0.6085	Ave		0.5976			0.0100	6.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 750893

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/03/2025 14:28 Calibration End Date: 07/03/2025 17:19 Calibration ID: 48503

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Pentachlorophenol	0.1618	0.1008 0.1603	0.1258 0.1601	0.1254	0.1329	Lin2	-0.293	0.1550			0.0500	7.5		20.0	0.9930		0.9900
n-Octadecane	0.4745	0.5488 0.4612	0.5029 0.4779	0.5012	0.4570	Lin2	0.2089	0.4651			0.0100	2.7		20.0	0.9990		0.9900
Phenanthrene	1.1996 1.0416	1.1805 0.9737	1.0956 1.0093	0.9923	0.9774	Lin2	0.1005	1.0235			0.7000	6.2		20.0	0.9960		0.9900
Anthracene	0.9218 1.0718	1.1085 1.0551	1.1050 1.0620	1.0364	1.0182	Lin2	-0.067	1.0709			0.7000	3.8		20.0	0.9990		0.9900
Carbazole	0.8903	0.8388 0.8432	0.8860 0.8634	0.8510	0.8288	Ave		0.8574			0.0100	2.8		20.0			
Di-n-butyl phthalate	1.2135	1.1882 1.1719	1.1406 1.1629	1.1387	1.1478	Ave		1.1662			0.0100	2.4		20.0			
Fluoranthene	1.1122 1.1886	1.1275 1.1901	1.1645 1.1580	1.1771	1.1460	Ave		1.1580			0.6000	2.4		20.0			
Benzidine	0.7323	0.7484 0.6444	0.8099 0.6018	0.8361	0.8201	Ave		0.7419			0.0100	12.2		20.0			
Pyrene	1.1910 1.2547	1.2058 1.1745	1.1946 1.1434	1.2282	1.2053	Ave		1.1997			0.6000	2.8		20.0			
Butyl benzyl phthalate	0.5802	0.5777 0.5606	0.5327 0.5376	0.5031	0.5472	Ave		0.5484			0.0100	5.0		20.0			
3,3'-Dichlorobenzidine	0.5311	0.5222 0.5298	0.5024 0.5227	0.5093	0.5197	Ave		0.5196			0.0100	2.0		20.0			
Benzo[a]anthracene	1.2563 1.1957	1.2752 1.1994	1.2163 1.1468	1.2060	1.1640	Ave		1.2074			0.8000	3.5		20.0			
Bis(2-ethylhexyl) phthalate	0.8352	0.7151 0.7971	0.9065 0.7895	0.7653	0.8257	Ave		0.8049			0.0100	7.5		20.0			
Chrysene	1.4779 1.1926	1.3222 1.1255	1.1127 1.1324	1.1286	1.1501	Lin2	0.1735	1.1444			0.7000	5.0		20.0	0.9980		0.9900
Di-n-octyl phthalate	1.3758	1.2506 1.3245	1.2988 1.3039	1.2917	1.3195	Ave		1.3093			0.0100	2.9		20.0			
Benzo[b]fluoranthene	0.8085 1.1172	1.0400 1.1236	0.9741 1.0817	0.8756	1.1066	Lin2	-0.129	1.0613			0.7000	8.2		20.0	0.9930		0.9900
Benzo[k]fluoranthene	1.3149 1.2230	1.2316 1.0604	1.3831 1.1389	1.2162	1.0941	Lin2	0.0777	1.1805			0.7000	8.7		20.0	0.9930		0.9900
Benzo[a]pyrene	1.0718 1.0734	1.0326 0.9735	1.0464 1.0329	1.0218	1.0046	Ave		1.0321			0.7000	3.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 750893

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/03/2025 14:28 Calibration End Date: 07/03/2025 17:19 Calibration ID: 48503

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Indeno[1,2,3-cd]pyrene	1.2805 1.4141	1.4219 1.3249	1.3688 1.3908	1.2611	1.3030	Ave		1.3456			0.5000	4.6		20.0			
Dibenz(a,h)anthracene	1.2197 1.1386	1.2003 1.0557	1.0912 1.1257	1.0521	1.0269	Lin2	0.0716	1.0887			0.4000	5.1		20.0	0.9980		0.9900
Benzo[g,h,i]perylene	1.0571 1.0661	1.0481 1.0155	1.0801 1.0550	0.9731	0.9965	Ave		1.0365			0.5000	3.6		20.0			
2-Fluorophenol (Surr)	1.4007	1.0986 1.4209	1.1748 1.4143	1.2934	1.3792	Lin2	-0.873	1.4120			0.0100	2.7		20.0	0.9990		0.9900
Phenol-d5 (Surr)	1.9527	1.5287 1.8646	1.5723 1.8669	1.6603	1.8053	Lin2	-1.006	1.8657			0.0100	4.6		20.0	0.9970		0.9900
Nitrobenzene-d5 (Surr)	0.6058	0.5838 0.5724	0.6043 0.5748	0.5814	0.5704	Ave		0.5847			0.0100	2.5		20.0			
2-Fluorobiphenyl (Surr)	1.3469	1.2990 1.3047	1.4045 1.3364	1.3254	1.2677	Ave		1.3264			0.0100	3.3		20.0			
2,4,6-Tribromophenol (Surr)	0.1424	0.1347 0.1355	0.1339 0.1382	0.1235	0.1236	Ave		0.1331			0.0100	5.3		20.0			
p-Terphenyl-d14 (Surr)	0.9478	0.9468 0.9373	0.9005 0.9297	1.0052	0.9643	Ave		0.9474			0.0100	3.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 750893

SDG No.:

Instrument ID: HP5973X | GC Column: RXI-5Sil M ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/03/2025 14:28 | Calibration End Date: 07/03/2025 17:19 | Calibration ID: 48503

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-750893/3	X000000364180.d
Level 2	IC 480-750893/4	X000000364181.d
Level 3	IC 480-750893/5	X000000364182.d
Level 4	IC 480-750893/6	X000000364183.d
Level 5	IC 480-750893/7	X000000364184.d
Level 6	ICIS 480-750893/8	X000000364185.d
Level 7	IC 480-750893/9	X000000364186.d
Level 8	IC 480-750893/10	X000000364187.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd4	Ave	3656 113761	8958 170754	17374 254785	25153	60302	1.50 40.0	2.50 60.0	5.00 80.0	10.0	20.0
N-Nitrosodimethylamine	DCBd4	Lin2	 194989	11840 288474	22668 426147	43048	100877	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Pyridine	DCBd4	Lin2	 400316	34002 579559	56020 799615	96509	212543	 80.0	5.00 120	10.0 160	20.0	40.0
Benzaldehyde	DCBd4	Ave	 224808	17013 272058	42683 +++++	71947	156888	 40.0	2.50 60.0	5.00 +++++	10.0	20.0
Aniline	DCBd4	Lin2	 433243	23267 645881	49930 892393	95671	220093	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Phenol	DCBd4	Ave	 361658	21368 545416	46780 777042	73175	184694	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Bis(2-chloroethyl)ether	DCBd4	Ave	 258976	16429 383674	35117 536538	58309	130501	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
2-Chlorophenol	DCBd4	Lin2	 218045	11237 324093	30209 454966	46927	106708	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
n-Decane	DCBd4	Ave	 290125	17587 415774	35916 588733	62271	141998	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
1,3-Dichlorobenzene	DCBd4	Ave	 257353	17427 368108	32965 525669	54049	130822	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
1,4-Dichlorobenzene	DCBd4	Ave	 259635	16381 370228	31735 531373	56711	132696	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Benzyl alcohol	DCBd4	Lin2	 176311	7022 246833	15764 355859	35055	82638	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
1,2-Dichlorobenzene	DCBd4	Ave	 244121	15870 364807	30469 521511	51925	126872	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Indene	PHN	Lin2	 2837794	179131 3992977	375808 5340931	643969	1437529	 240	15.0 360	30.0 480	60.0	120
2-Methylphenol	DCBd4	Lin2	 242157	12583 343314	32294 512417	54228	119182	 40.0	2.50 60.0	5.00 80.0	10.0	20.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 750893

SDG No.:

Instrument ID: HP5973X | GC Column: RXI-5Sil M ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/03/2025 14:28 | Calibration End Date: 07/03/2025 17:19 | Calibration ID: 48503

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
bis (2-chloroisopropyl) ether	DCBd4	Lin2	252151	18264 382289	32292 536079	56559	127871	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Acetophenone	DCBd4	Lin2	387610	18564 577596	47330 814062	87002	199891	40.0	2.50 60.0	5.00 80.0	10.0	20.0
N-Nitrosodi-n-propylamine	DCBd4	Ave	232165	14884 342422	31223 498669	47351	112576	40.0	2.50 60.0	5.00 80.0	10.0	20.0
4-Methylphenol	DCBd4	Ave	243116	15504 371831	30692 533262	55494	129427	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Hexachloroethane	DCBd4	Ave	128897	7605 192755	17829 267842	29442	64925	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Nitrobenzene	NPT	Lin2	355423	25018 538772	43172 760290	80900	170030	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Isophorone	NPT	Ave	619260	34703 918201	81404 1294406	134072	306998	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2-Nitrophenol	NPT	Lin2	112924	5925 175474	12340 253018	23447	53966	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2,4-Dimethylphenol	NPT	Ave	306074	17536 451013	36314 658564	67182	153622	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Bis(2-chloroethoxy)methane	NPT	Ave	309135	18123 463770	38302 675168	66007	158259	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2,4-Dichlorophenol	NPT	Ave	197103	12557 290948	24108 422891	37283	93063	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Benzoic acid	NPT	Lin2	1354259	40511 2071343	118589 3054082	224612	603348	240	15.0 360	30.0 480	60.0	120
1,2,4-Trichlorobenzene	NPT	Ave	228784	14171 329782	29534 485294	49095	112390	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Naphthalene	NPT	Ave	7852 620185	39153 946424	85258 1293871	137511	309732	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
4-Chloroaniline	NPT	Lin2	261361	13082 367860	28007 522319	52070	128208	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2,6-Dichlorophenol	NPT	Lin2	200569	10319 294409	24065 405969	42823	94079	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Hexachlorobutadiene	NPT	Ave	173400	10990 264129	21036 371584	41641	88158	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Caprolactam	NPT	Lin2	100465	4673 155678	11221 212562	18763	50798	40.0	2.50 60.0	5.00 80.0	10.0	20.0
4-Chloro-3-methylphenol	NPT	Ave	247593	14415 370151	30036 548672	49010	129334	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2-Methylnaphthalene	NPT	Ave	4364 377939	20667 579895	48142 830428	83864	190160	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
1-Methylnaphthalene	NPT	Lin2	6033	22065	43210	82467	192467	0.500	2.50	5.00	10.0	20.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 750893

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/03/2025 14:28 Calibration End Date: 07/03/2025 17:19 Calibration ID: 48503

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			384595	577984	838241			40.0	60.0	80.0		
Hexachlorocyclopentadiene	ANT	Lin1	154789	+++++ 239992	9641 383973	21123	63416	40.0	+++++ 60.0	5.00 80.0	10.0	20.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	242145	15878 363103	29991 530966	53245	120735	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2,4,6-Trichlorophenol	ANT	Ave	136212	8783 220206	17742 308894	27000	69102	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2,4,5-Trichlorophenol	ANT	Lin2	155946	7787 232181	17475 347048	28854	73260	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Biphenyl	ANT	Ave	540700	30927 820324	66330 1180560	116762	269335	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2-Chloronaphthalene	ANT	Lin2	420331	20474 619357	50032 889851	91875	209507	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2-Nitroaniline	ANT	Ave	193950	10345 290412	20943 415168	38500	89538	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Dimethyl phthalate	ANT	Ave	517406	32716 776735	57415 1131001	111081	254265	40.0	2.50 60.0	5.00 80.0	10.0	20.0
1,3-Dinitrobenzene	NPT	Ave	78289	4067 126467	8258 182055	13264	36495	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2,6-Dinitrotoluene	ANT	Lin2	116129	6098 179070	11910 253786	22128	60042	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Acenaphthylene	ANT	Lin2	8522 644116	35127 935587	81179 1356258	140923	319491	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
3-Nitroaniline	ANT	Lin1	107142	4682 173853	12695 242656	18809	61509	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Acenaphthene	ANT	Lin2	6393 433315	25016 645274	53926 937175	94242	205962	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
2,4-Dinitrophenol	ANT	Lin1	141338	2718 224694	9096 334411	17878	60049	80.0	5.00 120	10.0 160	20.0	40.0
4-Nitrophenol	ANT	Lin2	231897	6412 336730	23703 485438	42123	108634	80.0	5.00 120	10.0 160	20.0	40.0
Dibenzofuran	ANT	Lin2	5949 597344	38022 893072	73406 1272638	120832	287918	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
2,4-Dinitrotoluene	ANT	Lin2	163472	8115 251137	16919 373086	31471	86191	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2,3,4,6-Tetrachlorophenol	ANT	Lin2	132566	6310 195723	14206 295206	24268	60351	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Diethyl phthalate	ANT	Lin2	513872	27188 825037	65058 1133733	109288	257437	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Hexadecane	ANT	Lin2	333600	21112 494320	42616 704786	70482	172985	40.0	2.50 60.0	5.00 80.0	10.0	20.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 750893

SDG No.:

Instrument ID: HP5973X | GC Column: RXI-5Sil M ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/03/2025 14:28 | Calibration End Date: 07/03/2025 17:19 | Calibration ID: 48503

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Fluorene	ANT	Ave	5618 496680	23869 744899	63419 1062825	107239	242712	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
4-Chlorophenyl phenyl ether	ANT	Lin2	 273677	13815 403226	30725 581259	60450	132480	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
4-Nitroaniline	ANT	Lin2	 111254	4917 169530	12730 242551	23423	54164	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
4,6-Dinitro-2-methylphenol	PHN	Lin2	 224079	8870 351181	19548 486534	37070	102834	 80.0	5.00 120	10.0 160	20.0	40.0
Diphenylamine	PHN	Ave	 344174	17693 536604	41837 751344	74548	180937	 34.2	2.14 51.3	4.28 68.4	8.55	17.1
N-Nitrosodiphenylamine	PHN	Ave	 344174	17693 536604	41837 751344	74548	180937	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
1,2-Diphenylhydrazine	PHN	Ave	 737863	40944 1060620	85438 1481380	150970	357035	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
trans-Azobenzene	PHN	Ave	 737863	40944 1060620	85438 1481380	150970	357035	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
4-Bromophenyl phenyl ether	PHN	Lin2	 162446	7809 231342	18587 352621	29571	77129	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Hexachlorobenzene	PHN	Lin2	 176328	13091 274638	21439 397994	44319	91017	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Atrazine	ANT	Ave	 219334	13343 334165	28979 452623	44613	113672	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Pentachlorophenol	PHN	Lin2	 233405	8077 356845	21552 501038	38632	98533	 80.0	5.00 120	10.0 160	20.0	40.0
n-Octadecane	PHN	Lin2	 342310	21997 513515	43091 747736	77177	169373	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Phenanthrene	PHN	Lin2	10014 751440	47313 1084080	93867 1579070	152801	362272	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Anthracene	PHN	Lin2	7695 773249	44429 1174743	94674 1661574	159590	377407	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Carbazole	PHN	Ave	 642333	33618 938844	75909 1350801	131039	307205	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Di-n-butyl phthalate	PHN	Ave	 875462	47620 1304704	97719 1819456	175329	425428	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Fluoranthene	PHN	Ave	9284 857511	45187 1325069	99769 1811766	181241	424786	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Benzidine	CRY	Ave	 1068218	62061 1478701	139542 2018498	256670	600082	 80.0	5.00 120	10.0 160	20.0	40.0
Pyrene	CRY	Ave	9895 915147	49993 1347521	102913 1917546	188522	440941	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Butyl benzyl phthalate	CRY	Ave		23951	45889	77226	200170		2.50	5.00	10.0	20.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 750893

SDG No.:

Instrument ID: HP5973X | GC Column: RXI-5Sil M ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/03/2025 14:28 | Calibration End Date: 07/03/2025 17:19 | Calibration ID: 48503

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			423174	643236	901668			40.0	60.0	80.0		
3,3'-Dichlorobenzidine	CRY	Ave	774785	43306 1215581	86570 1753194	156363	380284	80.0	5.00 120	10.0 160	20.0	40.0
Benzo[a]anthracene	CRY	Ave	10437 872088	52870 1376038	104781 1923254	185119	425848	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	609189	29651 914545	78096 1324081	117471	302076	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Chrysene	CRY	Lin2	12278 869831	54819 1291326	95862 1899165	173240	420761	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Di-n-octyl phthalate	CRY	Ave	1003495	51850 1519567	111891 2186840	198271	482735	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Benzo[b]fluoranthene	PRY	Lin2	7967 937879	50686 1544984	95945 2047874	158330	474091	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Benzo[k]fluoranthene	PRY	Lin2	12958 1026656	60021 1458158	136236 2156247	219923	468726	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Benzo[a]pyrene	PRY	Ave	10562 901098	50323 1338701	103067 1955528	184763	430377	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	12619 1187110	69297 1821905	134823 2633110	228033	558211	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Dibenz(a,h)anthracene	PRY	Lin2	12019 955827	58497 1451707	107478 2131123	190242	439942	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Benzo[g,h,i]perylene	PRY	Ave	10417 894984	51078 1396449	106393 1997398	175967	426909	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
2-Fluorophenol (Surr)	DCBd4	Lin2	236668	11627 361769	26940 499822	47989	123901	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Phenol-d5 (Surr)	DCBd4	Lin2	329938	16179 474759	36057 659744	61603	162172	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Nitrobenzene-d5 (Surr)	NPT	Ave	363232	21431 536791	46192 773242	79606	180150	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2-Fluorobiphenyl (Surr)	ANT	Ave	500515	28332 737631	60904 1060791	108860	236804	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2,4,6-Tribromophenol (Surr)	PHN	Ave	102742	5400 150864	11469 216173	19020	45816	40.0	2.50 60.0	5.00 80.0	10.0	20.0
p-Terphenyl-d14 (Surr)	CRY	Ave	691301	39255 1075398	77582 1559189	154294	352796	40.0	2.50 60.0	5.00 80.0	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 750893

SDG No.:

Instrument ID: HP5973X | GC Column: RXI-5Sil MS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/03/2025 14:28 | Calibration End Date: 07/03/2025 17:19 | Calibration ID: 48503

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-750893/3	X000000364180.d
Level 2	IC 480-750893/4	X000000364181.d
Level 3	IC 480-750893/5	X000000364182.d
Level 4	IC 480-750893/6	X000000364183.d
Level 5	IC 480-750893/7	X000000364184.d
Level 6	ICIS 480-750893/8	X000000364185.d
Level 7	IC 480-750893/9	X000000364186.d
Level 8	IC 480-750893/10	X000000364187.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dioxane	-18.8 -3.9	21.2 3.3	8.5	-2.9	-3.8	-3.6	30 30	30 30	30	30	30	30
N-Nitrosodimethylamine	 -1.2	4.6 5.1	-10.4	2.7	-1.5	0.8	 30	30 30	30	30	30	30
Pyridine	 -0.6	3.9 -0.8	-10.9	5.7	0.1	2.7	 30	30 30	30	30	30	30
Benzaldehyde	 -32.9 *	1.0 +++++	16.9	21.8	9.7	-16.4	 30	30	30	30	30	30
Aniline	 0.2	2.2 -0.5	-6.6	5.1	-1.9	1.6	 30	30 30	30	30	30	30
Phenol	 2.9	-3.0 5.6	-2.0	-5.2	-1.2	2.8	 30	30 30	30	30	30	30
Bis(2-chloroethyl)ether	 -1.1	1.9 -0.4	0.5	3.1	-4.7	0.6	 30	30 30	30	30	30	30
2-Chlorophenol	 -0.9	-4.0 0.1	8.9	1.4	-6.3	0.8	 30	30 30	30	30	30	30
n-Decane	 -0.6	1.1 1.4	-4.7	2.1	-3.8	4.5	 30	30 30	30	30	30	30
1,3-Dichlorobenzene	 -3.2	10.3 -0.4	-3.7	-2.5	-2.5	2.0	 30	30 30	30	30	30	30
1,4-Dichlorobenzene	 -2.4	3.9 0.9	-7.1	2.6	-0.9	3.1	 30	30 30	30	30	30	30
Benzyl alcohol	 -1.7	5.1 1.6	-12.0	3.9	-3.4	6.5	 30	30 30	30	30	30	30
1,2-Dichlorobenzene	 0.4	5.0 3.4	-6.9	-2.0	-1.1	1.2	 30	30 30	30	30	30	30
Indene	 -4.5	-4.4 -8.9	5.7	6.4	1.3	4.3	 30	30 30	30	30	30	30
2-Methylphenol	 -5.1	-3.3 1.9	5.3	5.6	-5.5	1.1	 30	30 30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 750893

SDG No.:

Instrument ID: HP5973X | GC Column: RXI-5Sil MS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/03/2025 14:28 | Calibration End Date: 07/03/2025 17:19 | Calibration ID: 48503

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
bis (2-chloroisopropyl) ether	2.5	4.9 3.7	-10.1	1.3	-4.0	1.6	30	30 30	30	30	30	30
Acetophenone	-2.0	-1.2 -0.8	0.1	6.2	-1.9	-0.4	30	30 30	30	30	30	30
N-Nitrosodi-n-propylamine	-0.1	4.4 4.8	1.1	-5.2	-6.9	2.0	30	30 30	30	30	30	30
4-Methylphenol	0.7	1.0 4.1	-7.7	3.2	-0.6	-0.7	30	30 30	30	30	30	30
Hexachloroethane	0.2	-4.9 0.3	2.9	5.0	-4.4	0.9	30	30 30	30	30	30	30
Nitrobenzene	2.3	3.9 0.8	-7.9	1.4	-5.7	5.2	30	30 30	30	30	30	30
Isophorone	-1.2	-4.6 -2.9	7.5	-1.2	-1.9	4.2	30	30 30	30	30	30	30
2-Nitrophenol	2.6	3.1 3.0	-4.4	-2.9	-5.0	3.6	30	30 30	30	30	30	30
2,4-Dimethylphenol	-1.3	-2.0 0.5	-2.5	0.7	-0.2	4.8	30	30 30	30	30	30	30
Bis(2-chloroethoxy)methane	-0.8	-1.0 0.7	0.5	-3.3	0.5	3.4	30	30 30	30	30	30	30
2,4-Dichlorophenol	-0.3	10.0 1.0	1.4	-12.5	-5.3	5.7	30	30 30	30	30	30	30
Benzoic acid	3.3	4.0 5.6	-2.2	-11.5	-5.9	6.7	30	30 30	30	30	30	30
1,2,4-Trichlorobenzene	-4.6	4.7 -2.2	4.8	-2.7	-3.5	3.5	30	30 30	30	30	30	30
Naphthalene	1.1 -1.7	3.9 -6.3	8.7	-2.1	-4.4	0.8	30 30	30 30	30	30	30	30
4-Chloroaniline	-2.6	1.5 -3.7	-2.8	-2.7	1.9	8.4	30	30 30	30	30	30	30
2,6-Dichlorophenol	-0.4	-2.0 -4.4	4.1	1.1	-4.7	6.3	30	30 30	30	30	30	30
Hexachlorobutadiene	-1.7	4.5 -3.6	-3.9	6.2	-2.5	1.0	30	30 30	30	30	30	30
Caprolactam	3.1	1.1 -2.1	1.7	-10.0	1.8	4.5	30	30 30	30	30	30	30
4-Chloro-3-methylphenol	-0.2	-0.7 3.1	-0.7	-9.5	3.5	4.4	30	30 30	30	30	30	30
2-Methylnaphthalene	-4.9 2.0	-7.1 1.8	3.9	1.0	-0.7	4.0	30 30	30 30	30	30	30	30
1-Methylnaphthalene	2.0 2.6	-5.9 3.8	-8.8	-1.1	0.9	6.6	30 30	30 30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 750893

SDG No.:

Instrument ID: HP5973X | GC Column: RXI-5Sil MS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/03/2025 14:28 | Calibration End Date: 07/03/2025 17:19 | Calibration ID: 48503

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Hexachlorocyclopentadiene	-4.1	+++++ 6.9	19.4	-9.4	-10.0	-2.8	30	30	30	30	30	30
1,2,4,5-Tetrachlorobenzene	-3.9	9.0 0.1	3.5	-3.0	-3.3	-2.5	30	30 30	30	30	30	30
2,4,6-Trichlorophenol	2.7	6.1 2.6	7.8	-13.4	-2.5	-3.4	30	30 30	30	30	30	30
2,4,5-Trichlorophenol	0.2	0.5 6.5	4.7	-11.3	-3.2	2.6	30	30 30	30	30	30	30
Biphenyl	-0.5	-2.7 2.0	4.9	-2.5	-1.1	-0.2	30	30 30	30	30	30	30
2-Chloronaphthalene	-3.5	-4.1 -1.4	7.9	1.4	-0.1	-0.1	30	30 30	30	30	30	30
2-Nitroaniline	3.8	-4.2 5.7	-2.4	-5.3	-3.1	5.5	30	30 30	30	30	30	30
Dimethyl phthalate	-1.1	7.9 2.5	-4.7	-2.7	-2.1	0.2	30	30 30	30	30	30	30
1,3-Dinitrobenzene	13.5	-6.8 13.9	-9.1	-18.5	-2.8	9.8	30	30 30	30	30	30	30
2,6-Dinitrotoluene	2.1	4.1 2.9	-4.8	-10.1	4.8	1.0	30	30 30	30	30	30	30
Acenaphthylene	0.8 -3.0	-8.1 0.2	8.6	0.0	0.0	1.5	30 30	30 30	30	30	30	30
3-Nitroaniline	1.2	0.0 0.3	10.3	-18.0	10.8	-4.4	30	30 30	30	30	30	30
Acenaphthene	0.5 -0.5	-5.1 3.0	6.0	-1.1	-4.4	1.5	30 30	30 30	30	30	30	30
2,4-Dinitrophenol	0.3	28.8 5.0	0.1	-22.7	-9.9	-1.8	30	30 30	30	30	30	30
4-Nitrophenol	-2.7	-4.3 -0.7	11.7	-5.8	-0.9	2.8	30	30 30	30	30	30	30
Dibenzofuran	-2.3 -2.0	10.9 -0.5	6.3	-8.1	-4.1	-0.2	30 30	30 30	30	30	30	30
2,4-Dinitrotoluene	-0.3	3.1 5.3	-3.0	-9.6	5.3	-0.8	30	30 30	30	30	30	30
2,3,4,6-Tetrachlorophenol	0.2	1.2 7.4	3.2	-10.6	-4.9	3.6	30	30 30	30	30	30	30
Diethyl phthalate	2.6	-3.4 0.4	9.7	-4.5	-2.3	-2.5	30	30 30	30	30	30	30
Hexadecane	-1.7	-1.6 -0.1	5.5	-5.9	3.2	0.7	30	30 30	30	30	30	30
Fluorene	-2.2 1.1	-16.1 2.7	12.2	0.1	-0.3	2.5	30 30	30 30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 750893

SDG No.:

Instrument ID: HP5973X | GC Column: RXI-5Sil MS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/03/2025 14:28 | Calibration End Date: 07/03/2025 17:19 | Calibration ID: 48503

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
4-Chlorophenyl phenyl ether	-2.5	-1.7 -0.1	2.4	3.1	-2.1	0.9	30	30 30	30	30	30	30
4-Nitroaniline	-1.0	-3.2 0.6	7.5	-1.0	-2.3	-0.7	30	30 30	30	30	30	30
4,6-Dinitro-2-methylphenol	6.4	6.4 4.6	-7.7	-11.7	-3.5	5.5	30	30 30	30	30	30	30
Diphenylamine	1.0	-7.5 0.6	2.3	1.4	2.3	-0.1	30	30 30	30	30	30	30
N-Nitrosodiphenylamine	1.0	-7.5 0.6	2.3	1.4	2.3	-0.1	30	30 30	30	30	30	30
1,2-Diphenylhydrazine	-3.1	3.9 -3.7	1.4	-0.3	-2.1	4.0	30	30 30	30	30	30	30
trans-Azobenzene	-3.1	3.9 -3.7	1.4	-0.3	-2.1	4.0	30	30 30	30	30	30	30
4-Bromophenyl phenyl ether	-3.3	-0.4 4.7	5.2	-8.7	-2.4	4.9	30	30 30	30	30	30	30
Hexachlorobenzene	-0.3	4.0 3.2	-12.4	10.4	-3.2	-1.8	30	30 30	30	30	30	30
Atrazine	-1.1	2.4 -4.6	11.8	-9.1	1.8	-1.2	30	30 30	30	30	30	30
Pentachlorophenol	5.0	2.8 4.5	0.1	-9.6	-9.5	6.8	30	30 30	30	30	30	30
n-Octadecane	-1.6	0.0 2.2	-0.8	3.3	-4.0	0.9	30	30 30	30	30	30	30
Phenanthrene	-2.4 -5.0	11.4 -1.5	5.1	-4.0	-5.0	1.5	30 30	30 30	30	30	30	30
Anthracene	-1.4 -1.4	6.0 -0.8	4.4	-2.6	-4.6	0.2	30 30	30 30	30	30	30	30
Carbazole	-1.6	-2.2 0.7	3.3	-0.7	-3.3	3.8	30	30 30	30	30	30	30
Di-n-butyl phthalate	0.5	1.9 -0.3	-2.2	-2.4	-1.6	4.1	30	30 30	30	30	30	30
Fluoranthene	-4.0 2.8	-2.6 0.0	0.6	1.6	-1.0	2.6	30 30	30 30	30	30	30	30
Benzidine	-13.1	0.9 -18.9	9.2	12.7	10.6	-1.3	30	30 30	30	30	30	30
Pyrene	-0.7 -2.1	0.5 -4.7	-0.4	2.4	0.5	4.6	30 30	30 30	30	30	30	30
Butyl benzyl phthalate	2.2	5.3 -2.0	-2.9	-8.3	-0.2	5.8	30	30 30	30	30	30	30
3,3'-Dichlorobenzidine	2.0	0.5 0.6	-3.3	-2.0	0.0	2.2	30	30 30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 750893

SDG No.:

Instrument ID: HP5973X | GC Column: RXI-5Sil MS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/03/2025 14:28 | Calibration End Date: 07/03/2025 17:19 | Calibration ID: 48503

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Benzo[a]anthracene	4.0 -0.7	5.6 -5.0	0.7	-0.1	-3.6	-1.0	30 30	30 30	30	30	30	30
Bis(2-ethylhexyl) phthalate	 -1.0	-11.2 -1.9	12.6	-4.9	2.6	3.8	 30	30 30	30	30	30	30
Chrysene	-1.2 -1.9	9.5 -1.2	-5.8	-2.9	-0.3	3.8	30 30	30 30	30	30	30	30
Di-n-octyl phthalate	 1.2	-4.5 -0.4	-0.8	-1.3	0.8	5.1	 30	30 30	30	30	30	30
Benzo[b]fluoranthene	0.6 6.1	2.9 2.1	-5.8	-16.3	4.9	5.6	30 30	30 30	30	30	30	30
Benzo[k]fluoranthene	-1.8 -10.3	1.7 -3.6	15.8	2.4	-7.7	3.4	30 30	30 30	30	30	30	30
Benzo[a]pyrene	3.8 -5.7	0.0 0.1	1.4	-1.0	-2.7	4.0	30 30	30 30	30	30	30	30
Indeno[1,2,3-cd]pyrene	-4.8 -1.5	5.7 3.4	1.7	-6.3	-3.2	5.1	30 30	30 30	30	30	30	30
Dibenz(a,h)anthracene	-1.1 -3.1	7.6 3.3	-1.1	-4.0	-6.0	4.4	30 30	30 30	30	30	30	30
Benzo[g,h,i]perylene	2.0 -2.0	1.1 1.8	4.2	-6.1	-3.9	2.9	30 30	30 30	30	30	30	30
2-Fluorophenol (Surr)	 1.7	2.5 0.9	-4.4	-2.2	0.8	0.7	 30	30 30	30	30	30	30
Phenol-d5 (Surr)	 0.8	3.5 0.7	-4.9	-5.6	-0.5	6.0	 30	30 30	30	30	30	30
Nitrobenzene-d5 (Surr)	 -2.1	-0.2 -1.7	3.3	-0.6	-2.4	3.6	 30	30 30	30	30	30	30
2-Fluorobiphenyl (Surr)	 -1.6	-2.1 0.8	5.9	-0.1	-4.4	1.6	 30	30 30	30	30	30	30
2,4,6-Tribromophenol (Surr)	 1.8	1.2 3.8	0.6	-7.2	-7.1	7.0	 30	30 30	30	30	30	30
p-Terphenyl-d14 (Surr)	 -1.1	-0.1 -1.9	-4.9	6.1	1.8	0.0	 30	30 30	30	30	30	30

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID (1): ICIS 480-750893/8 Instrument ID (1): HP5973X

GC Column (1): RXI-5Sil MS ID: 0.25(mm) Date Analyzed (1): 07/03/2025 16:30

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	14.06	30.10



<50%



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID (1): CCVIS 480-751756/3 Instrument ID (1): HP5973X

GC Column (1): RXI-5Sil MS ID: 0.25(mm) Date Analyzed (1): 07/15/2025 16:35

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	14.08	34.40





FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID (1): CCVIS 480-752098/3 Instrument ID (1): HP5973X

GC Column (1): RXI-5Sil MS ID: 0.25(mm) Date Analyzed (1): 07/18/2025 11:21

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	14.04	35.10























FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 480-750893/11 | Calibration Date: 07/03/2025 17:43

Instrument ID: HP5973X | Calib Start Date: 07/03/2025 14:28

GC Column: RXI-5Sil MS ID: 0.25(mm) | Calib End Date: 07/03/2025 17:19

Lab File ID: X000000364188.d | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6981	0.6770	0.0100	38800	40000	-3.0	30.0
N-Nitrosodimethylamine	Lin2		1.095	0.0100	38300	40000	-4.4	50.0
Pyridine	Lin2		1.043	0.0100	72100	80000	-9.9	50.0
Benzaldehyde	Ave	1.592	1.329	0.0100	33400	40000	-16.5	50.0
Aniline	Lin2		2.242	0.0100	35600	40000	-11.1	30.0
Phenol	Ave	2.081	2.091	0.8000	40200	40000	0.5	30.0
Bis(2-chloroethyl)ether	Ave	1.524	1.438	0.7000	37800	40000	-5.6	30.0
2-Chlorophenol	Lin2		1.215	0.8000	38000	40000	-5.0	30.0
n-Decane	Ave	1.643	1.583	0.0100	38500	40000	-3.7	30.0
1,3-Dichlorobenzene	Ave	1.493	1.425	0.0100	38200	40000	-4.6	30.0
1,4-Dichlorobenzene	Ave	1.490	1.505	0.0100	40400	40000	1.0	30.0
Benzyl alcohol	Lin2		0.9575	0.0100	39200	40000	-2.1	30.0
1,2-Dichlorobenzene	Ave	1.428	1.425	0.0100	39900	40000	-0.2	30.0
Indene	Lin2		0.6418	0.0100	245000	240000	2.1	30.0
2-Methylphenol	Lin2		1.257	0.7000	35500	40000	-11.2	30.0
bis (2-chloroisopropyl) ether	Lin2		1.421	0.0100	38700	40000	-3.3	30.0
Acetophenone	Lin2		2.169	0.0100	37700	40000	-5.8	30.0
N-Nitrosodi-n-propylamine	Ave	1.347	1.252	0.5000	37200	40000	-7.0	30.0
4-Methylphenol	Ave	1.450	1.321	0.6000	36500	40000	-8.9	30.0
Hexachloroethane	Ave	0.7557	0.7198	0.3000	38100	40000	-4.8	30.0
Nitrobenzene	Lin2		0.5465	0.2000	38800	40000	-3.1	30.0
Isophorone	Ave	0.9908	0.9493	0.4000	38300	40000	-4.2	30.0
2-Nitrophenol	Lin2		0.1823	0.1000	40100	40000	0.3	30.0
2,4-Dimethylphenol	Ave	0.4873	0.4865	0.2000	39900	40000	-0.1	30.0
Bis(2-chloroethoxy)methane	Ave	0.4986	0.5138	0.3000	41200	40000	3.0	30.0
2,4-Dichlorophenol	Ave	0.3111	0.3025	0.2000	38900	40000	-2.8	30.0
Benzoic acid	Lin2		0.3407	0.0100	233000	240000	-3.1	50.0
1,2,4-Trichlorobenzene	Ave	0.3687	0.3709	0.0100	40200	40000	0.6	30.0
Naphthalene	Ave	1.026	0.9925	0.7000	38700	40000	-3.3	30.0
4-Chloroaniline	Lin2		0.3921	0.0100	39100	40000	-2.4	30.0
2,6-Dichlorophenol	Lin2		0.3122	0.0100	39700	40000	-0.8	30.0
Hexachlorobutadiene	Ave	0.2864	0.2890	0.0100	40400	40000	0.9	30.0
Caprolactam	Lin2		0.1357	0.0100	34000	40000	-15.1	50.0
4-Chloro-3-methylphenol	Ave	0.3955	0.4045	0.2000	40900	40000	2.3	30.0
2-Methylnaphthalene	Ave	0.6062	0.6532	0.4000	43100	40000	7.7	30.0
1-Methylnaphthalene	Lin2		0.6016	0.0100	40000	40000	-0.0	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6681	0.6444	0.0100	38600	40000	-3.6	30.0
Hexachlorocyclopentadiene	Lin1		0.4353	0.0500	40500	40000	1.2	30.0
2,4,6-Trichlorophenol	Ave	0.3794	0.3875	0.2000	40900	40000	2.1	30.0
2,4,5-Trichlorophenol	Lin2		0.4157	0.2000	40700	40000	1.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 480-750893/11 Calibration Date: 07/03/2025 17:43

Instrument ID: HP5973X Calib Start Date: 07/03/2025 14:28

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 07/03/2025 17:19

Lab File ID: X000000364188.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.458	1.477	0.0100	40500	40000	1.3	30.0
2-Chloronaphthalene	Lin2		1.120	0.8000	39600	40000	-1.1	30.0
2-Nitroaniline	Ave	0.4949	0.5002	0.0100	40400	40000	1.1	30.0
Dimethyl phthalate	Ave	1.390	1.334	0.0100	38400	40000	-4.0	30.0
1,3-Dinitrobenzene	Ave	0.1189	0.1290	0.0100	43400	40000	8.5	30.0
2,6-Dinitrotoluene	Lin2		0.2924	0.2000	37800	40000	-5.4	30.0
Acenaphthylene	Lin2		1.650	0.9000	38700	40000	-3.3	30.0
3-Nitroaniline	Lin1		0.2968	0.0100	39300	40000	-1.7	30.0
Acenaphthene	Lin2		1.187	0.9000	41400	40000	3.4	30.0
2,4-Dinitrophenol	Lin1		0.1943	0.0100	80200	80000	0.2	30.0
4-Nitrophenol	Lin2		0.2786	0.0100	73700	80000	-7.9	30.0
Dibenzofuran	Lin2		1.565	0.8000	38900	40000	-2.8	30.0
2,4-Dinitrotoluene	Lin2		0.4317	0.2000	38900	40000	-2.6	30.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3416	0.0100	39700	40000	-0.8	30.0
Diethyl phthalate	Lin2		1.390	0.0100	39200	40000	-2.1	30.0
Hexadecane	Lin2		0.8771	0.0100	39300	40000	-1.7	30.0
Fluorene	Ave	1.304	1.275	0.9000	39100	40000	-2.2	30.0
4-Chlorophenyl phenyl ether	Lin2		0.7141	0.4000	39100	40000	-2.2	30.0
4-Nitroaniline	Lin2		0.2847	0.0100	37800	40000	-5.5	30.0
4,6-Dinitro-2-methylphenol	Lin2		0.1390	0.0100	75700	80000	-5.4	30.0
Diphenylamine	Ave	0.5583	0.5593	0.0100	34300	34200	0.2	30.0
N-Nitrosodiphenylamine	Ave	0.4773	0.4782	0.0100	40100	40000	0.2	30.0
1,2-Diphenylhydrazine	Ave	0.9835	0.9881	0.0100	40200	40000	0.5	30.0
trans-Azobenzene	Ave	0.9835	0.9881	0.0100	40200	40000	0.5	30.0
4-Bromophenyl phenyl ether	Lin2		0.2232	0.1000	41600	40000	4.0	30.0
Hexachlorobenzene	Lin2		0.2403	0.1000	38600	40000	-3.5	30.0
Atrazine	Ave	0.5976	0.5378	0.0100	36000	40000	-10.0	30.0
Pentachlorophenol	Lin2		0.1461	0.0500	77300	80000	-3.4	50.0
n-Octadecane	Lin2		0.4712	0.0100	40100	40000	0.2	30.0
Phenanthrene	Lin2		1.018	0.7000	39700	40000	-0.8	30.0
Anthracene	Lin2		1.042	0.7000	39000	40000	-2.6	30.0
Carbazole	Ave	0.8574	0.8378	0.0100	39100	40000	-2.3	30.0
Di-n-butyl phthalate	Ave	1.166	1.148	0.0100	39400	40000	-1.6	30.0
Fluoranthene	Ave	1.158	1.203	0.6000	41600	40000	3.9	30.0
Benzidine	Ave	0.7419	0.5485	0.0100	59200	80000	-26.1	50.0
Pyrene	Ave	1.200	1.202	0.6000	40100	40000	0.2	30.0
Butyl benzyl phthalate	Ave	0.5484	0.5424	0.0100	39600	40000	-1.1	30.0
3,3'-Dichlorobenzidine	Ave	0.5196	0.4545	0.0100	70000	80000	-12.5	50.0
Benzo[a]anthracene	Ave	1.207	1.198	0.8000	39700	40000	-0.8	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.8049	0.8107	0.0100	40300	40000	0.7	30.0
Chrysene	Lin2		1.128	0.7000	39300	40000	-1.9	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 480-750893/11 Calibration Date: 07/03/2025 17:43

Instrument ID: HP5973X Calib Start Date: 07/03/2025 14:28

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 07/03/2025 17:19

Lab File ID: X000000364188.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	1.309	1.354	0.0100	41400	40000	3.4	30.0
Benzo[b]fluoranthene	Lin2		1.019	0.7000	• 38500	40000	-3.7	30.0
Benzo[k]fluoranthene	Lin2		1.165	0.7000	39400	40000	-1.5	30.0
Benzo[a]pyrene	Ave	1.032	1.003	0.7000	• 38900	40000	-2.8	30.0
Dibenz(a,h)anthracene	Lin2		1.031	0.4000	37800	40000	-5.5	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.346	1.246	0.5000	37000	40000	-7.4	30.0
Benzo[g,h,i]perylene	Ave	1.036	1.048	0.5000	40400	40000	1.1	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVIS 480-751756/3 Calibration Date: 07/15/2025 16:35

Instrument ID: HP5973X Calib Start Date: 07/03/2025 14:28

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 07/03/2025 17:19

Lab File ID: X000000364421.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D (20)
1,4-Dioxane	Ave	0.6981	0.5405	0.0100	31000	40000	-22.6*	20.0
N-Nitrosodimethylamine	Lin2		0.7410	0.0100	25900	40000	-35.1	50.0
Pyridine	Lin2		0.8130	0.0100	55800	80000	-30.3	50.0
Benzaldehyde	Ave	1.592	1.109	0.0100	27900	40000	-30.3	50.0
Aniline	Lin2		2.124	0.0100	33700	40000	-15.7	20.0
Phenol	Ave	2.081	1.795	0.8000	34500	40000	-13.8	20.0
Bis(2-chloroethyl)ether	Ave	1.524	1.365	0.7000	35800	40000	-10.4	20.0
2-Chlorophenol	Lin2		1.239	0.8000	38700	40000	-3.2	20.0
n-Decane	Ave	1.643	1.237	0.0100	30100	40000	-24.7*	20.0
1,3-Dichlorobenzene	Ave	1.493	1.380	0.0100	37000	40000	-7.6	20.0
1,4-Dichlorobenzene	Ave	1.490	1.399	0.0100	37600	40000	-6.1	20.0
Benzyl alcohol	Lin2		0.8949	0.0100	36700	40000	-8.3	20.0
1,2-Dichlorobenzene	Ave	1.428	1.387	0.0100	38900	40000	-2.8	20.0
Indene	Lin2		0.5954	0.0100	227000	240000	-5.4	20.0
2-Methylphenol	Lin2		1.272	0.7000	35900	40000	-10.2	20.0
bis (2-chloroisopropyl) ether	Lin2		1.123	0.0100	30500	40000	-23.7*	20.0
Acetophenone	Lin2		2.022	0.0100	35200	40000	-12.1	20.0
N-Nitrosodi-n-propylamine	Ave	1.347	1.121	0.5000	33300	40000	-16.8	20.0
4-Methylphenol	Ave	1.450	1.208	0.6000	33300	40000	-16.7	20.0
Hexachloroethane	Ave	0.7557	0.6202	0.3000	32800	40000	-17.9	20.0
Nitrobenzene	Lin2		0.5042	0.2000	35700	40000	-10.7	20.0
Isophorone	Ave	0.9908	0.8798	0.4000	35500	40000	-11.2	20.0
2-Nitrophenol	Lin2		0.1856	0.1000	40800	40000	2.1	20.0
2,4-Dimethylphenol	Ave	0.4873	0.4570	0.2000	37500	40000	-6.2	20.0
Bis(2-chloroethoxy)methane	Ave	0.4986	0.4653	0.3000	37300	40000	-6.7	20.0
2,4-Dichlorophenol	Ave	0.3111	0.3159	0.2000	40600	40000	1.6	20.0
Benzoic acid	Lin2		0.3398	0.0100	232000	240000	-3.3	50.0
1,2,4-Trichlorobenzene	Ave	0.3687	0.3903	0.0100	42300	40000	5.9	20.0
Naphthalene	Ave	1.026	1.009	0.7000	39300	40000	-1.7	20.0
4-Chloroaniline	Lin2		0.4297	0.0100	42800	40000	6.9	20.0
2,6-Dichlorophenol	Lin2		0.3346	0.0100	42500	40000	6.3	20.0
Hexachlorobutadiene	Ave	0.2864	0.3060	0.0100	42700	40000	6.8	20.0
Caprolactam	Lin2		0.1481	0.0100	37000	40000	-7.5	50.0
4-Chloro-3-methylphenol	Ave	0.3955	0.3833	0.2000	38800	40000	-3.1	20.0
2-Methylnaphthalene	Ave	0.6062	0.6549	0.4000	43200	40000	8.0	20.0
1-Methylnaphthalene	Lin2		0.6800	0.0100	45200	40000	13.1	20.0
Hexachlorocyclopentadiene	Lin1		0.3885	0.0500	36500	40000	-8.7	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6681	0.7073	0.0100	42300	40000	5.9	20.0
2,4,6-Trichlorophenol	Ave	0.3794	0.4040	0.2000	42600	40000	6.5	20.0
2,4,5-Trichlorophenol	Lin2		0.4621	0.2000	45200	40000	12.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVIS 480-751756/3 | Calibration Date: 07/15/2025 16:35

Instrument ID: HP5973X | Calib Start Date: 07/03/2025 14:28

GC Column: RXI-5Sil MS ID: 0.25(mm) | Calib End Date: 07/03/2025 17:19

Lab File ID: X000000364421.d | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.458	1.468	0.0100	40300	40000	0.7	20.0
2-Chloronaphthalene	Lin2		1.148	0.8000	40500	40000	1.3	20.0
2-Nitroaniline	Ave	0.4949	0.3912	0.0100	31600	40000	-20.9*	20.0
Dimethyl phthalate	Ave	1.390	1.406	0.0100	40500	40000	1.1	20.0
1,3-Dinitrobenzene	Ave	0.1189	0.1399	0.0100	47100	40000	17.7	20.0
2,6-Dinitrotoluene	Lin2		0.3135	0.2000	40500	40000	1.3	20.0
Acenaphthylene	Lin2		1.703	0.9000	39900	40000	-0.2	20.0
3-Nitroaniline	Lin1		0.2978	0.0100	39500	40000	-1.3	20.0
Acenaphthene	Lin2		1.190	0.9000	41400	40000	3.6	20.0
2,4-Dinitrophenol	Lin1		0.1702	0.0100	70800	80000	-11.5	20.0
4-Nitrophenol	Lin2		0.2032	0.0100	54400	80000	-32.0*	20.0
Dibenzofuran	Lin2		1.626	0.8000	40400	40000	1.0	20.0
2,4-Dinitrotoluene	Lin2		0.4317	0.2000	39000	40000	-2.6	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3964	0.0100	46000	40000	15.0	20.0
Diethyl phthalate	Lin2		1.299	0.0100	36600	40000	-8.4	20.0
Hexadecane	Lin2		0.7264	0.0100	32500	40000	-18.7	20.0
Fluorene	Ave	1.304	1.324	0.9000	40600	40000	1.5	20.0
4-Chlorophenyl phenyl ether	Lin2		0.7412	0.4000	40600	40000	1.5	20.0
4-Nitroaniline	Lin2		0.2699	0.0100	35900	40000	-10.3	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1414	0.0100	77000	80000	-3.8	20.0
Diphenylamine	Ave	0.5583	0.5526	0.0100	33900	34200	-1.0	20.0
N-Nitrosodiphenylamine	Ave	0.4773	0.4725	0.0100	39600	40000	-1.0	20.0
1,2-Diphenylhydrazine	Ave	0.9835	0.7602	0.0100	30900	40000	-22.7*	20.0
trans-Azobenzene	Ave	0.9835	0.7602	0.0100	30900	40000	-22.7*	20.0
4-Bromophenyl phenyl ether	Lin2		0.2335	0.1000	43500	40000	8.8	20.0
Hexachlorobenzene	Lin2		0.2708	0.1000	43600	40000	9.0	20.0
Atrazine	Ave	0.5976	0.6324	0.0100	42300	40000	5.8	20.0
Pentachlorophenol	Lin2		0.1432	0.0500	75800	80000	-5.2	50.0
n-Octadecane	Lin2		0.3668	0.0100	31100	40000	-22.2*	20.0
Phenanthrene	Lin2		1.022	0.7000	39800	40000	-0.4	20.0
Anthracene	Lin2		1.066	0.7000	39900	40000	-0.3	20.0
Carbazole	Ave	0.8574	0.8635	0.0100	40300	40000	0.7	20.0
Di-n-butyl phthalate	Ave	1.166	1.100	0.0100	37700	40000	-5.7	20.0
Fluoranthene	Ave	1.158	1.279	0.6000	44200	40000	10.5	20.0
Benzidine	Ave	0.7419	0.6652	0.0100	71700	80000	-10.3	50.0
Pyrene	Ave	1.200	1.188	0.6000	39600	40000	-1.0	20.0
Butyl benzyl phthalate	Ave	0.5484	0.4935	0.0100	36000	40000	-10.0	20.0
3,3'-Dichlorobenzidine	Ave	0.5196	0.5420	0.0100	83400	80000	4.3	50.0
Benzo[a]anthracene	Ave	1.207	1.192	0.8000	39500	40000	-1.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8049	0.7312	0.0100	36300	40000	-9.2	20.0
Chrysene	Lin2		1.181	0.7000	41100	40000	2.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVIS 480-751756/3 Calibration Date: 07/15/2025 16:35

Instrument ID: HP5973X Calib Start Date: 07/03/2025 14:28

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 07/03/2025 17:19

Lab File ID: X000000364421.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	1.309	1.211	0.0100	37000	40000	-7.5	20.0
Benzo[b]fluoranthene	Lin2		1.110	0.7000	41900	40000	4.9	20.0
Benzo[k]fluoranthene	Lin2		1.139	0.7000	38500	40000	-3.7	20.0
Benzo[a]pyrene	Ave	1.032	1.024	0.7000	39700	40000	-0.8	20.0
Dibenz(a,h)anthracene	Lin2		1.161	0.4000	42600	40000	6.5	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.346	1.388	0.5000	41200	40000	3.1	20.0
Benzo[g,h,i]perylene	Ave	1.036	1.083	0.5000	41800	40000	4.5	20.0
2-Fluorophenol (Surr)	Lin2		1.202	0.0100	34700	40000	-13.4	20.0
Phenol-d5 (Surr)	Lin2		1.632	0.0100	35500	40000	-11.2	20.0
Nitrobenzene-d5 (Surr)	Ave	0.5847	0.5270	0.0100	36100	40000	-9.9	20.0
2-Fluorobiphenyl (Surr)	Ave	1.326	1.350	0.0100	40700	40000	1.8	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1331	0.1402	0.0100	42100	40000	5.3	20.0
p-Terphenyl-d14 (Surr)	Ave	0.9474	0.9740	0.0100	41100	40000	2.8	20.0

highlighted values >20, sensitivity decrease - not bracketing field samples - no qual



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVIS 480-752098/3 Calibration Date: 07/18/2025 11:21

Instrument ID: HP5973X Calib Start Date: 07/03/2025 14:28

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 07/03/2025 17:19

Lab File ID: X000000364536.d Conc. Units: ug/L

20

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6981	0.7201	0.0100	41300	40000	3.1	20.0
N-Nitrosodimethylamine	Lin2		1.044	0.0100	36500	40000	-8.8	50.0
Pyridine	Lin2		1.163	0.0100	80600	80000	0.8	50.0
Benzaldehyde	Ave	1.592	1.401	0.0100	35200	40000	-12.0	50.0
Aniline	Lin2		2.594	0.0100	41100	40000	2.7	20.0
Phenol	Ave	2.081	2.320	0.8000	44600	40000	11.5	20.0
Bis(2-chloroethyl)ether	Ave	1.524	1.585	0.7000	41600	40000	4.0	20.0
2-Chlorophenol	Lin2		1.232	0.8000	38500	40000	-3.7	20.0
n-Decane	Ave	1.643	1.761	0.0100	42900	40000	7.2	20.0
1,3-Dichlorobenzene	Ave	1.493	1.503	0.0100	40300	40000	0.7	20.0
1,4-Dichlorobenzene	Ave	1.490	1.577	0.0100	42300	40000	5.8	20.0
Benzyl alcohol	Lin2		1.057	0.0100	43100	40000	7.9	20.0
1,2-Dichlorobenzene	Ave	1.428	1.408	0.0100	39500	40000	-1.4	20.0
Indene	Lin2		0.6247	0.0100	238000	240000	-0.6	20.0
2-Methylphenol	Lin2		1.453	0.7000	41000	40000	2.5	20.0
bis (2-chloroisopropyl) ether	Lin2		1.750	0.0100	47700	40000	19.3	20.0
Acetophenone	Lin2		2.433	0.0100	42200	40000	5.5	20.0
N-Nitrosodi-n-propylamine	Ave	1.347	1.536	0.5000	45600	40000	14.1	20.0
4-Methylphenol	Ave	1.450	1.503	0.6000	41500	40000	3.7	20.0
Hexachloroethane	Ave	0.7557	0.7710	0.3000	40800	40000	2.0	20.0
Nitrobenzene	Lin2		0.6083	0.2000	43200	40000	8.0	20.0
Isophorone	Ave	0.9908	1.044	0.4000	42100	40000	5.3	20.0
2-Nitrophenol	Lin2		0.1795	0.1000	39500	40000	-1.2	20.0
2,4-Dimethylphenol	Ave	0.4873	0.5005	0.2000	41100	40000	2.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.4986	0.5136	0.3000	41200	40000	3.0	20.0
2,4-Dichlorophenol	Ave	0.3111	0.2909	0.2000	37400	40000	-6.5	20.0
Benzoic acid	Lin2		0.3782	0.0100	257000	240000	7.2	50.0
1,2,4-Trichlorobenzene	Ave	0.3687	0.3608	0.0100	39100	40000	-2.1	20.0
Naphthalene	Ave	1.026	0.9823	0.7000	38300	40000	-4.3	20.0
4-Chloroaniline	Lin2		0.4154	0.0100	41400	40000	3.4	20.0
2,6-Dichlorophenol	Lin2		0.2998	0.0100	38100	40000	-4.7	20.0
Hexachlorobutadiene	Ave	0.2864	0.2674	0.0100	37300	40000	-6.6	20.0
Caprolactam	Lin2		0.1486	0.0100	37100	40000	-7.2	50.0
4-Chloro-3-methylphenol	Ave	0.3955	0.4028	0.2000	40700	40000	1.9	20.0
2-Methylnaphthalene	Ave	0.6062	0.6223	0.4000	41100	40000	2.6	20.0
1-Methylnaphthalene	Lin2		0.6079	0.0100	40400	40000	1.0	20.0
Hexachlorocyclopentadiene	Lin1		0.3217	0.0500	30900	40000	-22.9*	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6681	0.6053	0.0100	36200	40000	-9.4	20.0
2,4,6-Trichlorophenol	Ave	0.3794	0.3711	0.2000	39100	40000	-2.2	20.0
2,4,5-Trichlorophenol	Lin2		0.4244	0.2000	41500	40000	3.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVIS 480-752098/3 | Calibration Date: 07/18/2025 11:21

Instrument ID: HP5973X | Calib Start Date: 07/03/2025 14:28

GC Column: RXI-5Sil MS ID: 0.25(mm) | Calib End Date: 07/03/2025 17:19

Lab File ID: X000000364536.d | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.458	1.476	0.0100	40500	40000	1.3	20.0
2-Chloronaphthalene	Lin2		1.119	0.8000	39500	40000	-1.1	20.0
2-Nitroaniline	Ave	0.4949	0.5761	0.0100	46600	40000	16.4	20.0
Dimethyl phthalate	Ave	1.390	1.413	0.0100	40700	40000	1.7	20.0
1,3-Dinitrobenzene	Ave	0.1189	0.1307	0.0100	44000	40000	9.9	20.0
2,6-Dinitrotoluene	Lin2		0.3119	0.2000	40300	40000	0.8	20.0
Acenaphthylene	Lin2		1.757	0.9000	41200	40000	2.9	20.0
3-Nitroaniline	Lin1		0.2970	0.0100	39400	40000	-1.6	20.0
Acenaphthene	Lin2		1.212	0.9000	42200	40000	5.5	20.0
2,4-Dinitrophenol	Lin1		0.1668	0.0100	69500	80000	-13.1	20.0
4-Nitrophenol	Lin2		0.3207	0.0100	84500	80000	5.6	20.0
Dibenzofuran	Lin2		1.598	0.8000	39700	40000	-0.8	20.0
2,4-Dinitrotoluene	Lin2		0.4394	0.2000	39600	40000	-0.9	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3391	0.0100	39400	40000	-1.5	20.0
Diethyl phthalate	Lin2		1.472	0.0100	41500	40000	3.7	20.0
Hexadecane	Lin2		0.9776	0.0100	43900	40000	9.7	20.0
Fluorene	Ave	1.304	1.314	0.9000	40300	40000	0.8	20.0
4-Chlorophenyl phenyl ether	Lin2		0.6753	0.4000	37000	40000	-7.4	20.0
4-Nitroaniline	Lin2		0.2856	0.0100	37900	40000	-5.2	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1433	0.0100	78000	80000	-2.5	20.0
Diphenylamine	Ave	0.5583	0.6017	0.0100	36900	34200	7.8	20.0
N-Nitrosodiphenylamine	Ave	0.4773	0.5145	0.0100	43100	40000	7.8	20.0
1,2-Diphenylhydrazine	Ave	0.9835	1.119	0.0100	45500	40000	13.8	20.0
trans-Azobenzene	Ave	0.9835	1.119	0.0100	45500	40000	13.8	20.0
4-Bromophenyl phenyl ether	Lin2		0.2216	0.1000	41300	40000	3.3	20.0
Hexachlorobenzene	Lin2		0.2364	0.1000	38000	40000	-5.1	20.0
Atrazine	Ave	0.5976	0.6138	0.0100	41100	40000	2.7	20.0
Pentachlorophenol	Lin2		0.1365	0.0500	72400	80000	-9.5	50.0
n-Octadecane	Lin2		0.5610	0.0100	47800	40000	19.5	20.0
Phenanthrene	Lin2		1.060	0.7000	41300	40000	3.3	20.0
Anthracene	Lin2		1.105	0.7000	41300	40000	3.4	20.0
Carbazole	Ave	0.8574	0.9236	0.0100	43100	40000	7.7	20.0
Di-n-butyl phthalate	Ave	1.166	1.293	0.0100	44300	40000	10.8	20.0
Fluoranthene	Ave	1.158	1.197	0.6000	41400	40000	3.4	20.0
Benzidine	Ave	0.7419	0.7418	0.0100	80000	80000	-0.0	50.0
Pyrene	Ave	1.200	1.340	0.6000	44700	40000	11.7	20.0
Butyl benzyl phthalate	Ave	0.5484	0.6632	0.0100	48400	40000	20.9*	20.0
3,3'-Dichlorobenzidine	Ave	0.5196	0.5593	0.0100	86100	80000	7.6	50.0
Benzo[a]anthracene	Ave	1.207	1.252	0.8000	41500	40000	3.7	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8049	0.9904	0.0100	49200	40000	23.0*	20.0
Chrysene	Lin2		1.203	0.7000	41900	40000	4.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVIS 480-752098/3 Calibration Date: 07/18/2025 11:21

Instrument ID: HP5973X Calib Start Date: 07/03/2025 14:28

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 07/03/2025 17:19

Lab File ID: X000000364536.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	1.309	1.635	0.0100	49900	40000	24.9*	20.0
Benzo[b]fluoranthene	Lin2		1.087	0.7000	41100	40000	2.8	20.0
Benzo[k]fluoranthene	Lin2		1.204	0.7000	40700	40000	1.8	20.0
Benzo[a]pyrene	Ave	1.032	1.063	0.7000	41200	40000	3.0	20.0
Dibenz(a,h)anthracene	Lin2		1.074	0.4000	39400	40000	-1.5	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.346	1.318	0.5000	39200	40000	-2.0	20.0
Benzo[g,h,i]perylene	Ave	1.036	1.014	0.5000	39100	40000	-2.2	20.0
2-Fluorophenol (Surr)	Lin2		1.402	0.0100	40300	40000	0.9	20.0
Phenol-d5 (Surr)	Lin2		2.025	0.0100	44000	40000	9.9	20.0
Nitrobenzene-d5 (Surr)	Ave	0.5847	0.6147	0.0100	42100	40000	5.1	20.0
2-Fluorobiphenyl (Surr)	Ave	1.326	1.325	0.0100	40000	40000	-0.1	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1331	0.1269	0.0100	38100	40000	-4.7	20.0
p-Terphenyl-d14 (Surr)	Ave	0.9474	1.024	0.0100	43200	40000	8.1	20.0

value in red >20, sensitivity decrease
qual hexachlorocyclopentadiene

values in yellow
>20, sensitivity increase -
samples ND - no qual

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-751553/1-A

Matrix: Solid | Lab File ID: X000000364441.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15(g) | Date Analyzed: 07/16/2025 00:48

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 751756 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		170	32
108-60-1	bis (2-chloroisopropyl) ether	ND		170	35
95-95-4	2,4,5-Trichlorophenol	ND		170	34
88-06-2	2,4,6-Trichlorophenol	ND		170	26
120-83-2	2,4-Dichlorophenol	ND		170	33
105-67-9	2,4-Dimethylphenol	ND		170	36
51-28-5	2,4-Dinitrophenol	ND		1700	32
121-14-2	2,4-Dinitrotoluene	ND		170	23
606-20-2	2,6-Dinitrotoluene	ND		170	24
91-58-7	2-Chloronaphthalene	ND		170	32
95-57-8	2-Chlorophenol	ND		170	27
91-57-6	2-Methylnaphthalene	ND		170	27
95-48-7	2-Methylphenol	ND		170	27
88-74-4	2-Nitroaniline	ND		330	29
88-75-5	2-Nitrophenol	ND		170	19
91-94-1	3,3'-Dichlorobenzidine	ND		330	50
99-09-2	3-Nitroaniline	ND		330	24
534-52-1	4,6-Dinitro-2-methylphenol	ND		330	37
101-55-3	4-Bromophenyl phenyl ether	ND		170	29
59-50-7	4-Chloro-3-methylphenol	ND		170	35
106-47-8	4-Chloroaniline	ND		170	24
7005-72-3	4-Chlorophenyl phenyl ether	ND		170	36
106-44-5	4-Methylphenol	ND		330	30
100-01-6	4-Nitroaniline	ND		330	25
100-02-7	4-Nitrophenol	ND		330	46
83-32-9	Acenaphthene	ND		170	31
208-96-8	Acenaphthylene	ND		170	33
98-86-2	Acetophenone	ND		170	30
120-12-7	Anthracene	ND		170	31
1912-24-9	Atrazine	ND		170	57
100-52-7	Benzaldehyde	ND		170	130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-751553/1-A

Matrix: Solid | Lab File ID: X000000364441.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15(g) | Date Analyzed: 07/16/2025 00:48

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 751756 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-55-3	Benzo[a]anthracene	ND		170	23
50-32-8	Benzo[a]pyrene	ND		170	29
205-99-2	Benzo[b]fluoranthene	ND		170	23
191-24-2	Benzo[g,h,i]perylene	ND		170	30
207-08-9	Benzo[k]fluoranthene	ND		170	38
111-91-1	Bis(2-chloroethoxy)methane	ND		170	32
111-44-4	Bis(2-chloroethyl)ether	ND		170	32
117-81-7	Bis(2-ethylhexyl) phthalate	ND		170	37
85-68-7	Butyl benzyl phthalate	ND		170	31
105-60-2	Caprolactam	ND		170	39
86-74-8	Carbazole	ND		170	33
218-01-9	Chrysene	ND		170	41
53-70-3	Dibenz(a,h)anthracene	ND		170	34
132-64-9	Dibenzofuran	ND		170	30
84-66-2	Diethyl phthalate	ND		170	30
131-11-3	Dimethyl phthalate	ND		170	33
84-74-2	Di-n-butyl phthalate	ND		170	38
117-84-0	Di-n-octyl phthalate	ND		170	32
206-44-0	Fluoranthene	ND		170	31
86-73-7	Fluorene	ND		170	31
118-74-1	Hexachlorobenzene	ND		170	33
87-68-3	Hexachlorobutadiene	ND		170	25
77-47-4	Hexachlorocyclopentadiene	ND		330	74
67-72-1	Hexachloroethane	ND		170	31
193-39-5	Indeno[1,2,3-cd]pyrene	ND		170	25
78-59-1	Isophorone	ND		170	35
91-20-3	Naphthalene	ND		170	28
98-95-3	Nitrobenzene	ND		170	28
621-64-7	N-Nitrosodi-n-propylamine	ND		170	38
86-30-6	N-Nitrosodiphenylamine	ND		170	28
87-86-5	Pentachlorophenol	ND		330	54

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-751553/1-A

Matrix: Solid | Lab File ID: X000000364441.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15(g) | Date Analyzed: 07/16/2025 00:48

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 751756 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	ND		170	32
108-95-2	Phenol	ND		170	31
129-00-0	Pyrene	ND		170	32

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	76		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	92		28-124
4165-62-2	Phenol-d5 (Surr)	77		23-120
367-12-4	2-Fluorophenol (Surr)	74		18-120
118-79-6	2,4,6-Tribromophenol (Surr)	89		10-140
321-60-8	2-Fluorobiphenyl (Surr)	102		29-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-751553/2-A

Matrix: Solid | Lab File ID: X000000364442.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15(g) | Date Analyzed: 07/16/2025 01:13

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 751756 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	2450		170	32
108-60-1	bis (2-chloroisopropyl) ether	1570		170	35
95-95-4	2,4,5-Trichlorophenol	2460		170	34
88-06-2	2,4,6-Trichlorophenol	2410		170	26
120-83-2	2,4-Dichlorophenol	2190		170	33
105-67-9	2,4-Dimethylphenol	2020		170	36
51-28-5	2,4-Dinitrophenol	2020		1700	32
121-14-2	2,4-Dinitrotoluene	2120		170	23
606-20-2	2,6-Dinitrotoluene	2540		170	24
91-58-7	2-Chloronaphthalene	2420		170	32
95-57-8	2-Chlorophenol	1900		170	27
91-57-6	2-Methylnaphthalene	2170		170	27
95-48-7	2-Methylphenol	1710		170	27
88-74-4	2-Nitroaniline	1930		330	29
88-75-5	2-Nitrophenol	2120		170	19
91-94-1	3,3'-Dichlorobenzidine	2270		330	50
99-09-2	3-Nitroaniline	1880		330	24
534-52-1	4,6-Dinitro-2-methylphenol	3730		330	37
101-55-3	4-Bromophenyl phenyl ether	2990		170	29
59-50-7	4-Chloro-3-methylphenol	1930		170	35
106-47-8	4-Chloroaniline	1860		170	24
7005-72-3	4-Chlorophenyl phenyl ether	2260		170	36
106-44-5	4-Methylphenol	1770		330	30
100-01-6	4-Nitroaniline	1890		330	25
100-02-7	4-Nitrophenol	3300		330	46
83-32-9	Acenaphthene	2310		170	31
208-96-8	Acenaphthylene	2210		170	33
98-86-2	Acetophenone	1780		170	30
120-12-7	Anthracene	2500		170	31
1912-24-9	Atrazine	1800		170	57
100-52-7	Benzaldehyde	1520		170	130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-751553/2-A

Matrix: Solid | Lab File ID: X000000364442.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15(g) | Date Analyzed: 07/16/2025 01:13

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 751756 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-55-3	Benzo[a]anthracene	2490		170	23
50-32-8	Benzo[a]pyrene	2370		170	29
205-99-2	Benzo[b]fluoranthene	2470		170	23
191-24-2	Benzo[g,h,i]perylene	2670		170	30
207-08-9	Benzo[k]fluoranthene	2090		170	38
111-91-1	Bis(2-chloroethoxy)methane	2090		170	32
111-44-4	Bis(2-chloroethyl)ether	1840		170	32
117-81-7	Bis(2-ethylhexyl) phthalate	2230		170	37
85-68-7	Butyl benzyl phthalate	2240		170	31
105-60-2	Caprolactam	1310		170	39
86-74-8	Carbazole	2520		170	33
218-01-9	Chrysene	2530		170	41
53-70-3	Dibenz(a,h)anthracene	2790		170	34
132-64-9	Dibenzofuran	2220		170	30
84-66-2	Diethyl phthalate	2160		170	30
131-11-3	Dimethyl phthalate	2380		170	33
84-74-2	Di-n-butyl phthalate	2600		170	38
117-84-0	Di-n-octyl phthalate	2270		170	32
206-44-0	Fluoranthene	2500		170	31
86-73-7	Fluorene	2130		170	31
118-74-1	Hexachlorobenzene	2810		170	33
87-68-3	Hexachlorobutadiene	2320		170	25
77-47-4	Hexachlorocyclopentadiene	1640		330	74
67-72-1	Hexachloroethane	1820		170	31
193-39-5	Indeno[1,2,3-cd]pyrene	2740		170	25
78-59-1	Isophorone	1910		170	35
91-20-3	Naphthalene	2110		170	28
98-95-3	Nitrobenzene	1900		170	28
621-64-7	N-Nitrosodi-n-propylamine	1750		170	38
86-30-6	N-Nitrosodiphenylamine	2830		170	28
87-86-5	Pentachlorophenol	4510		330	54

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-751553/2-A

Matrix: Solid | Lab File ID: X000000364442.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15(g) | Date Analyzed: 07/16/2025 01:13

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 751756 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	2600		170	32
108-95-2	Phenol	1790		170	31
129-00-0	Pyrene	2390		170	32

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	77		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	98		28-124
4165-62-2	Phenol-d5 (Surr)	71		23-120
367-12-4	2-Fluorophenol (Surr)	71		18-120
118-79-6	2,4,6-Tribromophenol (Surr)	119		10-140
321-60-8	2-Fluorobiphenyl (Surr)	99		29-120

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: HP5973X Start Date: 07/03/2025 14:03

Analysis Batch Number: 750893 End Date: 07/03/2025 17:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-750893/2		07/03/2025 14:03	1	X000000364179.d	RXI-5Sil MS 0.25(mm)
IC 480-750893/3		07/03/2025 14:28	1	X000000364180.d	RXI-5Sil MS 0.25(mm)
IC 480-750893/4		07/03/2025 14:52	1	X000000364181.d	RXI-5Sil MS 0.25(mm)
IC 480-750893/5		07/03/2025 15:16	1	X000000364182.d	RXI-5Sil MS 0.25(mm)
IC 480-750893/6		07/03/2025 15:41	1	X000000364183.d	RXI-5Sil MS 0.25(mm)
IC 480-750893/7		07/03/2025 16:05	1	X000000364184.d	RXI-5Sil MS 0.25(mm)
ICIS 480-750893/8		07/03/2025 16:30	1	X000000364185.d	RXI-5Sil MS 0.25(mm)
IC 480-750893/9		07/03/2025 16:54	1	X000000364186.d	RXI-5Sil MS 0.25(mm)
IC 480-750893/10		07/03/2025 17:19	1	X000000364187.d	RXI-5Sil MS 0.25(mm)
ICV 480-750893/11		07/03/2025 17:43	1	X000000364188.d	RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: HP5973X Start Date: 07/15/2025 16:11

Analysis Batch Number: 751756 End Date: 07/16/2025 04:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-751756/2		07/15/2025 16:11	1	X000000364420.d	RXI-5Sil MS 0.25(mm)
CCVIS 480-751756/3		07/15/2025 16:35	1	X000000364421.d	RXI-5Sil MS 0.25(mm)
ZZZZZ (QC)		07/15/2025 17:24	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (QC)		07/15/2025 17:49	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (QC)		07/15/2025 18:14	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (QC)		07/15/2025 18:39	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/15/2025 19:03	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/15/2025 19:28	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/15/2025 19:52	5		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/15/2025 20:17	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/15/2025 20:43	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/15/2025 21:08	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/15/2025 21:32	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/15/2025 21:56	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/15/2025 22:21	5		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/15/2025 22:46	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/15/2025 23:10	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/15/2025 23:35	5		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/15/2025 23:59	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/16/2025 00:24	1		RXI-5Sil MS 0.25(mm)
MB 480-751553/1-A		07/16/2025 00:48	1	X000000364441.d	RXI-5Sil MS 0.25(mm)
LCS 480-751553/2-A		07/16/2025 01:13	1	X000000364442.d	RXI-5Sil MS 0.25(mm)
ZZZZZ (QC)		07/16/2025 01:37	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (QC)		07/16/2025 02:02	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/16/2025 02:26	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/16/2025 02:51	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/16/2025 03:15	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/16/2025 03:40	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/16/2025 04:04	5		RXI-5Sil MS 0.25(mm)

extracted/analyzed w/i HT
14 days extract
40 days analyze

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: HP5973X Start Date: 07/18/2025 10:56

Analysis Batch Number: 752098 End Date: 07/18/2025 22:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-752098/2		07/18/2025 10:56	1	X000000364535.d	RXI-5Sil MS 0.25(mm)
CCVIS 480-752098/3		07/18/2025 11:21	1	X000000364536.d	RXI-5Sil MS 0.25(mm)
ZZZZZ (QC)		07/18/2025 12:09	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (QC)		07/18/2025 12:33	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (QC)		07/18/2025 12:58	5		RXI-5Sil MS 0.25(mm)
ZZZZZ (QC)		07/18/2025 13:23	5		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/18/2025 13:48	5		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/18/2025 14:13	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/18/2025 14:38	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/18/2025 15:03	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/18/2025 15:27	10		RXI-5Sil MS 0.25(mm)
480-231006-3	SB1-12'-48"	07/18/2025 15:51	10	X000000364547.d	RXI-5Sil MS 0.25(mm)
480-231006-5	SB1-5'-8'	07/18/2025 16:16	10	X000000364548.d	RXI-5Sil MS 0.25(mm)
480-231006-12	SB2-12"-5'	07/18/2025 16:40	10	X000000364549.d	RXI-5Sil MS 0.25(mm)
480-231006-14	SB2-9'-10'	07/18/2025 17:06	1	X000000364550.d	RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/18/2025 17:31	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/18/2025 17:55	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/18/2025 18:20	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/18/2025 18:44	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (QC)		07/18/2025 19:09	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (QC)		07/18/2025 19:34	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (QC)		07/18/2025 19:59	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (QC)		07/18/2025 20:25	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/18/2025 20:52	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/18/2025 21:17	1		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/18/2025 21:48	10		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/18/2025 22:13	5		RXI-5Sil MS 0.25(mm)
ZZZZZ (Client)		07/18/2025 22:37	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 750893 Batch Start Date: 07/03/25 14:03 Batch Analyst: Marshall, Joseph M

Batch Method: 8270D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	CalcMsg	MB_DFTPP_WRK 00449	MB_L1SS_WRK 00063	MB_LIST1_WRK 01064	MB_LIST1_WRK 01065
DFTPP 480-750893/2		8270D			1 mL	Perform Calculation left blank	1 mL			
IC 480-750893/3		8270D			1 mL	Perform Calculation left blank			1 mL	
IC 480-750893/4		8270D			1 mL	Perform Calculation left blank				1 mL
IC 480-750893/5		8270D			1 mL	Perform Calculation left blank				
IC 480-750893/6		8270D			1 mL	Perform Calculation left blank				
IC 480-750893/7		8270D			1 mL	Perform Calculation left blank				
ICIS 480-750893/8		8270D			1 mL	Perform Calculation left blank				
IC 480-750893/9		8270D			1 mL	Perform Calculation left blank				
IC 480-750893/10		8270D			1 mL	Perform Calculation left blank				
ICV 480-750893/11		8270D			1 mL	Perform Calculation left blank		1 mL		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MB_LIST1_WRK 01066	MB_LIST1_WRK 01067	MB_LIST1_WRK 01068	MB_LIST1_WRK 01069	MB_LIST1_WRK 01070	MB_LIST1_WRK 01071
DFTPP 480-750893/2		8270D								
IC 480-750893/3		8270D								
IC 480-750893/4		8270D								
IC 480-750893/5		8270D			1 mL					
IC 480-750893/6		8270D				1 mL				
IC 480-750893/7		8270D					1 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 750893 Batch Start Date: 07/03/25 14:03 Batch Analyst: Marshall, Joseph M

Batch Method: 8270D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MB_LIST1_WRK 01066	MB_LIST1_WRK 01067	MB_LIST1_WRK 01068	MB_LIST1_WRK 01069	MB_LIST1_WRK 01070	MB_LIST1_WRK 01071
ICIS 480-750893/8		8270D						1 mL		
IC 480-750893/9		8270D							1 mL	
IC 480-750893/10		8270D								1 mL
ICV 480-750893/11		8270D								

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 751553 Batch Start Date: 07/12/25 07:49 Batch Analyst: Pollock, Jacob M

Batch Method: 3546 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	O_8270/625LCS 00259	O_8270surr 00134		
MB 480-751553/1		3546, 8270D			15 g	1 mL		1 mL		
LCS 480-751553/2		3546, 8270D			15 g	1 mL	1 mL	1 mL		
480-231006-B-3	SB1-12'-48"	3546, 8270D	Solid	T	15.53 g	1 mL		1 mL		
480-231006-B-5	SB1-5'-8'	3546, 8270D	Solid	T	15.52 g	1 mL		1 mL		
480-231006-B-12	SB2-12"-5'	3546, 8270D	Solid	T	15.08 g	1 mL		1 mL		
480-231006-B-14	SB2-9'-10'	3546, 8270D	Solid	T	15.52 g	1 mL		1 mL		

Batch Notes	
Method/Fraction	3546/8270D
Balance ID	Balance-5
Balance is Level? (Y/N)	yes
Microwave Oven ID	Microwave #2
Microwave Program ID	3546: 12-24V
Analyst ID - Extraction	JP
Blank Matrix ID	8331597
Analyst ID - Spike Analyst	JP
Analyst ID - Spike Witness Analyst	JP
Sufficient Volume for Batch QC	Yes
Prep Solvent ID	8357963/8357977
Na2SO4 ID	8359700
Filter ID	16887158
Analyst ID - Concentration	JP
Exchange Solvent ID	8357963
Vial Lot Number	22076066
Batch Comment	Microwave start time: 11:11

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8151A

Herbicides (GC) by Method 8151A

FORM II
HERBICIDES SURROGATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

Client Sample ID	Lab Sample ID	DCPAA1 #	DCPAA2 #
SB1-12'-48"	480-231006-3	45	40
SB1-5'-8'	480-231006-5	94	87
SB2-12"-5'	480-231006-12	69	52
SB2-9'-10'	480-231006-14	89	82
	MB 480-752177/1-A	64	59
	LCS 480-752177/2-A	86	74

DCPAA = 2,4-Dichlorophenylacetic acid

QC LIMITS
28-129

Column to be used to flag recovery values

FORM II 8151A

FORM III
HERBICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 2025-07-23 20-28-56-04-00-28.

Lab ID: LCS 480-752177/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
2,4,5-T	66.7	51.6	* 77	41-120	
Silvex (2,4,5-TP)	66.7	51.4	* 77	39-125	
2,4-D	66.7	52.1	78	40-120	
Dichlorprop	66.7	55.1	83	34-121	
Pentachlorophenol	66.7	28.7	43	10-120	
Picloram	66.7	46.1	69	22-149	

Column to be used to flag recovery and RPD values

FORM III 8151A

FORM IV
HERBICIDES METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: MB 480-752177/1-A

Matrix: Solid Date Extracted: 07/19/2025 05:38

Lab File ID:(1) 2025-07-23 20-10-27-04-00- Lab File ID:(2) 2025-07-23 20-10-27-04-00-

Date Analyzed:(1) 07/23/2025 20:10 Date Analyzed:(2) 07/23/2025 20:10

Instrument ID:(1) AG8860-1 Instrument ID:(2) AG8860-1

GC Column:(1) RTX-CLPI ID: 0.53(mm) GC Column:(2) RTX-CLPII ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-752177/2-A	07/23/2025 20:28	07/23/2025 20:28
SB1-12'-48"	480-231006-3	07/24/2025 02:57	07/24/2025 02:57
SB1-5'-8'	480-231006-5	07/24/2025 03:16	07/24/2025 03:16
SB2-12"-5'	480-231006-12	07/24/2025 03:35	07/24/2025 03:35
SB2-9'-10'	480-231006-14	07/24/2025 03:53	07/24/2025 03:53

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-752177/2-A

Instrument ID (1): AG8860-1 Instrument ID (2): AG8860-1

Date Analyzed (1): 07/23/2025 20:28 Date Analyzed (2): 07/23/2025 20:28

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Dichlorprop	1		7.52	7.50	7.56	55.1		6.4
	2		8.93	8.91	8.97	51.7		
2,4-D	1		7.80	7.78	7.84	52.1		4.8
	2		9.26	9.24	9.30	54.6		
Pentachlorophenol	1		8.09	8.06	8.12	28.7		1.7
	2		9.73	9.70	9.76	28.2		
Silvex (2,4,5-TP)	1		8.73	8.70	8.76	51.4		1.4
	2		10.03	10.00	10.06	50.7		
2,4,5-T	1		9.00	8.98	9.04	51.6		8.7
	2		10.36	10.33	10.39	47.3		
Picloram	1		10.27	10.24	10.30	46.1		8.5
	2		11.74	11.71	11.77	42.3		

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48" | Lab Sample ID: 480-231006-3

Matrix: Solid | Lab File ID: 2025-07-24 02-57-55-04-00-49.D

Analysis Method: 8151A | Date Collected: 07/09/2025 12:00

Extraction Method: 8151A | Date Extracted: 07/19/2025 05:38

Sample wt/vol: 30.15(g) | Date Analyzed: 07/24/2025 02:57

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.53(mm)

% Moisture: 6.0 % Solids: 94.0 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752508 | Units: ug/Kg

Preparation Batch No.: 752177 | Instrument ID: AG8860-1

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-76-5	2,4,5-T	ND		18	5.6
93-72-1	Silvex (2,4,5-TP)	ND		18	6.3
94-75-7	2,4-D	ND		18	11
120-36-5	Dichlorprop	ND		18	8.8
87-86-5	Pentachlorophenol	ND		18	5.7
1918-02-1	Picloram	ND		18	7.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	45		28-129

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48" | Lab Sample ID: 480-231006-3

Matrix: Solid | Lab File ID: 2025-07-24 02-57-55-04-00-49.D

Analysis Method: 8151A | Date Collected: 07/09/2025 12:00

Extraction Method: 8151A | Date Extracted: 07/19/2025 05:38

Sample wt/vol: 30.15(g) | Date Analyzed: 07/24/2025 02:57

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: 6.0 % Solids: 94.0 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752508 | Units: ug/Kg

Preparation Batch No.: 752177 | Instrument ID: AG8860-1

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	40		28-129

reported from col 1

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-5'-8' | Lab Sample ID: 480-231006-5

Matrix: Solid | Lab File ID: 2025-07-24 03-16-31-04-00-50.D

Analysis Method: 8151A | Date Collected: 07/09/2025 12:45

Extraction Method: 8151A | Date Extracted: 07/19/2025 05:38

Sample wt/vol: 30.04(g) | Date Analyzed: 07/24/2025 03:16

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.53(mm)

% Moisture: 4.0 % Solids: 96.0 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752508 | Units: ug/Kg

Preparation Batch No.: 752177 | Instrument ID: AG8860-1

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-76-5	2,4,5-T	ND		17	5.5
93-72-1	Silvex (2,4,5-TP)	ND		17	6.2
94-75-7	2,4-D	ND		17	11
120-36-5	Dichlorprop	ND		17	8.7
87-86-5	Pentachlorophenol	ND		17	5.6
1918-02-1	Picloram	ND		17	7.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	94		28-129

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-5'-8' | Lab Sample ID: 480-231006-5

Matrix: Solid | Lab File ID: 2025-07-24 03-16-31-04-00-50.D

Analysis Method: 8151A | Date Collected: 07/09/2025 12:45

Extraction Method: 8151A | Date Extracted: 07/19/2025 05:38

Sample wt/vol: 30.04(g) | Date Analyzed: 07/24/2025 03:16

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: 4.0 % Solids: 96.0 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752508 | Units: ug/Kg

Preparation Batch No.: 752177 | Instrument ID: AG8860-1

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	87		28-129

reported from col 1

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-12"-5' | Lab Sample ID: 480-231006-12

Matrix: Solid | Lab File ID: 2025-07-24 03-35-01-04-00-51.D

Analysis Method: 8151A | Date Collected: 07/09/2025 13:30

Extraction Method: 8151A | Date Extracted: 07/19/2025 05:38

Sample wt/vol: 30.08(g) | Date Analyzed: 07/24/2025 03:35

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.53(mm)

% Moisture: 10.3 % Solids: 89.7 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752508 | Units: ug/Kg

Preparation Batch No.: 752177 | Instrument ID: AG8860-1

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-76-5	2,4,5-T	ND		19	5.9
93-72-1	Silvex (2,4,5-TP)	ND		19	6.7
94-75-7	2,4-D	ND		19	12
120-36-5	Dichlorprop	ND		19	9.2
87-86-5	Pentachlorophenol	ND		19	6.0
1918-02-1	Picloram	ND		19	8.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	69		28-129

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-12"-5' | Lab Sample ID: 480-231006-12

Matrix: Solid | Lab File ID: 2025-07-24 03-35-01-04-00-51.D

Analysis Method: 8151A | Date Collected: 07/09/2025 13:30

Extraction Method: 8151A | Date Extracted: 07/19/2025 05:38

Sample wt/vol: 30.08(g) | Date Analyzed: 07/24/2025 03:35

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: 10.3 % Solids: 89.7 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752508 | Units: ug/Kg

Preparation Batch No.: 752177 | Instrument ID: AG8860-1

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	52		28-129

reported from col 1

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-9'-10' | Lab Sample ID: 480-231006-14

Matrix: Solid | Lab File ID: 2025-07-24 03-53-31-04-00-52.D

Analysis Method: 8151A | Date Collected: 07/09/2025 14:00

Extraction Method: 8151A | Date Extracted: 07/19/2025 05:38

Sample wt/vol: 30.03(g) | Date Analyzed: 07/24/2025 03:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.53(mm)

% Moisture: 9.1 % Solids: 90.9 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752508 | Units: ug/Kg

Preparation Batch No.: 752177 | Instrument ID: AG8860-1

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-76-5	2,4,5-T	ND		18	5.9
93-72-1	Silvex (2,4,5-TP)	ND		18	6.6
94-75-7	2,4-D	ND		18	12
120-36-5	Dichlorprop	ND		18	9.1
87-86-5	Pentachlorophenol	ND		18	6.0
1918-02-1	Picloram	ND		18	7.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	89		28-129

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-9'-10' | Lab Sample ID: 480-231006-14

Matrix: Solid | Lab File ID: 2025-07-24 03-53-31-04-00-52.D

Analysis Method: 8151A | Date Collected: 07/09/2025 14:00

Extraction Method: 8151A | Date Extracted: 07/19/2025 05:38

Sample wt/vol: 30.03(g) | Date Analyzed: 07/24/2025 03:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: 9.1 % Solids: 90.9 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752508 | Units: ug/Kg

Preparation Batch No.: 752177 | Instrument ID: AG8860-1

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	82		28-129

reported from col 1

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 724216

SDG No.:

Instrument ID: AG8860-1 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2024 13:59 Calibration End Date: 09/06/2024 15:50 Calibration ID: 47208

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 480-724216/11	2024-09-06 15-50-23-04-00-11.D
Level 2	STD6 480-724216/10	2024-09-06 15-31-56-04-00-10.D
Level 3	STD5 480-724216/9	2024-09-06 15-13-19-04-00-09.D
Level 4	STD4 480-724216/8	2024-09-06 14-54-49-04-00-08.D
Level 5	STD3 480-724216/7	2024-09-06 14-36-20-04-00-07.D
Level 6	STD2 480-724216/6	2024-09-06 14-17-45-04-00-06.D
Level 7	STD1 480-724216/5	2024-09-06 13-59-09-04-00-05.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Dichlorprop	7.578	7.578	7.575	7.575	7.575	7.575	7.573				7.525 - 7.625	7.576
2,4-D	7.855	7.851	7.847	7.846	7.846	7.845	7.843				7.796 - 7.896	7.848
Pentachlorophenol	8.142	8.143	8.142	8.142	8.142	8.142	8.141				8.092 - 8.192	8.142
Silvex (2,4,5-TP)	8.778	8.778	8.777	8.776	8.777	8.776	8.776				8.727 - 8.827	8.777
2,4,5-T	9.057	9.055	9.053	9.052	9.051	9.052	9.050				9.001 - 9.101	9.053
Picloram	10.314	10.311	10.308	10.307	10.306	10.306	10.304				10.256 - 10.356	10.308
Dinoseb	10.425	10.424	10.424	10.424	10.425	10.425	10.424				10.375 - 10.475	10.424
2,4-Dichlorophenylacetic acid	6.495	6.492	6.492	6.490	6.490	6.489	6.488				6.440 - 6.540	6.491

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 724216

SDG No.:

Instrument ID: AG8860-1 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2024 13:59 Calibration End Date: 09/06/2024 15:50 Calibration ID: 47208

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 480-724216/11	2024-09-06 15-50-23-04-00-11.D
Level 2	STD6 480-724216/10	2024-09-06 15-31-56-04-00-10.D
Level 3	STD5 480-724216/9	2024-09-06 15-13-19-04-00-09.D
Level 4	STD4 480-724216/8	2024-09-06 14-54-49-04-00-08.D
Level 5	STD3 480-724216/7	2024-09-06 14-36-20-04-00-07.D
Level 6	STD2 480-724216/6	2024-09-06 14-17-45-04-00-06.D
Level 7	STD1 480-724216/5	2024-09-06 13-59-09-04-00-05.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
Dichlorprop	1383950 1114875	1280520 1028660	1158760 887700	1121333	Ave		1139399.76				14.2		20.0			
2,4-D	1511200 1372105	1512840 1286372	1425070 1108108	1390400	Ave		1372299.29				10.3		20.0			
Pentachlorophenol	13666050 11876985	12453660 11257280	11616720 10722716	11613753	Ave		11886737.8				8.0		20.0			
Silvex (2,4,5-TP)	5791550 4813430	5450940 4514976	4949640 4127110	4827140	Ave		4924969.43				11.3		20.0			
2,4,5-T	5650550 4698260	5337060 4425020	4857660 4027574	4719533	Ave		4816522.48				11.3		20.0			
Picloram	5403200 5435055	5788180 5042716	5346640 4784686	5398433	Ave		5314130.05				6.0		20.0			
Dinoseb	3568900 3038700	3625720 2737968	3108110 2480040	3112633	Ave		3096010.19				13.3		20.0			
2,4-Dichlorophenylacetic acid	1507950 1198395	1416520 1131244	1298030 985940	1252513	Ave		1255798.90				13.9		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 724216

SDG No.:

Instrument ID: AG8860-1 | GC Column: RTX-CLPI | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2024 13:59 | Calibration End Date: 09/06/2024 15:50 | Calibration ID: 47208

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 480-724216/11	2024-09-06 15-50-23-04-00-11.D
Level 2	STD6 480-724216/10	2024-09-06 15-31-56-04-00-10.D
Level 3	STD5 480-724216/9	2024-09-06 15-13-19-04-00-09.D
Level 4	STD4 480-724216/8	2024-09-06 14-54-49-04-00-08.D
Level 5	STD3 480-724216/7	2024-09-06 14-36-20-04-00-07.D
Level 6	STD2 480-724216/6	2024-09-06 14-17-45-04-00-06.D
Level 7	STD1 480-724216/5	2024-09-06 13-59-09-04-00-05.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorprop	Ave	27679 257165	64026 443850	115876	168200	222975	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
2,4-D	Ave	30224 321593	75642 554054	142507	208560	274421	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
Pentachlorophenol	Ave	273321 2814320	622683 5361358	1161672	1742063	2375397	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
Silvex (2,4,5-TP)	Ave	115831 1128744	272547 2063555	494964	724071	962686	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
2,4,5-T	Ave	113011 1106255	266853 2013787	485766	707930	939652	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
Picloram	Ave	108064 1260679	289409 2392343	534664	809765	1087011	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
Dinoseb	Ave	71378 684492	181286 1240020	310811	466895	607740	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
2,4-Dichlorophenylacetic acid	Ave	30159 282811	70826 492970	129803	187877	239679	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200

Curve Type Legend:
Ave = Average

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 724216

SDG No.:

Instrument ID: AG8860-1 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2024 13:59 Calibration End Date: 09/06/2024 15:50 Calibration ID: 47209

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 480-724216/11	2024-09-06 15-50-23-04-00-11.D
Level 2	STD6 480-724216/10	2024-09-06 15-31-56-04-00-10.D
Level 3	STD5 480-724216/9	2024-09-06 15-13-19-04-00-09.D
Level 4	STD4 480-724216/8	2024-09-06 14-54-49-04-00-08.D
Level 5	STD3 480-724216/7	2024-09-06 14-36-20-04-00-07.D
Level 6	STD2 480-724216/6	2024-09-06 14-17-45-04-00-06.D
Level 7	STD1 480-724216/5	2024-09-06 13-59-09-04-00-05.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Dichlorprop	8.983	8.982	8.982	8.980	8.981	8.980	8.979				8.931 - 9.031	8.981
2,4-D	9.315	9.313	9.309	9.308	9.307	9.307	9.305				9.257 - 9.357	9.309
Pentachlorophenol	9.776	9.775	9.775	9.775	9.775	9.775	9.775				9.725 - 9.825	9.775
Silvex (2,4,5-TP)	10.076	10.075	10.074	10.075	10.074	10.074	10.074				10.024 - 10.124	10.075
2,4,5-T	10.404	10.403	10.400	10.400	10.399	10.398	10.398				10.349 - 10.449	10.400
Dinoseb	11.053	11.053	11.052	11.052	11.052	11.053	11.053				11.002 - 11.102	11.053
Picloram	11.786	11.783	11.782	11.781	11.781	11.780	11.780				11.731 - 11.831	11.782
2,4-Dichlorophenylacetic acid	7.942	7.941	7.939	7.938	7.938	7.937	7.936				7.888 - 7.988	7.939

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 724216

SDG No.:

Instrument ID: AG8860-1 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2024 13:59 Calibration End Date: 09/06/2024 15:50 Calibration ID: 47209

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 480-724216/11	2024-09-06 15-50-23-04-00-11.D
Level 2	STD6 480-724216/10	2024-09-06 15-31-56-04-00-10.D
Level 3	STD5 480-724216/9	2024-09-06 15-13-19-04-00-09.D
Level 4	STD4 480-724216/8	2024-09-06 14-54-49-04-00-08.D
Level 5	STD3 480-724216/7	2024-09-06 14-36-20-04-00-07.D
Level 6	STD2 480-724216/6	2024-09-06 14-17-45-04-00-06.D
Level 7	STD1 480-724216/5	2024-09-06 13-59-09-04-00-05.D

no results report from column 2

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
Dichlorprop	1175650 1040920	1189860 963132	1077280 851738	1019867	Ave		1045492.38				11.3		20.0			
2,4-D	1464900 1227770	1420280 1079156	1259240 988024	1214647	Ave		1236288.10				13.8		20.0			
Pentachlorophenol	11429550 9955850	10430860 9509356	9678100 9149754	9767613	Ave		9988726.19				7.5		20.0			
Silvex (2,4,5-TP)	4842100 3999195	4503360 3745420	4087970 3475272	4015880	Ave		4095599.57				11.1		20.0			
2,4,5-T	4518100 4023925	4526700 3723472	4127720 3471146	4076813	Ave		4066839.48				9.5		20.0			
Dinoseb	3089100 2432665	2831800 2260008	2579710 2034490	2479220	Ave		2529570.43				13.9		20.0			
Picloram	4264900 4327470	4480000 4092776	4396330 3910020	4358640	Ave		4261448.00				4.6		20.0			
2,4-Dichlorophenylacetic acid	1247950 1064455	1194160 998976	1112380 872564	1064940	Ave		1079346.43				11.5		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 724216

SDG No.:

Instrument ID: AG8860-1 | GC Column: RTX-CLPII | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2024 13:59 | Calibration End Date: 09/06/2024 15:50 | Calibration ID: 47209

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 480-724216/11	2024-09-06 15-50-23-04-00-11.D
Level 2	STD6 480-724216/10	2024-09-06 15-31-56-04-00-10.D
Level 3	STD5 480-724216/9	2024-09-06 15-13-19-04-00-09.D
Level 4	STD4 480-724216/8	2024-09-06 14-54-49-04-00-08.D
Level 5	STD3 480-724216/7	2024-09-06 14-36-20-04-00-07.D
Level 6	STD2 480-724216/6	2024-09-06 14-17-45-04-00-06.D
Level 7	STD1 480-724216/5	2024-09-06 13-59-09-04-00-05.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorprop	Ave	23513 240783	59493 425869	107728	152980	208184	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
2,4-D	Ave	29298 269789	71014 494012	125924	182197	245554	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
Pentachlorophenol	Ave	228591 2377339	521543 4574877	967810	1465142	1991170	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
Silvex (2,4,5-TP)	Ave	96842 936355	225168 1737636	408797	602382	799839	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
2,4,5-T	Ave	90362 930868	226335 1735573	412772	611522	804785	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
Dinoseb	Ave	61782 565002	141590 1017245	257971	371883	486533	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
Picloram	Ave	85298 1023194	224000 1955010	439633	653796	865494	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
2,4-Dichlorophenylacetic acid	Ave	24959 249744	59708 436282	111238	159741	212891	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200

Curve Type Legend:
Ave = Average

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 480-724216/12 Calibration Date: 09/06/2024 16:08

Instrument ID: AG8860-1 Calib Start Date: 09/06/2024 13:59

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 09/06/2024 15:50

Lab File ID: 2024-09-06 16-08-54-04-00-12.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorprop	Ave	1045492	853340		0.0816	0.100	-18.4	20.0
2,4-D	Ave	1236288	1081950		0.0875	0.100	-12.5	20.0
Pentachlorophenol	Ave	9988726	8316930		0.0833	0.100	-16.7	20.0
Silvex (2,4,5-TP)	Ave	4095600	3630670		0.0886	0.100	-11.4	20.0
2,4,5-T	Ave	4066839	3416210		0.0840	0.100	-16.0	20.0
Dinoseb	Ave	2529570	2404570		0.0951	0.100	-4.9	20.0
Picloram	Ave	4261448	3664540		0.0860	0.100	-14.0	20.0



FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 480-724216/12 Calibration Date: 09/06/2024 16:08

Instrument ID: AG8860-1 Calib Start Date: 09/06/2024 13:59

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 09/06/2024 15:50

Lab File ID: 2024-09-06 16-08-54-04-00-12.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorprop	8.98	8.95	9.01
2,4-D	9.31	9.28	9.34
Pentachlorophenol	9.78	9.75	9.81
Silvex (2,4,5-TP)	10.07	10.04	10.10
2,4,5-T	10.40	10.37	10.43
Dinoseb	11.05	11.02	11.08
Picloram	11.78	11.75	11.81

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 480-752508/25 Calibration Date: 07/23/2025 18:37

Instrument ID: AG8860-1 Calib Start Date: 09/06/2024 13:59

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 09/06/2024 15:50

Lab File ID: 2025-07-23 18-37-49-04-00-22.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorprop	Ave	1139400	1176440		0.103	0.100	3.3	20.0
2,4-D	Ave	1372299	1388190		0.101	0.100	1.2	20.0
Pentachlorophenol	Ave	11886738	11524960		0.0970	0.100	-3.0	20.0
Silvex (2,4,5-TP)	Ave	4924969	4869090		0.0989	0.100	-1.1	20.0
2,4,5-T	Ave	4816522	4795550		0.0996	0.100	-0.4	20.0
Picloram	Ave	5314130	5208130		0.0980	0.100	-2.0	20.0
Dinoseb	Ave	3096010	3388400		0.109	0.100	9.4	20.0
2,4-Dichlorophenylacetic acid	Ave	1255799	1286520		0.102	0.100	2.4	20.0

not bracketing

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 480-752508/25 Calibration Date: 07/23/2025 18:37

Instrument ID: AG8860-1 Calib Start Date: 09/06/2024 13:59

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 09/06/2024 15:50

Lab File ID: 2025-07-23 18-37-49-04-00-22.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorprop	7.53	7.50	7.56
2,4-D	7.80	7.78	7.84
Pentachlorophenol	8.09	8.06	8.12
Silvex (2,4,5-TP)	8.73	8.70	8.76
2,4,5-T	9.01	8.98	9.04
Picloram	10.27	10.24	10.30
Dinoseb	10.38	10.35	10.41
2,4-Dichlorophenylacetic acid	6.45	6.42	6.48

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 480-752508/25 Calibration Date: 07/23/2025 18:37

Instrument ID: AG8860-1 Calib Start Date: 09/06/2024 13:59

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 09/06/2024 15:50

Lab File ID: 2025-07-23 18-37-49-04-00-22.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorprop	Ave	1045492	973810		0.0931	0.100	-6.9	20.0
2,4-D	Ave	1236288	1166600		0.0944	0.100	-5.6	20.0
Pentachlorophenol	Ave	9988726	9415430		0.0943	0.100	-5.7	20.0
Silvex (2,4,5-TP)	Ave	4095600	3925080		0.0958	0.100	-4.2	20.0
2,4,5-T	Ave	4066839	4047810		0.0995	0.100	-0.5	20.0
Dinoseb	Ave	2529570	2539170		0.100	0.100	0.4	20.0
Picloram	Ave	4261448	4293270		0.101	0.100	0.7	20.0
2,4-Dichlorophenylacetic acid	Ave	1079346	1037810		0.0962	0.100	-3.8	20.0

not bracketing

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 480-752508/25 Calibration Date: 07/23/2025 18:37

Instrument ID: AG8860-1 Calib Start Date: 09/06/2024 13:59

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 09/06/2024 15:50

Lab File ID: 2025-07-23 18-37-49-04-00-22.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorprop	8.94	8.91	8.97
2,4-D	9.27	9.24	9.30
Pentachlorophenol	9.73	9.70	9.76
Silvex (2,4,5-TP)	10.03	10.00	10.06
2,4,5-T	10.36	10.33	10.39
Dinoseb	11.01	10.98	11.04
Picloram	11.74	11.71	11.77
2,4-Dichlorophenylacetic acid	7.89	7.86	7.92



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 480-752508/36 Calibration Date: 07/23/2025 22:01

Instrument ID: AG8860-1 Calib Start Date: 09/06/2024 13:59

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 09/06/2024 15:50

Lab File ID: 2025-07-23 22-01-33-04-00-33.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorprop	Ave	1139400	1173770		0.103	0.100	3.0	20.0
2,4-D	Ave	1372299	1412320		0.103	0.100	2.9	20.0
Pentachlorophenol	Ave	11886738	11607190		0.0976	0.100	-2.4	20.0
Silvex (2,4,5-TP)	Ave	4924969	4853680		0.0986	0.100	-1.4	20.0
2,4,5-T	Ave	4816522	4743570		0.0985	0.100	-1.5	20.0
Picloram	Ave	5314130	5034970		0.0947	0.100	-5.3	20.0
Dinoseb	Ave	3096010	3104130		0.100	0.100	0.3	20.0
2,4-Dichlorophenylacetic acid	Ave	1255799	1274610		0.101	0.100	1.5	20.0

not bracketing

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 480-752508/36 Calibration Date: 07/23/2025 22:01

Instrument ID: AG8860-1 Calib Start Date: 09/06/2024 13:59

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 09/06/2024 15:50

Lab File ID: 2025-07-23 22-01-33-04-00-33.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorprop	7.53	7.50	7.56
2,4-D	7.80	7.78	7.84
Pentachlorophenol	8.09	8.06	8.12
Silvex (2,4,5-TP)	8.73	8.70	8.76
2,4,5-T	9.01	8.98	9.04
Picloram	10.27	10.24	10.30
Dinoseb	10.38	10.35	10.41
2,4-Dichlorophenylacetic acid	6.45	6.42	6.48

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 480-752508/36 Calibration Date: 07/23/2025 22:01

Instrument ID: AG8860-1 Calib Start Date: 09/06/2024 13:59

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 09/06/2024 15:50

Lab File ID: 2025-07-23 22-01-33-04-00-33.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorprop	Ave	1045492	987030		0.0944	0.100	-5.6	20.0
2,4-D	Ave	1236288	1212260		0.0981	0.100	-1.9	20.0
Pentachlorophenol	Ave	9988726	9511800		0.0952	0.100	-4.8	20.0
Silvex (2,4,5-TP)	Ave	4095600	3923700		0.0958	0.100	-4.2	20.0
2,4,5-T	Ave	4066839	4001080		0.0984	0.100	-1.6	20.0
Dinoseb	Ave	2529570	2492450		0.0985	0.100	-1.5	20.0
Picloram	Ave	4261448	4300310		0.101	0.100	0.9	20.0
2,4-Dichlorophenylacetic acid	Ave	1079346	1057010		0.0979	0.100	-2.1	20.0

not bracketing



FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 480-752508/36 Calibration Date: 07/23/2025 22:01

Instrument ID: AG8860-1 Calib Start Date: 09/06/2024 13:59

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 09/06/2024 15:50

Lab File ID: 2025-07-23 22-01-33-04-00-33.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorprop	8.94	8.91	8.97
2,4-D	9.27	9.24	9.30
Pentachlorophenol	9.73	9.70	9.76
Silvex (2,4,5-TP)	10.03	10.00	10.06
2,4,5-T	10.36	10.33	10.39
Dinoseb	11.01	10.98	11.04
Picloram	11.74	11.71	11.77
2,4-Dichlorophenylacetic acid	7.89	7.86	7.92

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

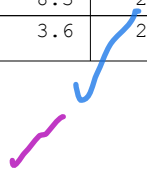
Lab Sample ID: CCV 480-752508/47 Calibration Date: 07/24/2025 01:25

Instrument ID: AG8860-1 Calib Start Date: 09/06/2024 13:59

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 09/06/2024 15:50

Lab File ID: 2025-07-24 01-25-22-04-00-44.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorprop	Ave	1139400	1174510		0.103	0.100	3.1	20.0
2,4-D	Ave	1372299	1442350		0.105	0.100	5.1	20.0
Pentachlorophenol	Ave	11886738	11779280		0.0991	0.100	-0.9	20.0
Silvex (2,4,5-TP)	Ave	4924969	4917210		0.0998	0.100	-0.2	20.0
2,4,5-T	Ave	4816522	4841840		0.101	0.100	0.5	20.0
Picloram	Ave	5314130	5161800		0.0971	0.100	-2.9	20.0
Dinoseb	Ave	3096010	3352850		0.108	0.100	8.3	20.0
2,4-Dichlorophenylacetic acid	Ave	1255799	1300880		0.104	0.100	3.6	20.0



FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

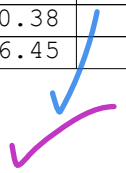
Lab Sample ID: CCV 480-752508/47 Calibration Date: 07/24/2025 01:25

Instrument ID: AG8860-1 Calib Start Date: 09/06/2024 13:59

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 09/06/2024 15:50

Lab File ID: 2025-07-24 01-25-22-04-00-44.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorprop	7.53	7.50	7.56
2,4-D	7.80	7.78	7.84
Pentachlorophenol	8.09	8.06	8.12
Silvex (2,4,5-TP)	8.73	8.70	8.76
2,4,5-T	9.01	8.98	9.04
Picloram	10.27	10.24	10.30
Dinoseb	10.38	10.35	10.41
2,4-Dichlorophenylacetic acid	6.45	6.42	6.48



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 480-752508/47 Calibration Date: 07/24/2025 01:25

Instrument ID: AG8860-1 Calib Start Date: 09/06/2024 13:59

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 09/06/2024 15:50

Lab File ID: 2025-07-24 01-25-22-04-00-44.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorprop	Ave	1045492	1035930		0.0991	0.100	-0.9	20.0
2,4-D	Ave	1236288	1263900		0.102	0.100	2.2	20.0
Pentachlorophenol	Ave	9988726	9683650		0.0969	0.100	-3.1	20.0
Silvex (2,4,5-TP)	Ave	4095600	3982080		0.0972	0.100	-2.8	20.0
2,4,5-T	Ave	4066839	4074590		0.100	0.100	0.2	20.0
Dinoseb	Ave	2529570	2553970		0.101	0.100	1.0	20.0
Picloram	Ave	4261448	4232650		0.0993	0.100	-0.7	20.0
2,4-Dichlorophenylacetic acid	Ave	1079346	1067320		0.0989	0.100	-1.1	20.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 480-752508/47 Calibration Date: 07/24/2025 01:25

Instrument ID: AG8860-1 Calib Start Date: 09/06/2024 13:59

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 09/06/2024 15:50

Lab File ID: 2025-07-24 01-25-22-04-00-44.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorprop	8.93	8.91	8.97
2,4-D	9.27	9.24	9.30
Pentachlorophenol	9.73	9.70	9.76
Silvex (2,4,5-TP)	10.03	10.00	10.06
2,4,5-T	10.36	10.33	10.39
Dinoseb	11.01	10.98	11.04
Picloram	11.74	11.71	11.77
2,4-Dichlorophenylacetic acid	7.89	7.86	7.92



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 480-752508/56 Calibration Date: 07/24/2025 04:12

Instrument ID: AG8860-1 Calib Start Date: 09/06/2024 13:59

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 09/06/2024 15:50

Lab File ID: 2025-07-24 04-12-04-04-00-53.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorprop	Ave	1139400	1137340		0.0998	0.100	-0.2	20.0
2,4-D	Ave	1372299	1399300		0.102	0.100	2.0	20.0
Pentachlorophenol	Ave	11886738	11429870		0.0962	0.100	-3.8	20.0
Silvex (2,4,5-TP)	Ave	4924969	4696550		0.0954	0.100	-4.6	20.0
2,4,5-T	Ave	4816522	4659710		0.0967	0.100	-3.3	20.0
Picloram	Ave	5314130	5001300		0.0941	0.100	-5.9	20.0
Dinoseb	Ave	3096010	3177280		0.103	0.100	2.6	20.0
2,4-Dichlorophenylacetic acid	Ave	1255799	1276760		0.102	0.100	1.7	20.0



FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 480-752508/56 Calibration Date: 07/24/2025 04:12

Instrument ID: AG8860-1 Calib Start Date: 09/06/2024 13:59

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 09/06/2024 15:50

Lab File ID: 2025-07-24 04-12-04-04-00-53.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorprop	7.53	7.50	7.56
2,4-D	7.80	7.78	7.84
Pentachlorophenol	8.09	8.06	8.12
Silvex (2,4,5-TP)	8.73	8.70	8.76
2,4,5-T	9.01	8.98	9.04
Picloram	10.27	10.24	10.30
Dinoseb	10.38	10.35	10.41
2,4-Dichlorophenylacetic acid	6.45	6.42	6.48

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

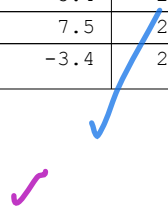
Lab Sample ID: CCV 480-752508/56 Calibration Date: 07/24/2025 04:12

Instrument ID: AG8860-1 Calib Start Date: 09/06/2024 13:59

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 09/06/2024 15:50

Lab File ID: 2025-07-24 04-12-04-04-00-53.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorprop	Ave	1045492	953490		0.0912	0.100	-8.8	20.0
2,4-D	Ave	1236288	1174490		0.0950	0.100	-5.0	20.0
Pentachlorophenol	Ave	9988726	9371730		0.0938	0.100	-6.2	20.0
Silvex (2,4,5-TP)	Ave	4095600	3774540		0.0922	0.100	-7.8	20.0
2,4,5-T	Ave	4066839	3895950		0.0958	0.100	-4.2	20.0
Dinoseb	Ave	2529570	2393750		0.0946	0.100	-5.4	20.0
Picloram	Ave	4261448	4581760		0.108	0.100	7.5	20.0
2,4-Dichlorophenylacetic acid	Ave	1079346	1042680		0.0966	0.100	-3.4	20.0



FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 480-752508/56 Calibration Date: 07/24/2025 04:12

Instrument ID: AG8860-1 Calib Start Date: 09/06/2024 13:59

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 09/06/2024 15:50

Lab File ID: 2025-07-24 04-12-04-04-00-53.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorprop	8.93	8.91	8.97
2,4-D	9.26	9.24	9.30
Pentachlorophenol	9.73	9.70	9.76
Silvex (2,4,5-TP)	10.03	10.00	10.06
2,4,5-T	10.36	10.33	10.39
Dinoseb	11.01	10.98	11.04
Picloram	11.74	11.71	11.77
2,4-Dichlorophenylacetic acid	7.89	7.86	7.92



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-752177/1-A

Matrix: Solid | Lab File ID: 2025-07-23 20-10-27-04-00-27.D

Analysis Method: 8151A | Date Collected:

Extraction Method: 8151A | Date Extracted: 07/19/2025 05:38

Sample wt/vol: 30(g) | Date Analyzed: 07/23/2025 20:10

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752508 | Units: ug/Kg

Preparation Batch No.: 752177 | Instrument ID: AG8860-1

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-76-5	2,4,5-T	ND		17	5.3
93-72-1	Silvex (2,4,5-TP)	ND		17	6.0
94-75-7	2,4-D	ND		17	11
120-36-5	Dichlorprop	ND		17	8.3
87-86-5	Pentachlorophenol	ND		17	5.4
1918-02-1	Picloram	ND		17	7.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	64		28-129

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-752177/1-A

Matrix: Solid | Lab File ID: 2025-07-23 20-10-27-04-00-27.D

Analysis Method: 8151A | Date Collected:

Extraction Method: 8151A | Date Extracted: 07/19/2025 05:38

Sample wt/vol: 30(g) | Date Analyzed: 07/23/2025 20:10

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752508 | Units: ug/Kg

Preparation Batch No.: 752177 | Instrument ID: AG8860-1

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	59		28-129

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-752177/2-A

Matrix: Solid | Lab File ID: 2025-07-23 20-28-56-04-00-28.D

Analysis Method: 8151A | Date Collected:

Extraction Method: 8151A | Date Extracted: 07/19/2025 05:38

Sample wt/vol: 30(g) | Date Analyzed: 07/23/2025 20:28

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752508 | Units: ug/Kg

Preparation Batch No.: 752177 | Instrument ID: AG8860-1

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-76-5	2,4,5-T	51.6		17	5.3
93-72-1	Silvex (2,4,5-TP)	51.4		17	6.0
94-75-7	2,4-D	52.1		17	11
120-36-5	Dichlorprop	55.1		17	8.3
87-86-5	Pentachlorophenol	28.7		17	5.4
1918-02-1	Picloram	46.1		17	7.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	86		28-129

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-752177/2-A

Matrix: Solid | Lab File ID: 2025-07-23 20-28-56-04-00-28.D

Analysis Method: 8151A | Date Collected:

Extraction Method: 8151A | Date Extracted: 07/19/2025 05:38

Sample wt/vol: 30(g) | Date Analyzed: 07/23/2025 20:28

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752508 | Units: ug/Kg

Preparation Batch No.: 752177 | Instrument ID: AG8860-1

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	74		28-129

HERBICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: AG8860-1 Start Date: 09/06/2024 13:59

Analysis Batch Number: 724216 End Date: 09/07/2024 03:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 480-724216/5 IC		09/06/2024 13:59	1	2024-09-06 13-59-09-04-00-05.D	RTX-CLPI 0.53(mm)
STD1 480-724216/5 IC		09/06/2024 13:59	1	2024-09-06 13-59-09-04-00-05.D	RTX-CLPII 0.53(mm)
STD2 480-724216/6 IC		09/06/2024 14:17	1	2024-09-06 14-17-45-04-00-06.D	RTX-CLPI 0.53(mm)
STD2 480-724216/6 IC		09/06/2024 14:17	1	2024-09-06 14-17-45-04-00-06.D	RTX-CLPII 0.53(mm)
STD3 480-724216/7 IC		09/06/2024 14:36	1	2024-09-06 14-36-20-04-00-07.D	RTX-CLPI 0.53(mm)
STD3 480-724216/7 IC		09/06/2024 14:36	1	2024-09-06 14-36-20-04-00-07.D	RTX-CLPII 0.53(mm)
STD4 480-724216/8 IC		09/06/2024 14:54	1	2024-09-06 14-54-49-04-00-08.D	RTX-CLPI 0.53(mm)
STD4 480-724216/8 IC		09/06/2024 14:54	1	2024-09-06 14-54-49-04-00-08.D	RTX-CLPII 0.53(mm)
STD5 480-724216/9 IC		09/06/2024 15:13	1	2024-09-06 15-13-19-04-00-09.D	RTX-CLPI 0.53(mm)
STD5 480-724216/9 IC		09/06/2024 15:13	1	2024-09-06 15-13-19-04-00-09.D	RTX-CLPII 0.53(mm)
STD6 480-724216/10 IC		09/06/2024 15:31	1	2024-09-06 15-31-56-04-00-10.D	RTX-CLPI 0.53(mm)
STD6 480-724216/10 IC		09/06/2024 15:31	1	2024-09-06 15-31-56-04-00-10.D	RTX-CLPII 0.53(mm)
STD7 480-724216/11 IC		09/06/2024 15:50	1	2024-09-06 15-50-23-04-00-11.D	RTX-CLPI 0.53(mm)
STD7 480-724216/11 IC		09/06/2024 15:50	1	2024-09-06 15-50-23-04-00-11.D	RTX-CLPII 0.53(mm)
ICV 480-724216/12		09/06/2024 16:08	1	2024-09-06 16-08-54-04-00-12.D	RTX-CLPI 0.53(mm)
ICV 480-724216/12		09/06/2024 16:08	1	2024-09-06 16-08-54-04-00-12.D	RTX-CLPII 0.53(mm)
CCV 480-724216/13		09/06/2024 16:27	1		RTX-CLPI 0.53(mm)
CCV 480-724216/13		09/06/2024 16:27	1		RTX-CLPII 0.53(mm)
ZZZZZ (QC)		09/06/2024 16:46	1		RTX-CLPI 0.53(mm)
ZZZZZ (QC)		09/06/2024 16:46	1		RTX-CLPII 0.53(mm)
ZZZZZ (QC)		09/06/2024 17:04	1		RTX-CLPI 0.53(mm)
ZZZZZ (QC)		09/06/2024 17:04	1		RTX-CLPII 0.53(mm)
ZZZZZ (QC)		09/06/2024 17:22	1		RTX-CLPI 0.53(mm)
ZZZZZ (QC)		09/06/2024 17:22	1		RTX-CLPII 0.53(mm)
ZZZZZ (QC)		09/06/2024 17:41	1		RTX-CLPI 0.53(mm)
ZZZZZ (QC)		09/06/2024 17:41	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/06/2024 17:59	1		RTX-CLPI 0.53(mm)

8151A

HERBICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: AG8860-1 Start Date: 09/06/2024 13:59

Analysis Batch Number: 724216 End Date: 09/07/2024 03:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ (Client)		09/06/2024 17:59	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/06/2024 18:18	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/06/2024 18:18	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/06/2024 18:37	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/06/2024 18:37	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/06/2024 18:55	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/06/2024 18:55	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/06/2024 19:14	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/06/2024 19:14	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/06/2024 19:32	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/06/2024 19:32	1		RTX-CLPII 0.53(mm)
CCV 480-724216/24		09/06/2024 19:51	1		RTX-CLPI 0.53(mm)
CCV 480-724216/24		09/06/2024 19:51	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/06/2024 20:09	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/06/2024 20:09	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/06/2024 20:28	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/06/2024 20:28	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/06/2024 20:46	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/06/2024 20:46	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/06/2024 21:05	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/06/2024 21:05	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/06/2024 21:23	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/06/2024 21:23	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/06/2024 21:42	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/06/2024 21:42	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/06/2024 22:00	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/06/2024 22:00	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/06/2024 22:19	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/06/2024 22:19	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/06/2024 22:37	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/06/2024 22:37	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/06/2024 22:56	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/06/2024 22:56	1		RTX-CLPII 0.53(mm)
CCV 480-724216/35		09/06/2024 23:14	1		RTX-CLPI 0.53(mm)
CCV 480-724216/35		09/06/2024 23:14	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/06/2024 23:51	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/06/2024 23:51	1		RTX-CLPII 0.53(mm)
CCV 480-724216/38		09/07/2024 00:10	1		RTX-CLPI 0.53(mm)
CCV 480-724216/38		09/07/2024 00:10	1		RTX-CLPII 0.53(mm)
ZZZZZ (QC)		09/07/2024 00:28	1		RTX-CLPI 0.53(mm)
ZZZZZ (QC)		09/07/2024 00:28	1		RTX-CLPII 0.53(mm)
ZZZZZ (QC)		09/07/2024 00:47	1		RTX-CLPI 0.53(mm)
ZZZZZ (QC)		09/07/2024 00:47	1		RTX-CLPII 0.53(mm)
ZZZZZ (QC)		09/07/2024 01:05	1		RTX-CLPI 0.53(mm)
ZZZZZ (QC)		09/07/2024 01:05	1		RTX-CLPII 0.53(mm)

8151A

HERBICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: AG8860-1 Start Date: 09/06/2024 13:59

Analysis Batch Number: 724216 End Date: 09/07/2024 03:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ (QC)		09/07/2024 01:24	1		RTX-CLPI 0.53(mm)
ZZZZZ (QC)		09/07/2024 01:24	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/07/2024 01:42	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/07/2024 01:42	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/07/2024 02:01	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/07/2024 02:01	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/07/2024 02:19	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/07/2024 02:19	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/07/2024 02:38	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/07/2024 02:38	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		09/07/2024 02:56	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		09/07/2024 02:56	1		RTX-CLPII 0.53(mm)
CCV 480-724216/48		09/07/2024 03:15	1		RTX-CLPI 0.53(mm)
CCV 480-724216/48		09/07/2024 03:15	1		RTX-CLPII 0.53(mm)

HERBICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: AG8860-1 Start Date: 07/23/2025 11:40

Analysis Batch Number: 752508 End Date: 07/24/2025 04:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-752508/3		07/23/2025 11:40	1		RTX-CLPI 0.53(mm)
CCV 480-752508/3		07/23/2025 11:40	1		RTX-CLPII 0.53(mm)
ZZZZZ (QC)		07/23/2025 12:11	1		RTX-CLPI 0.53(mm)
ZZZZZ (QC)		07/23/2025 12:11	1		RTX-CLPII 0.53(mm)
ZZZZZ (QC)		07/23/2025 12:27	1		RTX-CLPI 0.53(mm)
ZZZZZ (QC)		07/23/2025 12:27	1		RTX-CLPII 0.53(mm)
ZZZZZ (QC)		07/23/2025 12:45	1		RTX-CLPI 0.53(mm)
ZZZZZ (QC)		07/23/2025 12:45	1		RTX-CLPII 0.53(mm)
ZZZZZ (QC)		07/23/2025 13:04	1		RTX-CLPI 0.53(mm)
ZZZZZ (QC)		07/23/2025 13:04	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 13:22	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 13:22	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 13:41	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 13:41	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 13:59	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 13:59	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 14:18	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 14:18	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 14:36	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 14:36	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 14:55	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 14:55	1		RTX-CLPII 0.53(mm)
CCV 480-752508/14		07/23/2025 15:13	1		RTX-CLPI 0.53(mm)
CCV 480-752508/14		07/23/2025 15:13	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 15:32	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 15:32	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 15:50	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 15:50	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 16:09	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 16:09	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 16:28	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 16:28	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 16:46	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 16:46	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 17:05	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 17:05	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 17:23	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 17:23	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 17:42	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 17:42	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 18:00	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 18:00	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 18:19	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 18:19	1		RTX-CLPII 0.53(mm)

8151A

HERBICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: AG8860-1 Start Date: 07/23/2025 11:40

Analysis Batch Number: 752508 End Date: 07/24/2025 04:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-752508/25		07/23/2025 18:37	1	2025-07-23 18-37-49-04-00-22.D	RTX-CLPI 0.53(mm)
CCV 480-752508/25		07/23/2025 18:37	1	2025-07-23 18-37-49-04-00-22.D	RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 18:56	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 18:56	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 19:14	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 19:14	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 19:33	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 19:33	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 19:51	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 19:51	1		RTX-CLPII 0.53(mm)
MB 480-752177/1-A		07/23/2025 20:10	1	2025-07-23 20-10-27-04-00-27.D	RTX-CLPI 0.53(mm)
MB 480-752177/1-A		07/23/2025 20:10	1	2025-07-23 20-10-27-04-00-27.D	RTX-CLPII 0.53(mm)
LCS 480-752177/2-A		07/23/2025 20:28	1	2025-07-23 20-28-56-04-00-28.D	RTX-CLPI 0.53(mm)
LCS 480-752177/2-A		07/23/2025 20:28	1	2025-07-23 20-28-56-04-00-28.D	RTX-CLPII 0.53(mm)
ZZZZZ (QC)		07/23/2025 20:47	1		RTX-CLPI 0.53(mm)
ZZZZZ (QC)		07/23/2025 20:47	1		RTX-CLPII 0.53(mm)
ZZZZZ (QC)		07/23/2025 21:06	1		RTX-CLPI 0.53(mm)
ZZZZZ (QC)		07/23/2025 21:06	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 21:24	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 21:24	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 21:43	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 21:43	1		RTX-CLPII 0.53(mm)
CCV 480-752508/36		07/23/2025 22:01	1	2025-07-23 22-01-33-04-00-33.D	RTX-CLPI 0.53(mm)
CCV 480-752508/36		07/23/2025 22:01	1	2025-07-23 22-01-33-04-00-33.D	RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 22:20	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 22:20	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 22:38	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 22:38	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 22:57	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 22:57	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 23:15	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 23:15	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 23:34	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 23:34	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/23/2025 23:52	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/23/2025 23:52	1		RTX-CLPII 0.53(mm)

8151A

w/i HT (extract w/i 14d)

HERBICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: AG8860-1 Start Date: 07/23/2025 11:40

Analysis Batch Number: 752508 End Date: 07/24/2025 04:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ (Client)		07/24/2025 00:11	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/24/2025 00:11	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/24/2025 00:29	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/24/2025 00:29	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/24/2025 00:48	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/24/2025 00:48	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/24/2025 01:06	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/24/2025 01:06	1		RTX-CLPII 0.53(mm)
CCV 480-752508/47		07/24/2025 01:25	1	2025-07-24 01-25-22-04-00-44.D	RTX-CLPI 0.53(mm)
CCV 480-752508/47		07/24/2025 01:25	1	2025-07-24 01-25-22-04-00-44.D	RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/24/2025 01:43	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/24/2025 01:43	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/24/2025 02:02	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/24/2025 02:02	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/24/2025 02:20	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/24/2025 02:20	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/24/2025 02:39	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/24/2025 02:39	1		RTX-CLPII 0.53(mm)
480-231006-3	SB1-12'-48"	07/24/2025 02:57	1	2025-07-24 02-57-55-04-00-49.D	RTX-CLPI 0.53(mm)
480-231006-3	SB1-12'-48"	07/24/2025 02:57	1	2025-07-24 02-57-55-04-00-49.D	RTX-CLPII 0.53(mm)
480-231006-5	SB1-5'-8'	07/24/2025 03:16	1	2025-07-24 03-16-31-04-00-50.D	RTX-CLPI 0.53(mm)
480-231006-5	SB1-5'-8'	07/24/2025 03:16	1	2025-07-24 03-16-31-04-00-50.D	RTX-CLPII 0.53(mm)
480-231006-12	SB2-12"-5'	07/24/2025 03:35	1	2025-07-24 03-35-01-04-00-51.D	RTX-CLPI 0.53(mm)
480-231006-12	SB2-12"-5'	07/24/2025 03:35	1	2025-07-24 03-35-01-04-00-51.D	RTX-CLPII 0.53(mm)
480-231006-14	SB2-9'-10'	07/24/2025 03:53	1	2025-07-24 03-53-31-04-00-52.D	RTX-CLPI 0.53(mm)
480-231006-14	SB2-9'-10'	07/24/2025 03:53	1	2025-07-24 03-53-31-04-00-52.D	RTX-CLPII 0.53(mm)
CCV 480-752508/56		07/24/2025 04:12	1	2025-07-24 04-12-04-04-00-53.D	RTX-CLPI 0.53(mm)
CCV 480-752508/56		07/24/2025 04:12	1	2025-07-24 04-12-04-04-00-53.D	RTX-CLPII 0.53(mm)

8151A

HERBICIDES BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 724216 Batch Start Date: 09/06/24 13:59 Batch Analyst: Neary, Mary A

Batch Method: 8151A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	Herb ICV 0.1 00018	Herb_Cal 0.02 00018	Herb_Cal 0.05 00018	Herb_Cal 0.15 00019	Herb_Cal 0.20 00019
STD1 480-724216/5 IC		8151A			1 mL					
STD2 480-724216/6 IC		8151A			1 mL					
STD3 480-724216/7 IC		8151A			1 mL					1 mL
STD4 480-724216/8 IC		8151A			1 mL				1 mL	
STD5 480-724216/9 IC		8151A			1 mL					
STD6 480-724216/10 IC		8151A			1 mL			1 mL		
STD7 480-724216/11 IC		8151A			1 mL		1 mL			
ICV 480-724216/12		8151A			1 mL	1 mL				

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	Herb_Cal 0.25 00018	Herb_Cal 0.5 00019	Herb_CAL_0.10 00163			
STD1 480-724216/5 IC		8151A				1 mL				
STD2 480-724216/6 IC		8151A			1 mL					
STD3 480-724216/7 IC		8151A								
STD4 480-724216/8 IC		8151A								
STD5 480-724216/9 IC		8151A					1 mL			
STD6 480-724216/10 IC		8151A								
STD7 480-724216/11 IC		8151A								
ICV 480-724216/12		8151A								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

HERBICIDES BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 724216 Batch Start Date: 09/06/24 13:59 Batch Analyst: Neary, Mary A

Batch Method: 8151A Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

HERBICIDES BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 752177 Batch Start Date: 07/19/25 05:32 Batch Analyst: Fani, Viola X

Batch Method: 8151A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	pHSoilLess2	FirstpHGreater12	SecondpHLess2	O_8151spike00094
MB 480-752177/1		8151A, 8151A			30 g	10 mL	<2	>11	<2	
LCS 480-752177/2		8151A, 8151A			30 g	10 mL	<2	>11	<2	1 mL
480-231006-B-3	SB1-12'-48"	8151A, 8151A	Solid	T	30.15 g	10 mL	<2	>11	<2	
480-231006-B-5	SB1-5'-8'	8151A, 8151A	Solid	T	30.04 g	10 mL	<2	>11	<2	
480-231006-B-12	SB2-12"-5'	8151A, 8151A	Solid	T	30.08 g	10 mL	<2	>11	<2	
480-231006-B-14	SB2-9'-10'	8151A, 8151A	Solid	T	30.03 g	10 mL	<2	>11	<2	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	O_8151surroga00044	AnalysisComment				
MB 480-752177/1		8151A, 8151A			1 mL	200 ul diazomethane added				
LCS 480-752177/2		8151A, 8151A			1 mL	200 ul diazomethane added				
480-231006-B-3	SB1-12'-48"	8151A, 8151A	Solid	T	1 mL	200 ul diazomethane added				
480-231006-B-5	SB1-5'-8'	8151A, 8151A	Solid	T	1 mL	200 ul diazomethane added				
480-231006-B-12	SB2-12"-5'	8151A, 8151A	Solid	T	1 mL	200 ul diazomethane added				
480-231006-B-14	SB2-9'-10'	8151A, 8151A	Solid	T	1 mL	200 ul diazomethane added				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

HERBICIDES BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 752177 Batch Start Date: 07/19/25 05:32 Batch Analyst: Fani, Viola X

Batch Method: 8151A Batch End Date:

Batch Notes	
Nominal Amount Used	30 g
TMSDM ID	8186877
1:1 Sulfuric + Water Lot ID	8329392
Acidic Sodium Sulfate ID	8369580
Diethyl Ether ID	8349991
Prep Solvent Volume Used	300 mL
Potassium Hydroxide ID	8325680
Sulfuric Acid Lot Number	8362100
Silicic Acid ID	7661975
Hexane ID	8348277
Sufficient volume for MS/MSD?	Yes
Balance ID	Balance #5
Balance is Level? (Y/N)	yes
Blank Soil Lot Number	8369580
pH Paper ID	HC457151
Analyst ID - Reagent Drop	VF
MeCL2 ID	8369582
MeCl2 / Acetone ID	8369582/8357978
Pipette ID	C60561584, L35082C
Vial Lot Number	1709111094
Hydrochloric Acid ID	7497561
Methanol ID	8311096
Pipette Tip Lot ID	M212329L
Batch Comment	Filtered by: VF Esterified by VF 07/23/25

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8082A

Polychlorinated Biphenyls (PCBs) (GC) by Method 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

Client Sample ID	Lab Sample ID	TCX1	#	TCX2	#	DCB1	#	DCB2	#
SB1-12'-48"	480-231006-3	90		55	S1-p	74		60	S1-
SB1-5'-8'	480-231006-5	81		55	S1-	75		68	
SB2-12"-5'	480-231006-12	82		44	S1-p	74		61	S1-
SB2-9'-10'	480-231006-14	87		61	S1-	82		67	
	MB 410-674180/1-A	93		88		93		101	
	LCS 410-674180/2-A	92		88		96		107	
SB1-12'-48" MS	480-231006-3 MS	96		57	S1-p	72		68	
SB1-12'-48" MSD	480-231006-3 MSD	91		55	S1-p	76		65	S1-

all results reported from col 1

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

QC LIMITS
68-130
66-130

Column to be used to flag recovery values

FORM II 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 44PCBS25196008.008.D

Lab ID: LCS 410-674180/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	0.167	0.145	87	68-121	
PCB-1260	0.167	0.151	90	75-130	

Column to be used to flag recovery and RPD values

FORM III 8082A

not validating MS/MSD sample in this review

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 44PCBS25196008.024.D

Lab ID: 480-231006-3 MS Client ID: SB1-12'-48" MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
PCB-1016	0.177	ND	0.137	78	68-121	
PCB-1260	0.177	ND	0.128	72	75-130	F1

Low %R - J/UJ to parent sample

When spike for 1260 fails for QC, also qual 1254

and check 1248 to see "if peaks at the same retention time (RT) were used for calibration of both Aroclor 1248 and the Aroclor(s) that failed criteria" - none

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 44PCBS25196008.025.D

Lab ID: 480-231006-3 MSD Client ID: SB1-12'-48" MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	0.176	0.135	77	38	50	68-121	
PCB-1260	0.176	0.127	72	1	50	75-130	F1

Low %R - J/UJ to parent sample

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: MB 410-674180/1-A

Matrix: Solid Date Extracted: 07/21/2025 17:00

Lab File ID:(1) 44PCBS25196008.007.D Lab File ID:(2) 44PCBS25196008.007.D

Date Analyzed:(1) 07/22/2025 10:19 Date Analyzed:(2) 07/22/2025 10:19

Instrument ID:(1) 17342 Instrument ID:(2) 17342

GC Column:(1) DB CLP1 ID: 0.32(mm) GC Column:(2) DB CLP2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 410-674180/2-A	07/22/2025 10:30	07/22/2025 10:30
SB1-12'-48" MS	480-231006-3 MS	07/22/2025 13:18	07/22/2025 13:18
SB1-12'-48" MSD	480-231006-3 MSD	07/22/2025 13:28	07/22/2025 13:28
SB1-12'-48"	480-231006-3	07/22/2025 13:39	07/22/2025 13:39
SB1-5'-8'	480-231006-5	07/22/2025 14:31	07/22/2025 14:31
SB2-12"-5'	480-231006-12	07/22/2025 14:42	07/22/2025 14:42
SB2-9'-10'	480-231006-14	07/22/2025 14:52	07/22/2025 14:52

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Sample No.: CCVRT 410-674459/5 Date Analyzed: 07/22/2025 09:58

Instrument ID: 17342 GC Column: DB CLP1 ID: 0.32(mm)

Lab File ID (Standard): 44PCBS25196008.005. Heated Purge: (Y/N) N

Calibration ID: 74712

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				2.26	5.56	
UPPER LIMIT				2.29	5.59	
LOWER LIMIT				2.23	5.53	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 410-674459/5		07/22/2025 09:58	44PCBS25196008.005.D	2.26	5.56	
PIBLK 410-674459/6		07/22/2025 10:09	44PCBS25196008.006.D	2.26	5.56	
MB 410-674180/1-A		07/22/2025 10:19	44PCBS25196008.007.D	2.26	5.56	
LCS 410-674180/2-A		07/22/2025 10:30	44PCBS25196008.008.D	2.26	5.56	
CCV 410-674459/17		07/22/2025 12:04	44PCBS25196008.017.D	2.26	5.56	
PIBLK 410-674459/18		07/22/2025 12:14	44PCBS25196008.018.D	2.26	5.56	
480-231006-3 MS	SB1-12'-48" MS	07/22/2025 13:18	44PCBS25196008.024.D	2.26	5.56	
480-231006-3 MSD	SB1-12'-48" MSD	07/22/2025 13:28	44PCBS25196008.025.D	2.26	5.56	
480-231006-3	SB1-12'-48"	07/22/2025 13:39	44PCBS25196008.026.D	2.26	5.56	
CCV 410-674459/29		07/22/2025 14:10	44PCBS25196008.029.D	2.26	5.57	
PIBLK 410-674459/30		07/22/2025 14:21	44PCBS25196008.030.D	2.26	5.56	
480-231006-5	SB1-5'-8'	07/22/2025 14:31	44PCBS25196008.031.D	2.26	5.56	
480-231006-12	SB2-12"-5'	07/22/2025 14:42	44PCBS25196008.032.D	2.26	5.56	
480-231006-14	SB2-9'-10'	07/22/2025 14:52	44PCBS25196008.033.D	2.26	5.56	
CCV 410-674459/41		07/22/2025 16:16	44PCBS25196008.041.D	2.26	5.56	
PIBLK 410-674459/42		07/22/2025 16:27	44PCBS25196008.042.D	2.26	5.56	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Sample No.: CCVRT 410-674459/5 Date Analyzed: 07/22/2025 09:58

Instrument ID: 17342 GC Column: DB CLP2 ID: 0.32(mm)

Lab File ID (Standard): 44PCBS25196008.005. Heated Purge: (Y/N) N

Calibration ID: 74713

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				2.78	6.24	
UPPER LIMIT				2.81	6.27	
LOWER LIMIT				2.75	6.21	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 410-674459/5		07/22/2025 09:58	44PCBS25196008.005.D	2.78	6.24	
PIBLK 410-674459/6		07/22/2025 10:09	44PCBS25196008.006.D	2.78	6.24	
MB 410-674180/1-A		07/22/2025 10:19	44PCBS25196008.007.D	2.78	6.24	
LCS 410-674180/2-A		07/22/2025 10:30	44PCBS25196008.008.D	2.78	6.25	
CCV 410-674459/17		07/22/2025 12:04	44PCBS25196008.017.D	2.78	6.24	
PIBLK 410-674459/18		07/22/2025 12:14	44PCBS25196008.018.D	2.78	6.24	
480-231006-3 MS	SB1-12'-48" MS	07/22/2025 13:18	44PCBS25196008.024.D	2.78	6.24	
480-231006-3 MSD	SB1-12'-48" MSD	07/22/2025 13:28	44PCBS25196008.025.D	2.78	6.24	
480-231006-3	SB1-12'-48"	07/22/2025 13:39	44PCBS25196008.026.D	2.78	6.24	
CCV 410-674459/29		07/22/2025 14:10	44PCBS25196008.029.D	2.78	6.25	
PIBLK 410-674459/30		07/22/2025 14:21	44PCBS25196008.030.D	2.78	6.25	
480-231006-5	SB1-5'-8'	07/22/2025 14:31	44PCBS25196008.031.D	2.78	6.24	
480-231006-12	SB2-12"-5'	07/22/2025 14:42	44PCBS25196008.032.D	2.78	6.24	
480-231006-14	SB2-9'-10'	07/22/2025 14:52	44PCBS25196008.033.D	2.78	6.24	
CCV 410-674459/41		07/22/2025 16:16	44PCBS25196008.041.D	2.78	6.24	
PIBLK 410-674459/42		07/22/2025 16:27	44PCBS25196008.042.D	2.78	6.24	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-674180/2-A

Instrument ID (1): 17342 Instrument ID (2): 17342

Date Analyzed (1): 07/22/2025 10:30 Date Analyzed (2): 07/22/2025 10:30

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	RPD (<40)
PCB-1016	1	1	2.55	2.52	2.58	136	0.145	5.8
		2	2.77	2.74	2.80	143		
		3	3.04	3.01	3.07	152		
		4	3.09	3.06	3.12	144		
		5	3.19	3.16	3.22	148		
		6	3.35	3.32	3.38	145		
	2	1	2.98	2.95	3.01	119	0.136	
		2	3.20	3.17	3.23	121		
		3	3.53	3.50	3.56	149		
		4	3.62	3.59	3.65	146		
		5	3.70	3.67	3.73	144		
		6	3.79	3.76	3.82	139		
PCB-1260	1	1	4.10	4.07	4.13	156	0.151	0.3
		2	4.53	4.50	4.56	140		
		3	4.66	4.62	4.68	162		
		4	4.85	4.82	4.88	142		
		5	4.89	4.86	4.92	156		
		6	5.20	5.17	5.23	150		
	2	1	4.50	4.47	4.53	159	0.150	
		2	4.66	4.62	4.68	154		
		3	5.03	5.00	5.06	147		
		4	5.22	5.19	5.25	152		
		5	5.41	5.38	5.44	151		
		6	5.80	5.77	5.83	140		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48" MS Lab Sample ID: 480-231006-3 MS

Instrument ID (1): 17342 Instrument ID (2): 17342

Date Analyzed (1): 07/22/2025 13:18 Date Analyzed (2): 07/22/2025 13:18

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.55	2.52	2.58	141	0.137	39.9
		2	2.77	2.74	2.80	144		
		3	3.03	3.01	3.07	135		
		4	3.09	3.06	3.12	137		
		5	3.19	3.16	3.22	136		
		6	3.35	3.32	3.38	130		
	2	1	2.98	2.95	3.01	95.7	0.0915	
		2	3.20	3.17	3.23	88.2		
		3	3.53	3.50	3.56	99.4		
		4	3.62	3.59	3.65	90.5		
		5	3.70	3.67	3.73	86.6		
		6	3.79	3.76	3.82	88.6		
PCB-1260	1	1	4.10	4.07	4.13	135	0.128	26.5
		2	4.52	4.50	4.56	115		
		3	4.65	4.62	4.68	137		
		4	4.85	4.82	4.88	119		
		5	4.89	4.86	4.92	134		
		6	5.20	5.17	5.23	129		
	2	1	4.50	4.47	4.53	92.6	0.0981	
		2	4.65	4.62	4.68	94.5		
		3	5.03	5.00	5.06	97.0		
		4	5.22	5.19	5.25	105		
		5	5.41	5.38	5.44	100		
		6	5.80	5.77	5.83	99.4		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48" MSD Lab Sample ID: 480-231006-3 MSD

Instrument ID (1): 17342 Instrument ID (2): 17342

Date Analyzed (1): 07/22/2025 13:28 Date Analyzed (2): 07/22/2025 13:28

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.55	2.52	2.58	136	0.135	41.0
		2	2.77	2.74	2.80	140		
		3	3.04	3.01	3.07	140		
		4	3.09	3.06	3.12	134		
		5	3.19	3.16	3.22	135		
		6	3.35	3.32	3.38	123		
	2	1	2.98	2.95	3.01	92.5	0.0889	
		2	3.20	3.17	3.23	93.8		
		3	3.53	3.50	3.56	92.5		
		4	3.62	3.59	3.65	88.2		
		5	3.70	3.67	3.73	83.6		
		6	3.79	3.76	3.82	82.6		
PCB-1260	1	1	4.10	4.07	4.13	134	0.127	36.3
		2	4.52	4.50	4.56	117		
		3	4.65	4.62	4.68	136		
		4	4.85	4.82	4.88	121		
		5	4.89	4.86	4.92	131		
		6	5.20	5.17	5.23	124		
	2	1	4.50	4.47	4.53	84.8	0.0882	
		2	4.65	4.62	4.68	87.4		
		3	5.03	5.00	5.06	84.3		
		4	5.22	5.19	5.25	90.1		
		5	5.41	5.38	5.44	92.6		
		6	5.80	5.77	5.83	89.8		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48"
Lab Sample ID: 480-231006-3

Matrix: Solid
Lab File ID: 44PCBS25196008.026.D

Analysis Method: 8082A
Date Collected: 07/09/2025 12:00

Extraction Method: 3546
Date Extracted: 07/21/2025 17:00

Sample wt/vol: 30.1(g)
Date Analyzed: 07/22/2025 13:39

Con. Extract Vol.: 10(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: 6.0 % Solids: 94.0
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: mg/Kg

Preparation Batch No.: 674180
Instrument ID: 17342

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.018	0.0056
11104-28-2	PCB-1221	ND		0.018	0.0056
11141-16-5	PCB-1232	ND		0.018	0.0056
53469-21-9	PCB-1242	ND		0.018	0.0056
12672-29-6	PCB-1248	ND		0.018	0.0056
11097-69-1	PCB-1254	ND		0.018	0.0068
11096-82-5	PCB-1260	ND	F1	0.018	0.0068

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	90		68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	74		66-130

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48"
Lab Sample ID: 480-231006-3

Matrix: Solid
Lab File ID: 44PCBS25196008.026.D

Analysis Method: 8082A
Date Collected: 07/09/2025 12:00

Extraction Method: 3546
Date Extracted: 07/21/2025 17:00

Sample wt/vol: 30.1(g)
Date Analyzed: 07/22/2025 13:39

Con. Extract Vol.: 10(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: 6.0 % Solids: 94.0
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: mg/Kg

Preparation Batch No.: 674180
Instrument ID: 17342

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	55	S1- p	68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	60	S1-	66-130

reported from col 1

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-5'-8'
Lab Sample ID: 480-231006-5

Matrix: Solid
Lab File ID: 44PCBS25196008.031.D

Analysis Method: 8082A
Date Collected: 07/09/2025 12:45

Extraction Method: 3546
Date Extracted: 07/21/2025 17:00

Sample wt/vol: 30.1(g)
Date Analyzed: 07/22/2025 14:31

Con. Extract Vol.: 10(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: 4.0 % Solids: 96.0
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: mg/Kg

Preparation Batch No.: 674180
Instrument ID: 17342

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.018	0.0055
11104-28-2	PCB-1221	ND		0.018	0.0055
11141-16-5	PCB-1232	ND		0.018	0.0055
53469-21-9	PCB-1242	ND		0.018	0.0055
12672-29-6	PCB-1248	ND		0.018	0.0055
11097-69-1	PCB-1254	ND		0.018	0.0066
11096-82-5	PCB-1260	ND		0.018	0.0066

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	81		68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	75		66-130

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-5'-8'
Lab Sample ID: 480-231006-5

Matrix: Solid
Lab File ID: 44PCBS25196008.031.D

Analysis Method: 8082A
Date Collected: 07/09/2025 12:45

Extraction Method: 3546
Date Extracted: 07/21/2025 17:00

Sample wt/vol: 30.1(g)
Date Analyzed: 07/22/2025 14:31

Con. Extract Vol.: 10(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: 4.0 % Solids: 96.0
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: mg/Kg

Preparation Batch No.: 674180
Instrument ID: 17342

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	55	S1-	68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	68		66-130

reported from col 1

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-12"-5'
Lab Sample ID: 480-231006-12

Matrix: Solid
Lab File ID: 44PCBS25196008.032.D

Analysis Method: 8082A
Date Collected: 07/09/2025 13:30

Extraction Method: 3546
Date Extracted: 07/21/2025 17:00

Sample wt/vol: 30.2(g)
Date Analyzed: 07/22/2025 14:42

Con. Extract Vol.: 10(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: 10.3 % Solids: 89.7
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: mg/Kg

Preparation Batch No.: 674180
Instrument ID: 17342

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.019	0.0059
11104-28-2	PCB-1221	ND		0.019	0.0059
11141-16-5	PCB-1232	ND		0.019	0.0059
53469-21-9	PCB-1242	ND		0.019	0.0059
12672-29-6	PCB-1248	ND		0.019	0.0059
11097-69-1	PCB-1254	ND		0.019	0.0071
11096-82-5	PCB-1260	ND		0.019	0.0071

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82		68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	74		66-130

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-12"-5'
Lab Sample ID: 480-231006-12

Matrix: Solid
Lab File ID: 44PCBS25196008.032.D

Analysis Method: 8082A
Date Collected: 07/09/2025 13:30

Extraction Method: 3546
Date Extracted: 07/21/2025 17:00

Sample wt/vol: 30.2(g)
Date Analyzed: 07/22/2025 14:42

Con. Extract Vol.: 10(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: 10.3 % Solids: 89.7
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: mg/Kg

Preparation Batch No.: 674180
Instrument ID: 17342

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	44	S1- p	68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	61	S1-	66-130

reported from col 1

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-9'-10'
Lab Sample ID: 480-231006-14

Matrix: Solid
Lab File ID: 44PCBS25196008.033.D

Analysis Method: 8082A
Date Collected: 07/09/2025 14:00

Extraction Method: 3546
Date Extracted: 07/21/2025 17:00

Sample wt/vol: 30.2(g)
Date Analyzed: 07/22/2025 14:52

Con. Extract Vol.: 10(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: 9.1 % Solids: 90.9
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: mg/Kg

Preparation Batch No.: 674180
Instrument ID: 17342

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.019	0.0058
11104-28-2	PCB-1221	ND		0.019	0.0058
11141-16-5	PCB-1232	ND		0.019	0.0058
53469-21-9	PCB-1242	ND		0.019	0.0058
12672-29-6	PCB-1248	ND		0.019	0.0058
11097-69-1	PCB-1254	ND		0.019	0.0070
11096-82-5	PCB-1260	ND		0.019	0.0070

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	87		68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	82		66-130

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-9'-10'
Lab Sample ID: 480-231006-14

Matrix: Solid
Lab File ID: 44PCBS25196008.033.D

Analysis Method: 8082A
Date Collected: 07/09/2025 14:00

Extraction Method: 3546
Date Extracted: 07/21/2025 17:00

Sample wt/vol: 30.2(g)
Date Analyzed: 07/22/2025 14:52

Con. Extract Vol.: 10(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: 9.1 % Solids: 90.9
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: mg/Kg

Preparation Batch No.: 674180
Instrument ID: 17342

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	61	S1-	68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	67		66-130

reported from col 1

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 19:31 Calibration End Date: 07/15/2025 20:23 Calibration ID: 74712

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-671695/8	44PCBS25196001.008.D
Level 2	IC 410-671695/9	44PCBS25196001.009.D
Level 3	IC 410-671695/10	44PCBS25196001.010.D
Level 4	ICRT 410-671695/11	44PCBS25196001.011.D
Level 5	IC 410-671695/12	44PCBS25196001.012.D
Level 6	IC 410-671695/13	44PCBS25196001.013.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1016 Peak 1	2.551	2.550	2.551	2.551	2.552	2.552					2.521 - 2.581	2.551
PCB-1016 Peak 2	2.769	2.769	2.769	2.769	2.770	2.770					2.739 - 2.799	2.769
PCB-1016 Peak 3	3.036	3.036	3.035	3.036	3.036	3.036					3.006 - 3.066	3.036
PCB-1016 Peak 4	3.092	3.092	3.092	3.092	3.093	3.093					3.062 - 3.122	3.092
PCB-1016 Peak 5	3.194	3.194	3.193	3.194	3.194	3.194					3.164 - 3.224	3.194
PCB-1016 Peak 6	3.349	3.348	3.348	3.348	3.349	3.349					3.318 - 3.378	3.349
PCB-1260 Peak 1	4.105	4.103	4.103	4.103	4.103	4.103					4.073 - 4.133	4.103
PCB-1260 Peak 2	4.528	4.524	4.523	4.524	4.523	4.524					4.494 - 4.554	4.524
PCB-1260 Peak 3	4.658	4.653	4.653	4.653	4.653	4.653					4.623 - 4.683	4.654
PCB-1260 Peak 4	4.852	4.848	4.846	4.848	4.846	4.847					4.818 - 4.878	4.848
PCB-1260 Peak 5	4.893	4.889	4.887	4.888	4.888	4.888					4.858 - 4.918	4.889
PCB-1260 Peak 6	5.204	5.200	5.198	5.198	5.198	5.199					5.168 - 5.228	5.200
Tetrachloro-m-xylene	2.258	2.257	2.258	2.258	2.259	2.259					2.228 - 2.288	2.258
DCB Decachlorobiphenyl (Surr)	5.563	5.558	5.554	5.557	5.555	5.557					5.527 - 5.587	5.557

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 19:31 Calibration End Date: 07/15/2025 20:23 Calibration ID: 74712

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-671695/8	44PCBS25196001.008.D
Level 2	IC 410-671695/9	44PCBS25196001.009.D
Level 3	IC 410-671695/10	44PCBS25196001.010.D
Level 4	ICRT 410-671695/11	44PCBS25196001.011.D
Level 5	IC 410-671695/12	44PCBS25196001.012.D
Level 6	IC 410-671695/13	44PCBS25196001.013.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	1276711 852319	1212825 829643	1099663	965584	Ave		1039457.42				18.0		20.0			
PCB-1016 Peak 2	2092422 1427269	1991146 1450061	1791647	1578933	Ave		1721913.16				16.3		20.0			
PCB-1016 Peak 3	4076431 3031811	3797552 3139984	3614918	3292192	Ave		3492147.94				11.6		20.0			
PCB-1016 Peak 4	2313724 1683368	2214200 1616456	1985465	1866934	Ave		1946691.18				14.4		20.0			
PCB-1016 Peak 5	2050865 1427751	1939337 1420428	1736220	1565043	Ave		1689940.70				15.7		20.0			
PCB-1016 Peak 6	2179720 1597114	2159071 1636094	1919157	1754385	Ave		1874256.65				13.6		20.0			
PCB-1260 Peak 1	5044898 4112330	5027815 4126605	4704956	4291951	Ave		4551425.85				9.5		20.0			
PCB-1260 Peak 2	3497873 2816104	3325147 2810462	3183779	2984282	Ave		3102941.23				9.0		20.0			
PCB-1260 Peak 3	7127937 6624600	7295045 6676027	6813004	6615605	Ave		6858702.83				4.2		20.0			
PCB-1260 Peak 4	1785781 1340778	1665819 1374197	1531849	1410538	Ave		1518160.62				11.7		20.0			
PCB-1260 Peak 5	4765042 4162476	4627894 4249006	4403806	4120306	Ave		4388088.33				6.0		20.0			
PCB-1260 Peak 6	1765949 1461793	1774614 1485109	1670715	1543445	Ave		1616937.67				8.6		20.0			
Tetrachloro-m-xylene	57802391 43773561	51124888 43468646	49139633	45959890	Ave		48544834.7				11.2		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 19:31 Calibration End Date: 07/15/2025 20:23 Calibration ID: 74712

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
DCB Decachlorobiphenyl (Surr)	57517167 46344344	55213226 43932628	49247752	45216223	Ave		49578556.8				11.3		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 19:31 Calibration End Date: 07/15/2025 20:23 Calibration ID: 74712

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-671695/8	44PCBS25196001.008.D
Level 2	IC 410-671695/9	44PCBS25196001.009.D
Level 3	IC 410-671695/10	44PCBS25196001.010.D
Level 4	ICRT 410-671695/11	44PCBS25196001.011.D
Level 5	IC 410-671695/12	44PCBS25196001.012.D
Level 6	IC 410-671695/13	44PCBS25196001.013.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	32131628 835202029	61047541	110703040	194410642	429014557	25.2 1007	50.3	101	201	503
PCB-1016 Peak 2	Ave	52661029 1459776869	100224332	180365117	317902436	718415916	25.2 1007	50.3	101	201	503
PCB-1016 Peak 3	Ave	102593576 3161022249	191149759	363913792	662849907	1526062022	25.2 1007	50.3	101	201	503
PCB-1016 Peak 4	Ave	58230640 1627286563	111451751	199876788	375888467	847323339	25.2 1007	50.3	101	201	503
PCB-1016 Peak 5	Ave	51615148 1429945065	97616504	174785285	315105694	718658714	25.2 1007	50.3	101	201	503
PCB-1016 Peak 6	Ave	54858096 1647055362	108676847	193201507	353227818	803907358	25.2 1007	50.3	101	201	503
PCB-1260 Peak 1	Ave	126879184 4151364765	252899071	473318603	863540599	2068501925	25.2 1006	50.3	101	201	503
PCB-1260 Peak 2	Ave	87971515 2827324943	167254898	320288178	600437475	1416500300	25.2 1006	50.3	101	201	503
PCB-1260 Peak 3	Ave	179267607 6716082691	366940783	685388195	1331059717	3332173556	25.2 1006	50.3	101	201	503
PCB-1260 Peak 4	Ave	44912404 1382442638	83790696	154104056	283800279	674411410	25.2 1006	50.3	101	201	503
PCB-1260 Peak 5	Ave	119840806 4274499833	232783087	443022847	829005609	2093725418	25.2 1006	50.3	101	201	503
PCB-1260 Peak 6	Ave	44413618 1494020125	89263090	168073924	310541141	735282082	25.2 1006	50.3	101	201	503
Tetrachloro-m-xylene	Ave	115778189 3482707942	204806301	984266843	1841153175	2665424639	2.00 80.1	4.01	20.0	40.1	60.9
DCB Decachlorobiphenyl (Surr)	Ave	115379438 3525154077	221515462	987909911	1814074853	2826189354	2.01 80.2	4.01	20.1	40.1	61.0

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 19:31 Calibration End Date: 07/15/2025 20:23 Calibration ID: 74713

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-671695/8	44PCBS25196001.008.D
Level 2	IC 410-671695/9	44PCBS25196001.009.D
Level 3	IC 410-671695/10	44PCBS25196001.010.D
Level 4	ICRT 410-671695/11	44PCBS25196001.011.D
Level 5	IC 410-671695/12	44PCBS25196001.012.D
Level 6	IC 410-671695/13	44PCBS25196001.013.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1016 Peak 1	2.985	2.984	2.984	2.984	2.986	2.986					2.954 - 3.014	2.985
PCB-1016 Peak 2	3.200	3.199	3.199	3.200	3.201	3.200					3.170 - 3.230	3.200
PCB-1016 Peak 3	3.529	3.528	3.528	3.528	3.529	3.529					3.498 - 3.558	3.529
PCB-1016 Peak 4	3.618	3.618	3.618	3.618	3.618	3.618					3.588 - 3.648	3.618
PCB-1016 Peak 5	3.707	3.706	3.705	3.706	3.707	3.707					3.676 - 3.736	3.706
PCB-1016 Peak 6	3.796	3.795	3.795	3.795	3.796	3.796					3.765 - 3.825	3.796
PCB-1260 Peak 1	4.503	4.500	4.499	4.500	4.501	4.501					4.470 - 4.530	4.501
PCB-1260 Peak 2	4.659	4.655	4.654	4.656	4.656	4.656					4.626 - 4.686	4.656
PCB-1260 Peak 3	5.035	5.031	5.029	5.030	5.030	5.030					5.000 - 5.060	5.031
PCB-1260 Peak 4	5.222	5.217	5.214	5.216	5.216	5.217					5.186 - 5.246	5.217
PCB-1260 Peak 5	5.414	5.409	5.406	5.408	5.408	5.409					5.378 - 5.438	5.409
PCB-1260 Peak 6	5.808	5.802	5.798	5.801	5.800	5.801					5.771 - 5.831	5.802
Tetrachloro-m-xylene	2.784	2.783	2.784	2.785	2.786	2.786					2.755 - 2.815	2.785
DCB Decachlorobiphenyl (Surr)	6.251	6.243	6.240	6.243	6.243	6.243					6.213 - 6.273	6.244

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 19:31 Calibration End Date: 07/15/2025 20:23 Calibration ID: 74713

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-671695/8	44PCBS25196001.008.D
Level 2	IC 410-671695/9	44PCBS25196001.009.D
Level 3	IC 410-671695/10	44PCBS25196001.010.D
Level 4	ICRT 410-671695/11	44PCBS25196001.011.D
Level 5	IC 410-671695/12	44PCBS25196001.012.D
Level 6	IC 410-671695/13	44PCBS25196001.013.D

no results reported column 2

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	24875382 16113606	22063311 15649488	21703939	19469405	Ave		19979188.4				18.1		20.0			
PCB-1016 Peak 2	32618115 24306426	29924755 23320291	29369206	27434084	Ave		27828812.6				12.7		20.0			
PCB-1016 Peak 3	63220127 49192923	60076677 50862516	55674994	51828308	Ave		55142590.9				10.1		20.0			
PCB-1016 Peak 4	30388273 22502143	28123560 22662321	27101214	24579873	Ave		25892897.2				12.2		20.0			
PCB-1016 Peak 5	31485809 22842660	30431388 23102924	26683848	25508544	Ave		26675862.1				13.6		20.0			
PCB-1016 Peak 6	31934501 23181785	30512896 23869089	27936393	25605018	Ave		27173280.2				13.1		20.0			
PCB-1260 Peak 1	59615703 48057236	56681062 49561218	52569805	48946209	Ave		52571872.2				8.9		20.0			
PCB-1260 Peak 2	72656841 59344145	68378956 62472089	65159348	61516749	Ave		64921354.5				7.6		20.0			
PCB-1260 Peak 3	43106454 36913037	43081795 38409272	39549897	37374783	Ave		39739206.1				6.9		20.0			
PCB-1260 Peak 4	99254145 88951055	96192640 101501678	95316651	92905141	Ave		95686885.0				4.7		20.0			
PCB-1260 Peak 5	57076337 52305508	59155180 52761071	53249796	51614213	Ave		54360350.8				5.6		20.0			
PCB-1260 Peak 6	21361882 17878249	20244873 18495900	19540591	18392283	Ave		19318963.1				6.8		20.0			
Tetrachloro-m-xylene	102015389 87713616	986019800 923709046	986179054	935321848	Ave		954753300				5.5		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 19:31 Calibration End Date: 07/15/2025 20:23 Calibration ID: 74713

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
DCB Decachlorobiphenyl (Surr)	530787659 497610911	525292311 496452787	505214846	464734965	Ave		503348913				4.7		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 19:31 Calibration End Date: 07/15/2025 20:23 Calibration ID: 74713

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-671695/8	44PCBS25196001.008.D
Level 2	IC 410-671695/9	44PCBS25196001.009.D
Level 3	IC 410-671695/10	44PCBS25196001.010.D
Level 4	ICRT 410-671695/11	44PCBS25196001.011.D
Level 5	IC 410-671695/12	44PCBS25196001.012.D
Level 6	IC 410-671695/13	44PCBS25196001.013.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	626051171 1575433926 3	1110556761	2184935510	3919970086	8110783450	25.2 1007	50.3	101	201	503
PCB-1016 Peak 2	Ave	820916400 2347653668 1	1506262534	2956597924	5523578436	1223463959 3	25.2 1007	50.3	101	201	503
PCB-1016 Peak 3	Ave	1591092556 5120329499 9	3023959541	5604801659	1043511153 0	2476125765 6	25.2 1007	50.3	101	201	503
PCB-1016 Peak 4	Ave	764796850 2281415868 0	1415599397	2728279215	4948911627	1132645343 4	25.2 1007	50.3	101	201	503
PCB-1016 Peak 5	Ave	792419098 2325771380 3	1531763913	2686263007	5135890153	1149785270 9	25.2 1007	50.3	101	201	503
PCB-1016 Peak 6	Ave	803711559 2402901148 4	1535866600	2812356674	5155314249	1166855148 7	25.2 1007	50.3	101	201	503
PCB-1260 Peak 1	Ave	1499334937 4985858535 5	2851057429	5288522413	9847977157	2417278968 5	25.2 1006	50.3	101	201	503
PCB-1260 Peak 2	Ave	1827319547 6284692109 9	3439461495	6555030366	1237716981 3	2985010516 9	25.2 1006	50.3	101	201	503
PCB-1260 Peak 3	Ave	1084127306	2167014264	3978719635	7519806244	1856725783 5	25.2	50.3	101	201	503

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 19:31 Calibration End Date: 07/15/2025 20:23 Calibration ID: 74713

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
		38639727536					1006				
PCB-1260 Peak 4	Ave	2496241743 10211068847 6	4838489778	9588855086	18692514333	44742380915	25.2 1006	50.3	101	201	503
PCB-1260 Peak 5	Ave	1435469873 53077637320	2975505556	5356929495	10384779598	26309670512	25.2 1006	50.3	101	201	503
PCB-1260 Peak 6	Ave	537251328 18606875470	1018317125	1965783482	3700527382	8992759236	25.2 1006	50.3	101	201	503
Tetrachloro-m-xylene	Ave	2043368242 74007568729	3949995318	1975316644 7	37468993238	53409873582	2.00 80.1	4.01	20.0	40.1	60.9
DCB Decachlorobiphenyl (Surr)	Ave	1064760043 39835371644	2107472751	10134609815	18645166810	30345507618	2.01 80.2	4.01	20.1	40.1	61.0

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 20:34 Calibration End Date: 07/15/2025 21:26 Calibration ID: 74716

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-671695/14	44PCBS25196001.014.D
Level 2	IC 410-671695/15	44PCBS25196001.015.D
Level 3	IC 410-671695/16	44PCBS25196001.016.D
Level 4	ICRT 410-671695/17	44PCBS25196001.017.D
Level 5	IC 410-671695/18	44PCBS25196001.018.D
Level 6	IC 410-671695/19	44PCBS25196001.019.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1248 Peak 1	3.036	3.035	3.036	3.035	3.035	3.035					3.005 - 3.065	3.035
PCB-1248 Peak 2	3.195	3.193	3.194	3.193	3.194	3.194					3.163 - 3.223	3.194
PCB-1248 Peak 3	3.349	3.348	3.348	3.348	3.348	3.348					3.318 - 3.378	3.348
PCB-1248 Peak 4	3.438	3.436	3.437	3.436	3.437	3.437					3.406 - 3.466	3.437
PCB-1248 Peak 5	3.579	3.578	3.579	3.578	3.578	3.578					3.548 - 3.608	3.578
PCB-1248 Peak 6	3.707	3.705	3.707	3.705	3.706	3.706					3.675 - 3.735	3.706

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 20:34 Calibration End Date: 07/15/2025 21:26 Calibration ID: 74716

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-671695/14	44PCBS25196001.014.D
Level 2	IC 410-671695/15	44PCBS25196001.015.D
Level 3	IC 410-671695/16	44PCBS25196001.016.D
Level 4	ICRT 410-671695/17	44PCBS25196001.017.D
Level 5	IC 410-671695/18	44PCBS25196001.018.D
Level 6	IC 410-671695/19	44PCBS25196001.019.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1248 Peak 1	2050386 1659578	1931730 1606311	1841407	1686357	Ave		1795961.39				9.7		20.0			
PCB-1248 Peak 2	2270495 1829908	2155826 1756446	2050801	1884040	Ave		1991252.71				10.1		20.0			
PCB-1248 Peak 3	2520689 1972943	2366398 1960434	2283711	2064821	Ave		2194832.50				10.5		20.0			
PCB-1248 Peak 4	1999914 1667001	1915411 1656280	1846108	1670311	Ave		1792504.28				8.3		20.0			
PCB-1248 Peak 5	3238297 2684480	3039114 2660477	3007642	2737434	Ave		2894573.87				8.1		20.0			
PCB-1248 Peak 6	1406420 1206828	1392432 1165492	1349805	1233248	Ave		1292370.97				8.0		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 480-231006-1 | Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 | GC Column: DB CLP1 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 20:34 | Calibration End Date: 07/15/2025 21:26 | Calibration ID: 74716

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-671695/14	44PCBS25196001.014.D
Level 2	IC 410-671695/15	44PCBS25196001.015.D
Level 3	IC 410-671695/16	44PCBS25196001.016.D
Level 4	ICRT 410-671695/17	44PCBS25196001.017.D
Level 5	IC 410-671695/18	44PCBS25196001.018.D
Level 6	IC 410-671695/19	44PCBS25196001.019.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Ave	51567212 1615948899	97166019	185245551	339294945	834767485	25.2 1006	50.3	101	201	503
PCB-1248 Peak 2	Ave	57102954 1766984442	108438065	206310590	379068877	920443572	25.2 1006	50.3	101	201	503
PCB-1248 Peak 3	Ave	63395322 1972196606	119029808	229741329	415441957	992390139	25.2 1006	50.3	101	201	503
PCB-1248 Peak 4	Ave	50297838 1666217661	96345191	185718496	336066586	838501466	25.2 1006	50.3	101	201	503
PCB-1248 Peak 5	Ave	81443165 2676440312	152867425	302568752	550771628	1350293401	25.2 1006	50.3	101	201	503
PCB-1248 Peak 6	Ave	35371474 1172485348	70039307	135790389	248129526	607034610	25.2 1006	50.3	101	201	503

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 20:34 Calibration End Date: 07/15/2025 21:26 Calibration ID: 74717

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-671695/14	44PCBS25196001.014.D
Level 2	IC 410-671695/15	44PCBS25196001.015.D
Level 3	IC 410-671695/16	44PCBS25196001.016.D
Level 4	ICRT 410-671695/17	44PCBS25196001.017.D
Level 5	IC 410-671695/18	44PCBS25196001.018.D
Level 6	IC 410-671695/19	44PCBS25196001.019.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1248 Peak 1	3.675	3.673	3.673	3.673	3.673	3.673					3.643 - 3.703	3.673
PCB-1248 Peak 2	3.707	3.705	3.706	3.706	3.706	3.706					3.676 - 3.736	3.706
PCB-1248 Peak 3	3.796	3.794	3.795	3.795	3.794	3.795					3.765 - 3.825	3.795
PCB-1248 Peak 4	3.898	3.897	3.898	3.898	3.897	3.897					3.868 - 3.928	3.898
PCB-1248 Peak 5	4.084	4.082	4.083	4.083	4.083	4.083					4.053 - 4.113	4.083
PCB-1248 Peak 6	4.171	4.168	4.170	4.168	4.168	4.168					4.138 - 4.198	4.169

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 20:34 Calibration End Date: 07/15/2025 21:26 Calibration ID: 74717

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-671695/14	44PCBS25196001.014.D
Level 2	IC 410-671695/15	44PCBS25196001.015.D
Level 3	IC 410-671695/16	44PCBS25196001.016.D
Level 4	ICRT 410-671695/17	44PCBS25196001.017.D
Level 5	IC 410-671695/18	44PCBS25196001.018.D
Level 6	IC 410-671695/19	44PCBS25196001.019.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1248 Peak 1	33842541 26848154	31181704 26229063	31004611	27142935	Ave		29374834.5				10.5		20.0			
PCB-1248 Peak 2	33280610 26598402	32329883 27750563	30894178	27974522	Ave		29804692.8				9.2		20.0			
PCB-1248 Peak 3	37508986 29956424	35919535 30840647	34822404	31283029	Ave		33388504.2				9.3		20.0			
PCB-1248 Peak 4	25699366 21822434	23890231 21360095	24000974	21929754	Ave		23117142.1				7.3		20.0			
PCB-1248 Peak 5	44031562 38670607	42332062 38479651	40677941	38709110	Ave		40483489.1				5.7		20.0			
PCB-1248 Peak 6	40497345 33668843	37752230 33674073	36929893	33412124	Ave		35989084.7				8.0		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 20:34 Calibration End Date: 07/15/2025 21:26 Calibration ID: 74717

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-671695/14	44PCBS25196001.014.D
Level 2	IC 410-671695/15	44PCBS25196001.015.D
Level 3	IC 410-671695/16	44PCBS25196001.016.D
Level 4	ICRT 410-671695/17	44PCBS25196001.017.D
Level 5	IC 410-671695/18	44PCBS25196001.018.D
Level 6	IC 410-671695/19	44PCBS25196001.019.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Ave	851139903 26386437391	1568439710	3119063820	5461158428	13504621449	25.2 1006	50.3	101	201	503
PCB-1248 Peak 2	Ave	837007334 27917066663	1626193110	3107954257	5628473764	13378996161	25.2 1006	50.3	101	201	503
PCB-1248 Peak 3	Ave	943350996 31025691026	1806752631	3503133816	6294145481	15068081120	25.2 1006	50.3	101	201	503
PCB-1248 Peak 4	Ave	646339046 21488255570	1201678596	2414497937	4412266465	10976684441	25.2 1006	50.3	101	201	503
PCB-1248 Peak 5	Ave	1107393792 38710529203	2129302713	4092200856	7788273032	19451315535	25.2 1006	50.3	101	201	503
PCB-1248 Peak 6	Ave	1018508227 33876117384	1898937178	3715147237	6722519363	16935427901	25.2 1006	50.3	101	201	503

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 21:37 Calibration End Date: 07/15/2025 22:29 Calibration ID: 74720

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-671695/20	44PCBS25196001.020.D
Level 2	IC 410-671695/21	44PCBS25196001.021.D
Level 3	IC 410-671695/22	44PCBS25196001.022.D
Level 4	ICRT 410-671695/23	44PCBS25196001.023.D
Level 5	IC 410-671695/24	44PCBS25196001.024.D
Level 6	IC 410-671695/25	44PCBS25196001.025.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1254 Peak 1	3.652	3.653	3.653	3.653	3.653	3.653					3.623 - 3.683	3.653
PCB-1254 Peak 2	3.862	3.862	3.862	3.862	3.863	3.863					3.832 - 3.892	3.862
PCB-1254 Peak 3	3.920	3.921	3.921	3.921	3.921	3.921					3.891 - 3.951	3.921
PCB-1254 Peak 4	4.039	4.039	4.040	4.039	4.040	4.040					4.009 - 4.069	4.040
PCB-1254 Peak 5	4.103	4.103	4.103	4.103	4.104	4.103					4.073 - 4.133	4.103
PCB-1254 Peak 6	4.323	4.323	4.324	4.324	4.325	4.324					4.294 - 4.354	4.324

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 21:37 Calibration End Date: 07/15/2025 22:29 Calibration ID: 74720

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-671695/20	44PCBS25196001.020.D
Level 2	IC 410-671695/21	44PCBS25196001.021.D
Level 3	IC 410-671695/22	44PCBS25196001.022.D
Level 4	ICRT 410-671695/23	44PCBS25196001.023.D
Level 5	IC 410-671695/24	44PCBS25196001.024.D
Level 6	IC 410-671695/25	44PCBS25196001.025.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1254 Peak 1	3613898 2766590	3267700 2723536	3114321	2847673	Ave		3055619.60				11.3		20.0			
PCB-1254 Peak 2	2744832 2194504	2528716 2220786	2372780	2231109	Ave		2382121.06				9.1		20.0			
PCB-1254 Peak 3	4901384 4347539	4876810 4365340	4390479	4371100	Ave		4542108.64				5.9		20.0			
PCB-1254 Peak 4	3409720 2718308	3187784 2797078	2850485	2793871	Ave		2959540.93				9.3		20.0			
PCB-1254 Peak 5	2332345 1839785	2195640 1834393	2006086	1861247	Ave		2011582.74				10.4		20.0			
PCB-1254 Peak 6	3431361 2855412	3223189 2798897	2950276	2924019	Ave		3030525.39				8.1		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 480-231006-1 | Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 | GC Column: DB CLP1 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 21:37 | Calibration End Date: 07/15/2025 22:29 | Calibration ID: 74720

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-671695/20	44PCBS25196001.020.D
Level 2	IC 410-671695/21	44PCBS25196001.021.D
Level 3	IC 410-671695/22	44PCBS25196001.022.D
Level 4	ICRT 410-671695/23	44PCBS25196001.023.D
Level 5	IC 410-671695/24	44PCBS25196001.024.D
Level 6	IC 410-671695/25	44PCBS25196001.025.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1254 Peak 1	Ave	90347449 2723535803	163384987	311432136	711918172	1383295023	25.0 1000	50.0	100	250	500
PCB-1254 Peak 2	Ave	68620795 2220785787	126435785	237278016	557777236	1097251996	25.0 1000	50.0	100	250	500
PCB-1254 Peak 3	Ave	122534606 4365339810	243840502	439047910	1092774928	2173769475	25.0 1000	50.0	100	250	500
PCB-1254 Peak 4	Ave	85243004 2797078119	159389180	285048478	698467667	1359154134	25.0 1000	50.0	100	250	500
PCB-1254 Peak 5	Ave	58308622 1834393415	109782000	200608591	465311711	919892701	25.0 1000	50.0	100	250	500
PCB-1254 Peak 6	Ave	85784026 2798896701	161159432	295027564	731004682	1427705789	25.0 1000	50.0	100	250	500

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 21:37 Calibration End Date: 07/15/2025 22:29 Calibration ID: 74721

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-671695/20	44PCBS25196001.020.D
Level 2	IC 410-671695/21	44PCBS25196001.021.D
Level 3	IC 410-671695/22	44PCBS25196001.022.D
Level 4	ICRT 410-671695/23	44PCBS25196001.023.D
Level 5	IC 410-671695/24	44PCBS25196001.024.D
Level 6	IC 410-671695/25	44PCBS25196001.025.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1254 Peak 1	4.169	4.168	4.169	4.169	4.169	4.169					4.139 - 4.199	4.169
PCB-1254 Peak 2	4.343	4.343	4.343	4.343	4.343	4.343					4.313 - 4.373	4.343
PCB-1254 Peak 3	4.399	4.399	4.399	4.401	4.401	4.400					4.371 - 4.431	4.400
PCB-1254 Peak 4	4.578	4.578	4.578	4.579	4.579	4.578					4.549 - 4.609	4.578
PCB-1254 Peak 5	4.655	4.654	4.655	4.656	4.656	4.655					4.626 - 4.686	4.655
PCB-1254 Peak 6	4.835	4.835	4.836	4.837	4.838	4.836					4.807 - 4.867	4.836

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 21:37 Calibration End Date: 07/15/2025 22:29 Calibration ID: 74721

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-671695/20	44PCBS25196001.020.D
Level 2	IC 410-671695/21	44PCBS25196001.021.D
Level 3	IC 410-671695/22	44PCBS25196001.022.D
Level 4	ICRT 410-671695/23	44PCBS25196001.023.D
Level 5	IC 410-671695/24	44PCBS25196001.024.D
Level 6	IC 410-671695/25	44PCBS25196001.025.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1254 Peak 1	70337483 57123112	62955601 57007899	59609322	56401979	Ave		60572565.9				8.9		20.0			
PCB-1254 Peak 2	37136071 31241240	35665590 31586213	33334257	31753713	Ave		33452847.3				7.3		20.0			
PCB-1254 Peak 3	70277141 60681760	66409047 63748299	62804149	59256324	Ave		63862786.7				6.3		20.0			
PCB-1254 Peak 4	55298700 46501604	50633494 46953301	48437217	45275070	Ave		48849897.6				7.5		20.0			
PCB-1254 Peak 5	32927813 26860626	32126556 27357758	29590668	26789166	Ave		29275431.1				9.3		20.0			
PCB-1254 Peak 6	49903739 43110170	49356764 45113132	45552627	43890646	Ave		46154513.1				6.1		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 480-231006-1 | Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 | GC Column: DB CLP2 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 21:37 | Calibration End Date: 07/15/2025 22:29 | Calibration ID: 74721

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-671695/20	44PCBS25196001.020.D
Level 2	IC 410-671695/21	44PCBS25196001.021.D
Level 3	IC 410-671695/22	44PCBS25196001.022.D
Level 4	ICRT 410-671695/23	44PCBS25196001.023.D
Level 5	IC 410-671695/24	44PCBS25196001.024.D
Level 6	IC 410-671695/25	44PCBS25196001.025.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1254 Peak 1	Ave	1758437073 57007898914	3147780050	5960932202	14100494765	28561555776	25.0 1000	50.0	100	250	500
PCB-1254 Peak 2	Ave	928401768 31586212940	1783279498	3333425745	7938428156	15620619940	25.0 1000	50.0	100	250	500
PCB-1254 Peak 3	Ave	1756928516 63748298583	3320452362	6280414910	14814081082	30340880174	25.0 1000	50.0	100	250	500
PCB-1254 Peak 4	Ave	1382467501 46953301186	2531674723	4843721655	11318767500	23250801795	25.0 1000	50.0	100	250	500
PCB-1254 Peak 5	Ave	823195313 27357758043	1606327791	2959066781	6697291548	13430313201	25.0 1000	50.0	100	250	500
PCB-1254 Peak 6	Ave	1247593480 45113131935	2467838210	4555262736	10972661598	21555084796	25.0 1000	50.0	100	250	500

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 23:01 Calibration End Date: 07/15/2025 23:01 Calibration ID: 74732

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 410-671695/28	44PCBS25196001.028.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	2.434										2.404 - 2.464	2.434
PCB-1221 Peak 2	2.503										2.473 - 2.533	2.503
PCB-1221 Peak 3	2.551										2.521 - 2.581	2.551

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 23:01 Calibration End Date: 07/15/2025 23:01 Calibration ID: 74732

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 410-671695/28	44PCBS25196001.028.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1221 Peak 1	684844				Ave		684843.926						20.0			
PCB-1221 Peak 2	472508				Ave		472507.500						20.0			
PCB-1221 Peak 3	1465856				Ave		1465856.32						20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 23:01 Calibration End Date: 07/15/2025 23:01 Calibration ID: 74732

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 410-671695/28	44PCBS25196001.028.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	136872907					200				
PCB-1221 Peak 2	Ave	94435349					200				
PCB-1221 Peak 3	Ave	292966045					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 23:01 Calibration End Date: 07/15/2025 23:01 Calibration ID: 74733

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 410-671695/28	44PCBS25196001.028.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	2.883										2.853 - 2.913	2.883
PCB-1221 Peak 2	2.928										2.898 - 2.958	2.928
PCB-1221 Peak 3	2.984										2.954 - 3.014	2.984

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 23:01 Calibration End Date: 07/15/2025 23:01 Calibration ID: 74733

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 410-671695/28	44PCBS25196001.028.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1221 Peak 1	8086327				Ave		8086326.82						20.0			
PCB-1221 Peak 2	7966018				Ave		7966018.11						20.0			
PCB-1221 Peak 3	26158601				Ave		26158601.2						20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 23:01 Calibration End Date: 07/15/2025 23:01 Calibration ID: 74733

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 410-671695/28	44PCBS25196001.028.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	1616133278					200				
PCB-1221 Peak 2	Ave	1592088379					200				
PCB-1221 Peak 3	Ave	5228058038					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 23:11 Calibration End Date: 07/15/2025 23:11 Calibration ID: 74736

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 410-671695/29	44PCBS25196001.029.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	2.552										2.522 - 2.582	2.552
PCB-1232 Peak 2	2.770										2.740 - 2.800	2.770
PCB-1232 Peak 3	3.037										3.007 - 3.067	3.037
PCB-1232 Peak 4	3.092										3.062 - 3.122	3.092
PCB-1232 Peak 5	3.194										3.164 - 3.224	3.194
PCB-1232 Peak 6	3.349										3.319 - 3.379	3.349

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 23:11 Calibration End Date: 07/15/2025 23:11 Calibration ID: 74736

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 410-671695/29	44PCBS25196001.029.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	1070612				Ave		1070612.33						20.0			
PCB-1232 Peak 2	753542				Ave		753541.851						20.0			
PCB-1232 Peak 3	1466890				Ave		1466890.16						20.0			
PCB-1232 Peak 4	798083				Ave		798083.104						20.0			
PCB-1232 Peak 5	625755				Ave		625755.095						20.0			
PCB-1232 Peak 6	722332				Ave		722331.657						20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 23:11 Calibration End Date: 07/15/2025 23:11 Calibration ID: 74736

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 410-671695/29	44PCBS25196001.029.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	214550710					200				
PCB-1232 Peak 2	Ave	151009787					200				
PCB-1232 Peak 3	Ave	293964788					200				
PCB-1232 Peak 4	Ave	159935854					200				
PCB-1232 Peak 5	Ave	125401321					200				
PCB-1232 Peak 6	Ave	144755264					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 23:11 Calibration End Date: 07/15/2025 23:11 Calibration ID: 74737

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 410-671695/29	44PCBS25196001.029.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	2.985										2.955 - 3.015	2.985
PCB-1232 Peak 2	3.200										3.170 - 3.230	3.200
PCB-1232 Peak 3	3.528										3.498 - 3.558	3.528
PCB-1232 Peak 4	3.618										3.588 - 3.648	3.618
PCB-1232 Peak 5	3.706										3.676 - 3.736	3.706
PCB-1232 Peak 6	3.795										3.765 - 3.825	3.795

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 23:11 Calibration End Date: 07/15/2025 23:11 Calibration ID: 74737

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 410-671695/29	44PCBS25196001.029.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	19681575				Ave		19681574.9						20.0			
PCB-1232 Peak 2	12322305				Ave		12322305.4						20.0			
PCB-1232 Peak 3	22400467				Ave		22400467.2						20.0			
PCB-1232 Peak 4	10672364				Ave		10672364.4						20.0			
PCB-1232 Peak 5	9944029				Ave		9944029.00						20.0			
PCB-1232 Peak 6	10218643				Ave		10218643.4						20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 23:11 Calibration End Date: 07/15/2025 23:11 Calibration ID: 74737

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 410-671695/29	44PCBS25196001.029.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	3944187604					200				
PCB-1232 Peak 2	Ave	2469389996					200				
PCB-1232 Peak 3	Ave	4489053617					200				
PCB-1232 Peak 4	Ave	2138741831					200				
PCB-1232 Peak 5	Ave	1992783411					200				
PCB-1232 Peak 6	Ave	2047816146					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 23:22 Calibration End Date: 07/15/2025 23:22 Calibration ID: 74740

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 410-671695/30	44PCBS25196001.030.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	2.552										2.522 - 2.582	2.552
PCB-1242 Peak 2	2.770										2.740 - 2.800	2.770
PCB-1242 Peak 3	3.036										3.006 - 3.066	3.036
PCB-1242 Peak 4	3.093										3.063 - 3.123	3.093
PCB-1242 Peak 5	3.194										3.164 - 3.224	3.194
PCB-1242 Peak 6	3.348										3.318 - 3.378	3.348

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 23:22 Calibration End Date: 07/15/2025 23:22 Calibration ID: 74740

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 410-671695/30	44PCBS25196001.030.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1242 Peak 1	794598				Ave		794598.390						20.0			
PCB-1242 Peak 2	1310457				Ave		1310456.62						20.0			
PCB-1242 Peak 3	2650278				Ave		2650277.57						20.0			
PCB-1242 Peak 4	1481378				Ave		1481378.03						20.0			
PCB-1242 Peak 5	1268194				Ave		1268193.91						20.0			
PCB-1242 Peak 6	1372472				Ave		1372471.68						20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 23:22 Calibration End Date: 07/15/2025 23:22 Calibration ID: 74740

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 410-671695/30	44PCBS25196001.030.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	158919678					200				
PCB-1242 Peak 2	Ave	262091324					200				
PCB-1242 Peak 3	Ave	530055514					200				
PCB-1242 Peak 4	Ave	296275606					200				
PCB-1242 Peak 5	Ave	253638782					200				
PCB-1242 Peak 6	Ave	274494335					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 23:22 Calibration End Date: 07/15/2025 23:22 Calibration ID: 74741

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 410-671695/30	44PCBS25196001.030.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	2.985										2.955 - 3.015	2.985
PCB-1242 Peak 2	3.200										3.170 - 3.230	3.200
PCB-1242 Peak 3	3.528										3.498 - 3.558	3.528
PCB-1242 Peak 4	3.618										3.588 - 3.648	3.618
PCB-1242 Peak 5	3.706										3.676 - 3.736	3.706
PCB-1242 Peak 6	3.795										3.765 - 3.825	3.795

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 23:22 Calibration End Date: 07/15/2025 23:22 Calibration ID: 74741

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 410-671695/30	44PCBS25196001.030.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1242 Peak 1	14272675				Ave		14272675.3						20.0			
PCB-1242 Peak 2	22599256				Ave		22599256.5						20.0			
PCB-1242 Peak 3	41541969				Ave		41541969.2						20.0			
PCB-1242 Peak 4	20623957				Ave		20623957.3						20.0			
PCB-1242 Peak 5	21776894				Ave		21776893.7						20.0			
PCB-1242 Peak 6	21881922				Ave		21881921.8						20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 671695

SDG No.:

Instrument ID: 17342 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 23:22 Calibration End Date: 07/15/2025 23:22 Calibration ID: 74741

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 410-671695/30	44PCBS25196001.030.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	2854535067					200				
PCB-1242 Peak 2	Ave	4519851292					200				
PCB-1242 Peak 3	Ave	8308393848					200				
PCB-1242 Peak 4	Ave	4124791458					200				
PCB-1242 Peak 5	Ave	4355378740					200				
PCB-1242 Peak 6	Ave	4376384350					200				

Curve Type Legend:
Ave = Average by Height

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

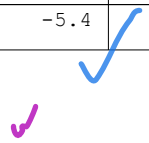
Lab Sample ID: ICV 410-671695/33 Calibration Date: 07/15/2025 23:53

Instrument ID: 17342 Calib Start Date: 07/15/2025 19:31

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 07/15/2025 20:23

Lab File ID: 44PCBS25196001.033.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1039457	977799		189	201	-5.9	20.0
PCB-1016 Peak 2	Ave	1721913	1705950		199	201	-0.9	20.0
PCB-1016 Peak 3	Ave	3492148	3589488		206	201	2.8	20.0
PCB-1016 Peak 4	Ave	1946691	2008531		207	201	3.2	20.0
PCB-1016 Peak 5	Ave	1689941	1761624		209	201	4.2	20.0
PCB-1016 Peak 6	Ave	1874257	1891600		202	201	0.9	20.0
PCB-1260 Peak 1	Ave	4551426	4485153		198	201	-1.5	20.0
PCB-1260 Peak 2	Ave	3102941	2760283		179	201	-11.0	20.0
PCB-1260 Peak 3	Ave	6858703	6425608		188	201	-6.3	20.0
PCB-1260 Peak 4	Ave	1518161	1329271		176	201	-12.4	20.0
PCB-1260 Peak 5	Ave	4388088	4334895		198	201	-1.2	20.0
PCB-1260 Peak 6	Ave	1616938	1518488		189	201	-6.1	20.0
Tetrachloro-m-xylene	Ave	48544835	44851572		37.0	40.1	-7.6	20.0
DCB Decachlorobiphenyl (Surr)	Ave	49578557	46891857		37.9	40.1	-5.4	20.0



FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 410-671695/33
Calibration Date: 07/15/2025 23:53

Instrument ID: 17342
Calib Start Date: 07/15/2025 19:31

GC Column: DB CLP1 ID: 0.32(mm)
Calib End Date: 07/15/2025 20:23

Lab File ID: 44PCBS25196001.033.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.55	2.52	2.58
PCB-1016 Peak 2	2.77	2.74	2.80
PCB-1016 Peak 3	3.04	3.01	3.07
PCB-1016 Peak 4	3.09	3.06	3.12
PCB-1016 Peak 5	3.20	3.16	3.22
PCB-1016 Peak 6	3.35	3.32	3.38
PCB-1260 Peak 1	4.10	4.07	4.13
PCB-1260 Peak 2	4.52	4.49	4.55
PCB-1260 Peak 3	4.65	4.62	4.68
PCB-1260 Peak 4	4.85	4.82	4.88
PCB-1260 Peak 5	4.89	4.86	4.92
PCB-1260 Peak 6	5.20	5.17	5.23
Tetrachloro-m-xylene	2.26	2.23	2.29
DCB Decachlorobiphenyl (Surr)	5.55	5.53	5.59



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 410-671695/33
Calibration Date: 07/15/2025 23:53

Instrument ID: 17342
Calib Start Date: 07/15/2025 19:31

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 07/15/2025 20:23

Lab File ID: 44PCBS25196001.033.D
Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	19979188	19863570		199	201	-0.6	20.0
PCB-1016 Peak 2	Ave	27828813	29087295		210	201	4.5	20.0
PCB-1016 Peak 3	Ave	55142591	57889950		211	201	5.0	20.0
PCB-1016 Peak 4	Ave	25892897	26310546		204	201	1.6	20.0
PCB-1016 Peak 5	Ave	26675862	27374010		206	201	2.6	20.0
PCB-1016 Peak 6	Ave	27173280	27097925		200	201	-0.3	20.0
PCB-1260 Peak 1	Ave	52571872	50673006		194	201	-3.6	20.0
PCB-1260 Peak 2	Ave	64921355	61439613		190	201	-5.4	20.0
PCB-1260 Peak 3	Ave	39739206	37103223		187	201	-6.6	20.0
PCB-1260 Peak 4	Ave	95686885	85678875		180	201	-10.5	20.0
PCB-1260 Peak 5	Ave	54360351	51406958		190	201	-5.4	20.0
PCB-1260 Peak 6	Ave	19318963	17816667		185	201	-7.8	20.0
Tetrachloro-m-xylene	Ave	954753300	917398595		38.5	40.1	-3.9	20.0
DCB Decachlorobiphenyl (Surr)	Ave	503348913	497726442		39.7	40.1	-1.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 410-671695/33
Calibration Date: 07/15/2025 23:53

Instrument ID: 17342
Calib Start Date: 07/15/2025 19:31

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 07/15/2025 20:23

Lab File ID: 44PCBS25196001.033.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.99	2.95	3.01
PCB-1016 Peak 2	3.20	3.17	3.23
PCB-1016 Peak 3	3.53	3.50	3.56
PCB-1016 Peak 4	3.62	3.59	3.65
PCB-1016 Peak 5	3.71	3.68	3.74
PCB-1016 Peak 6	3.80	3.77	3.83
PCB-1260 Peak 1	4.50	4.47	4.53
PCB-1260 Peak 2	4.65	4.63	4.69
PCB-1260 Peak 3	5.03	5.00	5.06
PCB-1260 Peak 4	5.21	5.19	5.25
PCB-1260 Peak 5	5.40	5.38	5.44
PCB-1260 Peak 6	5.80	5.77	5.83
Tetrachloro-m-xylene	2.79	2.76	2.82
DCB Decachlorobiphenyl (Surr)	6.24	6.21	6.27

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 410-671695/34 Calibration Date: 07/16/2025 00:04

Instrument ID: 17342 Calib Start Date: 07/15/2025 20:34

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 07/15/2025 21:26

Lab File ID: 44PCBS25196001.034.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	1795961	1624462		181	200	-9.5	20.0
PCB-1248 Peak 2	Ave	1991253	2204113		222	200	10.7	20.0
PCB-1248 Peak 3	Ave	2194833	2386059		218	200	8.7	20.0
PCB-1248 Peak 4	Ave	1792504	1912682		214	200	6.7	20.0
PCB-1248 Peak 5	Ave	2894574	3009710		208	200	4.0	20.0
PCB-1248 Peak 6	Ave	1292371	1399489		217	200	8.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

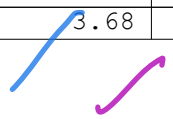
Lab Sample ID: ICV 410-671695/34
Calibration Date: 07/16/2025 00:04

Instrument ID: 17342
Calib Start Date: 07/15/2025 20:34

GC Column: DB CLP1 ID: 0.32(mm)
Calib End Date: 07/15/2025 21:26

Lab File ID: 44PCBS25196001.034.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	3.04	3.01	3.07
PCB-1248 Peak 2	3.19	3.16	3.22
PCB-1248 Peak 3	3.35	3.32	3.38
PCB-1248 Peak 4	3.44	3.41	3.47
PCB-1248 Peak 5	3.58	3.55	3.61
PCB-1248 Peak 6	3.71	3.68	3.74



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 410-671695/34 Calibration Date: 07/16/2025 00:04

Instrument ID: 17342 Calib Start Date: 07/15/2025 20:34

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 07/15/2025 21:26

Lab File ID: 44PCBS25196001.034.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	29374834	32463224		221	200	10.5	20.0
PCB-1248 Peak 2	Ave	29804693	30651296		206	200	2.8	20.0
PCB-1248 Peak 3	Ave	33388504	36690462		220	200	9.9	20.0
PCB-1248 Peak 4	Ave	23117142	24596656		213	200	6.4	20.0
PCB-1248 Peak 5	Ave	40483489	41443464		205	200	2.4	20.0
PCB-1248 Peak 6	Ave	35989085	39901951		222	200	10.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

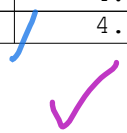
Lab Sample ID: ICV 410-671695/34
Calibration Date: 07/16/2025 00:04

Instrument ID: 17342
Calib Start Date: 07/15/2025 20:34

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 07/15/2025 21:26

Lab File ID: 44PCBS25196001.034.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	3.67	3.64	3.70
PCB-1248 Peak 2	3.71	3.68	3.74
PCB-1248 Peak 3	3.79	3.77	3.83
PCB-1248 Peak 4	3.90	3.87	3.93
PCB-1248 Peak 5	4.08	4.05	4.11
PCB-1248 Peak 6	4.17	4.14	4.20



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 410-671695/35 Calibration Date: 07/16/2025 00:14

Instrument ID: 17342 Calib Start Date: 07/15/2025 21:37

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 07/15/2025 22:29

Lab File ID: 44PCBS25196001.035.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Ave	3055620	2953474		242	250	-3.3	20.0
PCB-1254 Peak 2	Ave	2382121	2263679		238	250	-5.0	20.0
PCB-1254 Peak 3	Ave	4542109	4343378		239	250	-4.4	20.0
PCB-1254 Peak 4	Ave	2959541	2883735		244	250	-2.6	20.0
PCB-1254 Peak 5	Ave	2011583	1881888		234	250	-6.4	20.0
PCB-1254 Peak 6	Ave	3030525	2887035		238	250	-4.7	20.0



FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 410-671695/35 Calibration Date: 07/16/2025 00:14

Instrument ID: 17342 Calib Start Date: 07/15/2025 21:37

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 07/15/2025 22:29

Lab File ID: 44PCBS25196001.035.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	3.65	3.62	3.68
PCB-1254 Peak 2	3.86	3.83	3.89
PCB-1254 Peak 3	3.92	3.89	3.95
PCB-1254 Peak 4	4.04	4.01	4.07
PCB-1254 Peak 5	4.10	4.07	4.13
PCB-1254 Peak 6	4.32	4.29	4.35

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 410-671695/35 Calibration Date: 07/16/2025 00:14

Instrument ID: 17342 Calib Start Date: 07/15/2025 21:37

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 07/15/2025 22:29

Lab File ID: 44PCBS25196001.035.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Ave	60572566	57648430		238	250	-4.8	20.0
PCB-1254 Peak 2	Ave	33452847	31827371		238	250	-4.9	20.0
PCB-1254 Peak 3	Ave	63862787	62472961		245	250	-2.2	20.0
PCB-1254 Peak 4	Ave	48849898	46930424		240	250	-3.9	20.0
PCB-1254 Peak 5	Ave	29275431	28005070		239	250	-4.3	20.0
PCB-1254 Peak 6	Ave	46154513	43716898		237	250	-5.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 410-671695/35
Calibration Date: 07/16/2025 00:14

Instrument ID: 17342
Calib Start Date: 07/15/2025 21:37

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 07/15/2025 22:29

Lab File ID: 44PCBS25196001.035.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	4.17	4.14	4.20
PCB-1254 Peak 2	4.34	4.31	4.37
PCB-1254 Peak 3	4.40	4.37	4.43
PCB-1254 Peak 4	4.58	4.55	4.61
PCB-1254 Peak 5	4.65	4.63	4.69
PCB-1254 Peak 6	4.83	4.81	4.87

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

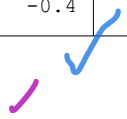
Lab Sample ID: CCVRT 410-674459/5 Calibration Date: 07/22/2025 09:58

Instrument ID: 17342 Calib Start Date: 07/15/2025 19:31

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 07/15/2025 20:23

Lab File ID: 44PCBS25196008.005.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1039457	1052368		204	201	1.2	20.0
PCB-1016 Peak 2	Ave	1721913	1728757		202	201	0.4	20.0
PCB-1016 Peak 3	Ave	3492148	3543525		204	201	1.5	20.0
PCB-1016 Peak 4	Ave	1946691	1967427		203	201	1.1	20.0
PCB-1016 Peak 5	Ave	1689941	1684686		201	201	-0.3	20.0
PCB-1016 Peak 6	Ave	1874257	1858809		200	201	-0.8	20.0
PCB-1260 Peak 1	Ave	4551426	4615005		204	201	1.4	20.0
PCB-1260 Peak 2	Ave	3102941	3201624		208	201	3.2	20.0
PCB-1260 Peak 3	Ave	6858703	7664705		225	201	11.8	20.0
PCB-1260 Peak 4	Ave	1518161	1541546		204	201	1.5	20.0
PCB-1260 Peak 5	Ave	4388088	4691976		215	201	6.9	20.0
PCB-1260 Peak 6	Ave	1616938	1680838		209	201	4.0	20.0
Tetrachloro-m-xylene	Ave	48544835	52035166		42.9	40.1	7.2	20.0
DCB Decachlorobiphenyl (Surr)	Ave	49578557	49385803		40.0	40.1	-0.4	20.0



FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVRT 410-674459/5
Calibration Date: 07/22/2025 09:58

Instrument ID: 17342
Calib Start Date: 07/15/2025 19:31

GC Column: DB CLP1 ID: 0.32(mm)
Calib End Date: 07/15/2025 20:23

Lab File ID: 44PCBS25196008.005.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.55	2.52	2.58
PCB-1016 Peak 2	2.77	2.74	2.80
PCB-1016 Peak 3	3.04	3.01	3.07
PCB-1016 Peak 4	3.09	3.06	3.12
PCB-1016 Peak 5	3.19	3.16	3.22
PCB-1016 Peak 6	3.35	3.32	3.38
PCB-1260 Peak 1	4.10	4.07	4.13
PCB-1260 Peak 2	4.53	4.50	4.56
PCB-1260 Peak 3	4.65	4.62	4.68
PCB-1260 Peak 4	4.85	4.82	4.88
PCB-1260 Peak 5	4.89	4.86	4.92
PCB-1260 Peak 6	5.20	5.17	5.23
Tetrachloro-m-xylene	2.26	2.23	2.29
DCB Decachlorobiphenyl (Surr)	5.56	5.53	5.59



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVRT 410-674459/5 Calibration Date: 07/22/2025 09:58

Instrument ID: 17342 Calib Start Date: 07/15/2025 19:31

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 07/15/2025 20:23

Lab File ID: 44PCBS25196008.005.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	19979188	19929100		201	201	-0.3	20.0
PCB-1016 Peak 2	Ave	27828813	27703281		200	201	-0.5	20.0
PCB-1016 Peak 3	Ave	55142591	53705486		196	201	-2.6	20.0
PCB-1016 Peak 4	Ave	25892897	24579081		191	201	-5.1	20.0
PCB-1016 Peak 5	Ave	26675862	24906582		188	201	-6.6	20.0
PCB-1016 Peak 6	Ave	27173280	26068424		193	201	-4.1	20.0
PCB-1260 Peak 1	Ave	52571872	54091342		207	201	2.9	20.0
PCB-1260 Peak 2	Ave	64921355	66460622		206	201	2.4	20.0
PCB-1260 Peak 3	Ave	39739206	42524799		215	201	7.0	20.0
PCB-1260 Peak 4	Ave	95686885	97529558		205	201	1.9	20.0
PCB-1260 Peak 5	Ave	54360351	56518479		209	201	4.0	20.0
PCB-1260 Peak 6	Ave	19318963	20675718		215	201	7.0	20.0
Tetrachloro-m-xylene	Ave	954753300	994540096		41.7	40.1	4.2	20.0
DCB Decachlorobiphenyl (Surr)	Ave	503348913	546312603		43.5	40.1	8.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVRT 410-674459/5
Calibration Date: 07/22/2025 09:58

Instrument ID: 17342
Calib Start Date: 07/15/2025 19:31

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 07/15/2025 20:23

Lab File ID: 44PCBS25196008.005.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.98	2.95	3.01
PCB-1016 Peak 2	3.20	3.17	3.23
PCB-1016 Peak 3	3.53	3.50	3.56
PCB-1016 Peak 4	3.62	3.59	3.65
PCB-1016 Peak 5	3.70	3.67	3.73
PCB-1016 Peak 6	3.79	3.76	3.82
PCB-1260 Peak 1	4.50	4.47	4.53
PCB-1260 Peak 2	4.65	4.62	4.68
PCB-1260 Peak 3	5.03	5.00	5.06
PCB-1260 Peak 4	5.22	5.19	5.25
PCB-1260 Peak 5	5.41	5.38	5.44
PCB-1260 Peak 6	5.80	5.77	5.83
Tetrachloro-m-xylene	2.78	2.75	2.81
DCB Decachlorobiphenyl (Surr)	6.24	6.21	6.27



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

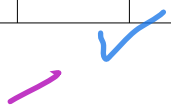
Lab Sample ID: CCV 410-674459/17 Calibration Date: 07/22/2025 12:04

Instrument ID: 17342 Calib Start Date: 07/15/2025 19:31

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 07/15/2025 20:23

Lab File ID: 44PCBS25196008.017.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1039457	864388		167	201	-16.8	20.0
PCB-1016 Peak 2	Ave	1721913	1436755		168	201	-16.6	20.0
PCB-1016 Peak 3	Ave	3492148	3051573		176	201	-12.6	20.0
PCB-1016 Peak 4	Ave	1946691	1672920		173	201	-14.1	20.0
PCB-1016 Peak 5	Ave	1689941	1480516		176	201	-12.4	20.0
PCB-1016 Peak 6	Ave	1874257	1668439		179	201	-11.0	20.0
PCB-1260 Peak 1	Ave	4551426	4233948		187	201	-7.0	20.0
PCB-1260 Peak 2	Ave	3102941	2878013		187	201	-7.2	20.0
PCB-1260 Peak 3	Ave	6858703	6681230		196	201	-2.6	20.0
PCB-1260 Peak 4	Ave	1518161	1461057		194	201	-3.8	20.0
PCB-1260 Peak 5	Ave	4388088	4447321		204	201	1.3	20.0
PCB-1260 Peak 6	Ave	1616938	1644252		205	201	1.7	20.0
Tetrachloro-m-xylene	Ave	48544835	39653517		32.7	40.1	-18.3	20.0
DCB Decachlorobiphenyl (Surr)	Ave	49578557	45330775		36.7	40.1	-8.6	20.0



FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

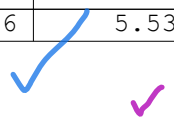
Lab Sample ID: CCV 410-674459/17
Calibration Date: 07/22/2025 12:04

Instrument ID: 17342
Calib Start Date: 07/15/2025 19:31

GC Column: DB CLP1 ID: 0.32(mm)
Calib End Date: 07/15/2025 20:23

Lab File ID: 44PCBS25196008.017.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.55	2.52	2.58
PCB-1016 Peak 2	2.77	2.74	2.80
PCB-1016 Peak 3	3.04	3.01	3.07
PCB-1016 Peak 4	3.09	3.06	3.12
PCB-1016 Peak 5	3.19	3.16	3.22
PCB-1016 Peak 6	3.35	3.32	3.38
PCB-1260 Peak 1	4.10	4.07	4.13
PCB-1260 Peak 2	4.52	4.50	4.56
PCB-1260 Peak 3	4.65	4.62	4.68
PCB-1260 Peak 4	4.85	4.82	4.88
PCB-1260 Peak 5	4.89	4.86	4.92
PCB-1260 Peak 6	5.20	5.17	5.23
Tetrachloro-m-xylene	2.26	2.23	2.29
DCB Decachlorobiphenyl (Surr)	5.56	5.53	5.59



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 410-674459/17
Calibration Date: 07/22/2025 12:04

Instrument ID: 17342
Calib Start Date: 07/15/2025 19:31

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 07/15/2025 20:23

Lab File ID: 44PCBS25196008.017.D
Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	19979188	16599364		167	201	-16.9	20.0
PCB-1016 Peak 2	Ave	27828813	22956462		166	201	-17.5	20.0
PCB-1016 Peak 3	Ave	55142591	45021010		164	201	-18.4	20.0
PCB-1016 Peak 4	Ave	25892897	21411850		166	201	-17.3	20.0
PCB-1016 Peak 5	Ave	26675862	22516709		170	201	-15.6	20.0
PCB-1016 Peak 6	Ave	27173280	23291323		173	201	-14.3	20.0
PCB-1260 Peak 1	Ave	52571872	48833935		187	201	-7.1	20.0
PCB-1260 Peak 2	Ave	64921355	60321363		187	201	-7.1	20.0
PCB-1260 Peak 3	Ave	39739206	38875145		197	201	-2.2	20.0
PCB-1260 Peak 4	Ave	95686885	86380068		182	201	-9.7	20.0
PCB-1260 Peak 5	Ave	54360351	50567924		187	201	-7.0	20.0
PCB-1260 Peak 6	Ave	19318963	19253569		201	201	-0.3	20.0
Tetrachloro-m-xylene	Ave	954753300	755074960	surr no qual	31.7	40.1	-20.9*	20.0
DCB Decachlorobiphenyl (Surr)	Ave	503348913	504338643		40.2	40.1	0.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 410-674459/17
Calibration Date: 07/22/2025 12:04

Instrument ID: 17342
Calib Start Date: 07/15/2025 19:31

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 07/15/2025 20:23

Lab File ID: 44PCBS25196008.017.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.98	2.95	3.01
PCB-1016 Peak 2	3.20	3.17	3.23
PCB-1016 Peak 3	3.53	3.50	3.56
PCB-1016 Peak 4	3.62	3.59	3.65
PCB-1016 Peak 5	3.70	3.67	3.73
PCB-1016 Peak 6	3.79	3.76	3.82
PCB-1260 Peak 1	4.50	4.47	4.53
PCB-1260 Peak 2	4.65	4.62	4.68
PCB-1260 Peak 3	5.03	5.00	5.06
PCB-1260 Peak 4	5.22	5.19	5.25
PCB-1260 Peak 5	5.41	5.38	5.44
PCB-1260 Peak 6	5.80	5.77	5.83
Tetrachloro-m-xylene	2.78	2.75	2.81
DCB Decachlorobiphenyl (Surr)	6.24	6.21	6.27



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 410-674459/29 Calibration Date: 07/22/2025 14:10

Instrument ID: 17342 Calib Start Date: 07/15/2025 19:31

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 07/15/2025 20:23

Lab File ID: 44PCBS25196008.029.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1039457	956416		185	201	-8.0	20.0
PCB-1016 Peak 2	Ave	1721913	1584873		185	201	-8.0	20.0
PCB-1016 Peak 3	Ave	3492148	3257492		188	201	-6.7	20.0
PCB-1016 Peak 4	Ave	1946691	1817755		188	201	-6.6	20.0
PCB-1016 Peak 5	Ave	1689941	1584582		189	201	-6.2	20.0
PCB-1016 Peak 6	Ave	1874257	1732863		186	201	-7.5	20.0
PCB-1260 Peak 1	Ave	4551426	4271120		189	201	-6.2	20.0
PCB-1260 Peak 2	Ave	3102941	2934940		190	201	-5.4	20.0
PCB-1260 Peak 3	Ave	6858703	7024196		206	201	2.4	20.0
PCB-1260 Peak 4	Ave	1518161	1436783		190	201	-5.4	20.0
PCB-1260 Peak 5	Ave	4388088	4406972		202	201	0.4	20.0
PCB-1260 Peak 6	Ave	1616938	1533658		191	201	-5.2	20.0
Tetrachloro-m-xylene	Ave	48544835	44968900		37.1	40.1	-7.4	20.0
DCB Decachlorobiphenyl (Surr)	Ave	49578557	46140429		37.3	40.1	-6.9	20.0



FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 410-674459/29
Calibration Date: 07/22/2025 14:10

Instrument ID: 17342
Calib Start Date: 07/15/2025 19:31

GC Column: DB CLP1 ID: 0.32(mm)
Calib End Date: 07/15/2025 20:23

Lab File ID: 44PCBS25196008.029.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.55	2.52	2.58
PCB-1016 Peak 2	2.77	2.74	2.80
PCB-1016 Peak 3	3.04	3.01	3.07
PCB-1016 Peak 4	3.09	3.06	3.12
PCB-1016 Peak 5	3.19	3.16	3.22
PCB-1016 Peak 6	3.35	3.32	3.38
PCB-1260 Peak 1	4.10	4.07	4.13
PCB-1260 Peak 2	4.53	4.50	4.56
PCB-1260 Peak 3	4.66	4.62	4.68
PCB-1260 Peak 4	4.85	4.82	4.88
PCB-1260 Peak 5	4.89	4.86	4.92
PCB-1260 Peak 6	5.21	5.17	5.23
Tetrachloro-m-xylene	2.26	2.23	2.29
DCB Decachlorobiphenyl (Surr)	5.57	5.53	5.59

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 410-674459/29 Calibration Date: 07/22/2025 14:10

Instrument ID: 17342 Calib Start Date: 07/15/2025 19:31

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 07/15/2025 20:23

Lab File ID: 44PCBS25196008.029.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	19979188	17056933		172	201	-14.6	20.0
PCB-1016 Peak 2	Ave	27828813	23045769		167	201	-17.2	20.0
PCB-1016 Peak 3	Ave	55142591	45284596		165	201	-17.9	20.0
PCB-1016 Peak 4	Ave	25892897	20971561		163	201	-19.0	20.0
PCB-1016 Peak 5	Ave	26675862	21477118		162	201	-19.5	20.0
PCB-1016 Peak 6	Ave	27173280	21553392		160	201	-20.7*	20.0
PCB-1260 Peak 1	Ave	52571872	39786581		152	201	-24.3*	20.0
PCB-1260 Peak 2	Ave	64921355	48717815		151	201	-25.0*	20.0
PCB-1260 Peak 3	Ave	39739206	29808661		151	201	-25.0*	20.0
PCB-1260 Peak 4	Ave	95686885	68344395		144	201	-28.6*	20.0
PCB-1260 Peak 5	Ave	54360351	39760910		147	201	-26.9*	20.0
PCB-1260 Peak 6	Ave	19318963	15912942		166	201	-17.6	20.0
Tetrachloro-m-xylene	Ave	954753300	824938223		34.6	40.1	-13.6	20.0
DCB Decachlorobiphenyl (Surr)	Ave	503348913	412594335		32.9	40.1	-18.0	20.0

Avg 164.8
%D = 18 - no qual

Avg 151.8
%D = 24% with sensitivity decrease

Qual 1260, 1254 UJ,CV- (Bracketing all samples)

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 410-674459/29
Calibration Date: 07/22/2025 14:10

Instrument ID: 17342
Calib Start Date: 07/15/2025 19:31

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 07/15/2025 20:23

Lab File ID: 44PCBS25196008.029.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.98	2.95	3.01
PCB-1016 Peak 2	3.20	3.17	3.23
PCB-1016 Peak 3	3.53	3.50	3.56
PCB-1016 Peak 4	3.62	3.59	3.65
PCB-1016 Peak 5	3.70	3.67	3.73
PCB-1016 Peak 6	3.79	3.76	3.82
PCB-1260 Peak 1	4.50	4.47	4.53
PCB-1260 Peak 2	4.66	4.62	4.68
PCB-1260 Peak 3	5.03	5.00	5.06
PCB-1260 Peak 4	5.22	5.19	5.25
PCB-1260 Peak 5	5.41	5.38	5.44
PCB-1260 Peak 6	5.81	5.77	5.83
Tetrachloro-m-xylene	2.78	2.75	2.81
DCB Decachlorobiphenyl (Surr)	6.25	6.21	6.27



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 410-674459/41
Calibration Date: 07/22/2025 16:16

Instrument ID: 17342
Calib Start Date: 07/15/2025 19:31

GC Column: DB CLP1 ID: 0.32(mm)
Calib End Date: 07/15/2025 20:23

Lab File ID: 44PCBS25196008.041.D
Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1039457	978250		189	201	-5.9	20.0
PCB-1016 Peak 2	Ave	1721913	1606408		188	201	-6.7	20.0
PCB-1016 Peak 3	Ave	3492148	3337582		192	201	-4.4	20.0
PCB-1016 Peak 4	Ave	1946691	1874705		194	201	-3.7	20.0
PCB-1016 Peak 5	Ave	1689941	1594924		190	201	-5.6	20.0
PCB-1016 Peak 6	Ave	1874257	1781429		191	201	-5.0	20.0
PCB-1260 Peak 1	Ave	4551426	4367607		193	201	-4.0	20.0
PCB-1260 Peak 2	Ave	3102941	3089170		200	201	-0.4	20.0
PCB-1260 Peak 3	Ave	6858703	7306932		214	201	6.5	20.0
PCB-1260 Peak 4	Ave	1518161	1502697		199	201	-1.0	20.0
PCB-1260 Peak 5	Ave	4388088	4714099		216	201	7.4	20.0
PCB-1260 Peak 6	Ave	1616938	1675881		209	201	3.6	20.0
Tetrachloro-m-xylene	Ave	48544835	47660555		39.3	40.1	-1.8	20.0
DCB Decachlorobiphenyl (Surr)	Ave	49578557	49117326		39.7	40.1	-0.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 410-674459/41
Calibration Date: 07/22/2025 16:16

Instrument ID: 17342
Calib Start Date: 07/15/2025 19:31

GC Column: DB CLP1 ID: 0.32(mm)
Calib End Date: 07/15/2025 20:23

Lab File ID: 44PCBS25196008.041.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.55	2.52	2.58
PCB-1016 Peak 2	2.77	2.74	2.80
PCB-1016 Peak 3	3.04	3.01	3.07
PCB-1016 Peak 4	3.09	3.06	3.12
PCB-1016 Peak 5	3.19	3.16	3.22
PCB-1016 Peak 6	3.35	3.32	3.38
PCB-1260 Peak 1	4.10	4.07	4.13
PCB-1260 Peak 2	4.52	4.50	4.56
PCB-1260 Peak 3	4.65	4.62	4.68
PCB-1260 Peak 4	4.85	4.82	4.88
PCB-1260 Peak 5	4.89	4.86	4.92
PCB-1260 Peak 6	5.20	5.17	5.23
Tetrachloro-m-xylene	2.26	2.23	2.29
DCB Decachlorobiphenyl (Surr)	5.56	5.53	5.59



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

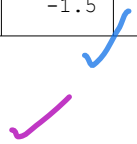
Lab Sample ID: CCV 410-674459/41 Calibration Date: 07/22/2025 16:16

Instrument ID: 17342 Calib Start Date: 07/15/2025 19:31

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 07/15/2025 20:23

Lab File ID: 44PCBS25196008.041.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	19979188	17613264		177	201	-11.8	20.0
PCB-1016 Peak 2	Ave	27828813	24964970		181	201	-10.3	20.0
PCB-1016 Peak 3	Ave	55142591	48884025		178	201	-11.3	20.0
PCB-1016 Peak 4	Ave	25892897	23005039		179	201	-11.2	20.0
PCB-1016 Peak 5	Ave	26675862	24513892		185	201	-8.1	20.0
PCB-1016 Peak 6	Ave	27173280	25059720		186	201	-7.8	20.0
PCB-1260 Peak 1	Ave	52571872	48481177		186	201	-7.8	20.0
PCB-1260 Peak 2	Ave	64921355	56591730		175	201	-12.8	20.0
PCB-1260 Peak 3	Ave	39739206	36862556		187	201	-7.2	20.0
PCB-1260 Peak 4	Ave	95686885	88117820		185	201	-7.9	20.0
PCB-1260 Peak 5	Ave	54360351	47691796		177	201	-12.3	20.0
PCB-1260 Peak 6	Ave	19318963	18452225		192	201	-4.5	20.0
Tetrachloro-m-xylene	Ave	954753300	861074683		36.1	40.1	-9.8	20.0
DCB Decachlorobiphenyl (Surr)	Ave	503348913	495856599		39.5	40.1	-1.5	20.0



FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

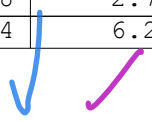
Lab Sample ID: CCV 410-674459/41
Calibration Date: 07/22/2025 16:16

Instrument ID: 17342
Calib Start Date: 07/15/2025 19:31

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 07/15/2025 20:23

Lab File ID: 44PCBS25196008.041.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.98	2.95	3.01
PCB-1016 Peak 2	3.20	3.17	3.23
PCB-1016 Peak 3	3.53	3.50	3.56
PCB-1016 Peak 4	3.62	3.59	3.65
PCB-1016 Peak 5	3.70	3.67	3.73
PCB-1016 Peak 6	3.79	3.76	3.82
PCB-1260 Peak 1	4.50	4.47	4.53
PCB-1260 Peak 2	4.65	4.62	4.68
PCB-1260 Peak 3	5.03	5.00	5.06
PCB-1260 Peak 4	5.21	5.19	5.25
PCB-1260 Peak 5	5.41	5.38	5.44
PCB-1260 Peak 6	5.80	5.77	5.83
Tetrachloro-m-xylene	2.78	2.75	2.81
DCB Decachlorobiphenyl (Surr)	6.24	6.21	6.27



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-674180/1-A

Matrix: Solid
Lab File ID: 44PCBS25196008.007.D

Analysis Method: 8082A
Date Collected:

Extraction Method: 3546
Date Extracted: 07/21/2025 17:00

Sample wt/vol: 30.0(g)
Date Analyzed: 07/22/2025 10:19

Con. Extract Vol.: 10(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: mg/Kg

Preparation Batch No.: 674180
Instrument ID: 17342

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.017	0.0053
11104-28-2	PCB-1221	ND		0.017	0.0053
11141-16-5	PCB-1232	ND		0.017	0.0053
53469-21-9	PCB-1242	ND		0.017	0.0053
12672-29-6	PCB-1248	ND		0.017	0.0053
11097-69-1	PCB-1254	ND		0.017	0.0064
11096-82-5	PCB-1260	ND		0.017	0.0064

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	93		68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	93		66-130

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-674180/1-A

Matrix: Solid
Lab File ID: 44PCBS25196008.007.D

Analysis Method: 8082A
Date Collected:

Extraction Method: 3546
Date Extracted: 07/21/2025 17:00

Sample wt/vol: 30.0(g)
Date Analyzed: 07/22/2025 10:19

Con. Extract Vol.: 10(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: mg/Kg

Preparation Batch No.: 674180
Instrument ID: 17342

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	88		68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	101		66-130

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: PIBLK 410-674459/6

Matrix: Solid
Lab File ID: 44PCBS25196008.006.D

Analysis Method: 8082A
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 1(uL)
Date Analyzed: 07/22/2025 10:09

Con. Extract Vol.: 1(uL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: ug/L

Preparation Batch No.:
Instrument ID: 17342

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		25	5.0
11104-28-2	PCB-1221	ND		25	5.0
11141-16-5	PCB-1232	ND		25	5.0
53469-21-9	PCB-1242	ND		25	5.0
12672-29-6	PCB-1248	ND		25	5.0
11097-69-1	PCB-1254	ND		25	3.9
11096-82-5	PCB-1260	ND		25	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96		68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	102		66-130

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: PIBLK 410-674459/6

Matrix: Solid
Lab File ID: 44PCBS25196008.006.D

Analysis Method: 8082A
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 1(uL)
Date Analyzed: 07/22/2025 10:09

Con. Extract Vol.: 1(uL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: ug/L

Preparation Batch No.:
Instrument ID: 17342

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*PCB-1016*	*ND*		*25*	*5.0*
11104-28-2	*PCB-1221*	*ND*		*25*	*5.0*
11141-16-5	*PCB-1232*	*ND*		*25*	*5.0*
53469-21-9	*PCB-1242*	*ND*		*25*	*5.0*
12672-29-6	*PCB-1248*	*ND*		*25*	*5.0*
11097-69-1	*PCB-1254*	*ND*		*25*	*3.9*
11096-82-5	*PCB-1260*	*ND*		*25*	*3.9*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	90		68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	103		66-130

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: PIBLK 410-674459/18

Matrix: Solid
Lab File ID: 44PCBS25196008.018.D

Analysis Method: 8082A
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 1(uL)
Date Analyzed: 07/22/2025 12:14

Con. Extract Vol.: 1(uL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: ug/L

Preparation Batch No.:
Instrument ID: 17342

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		25	5.0
11104-28-2	PCB-1221	ND		25	5.0
11141-16-5	PCB-1232	ND		25	5.0
53469-21-9	PCB-1242	ND		25	5.0
12672-29-6	PCB-1248	ND		25	5.0
11097-69-1	PCB-1254	ND		25	3.9
11096-82-5	PCB-1260	ND		25	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	91		68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	100		66-130

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: PIBLK 410-674459/18

Matrix: Solid
Lab File ID: 44PCBS25196008.018.D

Analysis Method: 8082A
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 1(uL)
Date Analyzed: 07/22/2025 12:14

Con. Extract Vol.: 1(uL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: ug/L

Preparation Batch No.:
Instrument ID: 17342

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*PCB-1016*	*ND*		*25*	*5.0*
11104-28-2	*PCB-1221*	*ND*		*25*	*5.0*
11141-16-5	*PCB-1232*	*ND*		*25*	*5.0*
53469-21-9	*PCB-1242*	*ND*		*25*	*5.0*
12672-29-6	*PCB-1248*	*ND*		*25*	*5.0*
11097-69-1	*PCB-1254*	*ND*		*25*	*3.9*
11096-82-5	*PCB-1260*	*ND*		*25*	*3.9*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	87		68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	104		66-130

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: PIBLK 410-674459/30

Matrix: Solid
Lab File ID: 44PCBS25196008.030.D

Analysis Method: 8082A
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 1(uL)
Date Analyzed: 07/22/2025 14:21

Con. Extract Vol.: 1(uL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: ug/L

Preparation Batch No.:
Instrument ID: 17342

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		25	5.0
11104-28-2	PCB-1221	ND		25	5.0
11141-16-5	PCB-1232	ND		25	5.0
53469-21-9	PCB-1242	ND		25	5.0
12672-29-6	PCB-1248	ND		25	5.0
11097-69-1	PCB-1254	ND		25	3.9
11096-82-5	PCB-1260	ND		25	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	94		68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	99		66-130

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: PIBLK 410-674459/30

Matrix: Solid
Lab File ID: 44PCBS25196008.030.D

Analysis Method: 8082A
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 1(uL)
Date Analyzed: 07/22/2025 14:21

Con. Extract Vol.: 1(uL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: ug/L

Preparation Batch No.:
Instrument ID: 17342

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*PCB-1016*	*ND*		*25*	*5.0*
11104-28-2	*PCB-1221*	*ND*		*25*	*5.0*
11141-16-5	*PCB-1232*	*ND*		*25*	*5.0*
53469-21-9	*PCB-1242*	*ND*		*25*	*5.0*
12672-29-6	*PCB-1248*	*ND*		*25*	*5.0*
11097-69-1	*PCB-1254*	*ND*		*25*	*3.9*
11096-82-5	*PCB-1260*	*ND*		*25*	*3.9*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	87		68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	92		66-130

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: PIBLK 410-674459/42

Matrix: Solid
Lab File ID: 44PCBS25196008.042.D

Analysis Method: 8082A
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 1(uL)
Date Analyzed: 07/22/2025 16:27

Con. Extract Vol.: 1(uL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: ug/L

Preparation Batch No.:
Instrument ID: 17342

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		25	5.0
11104-28-2	PCB-1221	ND		25	5.0
11141-16-5	PCB-1232	ND		25	5.0
53469-21-9	PCB-1242	ND		25	5.0
12672-29-6	PCB-1248	ND		25	5.0
11097-69-1	PCB-1254	ND		25	3.9
11096-82-5	PCB-1260	ND		25	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	102		68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	103		66-130

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: PIBLK 410-674459/42

Matrix: Solid
Lab File ID: 44PCBS25196008.042.D

Analysis Method: 8082A
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 1(uL)
Date Analyzed: 07/22/2025 16:27

Con. Extract Vol.: 1(uL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: ug/L

Preparation Batch No.:
Instrument ID: 17342

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*PCB-1016*	*ND*		*25*	*5.0*
11104-28-2	*PCB-1221*	*ND*		*25*	*5.0*
11141-16-5	*PCB-1232*	*ND*		*25*	*5.0*
53469-21-9	*PCB-1242*	*ND*		*25*	*5.0*
12672-29-6	*PCB-1248*	*ND*		*25*	*5.0*
11097-69-1	*PCB-1254*	*ND*		*25*	*3.9*
11096-82-5	*PCB-1260*	*ND*		*25*	*3.9*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	92		68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	101		66-130

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-674180/2-A

Matrix: Solid
Lab File ID: 44PCBS25196008.008.D

Analysis Method: 8082A
Date Collected:

Extraction Method: 3546
Date Extracted: 07/21/2025 17:00

Sample wt/vol: 30.0(g)
Date Analyzed: 07/22/2025 10:30

Con. Extract Vol.: 10(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: mg/Kg

Preparation Batch No.: 674180
Instrument ID: 17342

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.145		0.017	0.0053
11096-82-5	PCB-1260	0.151		0.017	0.0064

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	92		68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	96		66-130

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-674180/2-A

Matrix: Solid
Lab File ID: 44PCBS25196008.008.D

Analysis Method: 8082A
Date Collected:

Extraction Method: 3546
Date Extracted: 07/21/2025 17:00

Sample wt/vol: 30.0(g)
Date Analyzed: 07/22/2025 10:30

Con. Extract Vol.: 10(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: mg/Kg

Preparation Batch No.: 674180
Instrument ID: 17342

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	88		68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	107		66-130

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

not validating MS/MSD in this review

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48" MS Lab Sample ID: 480-231006-3 MS

Matrix: Solid Lab File ID: 44PCBS25196008.024.D

Analysis Method: 8082A Date Collected: 07/09/2025 12:00

Extraction Method: 3546 Date Extracted: 07/21/2025 17:00

Sample wt/vol: 30.1(g) Date Analyzed: 07/22/2025 13:18

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: 6.0 % Solids: 94.0 GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459 Units: mg/Kg

Preparation Batch No.: 674180 Instrument ID: 17342

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.137		0.018	0.0056
11104-28-2	PCB-1221	ND		0.018	0.0056
11141-16-5	PCB-1232	ND		0.018	0.0056
53469-21-9	PCB-1242	ND		0.018	0.0056
12672-29-6	PCB-1248	ND		0.018	0.0056
11097-69-1	PCB-1254	ND		0.018	0.0068
11096-82-5	PCB-1260	0.128		0.018	0.0068

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96		68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	72		66-130

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48" MS Lab Sample ID: 480-231006-3 MS

Matrix: Solid Lab File ID: 44PCBS25196008.024.D

Analysis Method: 8082A Date Collected: 07/09/2025 12:00

Extraction Method: 3546 Date Extracted: 07/21/2025 17:00

Sample wt/vol: 30.1(g) Date Analyzed: 07/22/2025 13:18

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: 6.0 % Solids: 94.0 GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459 Units: mg/Kg

Preparation Batch No.: 674180 Instrument ID: 17342

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	57	S1- p	68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	68		66-130

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48" MSD
Lab Sample ID: 480-231006-3 MSD

Matrix: Solid
Lab File ID: 44PCBS25196008.025.D

Analysis Method: 8082A
Date Collected: 07/09/2025 12:00

Extraction Method: 3546
Date Extracted: 07/21/2025 17:00

Sample wt/vol: 30.3(g)
Date Analyzed: 07/22/2025 13:28

Con. Extract Vol.: 10(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: 6.0 % Solids: 94.0
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459
Units: mg/Kg

Preparation Batch No.: 674180
Instrument ID: 17342

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.135		0.018	0.0056
11104-28-2	PCB-1221	ND		0.018	0.0056
11141-16-5	PCB-1232	ND		0.018	0.0056
53469-21-9	PCB-1242	ND		0.018	0.0056
12672-29-6	PCB-1248	ND		0.018	0.0056
11097-69-1	PCB-1254	ND		0.018	0.0067
11096-82-5	PCB-1260	0.127		0.018	0.0067

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	91		68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	76		66-130

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48" MSD Lab Sample ID: 480-231006-3 MSD

Matrix: Solid Lab File ID: 44PCBS25196008.025.D

Analysis Method: 8082A Date Collected: 07/09/2025 12:00

Extraction Method: 3546 Date Extracted: 07/21/2025 17:00

Sample wt/vol: 30.3(g) Date Analyzed: 07/22/2025 13:28

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: 6.0 % Solids: 94.0 GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674459 Units: mg/Kg

Preparation Batch No.: 674180 Instrument ID: 17342

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	55	S1- p	68-130
2051-24-3	DCB Decachlorobiphenyl (Surr)	65	S1-	66-130

no technical HT for PCBs, but all analyzed w/i 40 d

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 17342 Start Date: 07/15/2025 19:10

Analysis Batch Number: 671695 End Date: 07/16/2025 02:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 410-671695/6		07/15/2025 19:10	1		DB CLP1 0.32(mm)
PIBLK 410-671695/6		07/15/2025 19:10	1		DB CLP2 0.32(mm)
ZZZZZ		07/15/2025 19:20	1		DB CLP1 0.32(mm)
ZZZZZ		07/15/2025 19:20	1		DB CLP2 0.32(mm)
IC 410-671695/8		07/15/2025 19:31	1	44PCBS25196001.008.D	DB CLP1 0.32(mm)
IC 410-671695/8		07/15/2025 19:31	1	44PCBS25196001.008.D	DB CLP2 0.32(mm)
IC 410-671695/9		07/15/2025 19:41	1	44PCBS25196001.009.D	DB CLP1 0.32(mm)
IC 410-671695/9		07/15/2025 19:41	1	44PCBS25196001.009.D	DB CLP2 0.32(mm)
IC 410-671695/10		07/15/2025 19:52	1	44PCBS25196001.010.D	DB CLP1 0.32(mm)
IC 410-671695/10		07/15/2025 19:52	1	44PCBS25196001.010.D	DB CLP2 0.32(mm)
ICRT 410-671695/11		07/15/2025 20:02	1	44PCBS25196001.011.D	DB CLP1 0.32(mm)
ICRT 410-671695/11		07/15/2025 20:02	1	44PCBS25196001.011.D	DB CLP2 0.32(mm)
IC 410-671695/12		07/15/2025 20:13	1	44PCBS25196001.012.D	DB CLP1 0.32(mm)
IC 410-671695/12		07/15/2025 20:13	1	44PCBS25196001.012.D	DB CLP2 0.32(mm)
IC 410-671695/13		07/15/2025 20:23	1	44PCBS25196001.013.D	DB CLP1 0.32(mm)
IC 410-671695/13		07/15/2025 20:23	1	44PCBS25196001.013.D	DB CLP2 0.32(mm)
IC 410-671695/14		07/15/2025 20:34	1	44PCBS25196001.014.D	DB CLP1 0.32(mm)
IC 410-671695/14		07/15/2025 20:34	1	44PCBS25196001.014.D	DB CLP2 0.32(mm)
IC 410-671695/15		07/15/2025 20:44	1	44PCBS25196001.015.D	DB CLP1 0.32(mm)
IC 410-671695/15		07/15/2025 20:44	1	44PCBS25196001.015.D	DB CLP2 0.32(mm)
IC 410-671695/16		07/15/2025 20:55	1	44PCBS25196001.016.D	DB CLP1 0.32(mm)
IC 410-671695/16		07/15/2025 20:55	1	44PCBS25196001.016.D	DB CLP2 0.32(mm)
ICRT 410-671695/17		07/15/2025 21:05	1	44PCBS25196001.017.D	DB CLP1 0.32(mm)
ICRT 410-671695/17		07/15/2025 21:05	1	44PCBS25196001.017.D	DB CLP2 0.32(mm)
IC 410-671695/18		07/15/2025 21:15	1	44PCBS25196001.018.D	DB CLP1 0.32(mm)
IC 410-671695/18		07/15/2025 21:15	1	44PCBS25196001.018.D	DB CLP2 0.32(mm)
IC 410-671695/19		07/15/2025 21:26	1	44PCBS25196001.019.D	DB CLP1 0.32(mm)
IC 410-671695/19		07/15/2025 21:26	1	44PCBS25196001.019.D	DB CLP2 0.32(mm)
IC 410-671695/20		07/15/2025 21:37	1	44PCBS25196001.020.D	DB CLP1 0.32(mm)
IC 410-671695/20		07/15/2025 21:37	1	44PCBS25196001.020.D	DB CLP2 0.32(mm)
IC 410-671695/21		07/15/2025 21:47	1	44PCBS25196001.021.D	DB CLP1 0.32(mm)
IC 410-671695/21		07/15/2025 21:47	1	44PCBS25196001.021.D	DB CLP2 0.32(mm)

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 17342 Start Date: 07/15/2025 19:10

Analysis Batch Number: 671695 End Date: 07/16/2025 02:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 410-671695/22		07/15/2025 21:58	1	44PCBS25196001.022.D	DB CLP1 0.32(mm)
IC 410-671695/22		07/15/2025 21:58	1	44PCBS25196001.022.D	DB CLP2 0.32(mm)
ICRT 410-671695/23		07/15/2025 22:08	1	44PCBS25196001.023.D	DB CLP1 0.32(mm)
ICRT 410-671695/23		07/15/2025 22:08	1	44PCBS25196001.023.D	DB CLP2 0.32(mm)
IC 410-671695/24		07/15/2025 22:19	1	44PCBS25196001.024.D	DB CLP1 0.32(mm)
IC 410-671695/24		07/15/2025 22:19	1	44PCBS25196001.024.D	DB CLP2 0.32(mm)
IC 410-671695/25		07/15/2025 22:29	1	44PCBS25196001.025.D	DB CLP1 0.32(mm)
IC 410-671695/25		07/15/2025 22:29	1	44PCBS25196001.025.D	DB CLP2 0.32(mm)
ICRT 410-671695/26		07/15/2025 22:40	1		DB CLP1 0.32(mm)
ICRT 410-671695/26		07/15/2025 22:40	1		DB CLP2 0.32(mm)
ICRT 410-671695/27		07/15/2025 22:50	1		DB CLP1 0.32(mm)
ICRT 410-671695/27		07/15/2025 22:50	1		DB CLP2 0.32(mm)
ICRT 410-671695/28		07/15/2025 23:01	1	44PCBS25196001.028.D	DB CLP1 0.32(mm)
ICRT 410-671695/28		07/15/2025 23:01	1	44PCBS25196001.028.D	DB CLP2 0.32(mm)
ICRT 410-671695/29		07/15/2025 23:11	1	44PCBS25196001.029.D	DB CLP1 0.32(mm)
ICRT 410-671695/29		07/15/2025 23:11	1	44PCBS25196001.029.D	DB CLP2 0.32(mm)
ICRT 410-671695/30		07/15/2025 23:22	1	44PCBS25196001.030.D	DB CLP1 0.32(mm)
ICRT 410-671695/30		07/15/2025 23:22	1	44PCBS25196001.030.D	DB CLP2 0.32(mm)
ZZZZZ		07/15/2025 23:32	1		DB CLP1 0.32(mm)
ZZZZZ		07/15/2025 23:32	1		DB CLP2 0.32(mm)
ICVL 410-671695/32		07/15/2025 23:43	1		DB CLP1 0.32(mm)
ICVL 410-671695/32		07/15/2025 23:43	1		DB CLP2 0.32(mm)
ICV 410-671695/33		07/15/2025 23:53	1	44PCBS25196001.033.D	DB CLP1 0.32(mm)
ICV 410-671695/33		07/15/2025 23:53	1	44PCBS25196001.033.D	DB CLP2 0.32(mm)
ICV 410-671695/34		07/16/2025 00:04	1	44PCBS25196001.034.D	DB CLP1 0.32(mm)
ICV 410-671695/34		07/16/2025 00:04	1	44PCBS25196001.034.D	DB CLP2 0.32(mm)
ICV 410-671695/35		07/16/2025 00:14	1	44PCBS25196001.035.D	DB CLP1 0.32(mm)
ICV 410-671695/35		07/16/2025 00:14	1	44PCBS25196001.035.D	DB CLP2 0.32(mm)
ZZZZZ (QC)		07/16/2025 00:46	1		DB CLP1 0.32(mm)
ZZZZZ (QC)		07/16/2025 00:46	1		DB CLP2 0.32(mm)
ZZZZZ (QC)		07/16/2025 00:56	1		DB CLP1 0.32(mm)
ZZZZZ (QC)		07/16/2025 00:56	1		DB CLP2 0.32(mm)
ZZZZZ (QC)		07/16/2025 01:07	1		DB CLP1 0.32(mm)
ZZZZZ (QC)		07/16/2025 01:07	1		DB CLP2 0.32(mm)
ZZZZZ (QC)		07/16/2025 01:17	1		DB CLP1 0.32(mm)
ZZZZZ (QC)		07/16/2025 01:17	1		DB CLP2 0.32(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 17342 Start Date: 07/15/2025 19:10

Analysis Batch Number: 671695 End Date: 07/16/2025 02:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ (Client)		07/16/2025 01:28	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/16/2025 01:28	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/16/2025 01:38	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/16/2025 01:38	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/16/2025 01:49	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/16/2025 01:49	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/16/2025 01:59	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/16/2025 01:59	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/16/2025 02:10	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/16/2025 02:10	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/16/2025 02:20	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/16/2025 02:20	1		DB CLP2 0.32(mm)
CCV 410-671695/49		07/16/2025 02:41	1		DB CLP1 0.32(mm)
CCV 410-671695/49		07/16/2025 02:41	1		DB CLP2 0.32(mm)
PIBLK 410-671695/50		07/16/2025 02:52	1		DB CLP1 0.32(mm)
PIBLK 410-671695/50		07/16/2025 02:52	1		DB CLP2 0.32(mm)

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 17342 Start Date: 07/22/2025 09:37

Analysis Batch Number: 674459 End Date: 07/22/2025 20:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		07/22/2025 09:37	1		DB CLP1 0.32(mm)
ZZZZZ		07/22/2025 09:37	1		DB CLP2 0.32(mm)
ZZZZZ		07/22/2025 09:48	1		DB CLP1 0.32(mm)
ZZZZZ		07/22/2025 09:48	1		DB CLP2 0.32(mm)
CCVRT 410-674459/5		07/22/2025 09:58	1	44PCBS25196008.005.D	DB CLP1 0.32(mm)
CCVRT 410-674459/5		07/22/2025 09:58	1	44PCBS25196008.005.D	DB CLP2 0.32(mm)
PIBLK 410-674459/6		07/22/2025 10:09	1	44PCBS25196008.006.D	DB CLP1 0.32(mm)
PIBLK 410-674459/6		07/22/2025 10:09	1	44PCBS25196008.006.D	DB CLP2 0.32(mm)
MB 410-674180/1-A		07/22/2025 10:19	1	44PCBS25196008.007.D	DB CLP1 0.32(mm)
MB 410-674180/1-A		07/22/2025 10:19	1	44PCBS25196008.007.D	DB CLP2 0.32(mm)
LCS 410-674180/2-A		07/22/2025 10:30	1	44PCBS25196008.008.D	DB CLP1 0.32(mm)
LCS 410-674180/2-A		07/22/2025 10:30	1	44PCBS25196008.008.D	DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 10:40	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 10:40	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 10:51	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 10:51	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 11:01	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 11:01	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 11:12	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 11:12	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 11:22	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 11:22	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 11:33	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 11:33	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 11:43	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 11:43	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 11:54	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 11:54	1		DB CLP2 0.32(mm)
CCV 410-674459/17		07/22/2025 12:04	1	44PCBS25196008.017.D	DB CLP1 0.32(mm)
CCV 410-674459/17		07/22/2025 12:04	1	44PCBS25196008.017.D	DB CLP2 0.32(mm)
PIBLK 410-674459/18		07/22/2025 12:14	1	44PCBS25196008.018.D	DB CLP1 0.32(mm)
PIBLK 410-674459/18		07/22/2025 12:14	1	44PCBS25196008.018.D	DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 12:25	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 12:25	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 12:36	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 12:36	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 12:46	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 12:46	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 12:56	1		DB CLP1 0.32(mm)

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 17342 Start Date: 07/22/2025 09:37

Analysis Batch Number: 674459 End Date: 07/22/2025 20:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ (Client)		07/22/2025 12:56	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 13:07	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 13:07	1		DB CLP2 0.32(mm)
480-231006-3 MS	SB1-12'-48" MS	07/22/2025 13:18	1	44PCBS25196008.024.D	DB CLP1 0.32(mm)
480-231006-3 MS	SB1-12'-48" MS	07/22/2025 13:18	1	44PCBS25196008.024.D	DB CLP2 0.32(mm)
480-231006-3 MSD	SB1-12'-48" MSD	07/22/2025 13:28	1	44PCBS25196008.025.D	DB CLP1 0.32(mm)
480-231006-3 MSD	SB1-12'-48" MSD	07/22/2025 13:28	1	44PCBS25196008.025.D	DB CLP2 0.32(mm)
480-231006-3	SB1-12'-48"	07/22/2025 13:39	1	44PCBS25196008.026.D	DB CLP1 0.32(mm)
480-231006-3	SB1-12'-48"	07/22/2025 13:39	1	44PCBS25196008.026.D	DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 13:49	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 13:49	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 14:00	200		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 14:00	200		DB CLP2 0.32(mm)
CCV 410-674459/29		07/22/2025 14:10	1	44PCBS25196008.029.D	DB CLP1 0.32(mm)
CCV 410-674459/29		07/22/2025 14:10	1	44PCBS25196008.029.D	DB CLP2 0.32(mm)
PIBLK 410-674459/30		07/22/2025 14:21	1	44PCBS25196008.030.D	DB CLP1 0.32(mm)
PIBLK 410-674459/30		07/22/2025 14:21	1	44PCBS25196008.030.D	DB CLP2 0.32(mm)
480-231006-5	SB1-5'-8'	07/22/2025 14:31	1	44PCBS25196008.031.D	DB CLP1 0.32(mm)
480-231006-5	SB1-5'-8'	07/22/2025 14:31	1	44PCBS25196008.031.D	DB CLP2 0.32(mm)
480-231006-12	SB2-12"-5'	07/22/2025 14:42	1	44PCBS25196008.032.D	DB CLP1 0.32(mm)
480-231006-12	SB2-12"-5'	07/22/2025 14:42	1	44PCBS25196008.032.D	DB CLP2 0.32(mm)
480-231006-14	SB2-9'-10'	07/22/2025 14:52	1	44PCBS25196008.033.D	DB CLP1 0.32(mm)
480-231006-14	SB2-9'-10'	07/22/2025 14:52	1	44PCBS25196008.033.D	DB CLP2 0.32(mm)
ZZZZZ (QC)		07/22/2025 15:03	1		DB CLP1 0.32(mm)
ZZZZZ (QC)		07/22/2025 15:03	1		DB CLP2 0.32(mm)
ZZZZZ (QC)		07/22/2025 15:13	1		DB CLP1 0.32(mm)
ZZZZZ (QC)		07/22/2025 15:13	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 15:24	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 15:24	1		DB CLP2 0.32(mm)
ZZZZZ (QC)		07/22/2025 15:45	1		DB CLP1 0.32(mm)
ZZZZZ (QC)		07/22/2025 15:45	1		DB CLP2 0.32(mm)
ZZZZZ (QC)		07/22/2025 15:55	1		DB CLP1 0.32(mm)
ZZZZZ (QC)		07/22/2025 15:55	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 16:06	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 16:06	1		DB CLP2 0.32(mm)
CCV 410-674459/41		07/22/2025 16:16	1	44PCBS25196008.041.D	DB CLP1 0.32(mm)

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PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 17342 Start Date: 07/22/2025 09:37

Analysis Batch Number: 674459 End Date: 07/22/2025 20:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 410-674459/41		07/22/2025 16:16	1	44PCBS25196008.041.D	DB CLP2 0.32(mm)
PIBLK 410-674459/42		07/22/2025 16:27	1	44PCBS25196008.042.D	DB CLP1 0.32(mm)
PIBLK 410-674459/42		07/22/2025 16:27	1	44PCBS25196008.042.D	DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 16:48	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 16:48	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 16:58	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 16:58	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 17:09	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 17:09	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 17:19	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 17:19	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 17:29	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 17:29	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 17:40	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 17:40	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 17:50	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 17:50	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 18:01	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 18:01	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 18:11	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 18:11	1		DB CLP2 0.32(mm)
CCV 410-674459/53		07/22/2025 18:22	1		DB CLP1 0.32(mm)
CCV 410-674459/53		07/22/2025 18:22	1		DB CLP2 0.32(mm)
PIBLK 410-674459/54		07/22/2025 18:32	1		DB CLP1 0.32(mm)
PIBLK 410-674459/54		07/22/2025 18:32	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 18:43	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 18:43	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 18:53	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 18:53	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 19:04	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 19:04	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 19:14	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 19:14	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 19:25	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 19:25	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 19:35	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 19:35	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 19:46	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 19:46	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 19:56	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 19:56	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		07/22/2025 20:07	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		07/22/2025 20:07	1		DB CLP2 0.32(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 17342 Start Date: 07/22/2025 09:37

Analysis Batch Number: 674459 End Date: 07/22/2025 20:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 410-674459/65		07/22/2025 20:28	1		DB CLP1 0.32(mm)
CCV 410-674459/65		07/22/2025 20:28	1		DB CLP2 0.32(mm)
PIBLK 410-674459/66		07/22/2025 20:38	1		DB CLP1 0.32(mm)
PIBLK 410-674459/66		07/22/2025 20:38	1		DB CLP2 0.32(mm)

PCBS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 671695 Batch Start Date: 07/15/25 19:10 Batch Analyst: Reina, Robert

Batch Method: 8082A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	GCS_AR161 00016	GCS_AR162 00015	GCS_AR163 00014	GCS_AR164 00016	GCS_AR165 00014
IC 410-671695/8		8082A			1 uL	1 mL				
IC 410-671695/9		8082A			1 uL		1 mL			
IC 410-671695/10		8082A			1 uL			1 mL		
ICRT 410-671695/11		8082A			1 uL				1 mL	
IC 410-671695/12		8082A			1 uL					1 mL
IC 410-671695/13		8082A			1 uL					
IC 410-671695/14		8082A			1 uL					
IC 410-671695/15		8082A			1 uL					
IC 410-671695/16		8082A			1 uL					
ICRT 410-671695/17		8082A			1 uL					
IC 410-671695/18		8082A			1 uL					
IC 410-671695/19		8082A			1 uL					
IC 410-671695/20		8082A			1 uL					
IC 410-671695/21		8082A			1 uL					
IC 410-671695/22		8082A			1 uL					
ICRT 410-671695/23		8082A			1 uL					
IC 410-671695/24		8082A			1 uL					
IC 410-671695/25		8082A			1 uL					
ICRT 410-671695/28		8082A			1 uL					
ICRT 410-671695/29		8082A			1 uL					
ICRT 410-671695/30		8082A			1 uL					
ICV 410-671695/33		8082A			1 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 671695 Batch Start Date: 07/15/25 19:10 Batch Analyst: Reina, Robert

Batch Method: 8082A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	GCS_AR161 00016	GCS_AR162 00015	GCS_AR163 00014	GCS_AR164 00016	GCS_AR165 00014
ICV 410-671695/34		8082A			1 uL					
ICV 410-671695/35		8082A			1 uL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GCS_AR166 00014	gcs_AR214 00010	GCS_AR324 00013	gcs_AR424 00013	GCS_AR481 00010	GCS_AR482 00010
IC 410-671695/8		8082A								
IC 410-671695/9		8082A								
IC 410-671695/10		8082A								
ICRT 410-671695/11		8082A								
IC 410-671695/12		8082A								
IC 410-671695/13		8082A			1 mL					
IC 410-671695/14		8082A							1 mL	
IC 410-671695/15		8082A								1 mL
IC 410-671695/16		8082A								
ICRT 410-671695/17		8082A								
IC 410-671695/18		8082A								
IC 410-671695/19		8082A								
IC 410-671695/20		8082A								
IC 410-671695/21		8082A								
IC 410-671695/22		8082A								
ICRT 410-671695/23		8082A								
IC 410-671695/24		8082A								
IC 410-671695/25		8082A								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 671695 Batch Start Date: 07/15/25 19:10 Batch Analyst: Reina, Robert

Batch Method: 8082A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GCS_AR166 00014	gcs_AR214 00010	GCS_AR324 00013	gcs_AR424 00013	GCS_AR481 00010	GCS_AR482 00010
ICRT 410-671695/28		8082A				1 mL				
ICRT 410-671695/29		8082A					1 mL			
ICRT 410-671695/30		8082A						1 mL		
ICV 410-671695/33		8082A								
ICV 410-671695/34		8082A								
ICV 410-671695/35		8082A								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GCS_AR483 00010	GCS_AR484 00010	GCS_AR485 00010	GCS_AR486 00010	GCS_AR541 00013	GCS_AR542 00012
IC 410-671695/8		8082A								
IC 410-671695/9		8082A								
IC 410-671695/10		8082A								
ICRT 410-671695/11		8082A								
IC 410-671695/12		8082A								
IC 410-671695/13		8082A								
IC 410-671695/14		8082A								
IC 410-671695/15		8082A								
IC 410-671695/16		8082A			1 mL					
ICRT 410-671695/17		8082A				1 mL				
IC 410-671695/18		8082A					1 mL			
IC 410-671695/19		8082A						1 mL		
IC 410-671695/20		8082A							1 mL	
IC 410-671695/21		8082A								1 mL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 671695 Batch Start Date: 07/15/25 19:10 Batch Analyst: Reina, Robert

Batch Method: 8082A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GCS_AR483 00010	GCS_AR484 00010	GCS_AR485 00010	GCS_AR486 00010	GCS_AR541 00013	GCS_AR542 00012
IC 410-671695/22		8082A								
ICRT 410-671695/23		8082A								
IC 410-671695/24		8082A								
IC 410-671695/25		8082A								
ICRT 410-671695/28		8082A								
ICRT 410-671695/29		8082A								
ICRT 410-671695/30		8082A								
ICV 410-671695/33		8082A								
ICV 410-671695/34		8082A								
ICV 410-671695/35		8082A								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GCS_AR543 00013	GCS_AR544 00012	GCS_AR545 00013	GCS_AR546 00012	GCS_IC16 00017	GCS_IC48 00011
IC 410-671695/8		8082A								
IC 410-671695/9		8082A								
IC 410-671695/10		8082A								
ICRT 410-671695/11		8082A								
IC 410-671695/12		8082A								
IC 410-671695/13		8082A								
IC 410-671695/14		8082A								
IC 410-671695/15		8082A								
IC 410-671695/16		8082A								
ICRT 410-671695/17		8082A								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 671695 Batch Start Date: 07/15/25 19:10 Batch Analyst: Reina, Robert

Batch Method: 8082A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GCS_AR543 00013	GCS_AR544 00012	GCS_AR545 00013	GCS_AR546 00012	GCS_IC16 00017	GCS_IC48 00011
IC 410-671695/18		8082A								
IC 410-671695/19		8082A								
IC 410-671695/20		8082A								
IC 410-671695/21		8082A								
IC 410-671695/22		8082A			1 mL					
ICRT 410-671695/23		8082A				1 mL				
IC 410-671695/24		8082A					1 mL			
IC 410-671695/25		8082A						1 mL		
ICRT 410-671695/28		8082A								
ICRT 410-671695/29		8082A								
ICRT 410-671695/30		8082A								
ICV 410-671695/33		8082A							1 mL	
ICV 410-671695/34		8082A								1 mL
ICV 410-671695/35		8082A								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GCS_IC54 00011					
IC 410-671695/8		8082A								
IC 410-671695/9		8082A								
IC 410-671695/10		8082A								
ICRT 410-671695/11		8082A								
IC 410-671695/12		8082A								
IC 410-671695/13		8082A								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 671695 Batch Start Date: 07/15/25 19:10 Batch Analyst: Reina, Robert

Batch Method: 8082A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GCS_IC54 00011					
IC 410-671695/14		8082A								
IC 410-671695/15		8082A								
IC 410-671695/16		8082A								
ICRT 410-671695/17		8082A								
IC 410-671695/18		8082A								
IC 410-671695/19		8082A								
IC 410-671695/20		8082A								
IC 410-671695/21		8082A								
IC 410-671695/22		8082A								
ICRT 410-671695/23		8082A								
IC 410-671695/24		8082A								
IC 410-671695/25		8082A								
ICRT 410-671695/28		8082A								
ICRT 410-671695/29		8082A								
ICRT 410-671695/30		8082A								
ICV 410-671695/33		8082A								
ICV 410-671695/34		8082A								
ICV 410-671695/35		8082A			1 mL					

Batch Notes	
Vial Lot Number	23096083
Copper ID	222090-BR

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 671695 Batch Start Date: 07/15/25 19:10 Batch Analyst: Reina, Robert

Batch Method: 8082A Batch End Date:

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 674180 Batch Start Date: 07/21/25 17:00 Batch Analyst: Sokra, Angelica

Batch Method: 3546 Batch End Date: 07/21/25 22:00

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	CUPerformed	OP_PCB_ABS_MS 00051	OP_SW_SS 00043	AnalysisComment
MB 410-674180/1		3546, 8082A			30.0 g	10 mL	Y		1 mL	Na2SO4
LCS 410-674180/2		3546, 8082A			30.0 g	10 mL	Y	1 mL	1 mL	Na2SO4
480-231006-C-3 MS	SB1-12'-48"	3546, 8082A		T	30.1 g	10 mL	Y	1 mL	1 mL	Sparkly brown soil with rocks
480-231006-C-3 MSD	SB1-12'-48"	3546, 8082A		T	30.3 g	10 mL	Y	1 mL	1 mL	Sparkly brown soil with rocks
480-231006-C-3	SB1-12'-48"	3546, 8082A	Solid	T	30.1 g	10 mL	Y		1 mL	Sparkly brown soil with rocks
480-231006-C-5	SB1-5'-8'	3546, 8082A	Solid	T	30.1 g	10 mL	Y		1 mL	Sparkly brown soil with rocks
480-231006-C-12	SB2-12"-5'	3546, 8082A	Solid	T	30.2 g	10 mL	Y		1 mL	Sparkly brown soil with rocks
480-231006-C-14	SB2-9'-10'	3546, 8082A	Solid	T	30.2 g	10 mL	Y		1 mL	Sparkly brown soil with rocks

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 674180 Batch Start Date: 07/21/25 17:00 Batch Analyst: Sokra, Angelica

Batch Method: 3546 Batch End Date: 07/21/25 22:00

Batch Notes	
Balance ID	1127431085
Balance is Level? (Y/N)	yes
Microwave Oven ID	DP36_MV1
Pipette/Syringe/Dispenser ID	2
Analyst ID - Extraction	86224 112702 114235
Blank Matrix ID	NaSO4
Analyst ID - Spike Analyst	86224
Prep Solvent ID	1:1 Acetone/Mecl2 114235072125A
Na2SO4 ID	25198A
Analyst ID - Concentration	112702 114235 86224
Equipment ID - Concentration 1	BUCHI
Concentration 1 Corrected Temperature	55 Degrees C
Equipment ID - Concentration 2	BUCHI
Concentration 2 Corrected Temperature	55 Degrees C
Exchange Solvent ID	Hexane: 64082
Vial Lot Number	Clear vials: 23126007
Analyst ID - Clean Up	86224 114235
Florisil ID	26135
Acid used for Clean Up ID	Sulfuric Acid: 245761
Copper ID	03M884
Pipette Tip Lot ID	17494

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8081B

Organochlorine Pesticides (GC) by Method 8081B

FORM II
PESTICIDES SURROGATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCBP1 #	DCBP2 #
SB1-12'-48"	480-231006-3	0 S1-	0 S1-	114	216 S1+
SB1-5'-8'	480-231006-5	0 S1-	0 S1-	153 S1+	272 S1+
SB2-12"-5'	480-231006-12	0 S1-	0 S1-	107	347 S1+
SB2-9'-10'	480-231006-14	80	72	70	93
	MB 480-751725/1-A	70	70	77	83
	LCS 480-751725/2-A	75	74	88	93
SB1-12'-48" MS	480-231006-3 MS	106	102	193 S1+	410 S1+
SB1-12'-48" MSD	480-231006-3 MSD	0 S1-	0 S1-	151 S1+	255 S1+

3,5,12 - run at dil. 20 - surrogates will be diluted out

- check if on-inst concentration for high rec. is w/i cal range
and on-inst low acceptance range is w/i cal for low rec.

Sample -3 and -12: Qual J-/UJ, SR-

Sample -5: Qual J/UJ, SR

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

QC LIMITS
30-124
45-120

Column to be used to flag recovery values

FORM II 8081B

FORM III
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 5_82123.D

Lab ID: LCS 480-751725/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
4,4'-DDD	33.3	27.3	82	56-120	
4,4'-DDE	33.3	24.7	74	44-120	
4,4'-DDT	33.3	27.1	81	38-120	
Aldrin	33.3	21.7	65	38-120	
alpha-BHC	33.3	21.3	64	39-120	
cis-Chlordane	33.3	20.7	62	47-120	
beta-BHC	33.3	24.2	73	40-120	
delta-BHC	33.3	24.7	74	45-120	
Dieldrin	33.3	26.0	78	58-120	
Endosulfan I	33.3	24.2	73	49-120	
Endosulfan II	33.3	25.3	76	55-120	
Endosulfan sulfate	33.3	23.1	69	49-124	
Endrin	33.3	26.8	80	58-120	
Endrin aldehyde	33.3	14.4	43	37-121	
Endrin ketone	33.3	24.5	74	46-123	
gamma-BHC (Lindane)	33.3	24.2	73	50-120	
trans-Chlordane	33.3	24.0	72	48-120	
Heptachlor	33.3	26.2	78	50-120	
Heptachlor epoxide	33.3	26.6	80	50-120	
Methoxychlor	33.3	28.3	85	58-133	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
PESTICIDES MATRIX SPIKE RECOVERY

not validating MS/MSD in this review

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 5_82124.D

Lab ID: 480-231006-3 MS Client ID: SB1-12'-48" MS

DF=20

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
4,4'-DDD	35.3	ND	29.7 J	84	37-126	
4,4'-DDE	35.3	ND	27.7 J	78	34-120	
4,4'-DDT	35.3	32 J	59.3 J	77	43-123	
Aldrin	35.3	ND	ND	0	37-125	F1
alpha-BHC	35.3	ND	30.8 J	87	39-120	
cis-Chlordane	35.3	ND	ND	0	35-120	F1
beta-BHC	35.3	ND	31.5 J	89	36-120	
delta-BHC	35.3	ND	38.8 J	110	34-120	
Dieldrin	35.3	ND	23.9 J	68	45-120	
Endosulfan I	35.3	ND	ND	0	39-120	F1
Endosulfan II	35.3	ND	21.7 J	61	34-126	
Endosulfan sulfate	35.3	ND	22.0 J	62	27-130	
Endrin	35.3	ND	29.4 J	83	47-121	
Endrin aldehyde	35.3	ND	ND	0	33-123	F1
Endrin ketone	35.3	ND	36.1 J	102	43-126	
gamma-BHC (Lindane)	35.3	ND	32.7 J	92	50-120	
trans-Chlordane	35.3	ND	ND	0	31-120	F1
Heptachlor	35.3	ND	30.2 J	85	42-120	
Heptachlor epoxide	35.3	ND	18.0 J	51	40-120	
Methoxychlor	35.3	ND	53.1 J	150	44-150	

col 1

Recovery <10% - on inst detect off cal range - spike <RL - no eval for ND analytes

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
PESTICIDES MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 5_82125.D

Lab ID: 480-231006-3 MSD Client ID: SB1-12'-48" MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
4,4'-DDD	34.5	24.9 J	72	18	21	37-126	
4,4'-DDE	34.5	24.7 J	71	12	18	34-120	
4,4'-DDT	34.5	56.1 J	69	5	25	43-123	
Aldrin	34.5	ND	0	NC	12	37-125	F1
alpha-BHC	34.5	29.1 J	84	6	15	39-120	
cis-Chlordane	34.5	ND	0	NC	23	35-120	F1
beta-BHC	34.5	28.6 J	83	10	19	36-120	
delta-BHC	34.5	33.8 J	98	14	14	34-120	
Dieldrin	34.5	20.4 J	59	16	12	45-120	F2
Endosulfan I	34.5	ND	0	NC	18	39-120	F1
Endosulfan II	34.5	20.0 J	58	8	26	34-126	
Endosulfan sulfate	34.5	19.0 J	55	14	35	27-130	
Endrin	34.5	27.2 J	79	8	20	47-121	
Endrin aldehyde	34.5	ND	0	NC	47	33-123	F1
Endrin ketone	34.5	28.4 J	82	24	37	43-126	
gamma-BHC (Lindane)	34.5	32.1 J	93	2	12	50-120	
trans-Chlordane	34.5	ND	0	NC	15	31-120	F1
Heptachlor	34.5	31.6 J	91	5	22	42-120	
Heptachlor epoxide	34.5	ND	0	NC	15	40-120	F1
Methoxychlor	34.5	49.8 J	144	6	24	44-150	

Recovery <10% - on inst detect off cal range - spike <RL - no eval for ND analytes

rpd high - sample ND - no qual

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM IV
PESTICIDES METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: MB 480-751725/1-A

Matrix: Solid Date Extracted: 07/15/2025 06:52

Lab File ID:(1) 5_82122.D Lab File ID:(2) 5_82122.D

Date Analyzed:(1) 07/18/2025 09:59 Date Analyzed:(2) 07/18/2025 09:59

Instrument ID:(1) HP6890-5 Instrument ID:(2) HP6890-5

GC Column:(1) RTX-CLPI ID: 0.53(mm) GC Column:(2) RTX-CLPII ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-751725/2-A	07/18/2025 10:18	07/18/2025 10:18
SB1-12'-48" MS	480-231006-3 MS	07/18/2025 10:38	07/18/2025 10:38
SB1-12'-48" MSD	480-231006-3 MSD	07/18/2025 10:57	07/18/2025 10:57
SB1-12'-48"	480-231006-3	07/18/2025 11:17	07/18/2025 11:17
SB1-5'-8'	480-231006-5	07/18/2025 13:14	07/18/2025 13:14
SB2-12"-5'	480-231006-12	07/18/2025 13:33	07/18/2025 13:33
SB2-9'-10'	480-231006-14	07/18/2025 13:53	07/18/2025 13:53

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Sample No.: STD3 480-751896/4 Date Analyzed: 07/16/2025 10:57

Instrument ID: HP6890-5 GC Column: RTX-CLPI ID: 0.53(mm)

Lab File ID (Standard): 5_82048.D Heated Purge: (Y/N) N

Calibration ID: 48563

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		14364788	2.00				
UPPER LIMIT		28729576	2.50				
LOWER LIMIT		7182394	1.50				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-751896/7		14151416	2.00				
CCVIS 480-752073/6		15267316	2.00				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Sample No.: STD3 480-751896/4 Date Analyzed: 07/16/2025 10:57

Instrument ID: HP6890-5 GC Column: RTX-CLPII ID: 0.53(mm)

Lab File ID (Standard): 5_82048.D Heated Purge: (Y/N) N

Calibration ID: 48564

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		52242223	2.08				
UPPER LIMIT		104484446	2.58				
LOWER LIMIT		26121112	1.58				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-751896/7		51273494	2.08				
CCVIS 480-752073/6		53746792	2.07				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Sample No.: CCVIS 480-752073/6 Date Analyzed: 07/18/2025 08:40

Instrument ID: HP6890-5 GC Column: RTX-CLPI ID: 0.53(mm)

Lab File ID (Standard): 5_82118.D Heated Purge: (Y/N) N

Calibration ID: 48563

		BNB					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		15267316	2.00				
UPPER LIMIT		30534632	2.50				
LOWER LIMIT		7633658	1.50				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-752073/8		15299299	2.00				
MB 480-751725/1-A		15877277	2.00				
LCS 480-751725/2-A		15326514	2.00				
480-231006-3 MS	SB1-12'-48" MS	14579803	1.99				
480-231006-3 MSD	SB1-12'-48" MSD	14838151	2.00				
480-231006-3	SB1-12'-48"	15243484	2.00				
480-231006-5	SB1-5'-8'	14489976	2.00				
480-231006-12	SB2-12"-5'	14681238	2.00				
480-231006-14	SB2-9'-10'	14712551	2.00				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Sample No.: CCVIS 480-752073/6 Date Analyzed: 07/18/2025 08:40

Instrument ID: HP6890-5 GC Column: RTX-CLPII ID: 0.53(mm)

Lab File ID (Standard): 5_82118.D Heated Purge: (Y/N) N

Calibration ID: 48564

		BNB					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		53746792	2.07				
UPPER LIMIT		107493584	2.57				
LOWER LIMIT		26873396	1.57				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-752073/8		54451815	2.07				
MB 480-751725/1-A		57316664	2.07				
LCS 480-751725/2-A		54309459	2.07				
480-231006-3 MS	SB1-12'-48" MS	52338040	2.06				
480-231006-3 MSD	SB1-12'-48" MSD	53537217	2.07				
480-231006-3	SB1-12'-48"	54918949	2.07				
480-231006-5	SB1-5'-8'	52166610	2.07				
480-231006-12	SB2-12"-5'	53842400	2.07				
480-231006-14	SB2-9'-10'	52129556	2.07				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48" Lab Sample ID: 480-231006-3

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 07/18/2025 11:17 Date Analyzed (2): 07/18/2025 11:17

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

RPD<40

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDT	1		5.76	5.72	5.78	• 32		•34.3
	2		6.49	6.45	6.51	• 23		

FORM X
IDENTIFICATION SUMMARY

not validating MS/MSD samples in this review

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48" MS Lab Sample ID: 480-231006-3 MS

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 07/18/2025 10:38 Date Analyzed (2): 07/18/2025 10:38

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.94	2.92	2.98	30.8		22.9
	2		3.28	3.25	3.31	24.4		
gamma-BHC (Lindane)	1		3.20	3.18	3.24	32.7		8.3
	2		3.61	3.58	3.64	30.1		
beta-BHC	1		3.27	3.25	3.31	31.5		52.1
	2		3.68	3.65	3.71	18.5		
delta-BHC	1		3.43	3.40	3.46	38.8		49.8
	2		3.98	3.95	4.01	23.3		
Heptachlor	1		3.62	3.60	3.66	30.2		48.9
	2		4.07	4.04	4.10	18.3		
Heptachlor epoxide	1		4.50	4.48	4.54	18.0		17.4
	2		5.02	4.99	5.05	21.5		
4,4'-DDE	1		4.85	4.82	4.88	27.7		14.5
	2		5.55	5.52	5.58	24.0		
Dieldrin	1		5.15	5.12	5.18	23.9		0.2
	2		5.73	5.70	5.76	23.9		
Endrin	1		5.39	5.36	5.42	29.4		60.8
	2		6.05	6.02	6.08	15.7		
4,4'-DDD	1		5.46	5.44	5.50	29.7		6.9
	2		6.15	6.12	6.18	31.9		
Endosulfan II	1		5.62	5.59	5.65	21.7		20.3
	2		6.27	6.24	6.30	26.6		
4,4'-DDT	1		5.75	5.72	5.78	59.3		21.5
	2		6.48	6.45	6.51	47.7		
Methoxychlor	1		6.25	6.23	6.29	53.1		4.2
	2		7.17	7.15	7.21	50.9		
Endosulfan sulfate	1		6.49	6.46	6.52	22.0		48.4
	2		6.90	6.87	6.93	36.0		
Endrin ketone	1		6.78	6.75	6.81	36.1		20.1
	2		7.45	7.42	7.48	44.2		

FORM X
IDENTIFICATION SUMMARY

not validating MS/MSD samples in this review

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48" MSD Lab Sample ID: 480-231006-3 MSD

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 07/18/2025 10:57 Date Analyzed (2): 07/18/2025 10:57

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.95	2.92	2.98	29.1		26.7
	2		3.28	3.25	3.31	22.2		
gamma-BHC (Lindane)	1		3.21	3.18	3.24	32.1		23.2
	2		3.61	3.58	3.64	25.4		
beta-BHC	1		3.28	3.25	3.31	28.6		67.9
	2		3.69	3.65	3.71	14.1		
delta-BHC	1		3.43	3.40	3.46	33.8		45.1
	2		3.99	3.95	4.01	21.4		
Heptachlor	1		3.63	3.60	3.66	31.6		62.8
	2		4.07	4.04	4.10	16.5		
4,4'-DDE	1		4.85	4.82	4.88	24.7		7.8
	2		5.55	5.52	5.58	22.8		
Dieldrin	1		5.15	5.12	5.18	20.4		15.3
	2		5.73	5.70	5.76	23.7		
Endrin	1		5.39	5.36	5.42	27.2		58.9
	2		6.05	6.02	6.08	14.8		
4,4'-DDD	1		5.46	5.44	5.50	24.9		12.2
	2		6.15	6.12	6.18	28.2		
Endosulfan II	1		5.62	5.59	5.65	20.0		31.2
	2		6.27	6.24	6.30	27.4		
4,4'-DDT	1		5.75	5.72	5.78	56.1		20.3
	2		6.48	6.45	6.51	45.7		
Methoxychlor	1		6.26	6.23	6.29	49.8		25.9
	2		7.17	7.15	7.21	64.7		
Endosulfan sulfate	1		6.50	6.46	6.52	19.0		48.1
	2		6.90	6.87	6.93	31.1		
Endrin ketone	1		6.78	6.75	6.81	28.4		44.8
	2		7.45	7.42	7.48	44.8		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-5'-8' Lab Sample ID: 480-231006-5

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 07/18/2025 13:14 Date Analyzed (2): 07/18/2025 13:14

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDT	1		5.75	5.72	5.78	31		38.8
	2		6.49	6.45	6.51	21		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-12"-5' Lab Sample ID: 480-231006-12

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 07/18/2025 13:33 Date Analyzed (2): 07/18/2025 13:33

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDT	1		5.76	5.72	5.78	40		43.4
	2		6.49	6.45	6.51	25		
Methoxychlor	1		6.29	6.23	6.29	26		95.1
	2		7.17	7.15	7.21	72		

RPD>40%
BUT Samples are both <5xQL, therefore eval using the difference < 2xQL

4,4'-DDT QL=73
diff = 15 <2x QL, no qual

methoxychlor QL= 73
diff = 46 <2x QL, no qual

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-9'-10' Lab Sample ID: 480-231006-14

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 07/18/2025 13:53 Date Analyzed (2): 07/18/2025 13:53

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDT	1		5.75	5.72	5.78	1.4		14.3
	2		6.51	6.45	6.51	1.6		
Methoxychlor	1		6.27	6.23	6.29	1.2		25.1
	2		7.21	7.15	7.21	0.95		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-751725/1-A

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 07/18/2025 09:59 Date Analyzed (2): 07/18/2025 09:59

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
beta-BHC	1		3.31	3.25	3.31	0.978		36.0
	2		3.67	3.65	3.71	0.680		

detect in MB - Samples ND - no qual

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-751725/2-A

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 07/18/2025 10:18 Date Analyzed (2): 07/18/2025 10:18

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.95	2.92	2.98	21.3		8.9
	2		3.28	3.25	3.31	23.3		
gamma-BHC (Lindane)	1		3.21	3.18	3.24	24.2		1.6
	2		3.61	3.58	3.64	24.6		
beta-BHC	1		3.28	3.25	3.31	24.2		2.8
	2		3.68	3.65	3.71	24.9		
delta-BHC	1		3.43	3.40	3.46	24.7		12.7
	2		3.98	3.95	4.01	21.7		
Heptachlor	1		3.63	3.60	3.66	26.2		4.2
	2		4.07	4.04	4.10	25.1		
Aldrin	1		3.91	3.88	3.94	21.7		10.6
	2		4.41	4.39	4.45	24.1		
Heptachlor epoxide	1		4.51	4.48	4.54	26.6		23.6
	2		5.02	4.99	5.05	21.0		
trans-Chlordane	1		4.63	4.60	4.66	24.0		3.7
	2		5.22	5.19	5.25	24.9		
cis-Chlordane	1		4.77	4.74	4.80	20.7		18.6
	2		5.37	5.35	5.41	25.0		
4,4'-DDE	1		4.85	4.82	4.88	24.7		5.4
	2		5.54	5.52	5.58	26.1		
Endosulfan I	1		4.91	4.88	4.94	24.2		16.1
	2		5.44	5.41	5.47	20.6		
Dieldrin	1		5.15	5.12	5.18	26.0		0.3
	2		5.73	5.70	5.76	26.0		
Endrin	1		5.39	5.36	5.42	26.8		6.6
	2		6.05	6.02	6.08	25.1		
4,4'-DDD	1		5.46	5.44	5.50	27.3		1.5
	2		6.15	6.12	6.18	26.9		
Endosulfan II	1		5.62	5.59	5.65	25.3		0.9
	2		6.26	6.24	6.30	25.6		
4,4'-DDT	1		5.75	5.72	5.78	27.1		3.6
	2		6.48	6.45	6.51	26.1		
Endrin aldehyde	1		6.05	6.02	6.08	14.4		21.3
	2		6.61	6.58	6.64	17.8		
Methoxychlor	1		6.26	6.23	6.29	28.3		8.8
	2		7.17	7.15	7.21	25.9		
Endosulfan sulfate	1		6.49	6.46	6.52	23.1		1.2
	2		6.90	6.87	6.93	22.8		
Endrin ketone	1		6.78	6.75	6.81	24.5		4.7
	2		7.45	7.42	7.48	23.4		



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48" | Lab Sample ID: 480-231006-3

Matrix: Solid | Lab File ID: 5_82126.D

Analysis Method: 8081B | Date Collected: 07/09/2025 12:00

Extraction Method: 3546 | Date Extracted: 07/15/2025 06:52

Sample wt/vol: 15.89(g) | Date Analyzed: 07/18/2025 11:17

Con. Extract Vol.: 10(mL) | Dilution Factor: 20

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.53(mm)

% Moisture: 6.0 % Solids: 94.0 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752073 | Units: ug/Kg

Preparation Batch No.: 751725 | Instrument ID: HP6890-5

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	ND		67	13
72-55-9	4,4'-DDE	ND		67	14
50-29-3	4,4'-DDT	32	J	67	16
309-00-2	Aldrin	ND	F1	67	16
319-84-6	alpha-BHC	ND		67	12
5103-71-9	cis-Chlordane	ND	F1	67	33
319-85-7	beta-BHC	ND		67	12
319-86-8	delta-BHC	ND		67	12
60-57-1	Dieldrin	ND	F2	67	16
959-98-8	Endosulfan I	ND	F1	67	13
33213-65-9	Endosulfan II	ND		67	12
1031-07-8	Endosulfan sulfate	ND		67	12
72-20-8	Endrin	ND		67	13
7421-93-4	Endrin aldehyde	ND	F1	67	17
53494-70-5	Endrin ketone	ND		67	16
58-89-9	gamma-BHC (Lindane)	ND		67	12
5103-74-2	trans-Chlordane	ND	F1	67	21
76-44-8	Heptachlor	ND		67	14
1024-57-3	Heptachlor epoxide	ND	F1	67	17
72-43-5	Methoxychlor	ND		67	14
8001-35-2	Toxaphene	ND		670	390

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	114		45-120
877-09-8	Tetrachloro-m-xylene	0	S1-	30-124

30% of amount added is acceptance range
0.006 / DF 20 = 0.0003

LVL1 ICAL 0.005 - low end of acceptance range is not in cal range, no qual

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48" | Lab Sample ID: 480-231006-3

Matrix: Solid | Lab File ID: 5_82126.D

Analysis Method: 8081B | Date Collected: 07/09/2025 12:00

Extraction Method: 3546 | Date Extracted: 07/15/2025 06:52

Sample wt/vol: 15.89(g) | Date Analyzed: 07/18/2025 11:17

Con. Extract Vol.: 10(mL) | Dilution Factor: 20

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: 6.0 % Solids: 94.0 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752073 | Units: ug/Kg

Preparation Batch No.: 751725 | Instrument ID: HP6890-5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	216	*S1+*	45-120
877-09-8	Tetrachloro-m-xylene	0	*S1-*	30-124

results reported from col 1

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-5'-8' | Lab Sample ID: 480-231006-5

Matrix: Solid | Lab File ID: 5_82132.D

Analysis Method: 8081B | Date Collected: 07/09/2025 12:45

Extraction Method: 3546 | Date Extracted: 07/15/2025 06:52

Sample wt/vol: 15.49(g) | Date Analyzed: 07/18/2025 13:14

Con. Extract Vol.: 10(mL) | Dilution Factor: 20

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.53(mm)

% Moisture: 4.0 % Solids: 96.0 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752073 | Units: ug/Kg

Preparation Batch No.: 751725 | Instrument ID: HP6890-5

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	ND		67	13
72-55-9	4,4'-DDE	ND		67	14
50-29-3	4,4'-DDT	31	J	67	16
309-00-2	Aldrin	ND		67	17
319-84-6	alpha-BHC	ND		67	12
5103-71-9	cis-Chlordane	ND		67	33
319-85-7	beta-BHC	ND		67	12
319-86-8	delta-BHC	ND		67	13
60-57-1	Dieldrin	ND		67	16
959-98-8	Endosulfan I	ND		67	13
33213-65-9	Endosulfan II	ND		67	12
1031-07-8	Endosulfan sulfate	ND		67	13
72-20-8	Endrin	ND		67	13
7421-93-4	Endrin aldehyde	ND		67	17
53494-70-5	Endrin ketone	ND		67	17
58-89-9	gamma-BHC (Lindane)	ND		67	12
5103-74-2	trans-Chlordane	ND		67	21
76-44-8	Heptachlor	ND		67	15
1024-57-3	Heptachlor epoxide	ND		67	17
72-43-5	Methoxychlor	ND		67	14
8001-35-2	Toxaphene	ND		670	390

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	153	S1+	45-120
877-09-8	Tetrachloro-m-xylene	0	S1-	30-124

DCB surr:
UAL J+:SR+

TCX surr:
30% of amount added is acceptance range
0.006 / DF 20 = 0.0003

LVL1 ICAL 0.005 - low end of acceptance range is not in cal range, no qual

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-5'-8' | Lab Sample ID: 480-231006-5

Matrix: Solid | Lab File ID: 5_82132.D

Analysis Method: 8081B | Date Collected: 07/09/2025 12:45

Extraction Method: 3546 | Date Extracted: 07/15/2025 06:52

Sample wt/vol: 15.49(g) | Date Analyzed: 07/18/2025 13:14

Con. Extract Vol.: 10(mL) | Dilution Factor: 20

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: 4.0 % Solids: 96.0 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752073 | Units: ug/Kg

Preparation Batch No.: 751725 | Instrument ID: HP6890-5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	272	*S1+*	45-120
877-09-8	Tetrachloro-m-xylene	0	*S1-*	30-124

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-12"-5' | Lab Sample ID: 480-231006-12

Matrix: Solid | Lab File ID: 5_82133.D

Analysis Method: 8081B | Date Collected: 07/09/2025 13:30

Extraction Method: 3546 | Date Extracted: 07/15/2025 06:52

Sample wt/vol: 15.28(g) | Date Analyzed: 07/18/2025 13:33

Con. Extract Vol.: 10(mL) | Dilution Factor: 20

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.53(mm)

% Moisture: 10.3 % Solids: 89.7 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752073 | Units: ug/Kg

Preparation Batch No.: 751725 | Instrument ID: HP6890-5

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	ND		73	14
72-55-9	4,4'-DDE	ND		73	15
50-29-3	4,4'-DDT	40	J	73	17
309-00-2	Aldrin	ND		73	18
319-84-6	alpha-BHC	ND		73	13
5103-71-9	cis-Chlordane	ND		73	36
319-85-7	beta-BHC	ND		73	13
319-86-8	delta-BHC	ND		73	14
60-57-1	Dieldrin	ND		73	18
959-98-8	Endosulfan I	ND		73	14
33213-65-9	Endosulfan II	ND		73	13
1031-07-8	Endosulfan sulfate	ND		73	14
72-20-8	Endrin	ND		73	14
7421-93-4	Endrin aldehyde	ND		73	19
53494-70-5	Endrin ketone	ND		73	18
58-89-9	gamma-BHC (Lindane)	ND		73	13
5103-74-2	trans-Chlordane	ND		73	23
76-44-8	Heptachlor	ND		73	16
1024-57-3	Heptachlor epoxide	ND		73	19
72-43-5	Methoxychlor	26	J	73	15
8001-35-2	Toxaphene	ND		730	420

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	107		45-120
877-09-8	Tetrachloro-m-xylene	0	S1-	30-124

TCX surr:
30% of amount added is acceptance range
0.006 / DF 20 = 0.0003

LVL1 ICAL 0.005 - low end of acceptance range is not in cal range, no qual

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-12"-5' | Lab Sample ID: 480-231006-12

Matrix: Solid | Lab File ID: 5_82133.D

Analysis Method: 8081B | Date Collected: 07/09/2025 13:30

Extraction Method: 3546 | Date Extracted: 07/15/2025 06:52

Sample wt/vol: 15.28(g) | Date Analyzed: 07/18/2025 13:33

Con. Extract Vol.: 10(mL) | Dilution Factor: 20

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: 10.3 % Solids: 89.7 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752073 | Units: ug/Kg

Preparation Batch No.: 751725 | Instrument ID: HP6890-5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	347	*S1+*	45-120
877-09-8	Tetrachloro-m-xylene	0	*S1-*	30-124

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-9'-10' | Lab Sample ID: 480-231006-14

Matrix: Solid | Lab File ID: 5_82134.D

Analysis Method: 8081B | Date Collected: 07/09/2025 14:00

Extraction Method: 3546 | Date Extracted: 07/15/2025 06:52

Sample wt/vol: 15.64(g) | Date Analyzed: 07/18/2025 13:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.53(mm)

% Moisture: 9.1 % Solids: 90.9 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752073 | Units: ug/Kg

Preparation Batch No.: 751725 | Instrument ID: HP6890-5

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	ND		3.5	0.68
72-55-9	4,4'-DDE	ND		3.5	0.74
50-29-3	4,4'-DDT	1.4	J	3.5	0.82
309-00-2	Aldrin	ND		3.5	0.87
319-84-6	alpha-BHC	ND		3.5	0.63
5103-71-9	cis-Chlordane	ND		3.5	1.8
319-85-7	beta-BHC	ND		3.5	0.63
319-86-8	delta-BHC	ND		3.5	0.65
60-57-1	Dieldrin	ND		3.5	0.84
959-98-8	Endosulfan I	ND		3.5	0.68
33213-65-9	Endosulfan II	ND		3.5	0.63
1031-07-8	Endosulfan sulfate	ND		3.5	0.66
72-20-8	Endrin	ND		3.5	0.70
7421-93-4	Endrin aldehyde	ND		3.5	0.90
53494-70-5	Endrin ketone	ND		3.5	0.87
58-89-9	gamma-BHC (Lindane)	ND		3.5	0.65
5103-74-2	trans-Chlordane	ND		3.5	1.1
76-44-8	Heptachlor	ND		3.5	0.76
1024-57-3	Heptachlor epoxide	ND		3.5	0.91
72-43-5	Methoxychlor	1.2	J	3.5	0.72
8001-35-2	Toxaphene	ND		35	20

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	70		45-120
877-09-8	Tetrachloro-m-xylene	80		30-124

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-9'-10' | Lab Sample ID: 480-231006-14

Matrix: Solid | Lab File ID: 5_82134.D

Analysis Method: 8081B | Date Collected: 07/09/2025 14:00

Extraction Method: 3546 | Date Extracted: 07/15/2025 06:52

Sample wt/vol: 15.64(g) | Date Analyzed: 07/18/2025 13:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: 9.1 % Solids: 90.9 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752073 | Units: ug/Kg

Preparation Batch No.: 751725 | Instrument ID: HP6890-5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	93		45-120
877-09-8	Tetrachloro-m-xylene	72		30-124

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 751794

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 15:10 Calibration End Date: 07/15/2025 16:28 Calibration ID: 48555

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 480-751794/18	5_82030.D
Level 2	STD4 480-751794/17	5_82029.D
Level 3	STD3 480-751794/16	5_82028.D
Level 4	STD2 480-751794/15	5_82027.D
Level 5	STD1 480-751794/14	5_82026.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Toxaphene Peak 1	0.0630	0.0847	0.0915	0.0980	0.1046	Lin1	-0.002	0.1024							0.9980		0.9900
Toxaphene Peak 2	0.0865	0.1151	0.1259	0.1373	0.1437	Lin1	-0.003	0.1417							0.9980		0.9900
Toxaphene Peak 3	0.0448	0.0562	0.0631	0.0692	0.0741	Lin1	-0.002	0.0724							0.9970		0.9900
Toxaphene Peak 4	0.0382	0.0515	0.0572	0.0633	0.0679	Lin1	-0.002	0.0662							0.9970		0.9900
Toxaphene Peak 5	0.0434	0.0526	0.0614	0.0673	0.0730	Lin1	-0.002	0.0709							0.9970		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 751794

SDG No.:

Instrument ID: HP6890-5 | GC Column: RTX-CLPI | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 15:10 | Calibration End Date: 07/15/2025 16:28 | Calibration ID: 48555

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 480-751794/18	5_82030.D
Level 2	STD4 480-751794/17	5_82029.D
Level 3	STD3 480-751794/16	5_82028.D
Level 4	STD2 480-751794/15	5_82027.D
Level 5	STD1 480-751794/14	5_82026.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	BNB	Lin1	82799	230841	1295925	2631493	4039142	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 2	BNB	Lin1	113713	313681	1781996	3686985	5550404	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 3	BNB	Lin1	58928	153344	893160	1859348	2863773	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 4	BNB	Lin1	50166	140311	810136	1699233	2621592	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 5	BNB	Lin1	57079	143473	869392	1807455	2819789	0.0500	0.100	0.500	1.00	1.50

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 751794

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 15:10 Calibration End Date: 07/15/2025 16:28 Calibration ID: 48556

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 480-751794/18	5_82030.D
Level 2	STD4 480-751794/17	5_82029.D
Level 3	STD3 480-751794/16	5_82028.D
Level 4	STD2 480-751794/15	5_82027.D
Level 5	STD1 480-751794/14	5_82026.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Toxaphene Peak 1	0.0230	0.0317	0.0309	0.0324	0.0323	Lin1	0	0.0325							0.9990		0.9900
Toxaphene Peak 2	0.0327	0.0383	0.0384	0.0411	0.0434	Lin1	-0.001	0.0424							0.9980		0.9900
Toxaphene Peak 3	0.0540	0.0647	0.0671	0.0729	0.0767	Lin1	-0.001	0.0751							0.9980		0.9900
Toxaphene Peak 4	0.0322	0.0376	0.0388	0.0428	0.0459	Lin1	-0.001	0.0445							0.9970		0.9900
Toxaphene Peak 5	0.0320	0.0283	0.0311	0.0335	0.0366	Lin1	0	0.0351							0.9960		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 751794

SDG No.:

Instrument ID: HP6890-5 | GC Column: RTX-CLPII | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2025 15:10 | Calibration End Date: 07/15/2025 16:28 | Calibration ID: 48556

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 480-751794/18	5_82030.D
Level 2	STD4 480-751794/17	5_82029.D
Level 3	STD3 480-751794/16	5_82028.D
Level 4	STD2 480-751794/15	5_82027.D
Level 5	STD1 480-751794/14	5_82026.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	BNB	Lin1	110591	320476	1619539	3229399	4695484	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 2	BNB	Lin1	157289	387525	2015794	4094132	6308646	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 3	BNB	Lin1	260016	654259	3522513	7264582	11143344	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 4	BNB	Lin1	155260	380418	2038262	4271858	6668921	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 5	BNB	Lin1	154195	286393	1629396	3343900	5319779	0.0500	0.100	0.500	1.00	1.50

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 751896

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/16/2025 09:58 Calibration End Date: 07/16/2025 11:36 Calibration ID: 48563

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 480-751896/6	5_82050.D
Level 2	STD4 480-751896/5	5_82049.D
Level 3	STD3 480-751896/4	5_82048.D
Level 4	STD6 480-751896/3	5_82047.D
Level 5	STD2 480-751896/2	5_82046.D
Level 6	STD1 480-751896/1	5_82045.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
alpha-BHC	2.1627 2.4619	2.2683	2.5242	2.4342	2.4356	Lin1	-0.002	2.4733							1.0000		0.9900
gamma-BHC (Lindane)	1.8192 2.1383	1.8948	2.1202	2.0581	2.0538	Lin1	-0.002	2.1152							1.0000		0.9900
beta-BHC	0.7137 0.8487	0.7307	0.8256	0.8024	0.8032	Lin1	-0.001	0.8322							0.9990		0.9900
delta-BHC	1.8322 2.2545	1.8551	2.2681	2.1884	2.1876	Lin1	-0.003	2.2512							0.9990		0.9900
Heptachlor	2.1865 2.2129	2.2115	2.3259	2.1903	2.1529	Lin1	0.0001	2.2051							0.9990		0.9900
Aldrin	2.2169 2.1479	2.2399	2.3828	2.2630	2.2246	Lin1	0.0005	2.2149							0.9980		0.9900
Heptachlor epoxide	2.1136 1.8558	2.0112	1.9862	1.8644	1.8261	Lin1	0.0016	1.8491							0.9990		0.9900
trans-Chlordane	2.1409 2.0544	2.0872	2.1837	2.0890	2.0577	Lin1	0.0005	2.0727							0.9990		0.9900
cis-Chlordane	2.1108 2.0145	2.0540	2.0918	2.0149	1.9967	Lin1	0.0006	2.0132							1.0000		0.9900
4,4'-DDE	1.8079 1.9532	1.8106	1.9296	1.8544	1.8497	Lin1	-0.001	1.9104							0.9990		0.9900
Endosulfan I	2.0045 1.7955	1.9907	1.9668	1.8428	1.8070	Lin1	0.0015	1.8142							0.9990		0.9900
Dieldrin	2.0705 2.0179	2.0829	2.1703	2.0433	2.0068	Lin1	0.0005	2.0334							0.9990		0.9900
Endrin	1.9590 1.8762	1.9446	2.0190	1.8989	1.8565	Lin1	0.0007	1.8862							0.9990		0.9900
4,4'-DDD	1.4577 1.5998	1.4298	1.6273	1.5737	1.5704	Lin1	-0.001	1.5994							1.0000		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 751896

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/16/2025 09:58 Calibration End Date: 07/16/2025 11:36 Calibration ID: 48563

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Endosulfan II	1.7204 1.6463	1.6310	1.7230	1.6094	1.5849	Lin1	0.0004	1.6272							0.9990		0.9900
4,4'-DDT	1.1779 1.7221	1.3061	1.6462	1.6401	1.6519	Lin1	-0.003	1.7100							0.9990		0.9900
Endrin aldehyde	1.4758 1.2801	1.3640	1.3567	1.2745	1.2601	Lin1	0.0011	1.2716							0.9990		0.9900
Methoxychlor	0.5470 0.7670	0.5884	0.6996	0.6936	0.6950	Lin1	-0.001	0.7375							0.9970		0.9900
Endosulfan sulfate	1.3460 1.4727	1.4063	1.4932	1.4121	1.4021	Lin1	0	1.4495							0.9990		0.9900
Endrin ketone	1.7884 1.8261	1.7808	1.9032	1.7898	1.7659	Lin1	0	1.8130							0.9990		0.9900
Tetrachloro-m-xylene	1.1318 1.1537	1.1078	1.1994	1.1712	1.1565	Lin1	0	1.1653							1.0000		0.9900
DCB Decachlorobiphenyl	1.5105 1.5181	1.4393	1.4880	1.4370	1.4379	Lin1	0	1.4775							0.9990		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 751896

SDG No.:

Instrument ID: HP6890-5 | GC Column: RTX-CLPI | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/16/2025 09:58 | Calibration End Date: 07/16/2025 11:36 | Calibration ID: 48563

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 480-751896/6	5_82050.D
Level 2	STD4 480-751896/5	5_82049.D
Level 3	STD3 480-751896/4	5_82048.D
Level 4	STD6 480-751896/3	5_82047.D
Level 5	STD2 480-751896/2	5_82046.D
Level 6	STD1 480-751896/1	5_82045.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	BNB	Lin1	301260 10635335	699590	3593577	5764356	7301537	0.00500 0.150	0.0100	0.0500	0.0750	0.100
gamma-BHC (Lindane)	BNB	Lin1	253407 9237365	584389	3018490	4873614	6157152	0.00500 0.150	0.0100	0.0500	0.0750	0.100
beta-BHC	BNB	Lin1	99414 3666235	225351	1175309	1900047	2407832	0.00500 0.150	0.0100	0.0500	0.0750	0.100
delta-BHC	BNB	Lin1	255218 9739301	572142	3229063	5182237	6558186	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Heptachlor	BNB	Lin1	304575 9559759	682069	3311244	5186717	6454010	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Aldrin	BNB	Lin1	308801 9278993	690821	3392248	5359041	6669043	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Heptachlor epoxide	BNB	Lin1	294410 8017175	620300	2827647	4415025	5474394	0.00500 0.150	0.0100	0.0500	0.0750	0.100
trans-Chlordane	BNB	Lin1	298213 8875121	643720	3108885	4946978	6168802	0.00500 0.150	0.0100	0.0500	0.0750	0.100
cis-Chlordane	BNB	Lin1	294018 8702365	633491	2978041	4771426	5985845	0.00500 0.150	0.0100	0.0500	0.0750	0.100
4,4'-DDE	BNB	Lin1	251829 8437962	558411	2747060	4391295	5545322	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Endosulfan I	BNB	Lin1	279216 7756337	613980	2799998	4363789	5417218	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Dieldrin	BNB	Lin1	288411 8717282	642394	3089754	4838605	6016304	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Endrin	BNB	Lin1	272873 8105264	599738	2874373	4496652	5565534	0.00500 0.150	0.0100	0.0500	0.0750	0.100
4,4'-DDD	BNB	Lin1	203049 6910876	440974	2316795	3726592	4708006	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Endosulfan II	BNB	Lin1	239641 7111879	503017	2452920	3811229	4751436	0.00500 0.150	0.0100	0.0500	0.0750	0.100
4,4'-DDT	BNB	Lin1	164071 7439619	402812	2343598	3883874	4952080	0.00500 0.150	0.0100	0.0500	0.0750	0.100

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 751896

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/16/2025 09:58 Calibration End Date: 07/16/2025 11:36 Calibration ID: 48563

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	BNB	Lin1	205575 5529799	420674	1931528	3018197	3777638	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Methoxychlor	BNB	Lin1	76197 3313374	181485	995971	1642422	2083528	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Endosulfan sulfate	BNB	Lin1	187486 6362159	433728	2125840	3343875	4203194	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Endrin ketone	BNB	Lin1	249121 7888856	549223	2709491	4238272	5293982	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Tetrachloro-m-xylene	BNB	Lin1	158596 5013757	343713	1717841	2790020	3487917	0.00503 0.151	0.0101	0.0503	0.0755	0.101
DCB Decachlorobiphenyl	BNB	Lin1	211456 6590918	446115	2128954	3420007	4332201	0.00503 0.151	0.0101	0.0503	0.0754	0.101

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 751896

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/16/2025 09:58 Calibration End Date: 07/16/2025 11:36 Calibration ID: 48564

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 480-751896/6	5_82050.D
Level 2	STD4 480-751896/5	5_82049.D
Level 3	STD3 480-751896/4	5_82048.D
Level 4	STD6 480-751896/3	5_82047.D
Level 5	STD2 480-751896/2	5_82046.D
Level 6	STD1 480-751896/1	5_82045.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
alpha-BHC	1.8009 1.8308	1.8091	1.9691	1.9071	1.8598	Lin1	0	1.8722							0.9990		0.9900
gamma-BHC (Lindane)	1.6089 1.6473	1.6208	1.7731	1.7149	1.6711	Lin1	0	1.6845							0.9990		0.9900
beta-BHC	0.6524 0.6161	0.6336	0.6678	0.6422	0.6253	Lin1	0.0002	0.6280							0.9990		0.9900
delta-BHC	1.6339 1.6465	1.6113	1.7317	1.6823	1.6372	Lin1	0	1.6622							0.9990		0.9900
Heptachlor	1.4957 1.4935	1.4916	1.5761	1.5086	1.4531	Lin1	0.0002	1.4943							0.9990		0.9900
Aldrin	1.7073 1.3854	1.5134	1.4685	1.4057	1.3552	Lin1	0.0017	1.3735							0.9990		0.9900
Heptachlor epoxide	1.3181 1.2660	1.2903	1.3415	1.2766	1.2333	Lin1	0.0004	1.2645							0.9990		0.9900
trans-Chlordane	1.4683 1.4141	1.3852	1.4504	1.4051	1.3690	Lin1	0.0002	1.4018							1.0000		0.9900
cis-Chlordane	1.4082 1.3778	1.3502	1.4051	1.3589	1.3276	Lin1	0.0002	1.3620							1.0000		0.9900
Endosulfan I	1.2267 1.1196	1.1827	1.2162	1.1614	1.1171	Lin1	0.0007	1.1322							0.9990		0.9900
4,4'-DDE	1.2770 1.3579	1.2912	1.4072	1.3637	1.3306	Lin1	0	1.3619							1.0000		0.9900
Dieldrin	1.3511 1.3541	1.3504	1.4268	1.3693	1.3258	Lin1	0.0001	1.3575							0.9990		0.9900
Endrin	1.1982 1.2281	1.1967	1.2705	1.2262	1.1856	Lin1	0	1.2223							0.9990		0.9900
4,4'-DDD	1.0477 1.0958	1.0426	1.1079	1.0758	1.0535	Lin1	0	1.0843							1.0000		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 751896

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/16/2025 09:58 Calibration End Date: 07/16/2025 11:36 Calibration ID: 48564

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Endosulfan II	1.1151 1.1217	1.1030	1.1393	1.0988	1.0702	Lin1	0.0001	1.1050							0.9990		0.9900
4,4'-DDT	0.8358 1.1113	0.8844	1.0571	1.0589	1.0498	Lin1	-0.0002	1.0941							0.9990		0.9900
Endrin aldehyde	0.8500 0.7977	0.8069	0.8210	0.7877	0.7627	Lin1	0.0003	0.7858							0.9990		0.9900
Endosulfan sulfate	0.8375 0.9428	0.8484	0.9337	0.9063	0.8918	Lin1	-0.0001	0.9265							0.9990		0.9900
Methoxychlor	0.3720 0.4842	0.3976	0.4528	0.4514	0.4449	Lin1	-0.0001	0.4696							0.9980		0.9900
Endrin ketone	1.0743 1.1296	1.0652	1.1364	1.1034	1.0773	Lin1	0	1.1139							0.9990		0.9900
Tetrachloro-m-xylene	1.1092 1.0693	1.0809	1.1435	1.0996	1.0674	Lin1	0.0002	1.0813							0.9990		0.9900
DCB Decachlorobiphenyl	0.7829 0.7913	0.7507	0.7788	0.7603	0.7486	Lin1	0	0.7727							0.9990		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1 | Analy Batch No.: 751896

SDG No.:

Instrument ID: HP6890-5 | GC Column: RTX-CLPII | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/16/2025 09:58 | Calibration End Date: 07/16/2025 11:36 | Calibration ID: 48564

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 480-751896/6	5_82050.D
Level 2	STD4 480-751896/5	5_82049.D
Level 3	STD3 480-751896/4	5_82048.D
Level 4	STD6 480-751896/3	5_82047.D
Level 5	STD2 480-751896/2	5_82046.D
Level 6	STD1 480-751896/1	5_82045.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	BNB	Lin1	938138 29592952	2042996	10195376	16392664	20633372	0.00500 0.150	0.0100	0.0500	0.0750	0.100
gamma-BHC (Lindane)	BNB	Lin1	838113 26626793	1830337	9180689	14740846	18539508	0.00500 0.150	0.0100	0.0500	0.0750	0.100
beta-BHC	BNB	Lin1	339852 9959073	715526	3457701	5520193	6937175	0.00500 0.150	0.0100	0.0500	0.0750	0.100
delta-BHC	BNB	Lin1	851125 26614136	1819625	8966270	14460365	18163840	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Heptachlor	BNB	Lin1	779132 24140503	1684395	8160542	12967252	16120954	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Aldrin	BNB	Lin1	889399 22393788	1709053	7603331	12083130	15034699	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Heptachlor epoxide	BNB	Lin1	686627 20462724	1457143	6945626	10972864	13682203	0.00500 0.150	0.0100	0.0500	0.0750	0.100
trans-Chlordane	BNB	Lin1	764898 22856777	1564297	7509806	12077785	15187384	0.00500 0.150	0.0100	0.0500	0.0750	0.100
cis-Chlordane	BNB	Lin1	733578 22270165	1524779	7275232	11680395	14728236	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Endosulfan I	BNB	Lin1	639019 18096242	1335632	6296779	9982886	12392763	0.00500 0.150	0.0100	0.0500	0.0750	0.100
4,4'-DDE	BNB	Lin1	665233 21949308	1458178	7285906	11721642	14762338	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Dieldrin	BNB	Lin1	703823 21887998	1525026	7387275	11769833	14708177	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Endrin	BNB	Lin1	624187 19850167	1351452	6577935	10540202	13152723	0.00500 0.150	0.0100	0.0500	0.0750	0.100
4,4'-DDD	BNB	Lin1	545788 17711645	1177355	5736266	9246675	11687980	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Endosulfan II	BNB	Lin1	580875 18130828	1245588	5898988	9444918	11873469	0.00500 0.150	0.0100	0.0500	0.0750	0.100
4,4'-DDT	BNB	Lin1	435404 17963477	998775	5473210	9101775	11646358	0.00500 0.150	0.0100	0.0500	0.0750	0.100

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-231006-1 Analy Batch No.: 751896

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/16/2025 09:58 Calibration End Date: 07/16/2025 11:36 Calibration ID: 48564

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	BNB	Lin1	442801 12893882	911171	4250769	6770433	8461592	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Endosulfan sulfate	BNB	Lin1	436277 15239719	958051	4834516	7790523	9893781	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Methoxychlor	BNB	Lin1	193803 7826481	448986	2344672	3879828	4936301	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Endrin ketone	BNB	Lin1	559638 18258628	1202922	5883642	9484130	11952033	0.00500 0.150	0.0100	0.0500	0.0750	0.100
Tetrachloro-m-xylene	BNB	Lin1	581301 17386869	1228001	5955945	9508067	11913397	0.00503 0.151	0.0101	0.0503	0.0755	0.101
DCB Decachlorobiphenyl	BNB	Lin1	409889 12854473	851940	4052386	6567979	8346791	0.00503 0.151	0.0101	0.0503	0.0754	0.101

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: PEM 480-752073/5 Calibration Date: 07/18/2025 08:21

Instrument ID: HP6890-5 Calib Start Date: 07/16/2025 09:58

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 07/16/2025 11:36

Lab File ID: 5_82117.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	5.39	3158243	1.04	15	
Endrin aldehyde	6.05	5444			
Endrin ketone	6.78	27887			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	5.75	5606421	1.22	15	
4,4'-DDD	5.48	53432			
4,4'-DDE	4.86	15560			

should have these forms for both columns per ICAL date - we do ok

FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: PEM 480-752073/5 Calibration Date: 07/18/2025 08:21

Instrument ID: HP6890-5 Calib Start Date: 07/16/2025 09:58

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 07/16/2025 11:36

Lab File ID: 5_82117.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.05	6702051	1.31	15	
Endrin aldehyde	6.61	28844			
Endrin ketone	7.45	60288			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	6.48	11442658	2.39	15	
4,4'-DDD	6.16	223233			
4,4'-DDE	5.55	56423			

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 480-751794/19 Calibration Date: 07/15/2025 16:47

Instrument ID: HP6890-5 Calib Start Date: 07/15/2025 15:10

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 07/15/2025 16:28

Lab File ID: 5_82031.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin1		0.0493		0.261	0.500	-47.8*	20.0
Toxaphene Peak 2	Lin1		0.0522		0.205	0.500	-59.0*	20.0
Toxaphene Peak 3	Lin1		0.0688		0.498	0.500	-0.5	20.0
Toxaphene Peak 4	Lin1		0.0593		0.472	0.500	-5.6	20.0
Toxaphene Peak 5	Lin1		0.0855		0.627	0.500	25.3*	20.0

mean %D < limit? -

for multi-component analytes - qual per average of peaks

Avg:

0.4126 ... %D = 21.18
w/ sensitivity decrease

C1 outside criteria, C2 w/i = All samples ND (no peaks in C2) - NO QUAL

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 480-751794/19 Calibration Date: 07/15/2025 16:47

Instrument ID: HP6890-5 Calib Start Date: 07/15/2025 15:10

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 07/15/2025 16:28

Lab File ID: 5_82031.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.62	5.32	5.92
Toxaphene Peak 2	5.75	5.44	6.04
Toxaphene Peak 3	5.97	5.67	6.27
Toxaphene Peak 4	6.31	6.00	6.60
Toxaphene Peak 5	6.40	6.10	6.70

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 480-751794/19 Calibration Date: 07/15/2025 16:47

Instrument ID: HP6890-5 Calib Start Date: 07/15/2025 15:10

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 07/15/2025 16:28

Lab File ID: 5_82031.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin1		0.0252		0.398	0.500	-20.3*	20.0
Toxaphene Peak 2	Lin1		0.0243		0.299	0.500	-40.2*	20.0
Toxaphene Peak 3	Lin1		0.0585		0.405	0.500	-18.9	20.0
Toxaphene Peak 4	Lin1		0.0437		0.508	0.500	1.6	20.0
Toxaphene Peak 5	Lin1		0.0461		0.668	0.500	33.7*	20.0

Avg = 0.4556

%D = 9.75



FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 480-751794/19 Calibration Date: 07/15/2025 16:47

Instrument ID: HP6890-5 Calib Start Date: 07/15/2025 15:10

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 07/15/2025 16:28

Lab File ID: 5_82031.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.73	5.42	6.02
Toxaphene Peak 2	6.27	5.97	6.57
Toxaphene Peak 3	6.37	6.07	6.67
Toxaphene Peak 4	6.64	6.34	6.94
Toxaphene Peak 5	7.17	6.87	7.47

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 480-751896/7 Calibration Date: 07/16/2025 11:55

Instrument ID: HP6890-5 Calib Start Date: 07/16/2025 09:58

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 07/16/2025 11:36

Lab File ID: 5_82051.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin1		2.594		0.0531	0.0500	6.1	20.0
gamma-BHC (Lindane)	Lin1		2.253		0.0541	0.0500	8.2	20.0
beta-BHC	Lin1		0.9228		0.0564	0.0500	12.7	20.0
delta-BHC	Lin1		2.403		0.0545	0.0500	9.1	20.0
Heptachlor	Lin1		2.505		0.0567	0.0500	13.5	20.0
Aldrin	Lin1		2.505		0.0563	0.0500	12.6	20.0
Heptachlor epoxide	Lin1		2.115		0.0563	0.0500	12.6	20.0
trans-Chlordane	Lin1		2.332		0.0560	0.0500	12.0	20.0
cis-Chlordane	Lin1		2.306		0.0570	0.0500	14.0	20.0
4,4'-DDE	Lin1		2.054		0.0541	0.0500	8.3	20.0
Endosulfan I	Lin1		2.184		0.0594	0.0500	18.7	20.0
Dieldrin	Lin1		2.236		0.0547	0.0500	9.4	20.0
Endrin	Lin1		2.141		0.0564	0.0500	12.8	20.0
4,4'-DDD	Lin1		1.753		0.0554	0.0500	10.8	20.0
Endosulfan II	Lin1		1.819		0.0556	0.0500	11.3	20.0
4,4'-DDT	Lin1		1.731		0.0525	0.0500	4.9	20.0
Endrin aldehyde	Lin1		1.395		0.0540	0.0500	8.0	20.0
Methoxychlor	Lin1		0.7486		0.0524	0.0500	4.9	20.0
Endosulfan sulfate	Lin1		1.514		0.0526	0.0500	5.1	20.0
Endrin ketone	Lin1		1.972		0.0544	0.0500	8.8	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 480-751896/7 Calibration Date: 07/16/2025 11:55

Instrument ID: HP6890-5 Calib Start Date: 07/16/2025 09:58

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 07/16/2025 11:36

Lab File ID: 5_82051.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.96	2.66	3.26
gamma-BHC (Lindane)	3.22	2.92	3.52
beta-BHC	3.29	2.99	3.59
delta-BHC	3.45	3.14	3.74
Heptachlor	3.64	3.34	3.94
Aldrin	3.92	3.62	4.22
Heptachlor epoxide	4.52	4.22	4.82
trans-Chlordane	4.65	4.35	4.95
cis-Chlordane	4.78	4.48	5.08
4,4'-DDE	4.87	4.56	5.16
Endosulfan I	4.92	4.62	5.22
Dieldrin	5.17	4.87	5.47
Endrin	5.41	5.10	5.70
4,4'-DDD	5.48	5.18	5.78
Endosulfan II	5.63	5.33	5.93
4,4'-DDT	5.77	5.47	6.07
Endrin aldehyde	6.06	5.76	6.36
Methoxychlor	6.27	5.97	6.57
Endosulfan sulfate	6.51	6.21	6.81
Endrin ketone	6.80	6.49	7.09

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

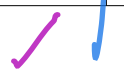
Lab Sample ID: ICV 480-751896/7 Calibration Date: 07/16/2025 11:55

Instrument ID: HP6890-5 Calib Start Date: 07/16/2025 09:58

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 07/16/2025 11:36

Lab File ID: 5_82051.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin1		2.050		0.0548	0.0500	9.7	20.0
gamma-BHC (Lindane)	Lin1		1.902		0.0566	0.0500	13.2	20.0
beta-BHC	Lin1		0.7295		0.0578	0.0500	15.5	20.0
delta-BHC	Lin1		1.904		0.0573	0.0500	14.7	20.0
Heptachlor	Lin1		1.688		0.0564	0.0500	12.7	20.0
Aldrin	Lin1		1.558		0.0555	0.0500	11.0	20.0
Heptachlor epoxide	Lin1		1.419		0.0558	0.0500	11.6	20.0
trans-Chlordane	Lin1		1.525		0.0542	0.0500	8.5	20.0
cis-Chlordane	Lin1		1.507		0.0552	0.0500	10.4	20.0
Endosulfan I	Lin1		1.306		0.0571	0.0500	14.2	20.0
4,4'-DDE	Lin1		1.490		0.0550	0.0500	10.0	20.0
Dieldrin	Lin1		1.486		0.0547	0.0500	9.3	20.0
Endrin	Lin1		1.345		0.0551	0.0500	10.2	20.0
4,4'-DDD	Lin1		1.173		0.0543	0.0500	8.6	20.0
Endosulfan II	Lin1		1.194		0.0540	0.0500	7.9	20.0
4,4'-DDT	Lin1		1.094		0.0515	0.0500	2.9	20.0
Endrin aldehyde	Lin1		0.8429		0.0532	0.0500	6.5	20.0
Endosulfan sulfate	Lin1		0.9543		0.0521	0.0500	4.2	20.0
Methoxychlor	Lin1		0.4698		0.0513	0.0500	2.7	20.0
Endrin ketone	Lin1		1.189		0.0536	0.0500	7.3	20.0



FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 480-751896/7 Calibration Date: 07/16/2025 11:55

Instrument ID: HP6890-5 Calib Start Date: 07/16/2025 09:58

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 07/16/2025 11:36

Lab File ID: 5_82051.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	3.29	2.99	3.59
gamma-BHC (Lindane)	3.63	3.33	3.93
beta-BHC	3.70	3.40	4.00
delta-BHC	4.00	3.70	4.30
Heptachlor	4.09	3.79	4.39
Aldrin	4.43	4.13	4.73
Heptachlor epoxide	5.04	4.74	5.34
trans-Chlordane	5.24	4.94	5.54
cis-Chlordane	5.39	5.09	5.69
Endosulfan I	5.46	5.16	5.76
4,4'-DDE	5.56	5.26	5.86
Dieldrin	5.74	5.45	6.05
Endrin	6.06	5.77	6.37
4,4'-DDD	6.17	5.87	6.47
Endosulfan II	6.28	5.99	6.59
4,4'-DDT	6.50	6.20	6.80
Endrin aldehyde	6.63	6.33	6.93
Endosulfan sulfate	6.92	6.62	7.22
Methoxychlor	7.19	6.90	7.50
Endrin ketone	7.47	7.17	7.77



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVIS 480-752073/6 Calibration Date: 07/18/2025 08:40

Instrument ID: HP6890-5 Calib Start Date: 07/16/2025 09:58

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 07/16/2025 11:36

Lab File ID: 5_82118.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin1		2.631		0.0538	0.0500	7.7	20.0
gamma-BHC (Lindane)	Lin1		2.292		0.0550	0.0500	10.0	20.0
beta-BHC	Lin1		0.8526		0.0521	0.0500	4.3	20.0
delta-BHC	Lin1		2.302		0.0523	0.0500	4.6	20.0
Heptachlor	Lin1		2.405		0.0545	0.0500	9.0	20.0
Aldrin	Lin1		2.492		0.0560	0.0500	12.0	20.0
Heptachlor epoxide	Lin1		2.093		0.0557	0.0500	11.4	20.0
trans-Chlordane	Lin1		2.367		0.0569	0.0500	13.7	20.0
cis-Chlordane	Lin1		2.261		0.0559	0.0500	11.7	20.0
4,4'-DDE	Lin1		2.142		0.0564	0.0500	12.9	20.0
Endosulfan I	Lin1		1.986		0.0539	0.0500	7.8	20.0
Dieldrin	Lin1		2.208		0.0540	0.0500	8.0	20.0
Endrin	Lin1		2.079		0.0548	0.0500	9.5	20.0
4,4'-DDD	Lin1		1.795		0.0567	0.0500	13.4	20.0
Endosulfan II	Lin1		1.770		0.0541	0.0500	8.2	20.0
4,4'-DDT	Lin1		1.733		0.0525	0.0500	5.1	20.0
Endrin aldehyde	Lin1		1.391		0.0538	0.0500	7.6	20.0
Methoxychlor	Lin1		0.7907		0.0553	0.0500	10.6	20.0
Endosulfan sulfate	Lin1		1.482		0.0515	0.0500	2.9	20.0
Endrin ketone	Lin1		1.850		0.0511	0.0500	2.1	20.0
Tetrachloro-m-xylene	Lin1		1.223		0.0530	0.0503	5.3	20.0
DCB Decachlorobiphenyl	Lin1		1.514		0.0516	0.0503	2.6	20.0



FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVIS 480-752073/6 Calibration Date: 07/18/2025 08:40

Instrument ID: HP6890-5 Calib Start Date: 07/16/2025 09:58

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 07/16/2025 11:36

Lab File ID: 5_82118.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.95	2.92	2.98
gamma-BHC (Lindane)	3.21	3.18	3.24
beta-BHC	3.28	3.25	3.31
delta-BHC	3.43	3.40	3.46
Heptachlor	3.63	3.60	3.66
Aldrin	3.91	3.88	3.94
Heptachlor epoxide	4.51	4.48	4.54
trans-Chlordane	4.63	4.60	4.66
cis-Chlordane	4.77	4.74	4.80
4,4'-DDE	4.85	4.82	4.88
Endosulfan I	4.91	4.88	4.94
Dieldrin	5.15	5.12	5.18
Endrin	5.39	5.36	5.42
4,4'-DDD	5.47	5.44	5.50
Endosulfan II	5.62	5.59	5.65
4,4'-DDT	5.75	5.72	5.78
Endrin aldehyde	6.05	6.02	6.08
Methoxychlor	6.26	6.23	6.29
Endosulfan sulfate	6.49	6.46	6.52
Endrin ketone	6.78	6.75	6.81
Tetrachloro-m-xylene	2.53	2.50	2.56
DCB Decachlorobiphenyl	7.81	7.78	7.84

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVIS 480-752073/6 Calibration Date: 07/18/2025 08:40

Instrument ID: HP6890-5 Calib Start Date: 07/16/2025 09:58

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 07/16/2025 11:36

Lab File ID: 5_82118.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin1		2.046		0.0547	0.0500	9.5	20.0
gamma-BHC (Lindane)	Lin1		1.867		0.0555	0.0500	11.1	20.0
beta-BHC	Lin1		0.7124		0.0564	0.0500	12.8	20.0
delta-BHC	Lin1		1.785		0.0538	0.0500	7.5	20.0
Heptachlor	Lin1		1.581		0.0528	0.0500	5.6	20.0
Aldrin	Lin1		1.602		0.0571	0.0500	14.2	20.0
Heptachlor epoxide	Lin1		1.357		0.0534	0.0500	6.7	20.0
trans-Chlordane	Lin1		1.496		0.0532	0.0500	6.4	20.0
cis-Chlordane	Lin1		1.441		0.0528	0.0500	5.6	20.0
Endosulfan I	Lin1		1.222		0.0534	0.0500	6.8	20.0
4,4'-DDE	Lin1		1.454		0.0537	0.0500	7.4	20.0
Dieldrin	Lin1		1.448		0.0533	0.0500	6.6	20.0
Endrin	Lin1		1.274		0.0522	0.0500	4.4	20.0
4,4'-DDD	Lin1		1.135		0.0526	0.0500	5.1	20.0
Endosulfan II	Lin1		1.161		0.0525	0.0500	5.0	20.0
4,4'-DDT	Lin1		1.008		0.0475	0.0500	-4.9	20.0
Endrin aldehyde	Lin1		0.8314		0.0525	0.0500	5.0	20.0
Endosulfan sulfate	Lin1		0.9141		0.0499	0.0500	-0.1	20.0
Methoxychlor	Lin1		0.4368		0.0478	0.0500	-4.4	20.0
Endrin ketone	Lin1		1.095		0.0494	0.0500	-1.2	20.0
Tetrachloro-m-xylene	Lin1		1.215		0.0563	0.0503	11.9	20.0
DCB Decachlorobiphenyl	Lin1		0.7979		0.0520	0.0503	3.4	20.0



FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVIS 480-752073/6 Calibration Date: 07/18/2025 08:40

Instrument ID: HP6890-5 Calib Start Date: 07/16/2025 09:58

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 07/16/2025 11:36

Lab File ID: 5_82118.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	3.28	3.25	3.31
gamma-BHC (Lindane)	3.61	3.58	3.64
beta-BHC	3.68	3.65	3.71
delta-BHC	3.98	3.95	4.01
Heptachlor	4.07	4.04	4.10
Aldrin	4.42	4.39	4.45
Heptachlor epoxide	5.02	4.99	5.05
trans-Chlordane	5.22	5.19	5.25
cis-Chlordane	5.38	5.35	5.41
Endosulfan I	5.44	5.41	5.47
4,4'-DDE	5.55	5.52	5.58
Dieldrin	5.73	5.70	5.76
Endrin	6.05	6.02	6.08
4,4'-DDD	6.15	6.12	6.18
Endosulfan II	6.27	6.24	6.30
4,4'-DDT	6.48	6.45	6.51
Endrin aldehyde	6.61	6.58	6.64
Endosulfan sulfate	6.90	6.87	6.93
Methoxychlor	7.18	7.15	7.21
Endrin ketone	7.45	7.42	7.48
Tetrachloro-m-xylene	2.75	2.72	2.78
DCB Decachlorobiphenyl	8.68	8.65	8.71



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 480-752073/8 Calibration Date: 07/18/2025 09:20

Instrument ID: HP6890-5 Calib Start Date: 07/15/2025 15:10

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 07/15/2025 16:28

Lab File ID: 5_82120.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin1		0.0878		0.449	0.500	-10.2	20.0
Toxaphene Peak 2	Lin1		0.1190		0.441	0.500	-11.8	20.0
Toxaphene Peak 3	Lin1		0.0619		0.450	0.500	-10.0	20.0
Toxaphene Peak 4	Lin1		0.0555		0.443	0.500	-11.4	20.0
Toxaphene Peak 5	Lin1		0.0554		0.415	0.500	-17.1	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 480-752073/8 Calibration Date: 07/18/2025 09:20

Instrument ID: HP6890-5 Calib Start Date: 07/15/2025 15:10

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 07/15/2025 16:28

Lab File ID: 5_82120.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.61	5.58	5.64
Toxaphene Peak 2	5.74	5.71	5.77
Toxaphene Peak 3	5.97	5.94	6.00
Toxaphene Peak 4	6.30	6.27	6.33
Toxaphene Peak 5	6.40	6.37	6.43

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 480-752073/8 Calibration Date: 07/18/2025 09:20

Instrument ID: HP6890-5 Calib Start Date: 07/15/2025 15:10

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 07/15/2025 16:28

Lab File ID: 5_82120.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin1		0.0311		0.490	0.500	-2.0	20.0
Toxaphene Peak 2	Lin1		0.0376		0.456	0.500	-8.7	20.0
Toxaphene Peak 3	Lin1		0.0634		0.438	0.500	-12.3	20.0
Toxaphene Peak 4	Lin1		0.0359		0.421	0.500	-15.9	20.0
Toxaphene Peak 5	Lin1		0.0271		0.397	0.500	-20.5*	20.0

Avg: 0.4404
%D = 13.53

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 480-752073/8 Calibration Date: 07/18/2025 09:20

Instrument ID: HP6890-5 Calib Start Date: 07/15/2025 15:10

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 07/15/2025 16:28

Lab File ID: 5_82120.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.71	5.68	5.74
Toxaphene Peak 2	6.26	6.23	6.29
Toxaphene Peak 3	6.36	6.33	6.39
Toxaphene Peak 4	6.63	6.60	6.66
Toxaphene Peak 5	7.16	7.13	7.19

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-751725/1-A

Matrix: Solid | Lab File ID: 5_82122.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3546 | Date Extracted: 07/15/2025 06:52

Sample wt/vol: 15(g) | Date Analyzed: 07/18/2025 09:59

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752073 | Units: ug/Kg

Preparation Batch No.: 751725 | Instrument ID: HP6890-5

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	ND		3.3	0.65
72-55-9	4,4'-DDE	ND		3.3	0.70
50-29-3	4,4'-DDT	ND		3.3	0.78
309-00-2	Aldrin	ND		3.3	0.82
319-84-6	alpha-BHC	ND		3.3	0.60
5103-71-9	cis-Chlordane	ND		3.3	1.7
319-85-7	beta-BHC	0.978	J	3.3	0.60
319-86-8	delta-BHC	ND		3.3	0.62
60-57-1	Dieldrin	ND		3.3	0.80
959-98-8	Endosulfan I	ND		3.3	0.64
33213-65-9	Endosulfan II	ND		3.3	0.60
1031-07-8	Endosulfan sulfate	ND		3.3	0.62
72-20-8	Endrin	ND		3.3	0.66
7421-93-4	Endrin aldehyde	ND		3.3	0.85
53494-70-5	Endrin ketone	ND		3.3	0.82
58-89-9	gamma-BHC (Lindane)	ND		3.3	0.61
5103-74-2	trans-Chlordane	ND		3.3	1.1
76-44-8	Heptachlor	ND		3.3	0.72
1024-57-3	Heptachlor epoxide	ND		3.3	0.86
72-43-5	Methoxychlor	ND		3.3	0.68
8001-35-2	Toxaphene	ND		33	19

detect in MB - Samples ND - No qual needed

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	77		45-120
877-09-8	Tetrachloro-m-xylene	70		30-124

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-751725/1-A

Matrix: Solid | Lab File ID: 5_82122.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3546 | Date Extracted: 07/15/2025 06:52

Sample wt/vol: 15(g) | Date Analyzed: 07/18/2025 09:59

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752073 | Units: ug/Kg

Preparation Batch No.: 751725 | Instrument ID: HP6890-5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	83		45-120
877-09-8	Tetrachloro-m-xylene	70		30-124

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-751725/2-A

Matrix: Solid | Lab File ID: 5_82123.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3546 | Date Extracted: 07/15/2025 06:52

Sample wt/vol: 15(g) | Date Analyzed: 07/18/2025 10:18

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752073 | Units: ug/Kg

Preparation Batch No.: 751725 | Instrument ID: HP6890-5

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	27.3		3.3	0.65
72-55-9	4,4'-DDE	24.7		3.3	0.70
50-29-3	4,4'-DDT	27.1		3.3	0.78
309-00-2	Aldrin	21.7		3.3	0.82
319-84-6	alpha-BHC	21.3		3.3	0.60
5103-71-9	cis-Chlordane	20.7		3.3	1.7
319-85-7	beta-BHC	24.2		3.3	0.60
319-86-8	delta-BHC	24.7		3.3	0.62
60-57-1	Dieldrin	26.0		3.3	0.80
959-98-8	Endosulfan I	24.2		3.3	0.64
33213-65-9	Endosulfan II	25.3		3.3	0.60
1031-07-8	Endosulfan sulfate	23.1		3.3	0.62
72-20-8	Endrin	26.8		3.3	0.66
7421-93-4	Endrin aldehyde	14.4		3.3	0.85
53494-70-5	Endrin ketone	24.5		3.3	0.82
58-89-9	gamma-BHC (Lindane)	24.2		3.3	0.61
5103-74-2	trans-Chlordane	24.0		3.3	1.1
76-44-8	Heptachlor	26.2		3.3	0.72
1024-57-3	Heptachlor epoxide	26.6		3.3	0.86
72-43-5	Methoxychlor	28.3		3.3	0.68

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	88		45-120
877-09-8	Tetrachloro-m-xylene	75		30-124

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-751725/2-A

Matrix: Solid | Lab File ID: 5_82123.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3546 | Date Extracted: 07/15/2025 06:52

Sample wt/vol: 15(g) | Date Analyzed: 07/18/2025 10:18

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752073 | Units: ug/Kg

Preparation Batch No.: 751725 | Instrument ID: HP6890-5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	93		45-120
877-09-8	Tetrachloro-m-xylene	74		30-124

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

not validating MS/MSD in this review

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48" MS | Lab Sample ID: 480-231006-3 MS

Matrix: Solid | Lab File ID: 5_82124.D

Analysis Method: 8081B | Date Collected: 07/09/2025 12:00

Extraction Method: 3546 | Date Extracted: 07/15/2025 06:52

Sample wt/vol: 15.06(g) | Date Analyzed: 07/18/2025 10:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 20

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.53(mm)

% Moisture: 6.0 % Solids: 94.0 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752073 | Units: ug/Kg

Preparation Batch No.: 751725 | Instrument ID: HP6890-5

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	29.7	J	71	14
72-55-9	4,4'-DDE	27.7	J	71	15
50-29-3	4,4'-DDT	59.3	J	71	17
309-00-2	Aldrin	ND		71	17
319-84-6	alpha-BHC	30.8	J	71	13
5103-71-9	cis-Chlordane	ND		71	35
319-85-7	beta-BHC	31.5	J	71	13
319-86-8	delta-BHC	38.8	J	71	13
60-57-1	Dieldrin	23.9	J	71	17
959-98-8	Endosulfan I	ND		71	14
33213-65-9	Endosulfan II	21.7	J	71	13
1031-07-8	Endosulfan sulfate	22.0	J	71	13
72-20-8	Endrin	29.4	J	71	14
7421-93-4	Endrin aldehyde	ND		71	18
53494-70-5	Endrin ketone	36.1	J	71	17
58-89-9	gamma-BHC (Lindane)	32.7	J	71	13
5103-74-2	trans-Chlordane	ND		71	22
76-44-8	Heptachlor	30.2	J	71	15
1024-57-3	Heptachlor epoxide	18.0	J	71	18
72-43-5	Methoxychlor	53.1	J	71	14
8001-35-2	Toxaphene	ND		710	410

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	193	S1+	45-120
877-09-8	Tetrachloro-m-xylene	106		30-124

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48" MS | Lab Sample ID: 480-231006-3 MS

Matrix: Solid | Lab File ID: 5_82124.D

Analysis Method: 8081B | Date Collected: 07/09/2025 12:00

Extraction Method: 3546 | Date Extracted: 07/15/2025 06:52

Sample wt/vol: 15.06(g) | Date Analyzed: 07/18/2025 10:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 20

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: 6.0 % Solids: 94.0 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752073 | Units: ug/Kg

Preparation Batch No.: 751725 | Instrument ID: HP6890-5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	410	*S1+*	45-120
877-09-8	Tetrachloro-m-xylene	102		30-124

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48" MSD | Lab Sample ID: 480-231006-3 MSD

Matrix: Solid | Lab File ID: 5_82125.D

Analysis Method: 8081B | Date Collected: 07/09/2025 12:00

Extraction Method: 3546 | Date Extracted: 07/15/2025 06:52

Sample wt/vol: 15.40(g) | Date Analyzed: 07/18/2025 10:57

Con. Extract Vol.: 10(mL) | Dilution Factor: 20

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.53(mm)

% Moisture: 6.0 % Solids: 94.0 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752073 | Units: ug/Kg

Preparation Batch No.: 751725 | Instrument ID: HP6890-5

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	24.9	J	69	13
72-55-9	4,4'-DDE	24.7	J	69	14
50-29-3	4,4'-DDT	56.1	J	69	16
309-00-2	Aldrin	ND		69	17
319-84-6	alpha-BHC	29.1	J	69	12
5103-71-9	cis-Chlordane	ND		69	34
319-85-7	beta-BHC	28.6	J	69	12
319-86-8	delta-BHC	33.8	J	69	13
60-57-1	Dieldrin	20.4	J	69	17
959-98-8	Endosulfan I	ND		69	13
33213-65-9	Endosulfan II	20.0	J	69	12
1031-07-8	Endosulfan sulfate	19.0	J	69	13
72-20-8	Endrin	27.2	J	69	14
7421-93-4	Endrin aldehyde	ND		69	18
53494-70-5	Endrin ketone	28.4	J	69	17
58-89-9	gamma-BHC (Lindane)	32.1	J	69	13
5103-74-2	trans-Chlordane	ND		69	22
76-44-8	Heptachlor	31.6	J	69	15
1024-57-3	Heptachlor epoxide	ND		69	18
72-43-5	Methoxychlor	49.8	J	69	14
8001-35-2	Toxaphene	ND		690	400

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	151	S1+	45-120
877-09-8	Tetrachloro-m-xylene	0	S1-	30-124

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48" MSD | Lab Sample ID: 480-231006-3 MSD

Matrix: Solid | Lab File ID: 5_82125.D

Analysis Method: 8081B | Date Collected: 07/09/2025 12:00

Extraction Method: 3546 | Date Extracted: 07/15/2025 06:52

Sample wt/vol: 15.40(g) | Date Analyzed: 07/18/2025 10:57

Con. Extract Vol.: 10(mL) | Dilution Factor: 20

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: 6.0 % Solids: 94.0 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 752073 | Units: ug/Kg

Preparation Batch No.: 751725 | Instrument ID: HP6890-5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	255	*S1+*	45-120
877-09-8	Tetrachloro-m-xylene	0	*S1-*	30-124

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: HP6890-5 Start Date: 07/15/2025 13:13

Analysis Batch Number: 751794 End Date: 07/15/2025 18:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 480-751794/8 IC		07/15/2025 13:13	1		RTX-CLPI 0.53(mm)
STD1 480-751794/8 IC		07/15/2025 13:13	1		RTX-CLPII 0.53(mm)
STD2 480-751794/9 IC		07/15/2025 13:32	1		RTX-CLPI 0.53(mm)
STD2 480-751794/9 IC		07/15/2025 13:32	1		RTX-CLPII 0.53(mm)
STD3 480-751794/10 IC		07/15/2025 13:52	1		RTX-CLPI 0.53(mm)
STD3 480-751794/10 IC		07/15/2025 13:52	1		RTX-CLPII 0.53(mm)
STD4 480-751794/11 IC		07/15/2025 14:11	1		RTX-CLPI 0.53(mm)
STD4 480-751794/11 IC		07/15/2025 14:11	1		RTX-CLPII 0.53(mm)
STD5 480-751794/12 IC		07/15/2025 14:31	1		RTX-CLPI 0.53(mm)
STD5 480-751794/12 IC		07/15/2025 14:31	1		RTX-CLPII 0.53(mm)
ICV 480-751794/13		07/15/2025 14:50	1		RTX-CLPI 0.53(mm)
ICV 480-751794/13		07/15/2025 14:50	1		RTX-CLPII 0.53(mm)
STD1 480-751794/14 IC		07/15/2025 15:10	1	5_82026.D	RTX-CLPI 0.53(mm)
STD1 480-751794/14 IC		07/15/2025 15:10	1	5_82026.D	RTX-CLPII 0.53(mm)
STD2 480-751794/15 IC		07/15/2025 15:29	1	5_82027.D	RTX-CLPI 0.53(mm)
STD2 480-751794/15 IC		07/15/2025 15:29	1	5_82027.D	RTX-CLPII 0.53(mm)
STD3 480-751794/16 IC		07/15/2025 15:49	1	5_82028.D	RTX-CLPI 0.53(mm)
STD3 480-751794/16 IC		07/15/2025 15:49	1	5_82028.D	RTX-CLPII 0.53(mm)
STD4 480-751794/17 IC		07/15/2025 16:08	1	5_82029.D	RTX-CLPI 0.53(mm)
STD4 480-751794/17 IC		07/15/2025 16:08	1	5_82029.D	RTX-CLPII 0.53(mm)
STD5 480-751794/18 IC		07/15/2025 16:28	1	5_82030.D	RTX-CLPI 0.53(mm)
STD5 480-751794/18 IC		07/15/2025 16:28	1	5_82030.D	RTX-CLPII 0.53(mm)
ICV 480-751794/19		07/15/2025 16:47	1	5_82031.D	RTX-CLPI 0.53(mm)
ICV 480-751794/19		07/15/2025 16:47	1	5_82031.D	RTX-CLPII 0.53(mm)
STD1 480-751794/20 IC		07/15/2025 17:07	1		RTX-CLPI 0.53(mm)
STD1 480-751794/20 IC		07/15/2025 17:07	1		RTX-CLPII 0.53(mm)
STD2 480-751794/21 IC		07/15/2025 17:27	1		RTX-CLPI 0.53(mm)
STD2 480-751794/21 IC		07/15/2025 17:27	1		RTX-CLPII 0.53(mm)
STD3 480-751794/22 IC		07/15/2025 17:46	1		RTX-CLPI 0.53(mm)
STD3 480-751794/22 IC		07/15/2025 17:46	1		RTX-CLPII 0.53(mm)
STD4 480-751794/23 IC		07/15/2025 18:06	1		RTX-CLPI 0.53(mm)
STD4 480-751794/23 IC		07/15/2025 18:06	1		RTX-CLPII 0.53(mm)
STD5 480-751794/24 IC		07/15/2025 18:25	1		RTX-CLPI 0.53(mm)
STD5 480-751794/24 IC		07/15/2025 18:25	1		RTX-CLPII 0.53(mm)

8081B

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: HP6890-5 Start Date: 07/15/2025 13:13

Analysis Batch Number: 751794 End Date: 07/15/2025 18:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICV 480-751794/25		07/15/2025 18:45	1		RTX-CLPI 0.53(mm)
ICV 480-751794/25		07/15/2025 18:45	1		RTX-CLPII 0.53(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: HP6890-5 Start Date: 07/16/2025 09:58

Analysis Batch Number: 751896 End Date: 07/16/2025 21:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 480-751896/1 IC		07/16/2025 09:58	1	5_82045.D	RTX-CLPI 0.53(mm)
STD1 480-751896/1 IC		07/16/2025 09:58	1	5_82045.D	RTX-CLPII 0.53(mm)
STD2 480-751896/2 IC		07/16/2025 10:18	1	5_82046.D	RTX-CLPI 0.53(mm)
STD2 480-751896/2 IC		07/16/2025 10:18	1	5_82046.D	RTX-CLPII 0.53(mm)
STD6 480-751896/3 IC		07/16/2025 10:37	1	5_82047.D	RTX-CLPI 0.53(mm)
STD6 480-751896/3 IC		07/16/2025 10:37	1	5_82047.D	RTX-CLPII 0.53(mm)
STD3 480-751896/4 ICIS		07/16/2025 10:57	1	5_82048.D	RTX-CLPI 0.53(mm)
STD3 480-751896/4 ICIS		07/16/2025 10:57	1	5_82048.D	RTX-CLPII 0.53(mm)
STD4 480-751896/5 IC		07/16/2025 11:16	1	5_82049.D	RTX-CLPI 0.53(mm)
STD4 480-751896/5 IC		07/16/2025 11:16	1	5_82049.D	RTX-CLPII 0.53(mm)
STD5 480-751896/6 IC		07/16/2025 11:36	1	5_82050.D	RTX-CLPI 0.53(mm)
STD5 480-751896/6 IC		07/16/2025 11:36	1	5_82050.D	RTX-CLPII 0.53(mm)
ICV 480-751896/7		07/16/2025 11:55	1	5_82051.D	RTX-CLPI 0.53(mm)
ICV 480-751896/7		07/16/2025 11:55	1	5_82051.D	RTX-CLPII 0.53(mm)
PEM 480-751896/8		07/16/2025 12:15	1		RTX-CLPI 0.53(mm)
PEM 480-751896/8		07/16/2025 12:15	1		RTX-CLPII 0.53(mm)
CCVIS 480-751896/9		07/16/2025 12:34	1		RTX-CLPI 0.53(mm)
CCVIS 480-751896/9		07/16/2025 12:34	1		RTX-CLPII 0.53(mm)
CCV 480-751896/10		07/16/2025 12:54	1		RTX-CLPI 0.53(mm)
CCV 480-751896/10		07/16/2025 12:54	1		RTX-CLPII 0.53(mm)
CCV 480-751896/11		07/16/2025 13:13	1		RTX-CLPI 0.53(mm)
CCV 480-751896/11		07/16/2025 13:13	1		RTX-CLPII 0.53(mm)
CCV 480-751896/12		07/16/2025 13:33	1		RTX-CLPI 0.53(mm)
CCV 480-751896/12		07/16/2025 13:33	1		RTX-CLPII 0.53(mm)
ZZZZZ (QC)		07/16/2025 13:52	1		RTX-CLPI 0.53(mm)
ZZZZZ (QC)		07/16/2025 13:52	1		RTX-CLPII 0.53(mm)
ZZZZZ (QC)		07/16/2025 14:12	1		RTX-CLPI 0.53(mm)
ZZZZZ (QC)		07/16/2025 14:12	1		RTX-CLPII 0.53(mm)
ZZZZZ (QC)		07/16/2025 14:31	1		RTX-CLPI 0.53(mm)
ZZZZZ (QC)		07/16/2025 14:31	1		RTX-CLPII 0.53(mm)
ZZZZZ (QC)		07/16/2025 14:51	1		RTX-CLPI 0.53(mm)
ZZZZZ (QC)		07/16/2025 14:51	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/16/2025 15:11	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/16/2025 15:11	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/16/2025 15:30	20		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/16/2025 15:30	20		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/16/2025 15:50	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/16/2025 15:50	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/16/2025 16:09	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/16/2025 16:09	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/16/2025 16:29	20		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/16/2025 16:29	20		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/16/2025 16:48	20		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/16/2025 16:48	20		RTX-CLPII 0.53(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: HP6890-5 Start Date: 07/16/2025 09:58

Analysis Batch Number: 751896 End Date: 07/16/2025 21:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ (Client)		07/16/2025 17:08	20		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/16/2025 17:08	20		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/16/2025 17:27	20		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/16/2025 17:27	20		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/16/2025 17:47	20		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/16/2025 17:47	20		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/16/2025 18:06	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/16/2025 18:06	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/16/2025 18:26	10		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/16/2025 18:26	10		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/16/2025 18:46	10		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/16/2025 18:46	10		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/16/2025 19:05	10		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/16/2025 19:05	10		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/16/2025 19:25	10		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/16/2025 19:25	10		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/16/2025 19:45	10		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/16/2025 19:45	10		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/16/2025 20:04	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/16/2025 20:04	1		RTX-CLPII 0.53(mm)
CCV 480-751896/33		07/16/2025 20:24	1		RTX-CLPI 0.53(mm)
CCV 480-751896/33		07/16/2025 20:24	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/16/2025 20:43	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/16/2025 20:43	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/16/2025 21:03	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/16/2025 21:03	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/16/2025 21:22	10		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/16/2025 21:22	10		RTX-CLPII 0.53(mm)

w/i HT
(extract 14d)

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: HP6890-5 Start Date: 07/18/2025 08:21

Analysis Batch Number: 752073 End Date: 07/18/2025 16:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 480-752073/5		07/18/2025 08:21	1	5_82117.D	RTX-CLPI 0.53(mm)
PEM 480-752073/5		07/18/2025 08:21	1	5_82117.D	RTX-CLPII 0.53(mm)
CCVIS 480-752073/6		07/18/2025 08:40	1	5_82118.D	RTX-CLPI 0.53(mm)
CCVIS 480-752073/6		07/18/2025 08:40	1	5_82118.D	RTX-CLPII 0.53(mm)
CCV 480-752073/7		07/18/2025 09:00	1		RTX-CLPI 0.53(mm)
CCV 480-752073/7		07/18/2025 09:00	1		RTX-CLPII 0.53(mm)
CCV 480-752073/8		07/18/2025 09:20	1	5_82120.D	RTX-CLPI 0.53(mm)
CCV 480-752073/8		07/18/2025 09:20	1	5_82120.D	RTX-CLPII 0.53(mm)
CCV 480-752073/9		07/18/2025 09:39	1		RTX-CLPI 0.53(mm)
CCV 480-752073/9		07/18/2025 09:39	1		RTX-CLPII 0.53(mm)
MB 480-751725/1-A		07/18/2025 09:59	1	5_82122.D	RTX-CLPI 0.53(mm)
MB 480-751725/1-A		07/18/2025 09:59	1	5_82122.D	RTX-CLPII 0.53(mm)
LCS 480-751725/2-A		07/18/2025 10:18	1	5_82123.D	RTX-CLPI 0.53(mm)
LCS 480-751725/2-A		07/18/2025 10:18	1	5_82123.D	RTX-CLPII 0.53(mm)
480-231006-3 MS	SB1-12'-48" MS	07/18/2025 10:38	20	5_82124.D	RTX-CLPI 0.53(mm)
480-231006-3 MS	SB1-12'-48" MS	07/18/2025 10:38	20	5_82124.D	RTX-CLPII 0.53(mm)
480-231006-3 MSD	SB1-12'-48" MSD	07/18/2025 10:57	20	5_82125.D	RTX-CLPI 0.53(mm)
480-231006-3 MSD	SB1-12'-48" MSD	07/18/2025 10:57	20	5_82125.D	RTX-CLPII 0.53(mm)
480-231006-3	SB1-12'-48"	07/18/2025 11:17	20	5_82126.D	RTX-CLPI 0.53(mm)
480-231006-3	SB1-12'-48"	07/18/2025 11:17	20	5_82126.D	RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/18/2025 11:36	10		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/18/2025 11:36	10		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/18/2025 11:56	10		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/18/2025 11:56	10		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/18/2025 12:15	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/18/2025 12:15	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/18/2025 12:35	20		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/18/2025 12:35	20		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/18/2025 12:54	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/18/2025 12:54	1		RTX-CLPII 0.53(mm)
480-231006-5	SB1-5'-8'	07/18/2025 13:14	20	5_82132.D	RTX-CLPI 0.53(mm)
480-231006-5	SB1-5'-8'	07/18/2025 13:14	20	5_82132.D	RTX-CLPII 0.53(mm)
480-231006-12	SB2-12"-5'	07/18/2025 13:33	20	5_82133.D	RTX-CLPI 0.53(mm)
480-231006-12	SB2-12"-5'	07/18/2025 13:33	20	5_82133.D	RTX-CLPII 0.53(mm)
480-231006-14	SB2-9'-10'	07/18/2025 13:53	1	5_82134.D	RTX-CLPI 0.53(mm)
480-231006-14	SB2-9'-10'	07/18/2025 13:53	1	5_82134.D	RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/18/2025 14:12	5		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/18/2025 14:12	5		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/18/2025 14:32	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/18/2025 14:32	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/18/2025 14:51	5		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/18/2025 14:51	5		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/18/2025 15:11	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/18/2025 15:11	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/18/2025 15:30	20		RTX-CLPI 0.53(mm)

8081B

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: HP6890-5 Start Date: 07/18/2025 08:21

Analysis Batch Number: 752073 End Date: 07/18/2025 16:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ (Client)		07/18/2025 15:30	20		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/18/2025 15:50	5		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/18/2025 15:50	5		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/18/2025 16:09	10		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/18/2025 16:09	10		RTX-CLPII 0.53(mm)
CCV 480-752073/30		07/18/2025 16:29	1		RTX-CLPI 0.53(mm)
CCV 480-752073/30		07/18/2025 16:29	1		RTX-CLPII 0.53(mm)
ZZZZZ (Client)		07/18/2025 16:48	1		RTX-CLPI 0.53(mm)
ZZZZZ (Client)		07/18/2025 16:48	1		RTX-CLPII 0.53(mm)

closing CCVs not required if internal standard was used - OK

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 751725 Batch Start Date: 07/15/25 06:52 Batch Analyst: Palermo, Stephan M

Batch Method: 3546 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	O_8081/82surr 00184	O8081pestspik 00071	AnalysisComment	
MB 480-751725/1		3546, 8081B			15 g	10 mL	1 mL		Florisiled	
LCS 480-751725/2		3546, 8081B			15 g	10 mL	1 mL	1 mL	Florisiled	
480-231006-B-3 MS	SB1-12'-48"	3546, 8081B		T	15.06 g	10 mL	1 mL	1 mL	Florisiled	
480-231006-B-3 MSD	SB1-12'-48"	3546, 8081B		T	15.40 g	10 mL	1 mL	1 mL	Florisiled	
480-231006-B-3	SB1-12'-48"	3546, 8081B	Solid	T	15.89 g	10 mL	1 mL		Florisiled	
480-231006-B-5	SB1-5'-8'	3546, 8081B	Solid	T	15.49 g	10 mL	1 mL		Florisiled	
480-231006-B-12	SB2-12"-5'	3546, 8081B	Solid	T	15.28 g	10 mL	1 mL		Florisiled	
480-231006-B-14	SB2-9'-10'	3546, 8081B	Solid	T	15.64 g	10 mL	1 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 751725 Batch Start Date: 07/15/25 06:52 Batch Analyst: Palermo, Stephan M

Batch Method: 3546 Batch End Date:

Batch Notes	
Method/Fraction	3546/8081B
Balance ID	Balance-5
Balance is Level? (Y/N)	yes
Microwave Oven ID	Microwave #1
Microwave Program ID	3546: 8-24 V
Analyst ID - Extraction	SP
Blank Matrix ID	8331597
Analyst ID - Spike Analyst	SP
Analyst ID - Spike Witness Analyst	SP
Sufficient Volume for Batch QC	Yes
Prep Solvent ID	8348276/8357977
Na2SO4 ID	8367564
Filter ID	16887158
Analyst ID - Concentration	SP
Exchange Solvent ID	8348276
Vial Lot Number	24026118
Analyst ID - Clean Up	SP 7/15/25, 3620C
Florisil ID	8369577
Pipette Tip Lot ID	PPT000000
Batch Comment	Microwave start time: 9:43

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 751794 Batch Start Date: 07/15/25 13:13 Batch Analyst: Salverson, Jessica L

Batch Method: 8081B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	Tox 0.05ng 00033	Tox 0.1ng 00034	Tox 1.0ng 00030	Tox 1.5ng 00033	TOX_ALT_0.5 00037
STD1 480-751794/14 IC		8081B			1 mL				1 mL	
STD2 480-751794/15 IC		8081B			1 mL			1 mL		
STD3 480-751794/16 IC		8081B			1 mL					
STD4 480-751794/17 IC		8081B			1 mL		1 mL			
STD5 480-751794/18 IC		8081B			1 mL	1 mL				
ICV 480-751794/19		8081B			1 mL					1 mL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	TOX_CCV_0.5 00212					
STD1 480-751794/14 IC		8081B								
STD2 480-751794/15 IC		8081B								
STD3 480-751794/16 IC		8081B			1 mL					
STD4 480-751794/17 IC		8081B								
STD5 480-751794/18 IC		8081B								
ICV 480-751794/19		8081B								

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 751794 Batch Start Date: 07/15/25 13:13 Batch Analyst: Salverson, Jessica L

Batch Method: 8081B Batch End Date:

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 751896 Batch Start Date: 07/16/25 09:58 Batch Analyst: Salverson, Jessica L

Batch Method: 8081B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	pest_cal_.005 00048	pest_cal_.01 00048	PEST_CAL_.075 00006	PEST_CAL_.10 00059	PEST_CAL_.15 00057
STD1 480-751896/1 IC		8081B			1 mL					1 mL
STD2 480-751896/2 IC		8081B			1 mL				1 mL	
STD6 480-751896/3 IC		8081B			1 mL			1 mL		
STD3 480-751896/4 ICIS		8081B			1 mL					
STD4 480-751896/5 IC		8081B			1 mL		1 mL			
STD5 480-751896/6 IC		8081B			1 mL	1 mL				
ICV 480-751896/7		8081B			1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	PEST_CCV_.05 00427	PEST_ICV_.05 00054				
STD1 480-751896/1 IC		8081B								
STD2 480-751896/2 IC		8081B								
STD6 480-751896/3 IC		8081B								
STD3 480-751896/4 ICIS		8081B			1 mL					
STD4 480-751896/5 IC		8081B								
STD5 480-751896/6 IC		8081B								
ICV 480-751896/7		8081B				1 mL				

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 751896 Batch Start Date: 07/16/25 09:58 Batch Analyst: Salverson, Jessica L

Batch Method: 8081B Batch End Date:

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

1633A

Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Gemini C18 ID: 3 (mm)

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	M242FTS #	13C5PHA #	C3PFBS #	HFPODA #	C4PFHA #	M262FTS #
SB1-12"-18"	480-231006-1	115	112	106	111	98.6	99.1	101	103
SB1-18"-30"	480-231006-2	82.8	99.4	83.1	94.4	86.1	87.1	92.5	81.1
SB1-12'-48"	480-231006-3	109	113	104	108	101	102	109	100
SB1-7'-8'	480-231006-4	79.0	89.8	77.2	81.5	79.3	77.7	82.3	74.4
SB1-5'-8'	480-231006-5	110	119	106	112	104	107	106	107
SB2-12"-18"	480-231006-7	79.4	82.5	71.9	82.7	74.9	82.0	75.5	70.4
SB2-12"-18" DUP	480-231006-8	83.3	94.4	74.6	90.6	78.2	88.6	88.0	76.7
SB2-24"-36"	480-231006-11	84.2	95.5	79.8	91.5	79.8	89.9	91.0	79.1
SB2-12"-5'	480-231006-12	127	124	123	122	107	113	116	108
SB2-9'-10'	480-231006-13	85.7	93.7	80.2	91.4	81.5	87.0	87.7	80.6
	MB 410-673310/1-A	111	111	126	106	109	105	103	128
	MB 410-674050/1-A	65.6	67.4	59.9	63.0	60.7	60.5	55.2	60.0
	LCS 410-673310/2-A	111	117	118	108	102	101	97.3	118
	LCS 410-674050/2-A	84.4	96.4	88.6	91.0	90.8	86.2	83.5	88.1
	LLCS 410-673310/3-A	115	123	120	122	114	119	113	124
	LLCS 410-674050/3-A	57.3	63.6	54.3	56.5	53.8	55.6	54.9	52.9
SB1-7'-8' MS	480-231006-4 MS	76.9	85.2	74.9	82.8	76.1	79.3	78.7	73.5
SB1-7'-8' MSD	480-231006-4 MSD	83.3	93.5	84.6	91.9	84.8	86.9	89.1	83.3

	QC LIMITS
PFBA = 13C4 PFBA	8-130
PFPeA = 13C5 PFPeA	35-130
M242FTS = 13C2 4:2 FTS	40-165
13C5PHA = 13C5 PFHxA	40-130
C3PFBS = 13C3 PFBS	40-135
HFPODA = 13C3 HFPO-DA	40-130
C4PFHA = 13C4 PFHpA	40-130
M262FTS = 13C2 6:2 FTS	40-215

Column to be used to flag recovery values

FORM II 1633A

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Gemini C18 ID: 3 (mm)

Client Sample ID	Lab Sample ID	C8PFOA #	C3PFHS #	C9PFNA #	M282FTS #	d3NMFOS #	C6PFDA #	d5NEFOS #	C8PFOS #
SB1-12"-18"	480-231006-1	119	93.8	107	94.8	92.6	101	89.7	91.4
SB1-18"-30"	480-231006-2	92.3	83.1	91.0	75.0	78.3	82.3	69.5	76.8
SB1-12'-48"	480-231006-3	111	92.6	99.5	93.6	95.2	95.1	93.6	83.5
SB1-7'-8'	480-231006-4	75.7	75.5	76.6	67.4	73.0	72.6	66.9	69.3
SB1-5'-8'	480-231006-5	112	101	100	97.8	97.6	106	97.3	100
SB2-12"-18"	480-231006-7	86.0	73.3	76.0	65.2	72.9	67.9	70.9	71.9
SB2-12"-18" DUP	480-231006-8	88.2	81.9	99.5	76.0	92.2	90.2	88.3	79.8
SB2-24"-36"	480-231006-11	85.8	81.0	86.3	75.3	93.4	87.0	91.5	80.6
SB2-12"-5'	480-231006-12	112	80.8	101	83.2	80.1	78.0	68.5	40.9
SB2-9'-10'	480-231006-13	93.1	83.7	91.3	77.4	94.9	86.2	90.1	83.4
	MB 410-673310/1-A	109	108	108	120	112	107	111	105
	MB 410-674050/1-A	58.3	66.1	66.5	62.7	69.7	63.6	73.4	69.9
	LCS 410-673310/2-A	107	101	106	110	109	97.2	104	102
	LCS 410-674050/2-A	82.6	85.9	94.0	83.4	86.2	81.0	83.7	85.0
	LLCS 410-673310/3-A	116	111	109	117	106	110	93.8	111
	LLCS 410-674050/3-A	52.2	56.1	55.3	54.7	64.3	56.5	61.7	60.5
SB1-7'-8' MS	480-231006-4 MS	75.2	76.7	77.7	72.6	78.0	79.5	73.7	77.8
SB1-7'-8' MSD	480-231006-4 MSD	87.9	83.4	87.4	75.0	85.7	83.1	80.8	77.9

	QC LIMITS
C8PFOA = 13C8 PFOA	40-130
C3PFHS = 13C3 PFHxS	40-130
C9PFNA = 13C9 PFNA	40-130
M282FTS = 13C2 8:2 FTS	40-275
d3NMFOS = d3-NMeFOSAA	40-135
C6PFDA = 13C6 PFDA	40-130
d5NEFOS = d5-NEtFOSAA	40-150
C8PFOS = 13C8 PFOS	40-130

Column to be used to flag recovery values

FORM II 1633A

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Gemini C18 ID: 3 (mm)

Client Sample ID	Lab Sample ID	13C7PUA #	PFDoA #	PFOSA #	PFTDA #	NMFM #	d3NMFSA #	NEFM #	d5NPFSA #
SB1-12"-18"	480-231006-1	103	106	83.5	107	68.5	80.4	60.7	85.8
SB1-18"-30"	480-231006-2	84.6	66.5	69.0	59.7	26.1	64.8	19.5	59.8
SB1-12'-48"	480-231006-3	105	95.2	85.5	98.4	60.4	76.6	58.0	81.3
SB1-7'-8'	480-231006-4	76.4	65.3	68.4	48.6	37.7	63.0	35.3	56.8
SB1-5'-8'	480-231006-5	111	102	95.5	90.5	54.3	84.0	48.7	81.8
SB2-12"-18"	480-231006-7	84.3	72.5	65.6	55.0	42.3	60.1	40.8	53.0
SB2-12"-18" DUP	480-231006-8	94.5	79.2	78.2	76.5	47.4	70.0	45.4	68.4
SB2-24"-36"	480-231006-11	90.5	79.2	76.4	70.4	50.4	70.0	43.7	64.0
SB2-12"-5'	480-231006-12	59.7	56.4	88.2	71.3	66.8	65.9	62.4	64.2
SB2-9'-10'	480-231006-13	88.0	79.3	82.9	66.2	37.1	78.3	32.8	76.1
	MB 410-673310/1-A	110	109	98.5	107	72.4	85.9	61.0	84.7
	MB 410-674050/1-A	77.2	79.0	58.5	69.9	36.2	49.0	38.0	53.6
	LCS 410-673310/2-A	106	94.1	98.0	104	73.5	75.8	64.1	79.4
	LCS 410-674050/2-A	90.7	80.8	79.0	74.8	44.0	62.4	39.9	56.4
	LLCS 410-673310/3-A	117	116	99.0	104	69.6	70.4	59.2	70.1
	LLCS 410-674050/3-A	70.8	62.0	50.7	59.7	46.0	47.0	42.0	46.3
SB1-7'-8' MS	480-231006-4 MS	83.6	79.6	67.1	68.4	36.1	63.7	31.3	54.7
SB1-7'-8' MSD	480-231006-4 MSD	77.9	74.1	77.3	69.7	49.3	73.9	41.3	60.1

	QC LIMITS
13C7PUA = 13C7 PFUnA	40-130
PFDoA = 13C2 PFDoA	40-130
PFOSA = 13C8 FOSA	40-130
PFTDA = 13C2 PFTeDA	20-130
NMFM = d7-N-MeFOSE-M	20-130
d3NMFSA = d3-NMePFOSA	10-130
NEFM = d9-N-EtFOSE-M	15-130
d5NPFSA = d5-NEtPFOSA	10-130

Column to be used to flag recovery values

FORM II 1633A

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Gemini C18 ID: 3 (mm)

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	M242FTS #	13C5PHA #	C3PFBS #	HFPODA #	C4PFHA #	M262FTS #
RINSATE	480-231006-6	104	103	108	98.4	116	100	96.0	105
	MB 410-671022/4-A	102	109	106	96.0	110	86.5	95.6	104
	LCS 410-671022/5-A	121	134 *5+	111	118	108	117	114	105
	LCSD 410-671022/6-A	115	125	109	115	108	109	111	104
	LLCS 410-671022/7-A	120	137 *5+	118	124	122	125	130	115

surrogate rec high, but no qual for QC samples

	QC LIMITS
PFBA = 13C4 PFBA	5-130
PFPeA = 13C5 PFPeA	40-130
M242FTS = 13C2 4:2 FTS	40-200
13C5PHA = 13C5 PFHxA	40-130
C3PFBS = 13C3 PFBS	40-135
HFPODA = 13C3 HFPO-DA	40-130
C4PFHA = 13C4 PFHpA	40-130
M262FTS = 13C2 6:2 FTS	40-200

Column to be used to flag recovery values

FORM II 1633A

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Gemini C18 ID: 3 (mm)

Client Sample ID	Lab Sample ID	C8PFOA #	C3PFHS #	C9PFNA #	M282FTS #	d3NMFOS #	C6PFDA #	d5NEFOS #	C8PFOS #
RINSATE	480-231006-6	104	111	105	106	85.0	94.7	85.9	108
	MB 410-671022/4-A	103	106	108	99.7	94.1	97.5	94.1	117
	LCS 410-671022/5-A	109	103	99.6	102	91.8	98.7	91.4	94.4
	LCSD 410-671022/6-A	111	104	107	98.5	98.4	96.0	96.1	103
	LLCS 410-671022/7-A	113	117	112	111	107	111	106	116
		✓	✓	✓	✓	✓	✓	✓	✓

	QC LIMITS
C8PFOA = 13C8 PFOA	40-130
C3PFHS = 13C3 PFHxS	40-130
C9PFNA = 13C9 PFNA	40-130
M282FTS = 13C2 8:2 FTS	40-300
d3NMFOS = d3-NMeFOSAA	40-170
C6PFDA = 13C6 PFDA	40-130
d5NEFOS = d5-NEtFOSAA	25-135
C8PFOS = 13C8 PFOS	40-130

Column to be used to flag recovery values

FORM II 1633A

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Gemini C18 ID: 3 (mm)

Client Sample ID	Lab Sample ID	13C7PUA #	PFDoA #	PFOSA #	PFTDA #	NMFM #	d3NMFSA #	NEFM #	d5NPFSA #
RINSATE	480-231006-6	91.4	78.6	95.9	82.7	72.9	71.2	67.9	82.8
	MB 410-671022/4-A	97.4	81.9	111	91.1	85.7	83.6	79.7	92.0
	LCS 410-671022/5-A	122	113	94.6	109	79.6	71.7	72.1	76.3
	LCSD 410-671022/6-A	130	113	93.2	114	75.6	72.2	71.6	77.1
	LLCS 410-671022/7-A	116	119	102	119	84.2	75.5	73.4	83.7
		✓	✓	✓	✓	✓	✓	✓	✓

	QC LIMITS
13C7PUA = 13C7 PFUnA	30-130
PFDoA = 13C2 PFDoA	10-130
PFOSA = 13C8 FOSA	40-130
PFTDA = 13C2 PFTeDA	10-130
NMFM = d7-N-MeFOSE-M	10-130
d3NMFSA = d3-NMePFOSA	10-130
NEFM = d9-N-EtFOSE-M	10-130
d5NPFSA = d5-NEtPFOSA	10-130

Column to be used to flag recovery values

FORM II 1633A

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25Jul15S-08.d

Lab ID: LCS 410-671022/5-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	80.0	71.8	90	70-140	
Perfluoropentanoic acid (PFPeA)	40.0	34.2	85	65-135	
Perfluorohexanoic acid (PFHxA)	40.0	36.8	92	70-145	
Perfluoroheptanoic acid (PFHpA)	40.0	36.0	90	70-150	
Perfluorooctanoic acid (PFOA)	40.0	33.8	85	70-150	
Perfluorononanoic acid (PFNA)	40.0	35.8	89	70-150	
Perfluorodecanoic acid (PFDA)	40.0	36.6	91	70-140	
Perfluoroundecanoic acid (PFUnA)	40.0	35.0	88	70-145	
Perfluorododecanoic acid (PFDoA)	40.0	35.3	88	70-140	
Perfluorotridecanoic acid (PFTrDA)	40.0	36.2	91	65-140	
Perfluorotetradecanoic acid (PFTeDA)	40.0	33.2	83	60-140	
Perfluorobutanesulfonic acid (PFBS)	35.5	30.6	86	60-145	
Perfluoropentanesulfonic acid (PFPeS)	37.6	35.0	93	65-140	
Perfluorohexanesulfonic acid (PFHxS)	36.5	33.5	92	65-145	
Perfluoroheptanesulfonic acid (PFHpS)	38.2	35.1	92	70-150	
Perfluorooctanesulfonic acid (PFOS)	37.2	34.8	93	55-150	
Perfluorononanesulfonic acid (PFNS)	38.5	35.1	91	65-145	
Perfluorodecanesulfonic acid (PFDS)	38.6	34.5	90	60-145	
Perfluorododecanesulfonic acid (PFDoS)	38.8	31.8	82	50-145	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	70.3	94	70-145	
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	74.5	98	65-155	
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	71.3	93	60-150	
Perfluorooctanesulfonamide (PFOSA)	40.0	34.8	87	70-145	

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25Jul15S-08.d

Lab ID: LCS 410-671022/5-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	37.8	95	60-150	
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	35.1	88	65-145	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	37.4	94	50-140	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	37.6	94	70-145	
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	185	92	70-145	
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	190	95	70-135	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.0	26.1	87	70-140	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	33.9	90	65-145	
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	38.3	96	55-140	
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	34.8	87	60-150	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	40.7	102	50-150	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	37.4	31.9	85	70-155	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	37.8	33.3	88	55-160	
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	35.7	32.6	91	70-140	
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	66.6	83	65-130	
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	162	81	70-135	
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	143	71	50-145	
13C4 PFBA	80.0	97.0	121	5-130	
13C5 PFPeA	80.0	107	134	40-130	*5+
13C5 PFHxA	80.0	94.8	118	40-130	
13C4 PFHpA	80.0	91.1	114	40-130	
13C8 PFOA	80.0	87.5	109	40-130	
13C9 PFNA	80.0	79.7	99.6	40-130	
13C6 PFDA	80.0	78.9	98.7	40-130	

EIS %rec high, but no qual for QC samples - all LCS %R met criteria

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25Jul15S-08.d

Lab ID: LCS 410-671022/5-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
13C7 PFUnA	80.0	97.6	122	30-130	
13C2 PFTeDA	80.0	87.4	109	10-130	
13C3 PFBS	74.6	80.4	108	40-135	
13C3 PFHxS	75.8	77.8	103	40-130	
13C8 PFOS	76.6	72.3	94.4	40-130	
13C8 FOSA	80.0	75.7	94.6	40-130	
d3-NMeFOSAA	200	184	91.8	40-170	
d5-NEtFOSAA	200	183	91.4	25-135	
13C2 4:2 FTS	188	208	111	40-200	
13C2 6:2 FTS	190	201	105	40-200	
13C2 8:2 FTS	192	195	102	40-300	
13C3 HFPO-DA	80.0	93.9	117	40-130	
d7-N-MeFOSE-M	200	159	79.6	10-130	
d9-N-EtFOSE-M	200	144	72.1	10-130	
d5-NEtPFOSA	80.0	61.1	76.3	10-130	
d3-NMePFOSA	80.0	57.4	71.7	10-130	
13C2 PFDoA	80.0	90.2	113	10-130	

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 25Jul21-5400.d

Lab ID: LCS 410-673310/2-A Client ID:

COMPOUND	SPIKE ADDED (ng/g)	LCS CONCENTRATION (ng/g)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	5.00	4.08	82	70-140	
Perfluoropentanoic acid (PFPeA)	2.50	1.86	74	60-150	
Perfluorohexanoic acid (PFHxA)	2.50	1.96	78	65-140	
Perfluoroheptanoic acid (PFHpA)	2.50	1.96	78	65-145	
Perfluorooctanoic acid (PFOA)	2.50	1.79	72	70-150	
Perfluorononanoic acid (PFNA)	2.50	1.99	80	70-155	
Perfluorodecanoic acid (PFDA)	2.50	2.08	83	70-155	
Perfluoroundecanoic acid (PFUnA)	2.50	1.95	78	70-155	
Perfluorododecanoic acid (PFDoA)	2.50	2.09	84	70-150	
Perfluorotridecanoic acid (PFTrDA)	2.50	1.92	77	65-150	
Perfluorotetradecanoic acid (PFTeDA)	2.50	1.79	72	65-150	
Perfluorobutanesulfonic acid (PFBS)	2.22	1.65	74	65-145	
Perfluoropentanesulfonic acid (PFPeS)	2.35	1.95	83	55-160	
Perfluorohexanesulfonic acid (PFHxS)	2.28	1.74	76	60-150	
Perfluoroheptanesulfonic acid (PFHpS)	2.39	1.82	76	65-155	
Perfluorooctanesulfonic acid (PFOS)	2.33	1.79	77	65-160	
Perfluorononanesulfonic acid (PFNS)	2.41	1.75	73	55-140	
Perfluorodecanesulfonic acid (PFDS)	2.41	1.81	75	40-155	
Perfluorododecanesulfonic acid (PFDoS)	2.43	1.62	67	25-160	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.69	4.10	87	60-150	
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.76	4.19	88	55-200	
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.80	4.13	86	70-150	
Perfluorooctanesulfonamide (PFOSA)	2.50	2.18	87	70-140	

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 25Jul21-5400.d

Lab ID: LCS 410-673310/2-A Client ID:

COMPOUND	SPIKE ADDED (ng/g)	LCS CONCENTRATION (ng/g)	LCS % REC	QC LIMITS REC	#
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	1.98	79	70-155	
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	1.83	73	70-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	1.86	74	65-155	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	2.51	100	65-165	
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.5	11.0	88	70-140	
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.5	11.3	91	70-135	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.88	1.59	85	70-145	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.37	1.90	81	70-160	
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.50	1.82	73	30-140	
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.50	1.74	69	60-150	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.50	1.87	75	60-155	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	2.34	1.66	71	70-150	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	2.36	1.73	73	45-160	
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.23	1.83	82	70-140	
3-Perfluoropropylpropanoic acid (3:3 FTCA)	5.00	3.85	77	45-130	
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.5	9.00	72	60-130	
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.5	8.09	65	60-150	
13C4 PFBA	5.00	5.53	111	8-130	
13C5 PFPeA	5.00	5.83	117	35-130	
13C5 PFHxA	5.00	5.39	108	40-130	
13C4 PFHpA	5.00	4.87	97.3	40-130	
13C8 PFOA	5.00	5.35	107	40-130	
13C9 PFNA	5.00	5.31	106	40-130	
13C6 PFDA	5.00	4.86	97.2	40-130	

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 25Jul21-5400.d

Lab ID: LCS 410-673310/2-A Client ID:

COMPOUND	SPIKE ADDED (ng/g)	LCS CONCENTRATION (ng/g)	LCS % REC	QC LIMITS REC	#
13C7 PFUnA	5.00	5.30	106	40-130	
13C2 PFTeDA	5.00	5.20	104	20-130	
13C3 PFBS	4.66	4.77	102	40-135	
13C3 PFHxS	4.74	4.80	101	40-130	
13C8 PFOS	4.79	4.90	102	40-130	
13C8 FOSA	5.00	4.90	98.0	40-130	
d3-NMeFOSAA	12.5	13.6	109	40-135	
d5-NEtFOSAA	12.5	13.1	104	40-150	
13C2 4:2 FTS	11.7	13.8	118	40-165	
13C2 6:2 FTS	11.9	14.0	118	40-215	
13C2 8:2 FTS	12.0	13.2	110	40-275	
13C3 HFPO-DA	5.00	5.06	101	40-130	
d7-N-MeFOSE-M	12.5	9.19	73.5	20-130	
d9-N-EtFOSE-M	12.5	8.01	64.1	15-130	
d5-NEtPFOSA	5.00	3.97	79.4	10-130	
d3-NMePFOSA	5.00	3.79	75.8	10-130	
13C2 PFDoA	5.00	4.71	94.1	40-130	

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 25JUL24-39.d

Lab ID: LCS 410-674050/2-A Client ID:

COMPOUND	SPIKE ADDED (ng/g)	LCS CONCENTRATION (ng/g)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	5.00	5.02	100	70-140	
Perfluoropentanoic acid (PFPeA)	2.50	2.04	82	60-150	
Perfluorohexanoic acid (PFHxA)	2.50	2.19	88	65-140	
Perfluoroheptanoic acid (PFHpA)	2.50	2.42	97	65-145	
Perfluorooctanoic acid (PFOA)	2.50	2.38	95	70-150	
Perfluorononanoic acid (PFNA)	2.50	2.07	83	70-155	
Perfluorodecanoic acid (PFDA)	2.50	2.29	92	70-155	
Perfluoroundecanoic acid (PFUnA)	2.50	2.23	89	70-155	
Perfluorododecanoic acid (PFDoA)	2.50	2.29	91	70-150	
Perfluorotridecanoic acid (PFTrDA)	2.50	2.27	91	65-150	
Perfluorotetradecanoic acid (PFTeDA)	2.50	2.23	89	65-150	
Perfluorobutanesulfonic acid (PFBS)	2.22	1.85	83	65-145	
Perfluoropentanesulfonic acid (PFPeS)	2.35	2.13	91	55-160	
Perfluorohexanesulfonic acid (PFHxS)	2.28	1.86	81	60-150	
Perfluoroheptanesulfonic acid (PFHpS)	2.39	2.02	85	65-155	
Perfluorooctanesulfonic acid (PFOS)	2.33	1.90	82	65-160	
Perfluorononanesulfonic acid (PFNS)	2.41	1.96	82	55-140	
Perfluorodecanesulfonic acid (PFDS)	2.41	1.75	73	40-155	
Perfluorododecanesulfonic acid (PFDoS)	2.43	1.51	62	25-160	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.69	4.46	95	60-150	
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.76	4.71	99	55-200	
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.80	4.66	97	70-150	
Perfluorooctanesulfonamide (PFOSA)	2.50	2.50	100	70-140	

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 25JUL24-39.d

Lab ID: LCS 410-674050/2-A Client ID:

COMPOUND	SPIKE ADDED (ng/g)	LCS CONCENTRATION (ng/g)	LCS % REC	QC LIMITS REC	#
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	2.21	88	70-155	
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	2.31	92	70-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	1.97	79	65-155	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	2.30	92	65-165	
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.5	12.7	102	70-140	
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.5	12.2	97	70-135	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.88	1.83	98	70-145	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.37	2.13	90	70-160	
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.50	2.38	95	30-140	
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.50	2.10	84	60-150	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.50	2.19	88	60-155	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	2.34	1.76	75	70-150	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	2.36	1.79	76	45-160	
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.23	1.83	82	70-140	
3-Perfluoropropylpropanoic acid (3:3 FTCA)	5.00	4.24	85	45-130	
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.5	10.2	82	60-130	
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.5	9.10	73	60-150	
13C4 PFBA	5.00	4.22	84.4	8-130	
13C5 PFPeA	5.00	4.82	96.4	35-130	
13C5 PFHxA	5.00	4.55	91.0	40-130	
13C4 PFHpA	5.00	4.17	83.5	40-130	
13C8 PFOA	5.00	4.13	82.6	40-130	
13C9 PFNA	5.00	4.70	94.0	40-130	
13C6 PFDA	5.00	4.05	81.0	40-130	

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 25JUL24-39.d

Lab ID: LCS 410-674050/2-A Client ID:

COMPOUND	SPIKE ADDED (ng/g)	LCS CONCENTRATION (ng/g)	LCS % REC	QC LIMITS REC	#
13C7 PFUnA	5.00	4.54	90.7	40-130	
13C2 PFTeDA	5.00	3.74	74.8	20-130	
13C3 PFBS	4.66	4.23	90.8	40-135	
13C3 PFHxS	4.74	4.07	85.9	40-130	
13C8 PFOS	4.79	4.07	85.0	40-130	
13C8 FOSA	5.00	3.95	79.0	40-130	
d3-NMeFOSAA	12.5	10.8	86.2	40-135	
d5-NEtFOSAA	12.5	10.5	83.7	40-150	
13C2 4:2 FTS	11.7	10.4	88.6	40-165	
13C2 6:2 FTS	11.9	10.5	88.1	40-215	
13C2 8:2 FTS	12.0	10.0	83.4	40-275	
13C3 HFPO-DA	5.00	4.31	86.2	40-130	
d7-N-MeFOSE-M	12.5	5.50	44.0	20-130	
d9-N-EtFOSE-M	12.5	4.99	39.9	15-130	
d5-NEtPFOSA	5.00	2.82	56.4	10-130	
d3-NMePFOSA	5.00	3.12	62.4	10-130	
13C2 PFDoA	5.00	4.04	80.8	40-130	

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25Jul15S-09.d

Lab ID: LCSD 410-671022/6-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCSD CONCENTRATION (ng/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	80.0	62.6	78	14	30	70-140	
Perfluoropentanoic acid (PFPeA)	40.0	30.9	77	10	30	65-135	
Perfluorohexanoic acid (PFHxA)	40.0	30.0	75	20	30	70-145	
Perfluoroheptanoic acid (PFHpA)	40.0	31.3	78	14	30	70-150	
Perfluorooctanoic acid (PFOA)	40.0	29.3	73	14	30	70-150	
Perfluorononanoic acid (PFNA)	40.0	31.9	80	11	30	70-150	
Perfluorodecanoic acid (PFDA)	40.0	34.9	87	5	30	70-140	
Perfluoroundecanoic acid (PFUnA)	40.0	31.8	79	10	30	70-145	
Perfluorododecanoic acid (PFDoA)	40.0	31.8	79	10	30	70-140	
Perfluorotridecanoic acid (PFTrDA)	40.0	30.6	76	17	30	65-140	
Perfluorotetradecanoic acid (PFTeDA)	40.0	30.8	77	8	30	60-140	
Perfluorobutanesulfonic acid (PFBS)	35.5	27.9	79	9	30	60-145	
Perfluoropentanesulfonic acid (PFPeS)	37.6	30.6	81	14	30	65-140	
Perfluorohexanesulfonic acid (PFHxS)	36.5	29.1	80	14	30	65-145	
Perfluoroheptanesulfonic acid (PFHpS)	38.2	31.4	82	11	30	70-150	
Perfluorooctanesulfonic acid (PFOS)	37.2	29.5	79	16	30	55-150	
Perfluorononanesulfonic acid (PFNS)	38.5	29.9	78	16	30	65-145	
Perfluorodecanesulfonic acid (PFDS)	38.6	30.2	78	13	30	60-145	
Perfluorododecanesulfonic acid (PFDoS)	38.8	28.9	74	10	30	50-145	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	61.8	82	13	30	70-145	
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	67.3	88	10	30	65-155	
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	66.9	87	6	30	60-150	
Perfluorooctanesulfonamide (PFOSA)	40.0	31.6	79	9	30	70-145	

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25Jul15S-09.d

Lab ID: LCSD 410-671022/6-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCSD CONCENTRATION (ng/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	38.6	96	2	30	60-150	
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	32.6	82	7	30	65-145	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	32.4	81	14	30	50-140	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	32.8	82	14	30	70-145	
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	173	86	6	30	70-145	
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	171	86	10	30	70-135	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.0	24.9	83	4	30	70-140	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	31.8	84	6	30	65-145	
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	32.6	81	16	30	55-140	
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	30.2	76	14	30	60-150	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	33.2	83	20	30	50-150	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	37.4	27.3	73	15	30	70-155	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	37.8	29.1	77	14	30	55-160	
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	35.7	30.4	85	7	30	70-140	
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	59.3	74	12	30	65-130	
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	141	70	14	30	70-135	
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	131	65	9	30	50-145	
13C4 PFBA	80.0	91.8	115			5-130	
13C5 PFPeA	80.0	100	125			40-130	
13C5 PFHxA	80.0	92.1	115			40-130	
13C4 PFHpA	80.0	89.1	111			40-130	
13C8 PFOA	80.0	88.8	111			40-130	
13C9 PFNA	80.0	85.6	107			40-130	
13C6 PFDA	80.0	76.8	96.0			40-130	

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25Jul15S-09.d

Lab ID: LCSD 410-671022/6-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCSD CONCENTRATION (ng/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
13C7 PFUnA	80.0	104	130			30-130	
13C2 PFTeDA	80.0	91.2	114			10-130	
13C3 PFBS	74.6	80.7	108			40-135	
13C3 PFHxS	75.8	79.1	104			40-130	
13C8 PFOS	76.6	79.0	103			40-130	
13C8 FOSA	80.0	74.5	93.2			40-130	
d3-NMeFOSAA	200	197	98.4			40-170	
d5-NEtFOSAA	200	192	96.1			25-135	
13C2 4:2 FTS	188	205	109			40-200	
13C2 6:2 FTS	190	199	104			40-200	
13C2 8:2 FTS	192	189	98.5			40-300	
13C3 HFPO-DA	80.0	86.9	109			40-130	
d7-N-MeFOSE-M	200	151	75.6			10-130	
d9-N-EtFOSE-M	200	143	71.6			10-130	
d5-NEtPFOSA	80.0	61.6	77.1			10-130	
d3-NMePFOSA	80.0	57.8	72.2			10-130	
13C2 PFDoA	80.0	90.4	113			10-130	

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS LOW LEVEL CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25Jul15S-10.d

Lab ID: LLCS 410-671022/7-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LLCS CONCENTRATION (ng/L)	LLCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	8.00	7.05	88	70-140	
Perfluoropentanoic acid (PFPeA)	4.00	3.78	94	65-135	
Perfluorohexanoic acid (PFHxA)	4.00	3.79	95	70-145	
Perfluoroheptanoic acid (PFHpA)	4.00	3.37	84	70-150	
Perfluorooctanoic acid (PFOA)	4.00	4.21	105	70-150	
Perfluorononanoic acid (PFNA)	4.00	4.06	102	70-150	
Perfluorodecanoic acid (PFDA)	4.00	3.14	79	70-140	
Perfluoroundecanoic acid (PFUnA)	4.00	3.67	92	70-145	
Perfluorododecanoic acid (PFDoA)	4.00	3.56	89	70-140	
Perfluorotridecanoic acid (PFTrDA)	4.00	3.66	92	65-140	
Perfluorotetradecanoic acid (PFTeDA)	4.00	3.95	99	60-140	
Perfluorobutanesulfonic acid (PFBS)	3.55	3.36	95	60-145	
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.77	100	65-140	
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.40	93	65-145	
Perfluoroheptanesulfonic acid (PFHpS)	3.82	3.66	96	70-150	
Perfluorooctanesulfonic acid (PFOS)	3.72	4.06	109	55-150	
Perfluorononanesulfonic acid (PFNS)	3.85	3.61	94	65-145	
Perfluorodecanesulfonic acid (PFDS)	3.86	3.22	83	60-145	
Perfluorododecanesulfonic acid (PFDoS)	3.88	3.23	83	50-145	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	6.97	93	70-145	
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	7.45	98	65-155	
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	7.03	92	60-150	
Perfluorooctanesulfonamide (PFOSA)	4.00	4.04	101	70-145	

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS LOW LEVEL CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25Jul15S-10.d

Lab ID: LLCS 410-671022/7-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LLCS CONCENTRATION (ng/L)	LLCS % REC	QC LIMITS REC	#
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	3.76	94	60-150	
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	3.27	82	65-145	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	3.48	87	50-140	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	3.34	84	70-145	
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	18.1	91	70-145	
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	19.5	98	70-135	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.00	2.67	89	70-140	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.43	91	65-145	
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	3.58	89	55-140	
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.47	87	60-150	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	3.87	97	50-150	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	3.74	3.49	93	70-155	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	3.78	3.31	88	55-160	
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.57	3.37	94	70-140	
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	6.43	80	65-130	
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	16.1	81	70-135	
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	13.9	69	50-145	
13C4 PFBA	80.0	96.0	120	5-130	
13C5 PFPeA	80.0	110	137	40-130	*5+
13C5 PFHxA	80.0	99.5	124	40-130	
13C4 PFHpA	80.0	104	130	40-130	
13C8 PFOA	80.0	90.3	113	40-130	
13C9 PFNA	80.0	89.4	112	40-130	
13C6 PFDA	80.0	88.9	111	40-130	

Column to be used to flag recovery and RPD values

EIS rec high, but no qual for QC samples, all LLCS %R okay

FORM III 1633A

FORM III
PFAS LOW LEVEL CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25Jul15S-10.d

Lab ID: LLCS 410-671022/7-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LLCS CONCENTRATION (ng/L)	LLCS % REC	QC LIMITS REC	#
13C7 PFUnA	80.0	93.1	116	30-130	
13C2 PFTeDA	80.0	95.4	119	10-130	
13C3 PFBS	74.6	91.3	122	40-135	
13C3 PFHxS	75.8	88.6	117	40-130	
13C8 PFOS	76.6	88.9	116	40-130	
13C8 FOSA	80.0	81.5	102	40-130	
d3-NMeFOSAA	200	215	107	40-170	
d5-NEtFOSAA	200	213	106	25-135	
13C2 4:2 FTS	188	221	118	40-200	
13C2 6:2 FTS	190	218	115	40-200	
13C2 8:2 FTS	192	213	111	40-300	
13C3 HFPO-DA	80.0	99.6	125	40-130	
d7-N-MeFOSE-M	200	168	84.2	10-130	
d9-N-EtFOSE-M	200	147	73.4	10-130	
d5-NEtPFOSA	80.0	67.0	83.7	10-130	
d3-NMePFOSA	80.0	60.4	75.5	10-130	
13C2 PFDoA	80.0	95.0	119	10-130	



Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS LOW LEVEL CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 25Jul18S-51.d

Lab ID: LLCS 410-673310/3-A Client ID:

COMPOUND	SPIKE ADDED (ng/g)	LLCS CONCENTRATION (ng/g)	LLCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	0.500	0.479	96	70-140	
Perfluoropentanoic acid (PFPeA)	0.250	0.232	93	60-150	
Perfluorohexanoic acid (PFHxA)	0.250	0.233	93	65-140	
Perfluoroheptanoic acid (PFHpA)	0.250	0.233	93	65-145	
Perfluorooctanoic acid (PFOA)	0.250	0.215	86	70-150	
Perfluorononanoic acid (PFNA)	0.250	0.252	101	70-155	
Perfluorodecanoic acid (PFDA)	0.250	0.237	95	70-155	
Perfluoroundecanoic acid (PFUnA)	0.250	0.216	86	70-155	
Perfluorododecanoic acid (PFDoA)	0.250	0.244	98	70-150	
Perfluorotridecanoic acid (PFTrDA)	0.250	0.214	86	65-150	
Perfluorotetradecanoic acid (PFTeDA)	0.250	0.250	100	65-150	
Perfluorobutanesulfonic acid (PFBS)	0.222	0.208	94	65-145	
Perfluoropentanesulfonic acid (PFPeS)	0.235	0.246	105	55-160	
Perfluorohexanesulfonic acid (PFHxS)	0.228	0.216	95	60-150	
Perfluoroheptanesulfonic acid (PFHpS)	0.239	0.226	95	65-155	
Perfluorooctanesulfonic acid (PFOS)	0.233	0.232	100	65-160	
Perfluorononanesulfonic acid (PFNS)	0.241	0.224	93	55-140	
Perfluorodecanesulfonic acid (PFDS)	0.241	0.207	86	40-155	
Perfluorododecanesulfonic acid (PFDoS)	0.243	0.181 J	75	25-160	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.477	102	60-150	
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.452	95	55-200	
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.439	91	70-150	
Perfluorooctanesulfonamide (PFOSA)	0.250	0.261	104	70-140	

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS LOW LEVEL CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 25Jul18S-51.d

Lab ID: LLCS 410-673310/3-A Client ID:

COMPOUND	SPIKE ADDED (ng/g)	LLCS CONCENTRATION (ng/g)	LLCS % REC	QC LIMITS REC	#
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.250	0.263	105	70-155	
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.250	0.223	89	70-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.250	0.221	88	65-155	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.250	0.241	96	65-165	
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.31	105	70-140	
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.27	101	70-135	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.188	0.164 J	88	70-145	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.237	0.217	92	70-160	
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.234	94	30-140	
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.227	91	60-150	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.241	96	60-155	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	0.234	0.210	90	70-150	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	0.236	0.198 J	84	45-160	
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.223	0.197 J	88	70-140	
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.500	0.458	92	45-130	
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.25	1.01	81	60-130	
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.25	0.859 J	69	60-150	
13C4 PFBA	5.00	5.75	115	8-130	
13C5 PFPeA	5.00	6.15	123	35-130	
13C5 PFHxA	5.00	6.12	122	40-130	
13C4 PFHpA	5.00	5.65	113	40-130	
13C8 PFOA	5.00	5.80	116	40-130	
13C9 PFNA	5.00	5.46	109	40-130	
13C6 PFDA	5.00	5.48	110	40-130	

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS LOW LEVEL CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 25Jul18S-51.d

Lab ID: LLCS 410-673310/3-A Client ID:

COMPOUND	SPIKE ADDED (ng/g)	LLCS CONCENTRATION (ng/g)	LLCS % REC	QC LIMITS REC	#
13C7 PFUnA	5.00	5.87	117	40-130	
13C2 PFTeDA	5.00	5.22	104	20-130	
13C3 PFBS	4.66	5.33	114	40-135	
13C3 PFHxS	4.74	5.24	111	40-130	
13C8 PFOS	4.79	5.32	111	40-130	
13C8 FOSA	5.00	4.95	99.0	40-130	
d3-NMeFOSAA	12.5	13.3	106	40-135	
d5-NEtFOSAA	12.5	11.7	93.8	40-150	
13C2 4:2 FTS	11.7	14.1	120	40-165	
13C2 6:2 FTS	11.9	14.8	124	40-215	
13C2 8:2 FTS	12.0	14.1	117	40-275	
13C3 HFPO-DA	5.00	5.93	119	40-130	
d7-N-MeFOSE-M	12.5	8.70	69.6	20-130	
d9-N-EtFOSE-M	12.5	7.40	59.2	15-130	
d5-NEtPFOSA	5.00	3.50	70.1	10-130	
d3-NMePFOSA	5.00	3.52	70.4	10-130	
13C2 PFDoA	5.00	5.80	116	40-130	

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS LOW LEVEL CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 25JUL24-40.d

Lab ID: LLCS 410-674050/3-A Client ID:

COMPOUND	SPIKE ADDED (ng/g)	LLCS CONCENTRATION (ng/g)	LLCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	0.500	0.508	102	70-140	
Perfluoropentanoic acid (PFPeA)	0.250	0.232	93	60-150	
Perfluorohexanoic acid (PFHxA)	0.250	0.286	114	65-140	
Perfluoroheptanoic acid (PFHpA)	0.250	0.259	103	65-145	
Perfluorooctanoic acid (PFOA)	0.250	0.256	103	70-150	
Perfluorononanoic acid (PFNA)	0.250	0.221	88	70-155	
Perfluorodecanoic acid (PFDA)	0.250	0.241	96	70-155	
Perfluoroundecanoic acid (PFUnA)	0.250	0.223	89	70-155	
Perfluorododecanoic acid (PFDoA)	0.250	0.252	101	70-150	
Perfluorotridecanoic acid (PFTrDA)	0.250	0.270	108	65-150	
Perfluorotetradecanoic acid (PFTeDA)	0.250	0.202	81	65-150	
Perfluorobutanesulfonic acid (PFBS)	0.222	0.215	97	65-145	
Perfluoropentanesulfonic acid (PFPeS)	0.235	0.206	88	55-160	
Perfluorohexanesulfonic acid (PFHxS)	0.228	0.228	100	60-150	
Perfluoroheptanesulfonic acid (PFHpS)	0.239	0.207	87	65-155	
Perfluorooctanesulfonic acid (PFOS)	0.233	0.225	97	65-160	
Perfluorononanesulfonic acid (PFNS)	0.241	0.205	85	55-140	
Perfluorodecanesulfonic acid (PFDS)	0.241	0.198 J	82	40-155	
Perfluorododecanesulfonic acid (PFDoS)	0.243	0.171 J	71	25-160	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.455	97	60-150	
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.452	95	55-200	
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.460	96	70-150	
Perfluorooctanesulfonamide (PFOSA)	0.250	0.260	104	70-140	

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS LOW LEVEL CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 25JUL24-40.d

Lab ID: LLCS 410-674050/3-A Client ID:

COMPOUND	SPIKE ADDED (ng/g)	LLCS CONCENTRATION (ng/g)	LLCS % REC	QC LIMITS REC	#
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.250	0.202	81	70-155	
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.250	0.237	95	70-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.250	0.208	83	65-155	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.250	0.249	100	65-165	
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.14	91	70-140	
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.14	91	70-135	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.188	0.187 J	100	70-145	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.237	0.227	96	70-160	
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.233	93	30-140	
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.228	91	60-150	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.243	97	60-155	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	0.234	0.211	90	70-150	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	0.236	0.206	87	45-160	
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.223	0.192 J	86	70-140	
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.500	0.362 J	72	45-130	
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.25	0.968 J	77	60-130	
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.25	1.02	81	60-150	
13C4 PFBA	5.00	2.86	57.3	8-130	
13C5 PFPeA	5.00	3.18	63.6	35-130	
13C5 PFHxA	5.00	2.83	56.5	40-130	
13C4 PFHpA	5.00	2.75	54.9	40-130	
13C8 PFOA	5.00	2.61	52.2	40-130	
13C9 PFNA	5.00	2.76	55.3	40-130	
13C6 PFDA	5.00	2.82	56.5	40-130	

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS LOW LEVEL CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 25JUL24-40.d

Lab ID: LLCS 410-674050/3-A Client ID:

COMPOUND	SPIKE ADDED (ng/g)	LLCS CONCENTRATION (ng/g)	LLCS % REC	QC LIMITS REC	#
13C7 PFUnA	5.00	3.54	70.8	40-130	
13C2 PFTeDA	5.00	2.99	59.7	20-130	
13C3 PFBS	4.66	2.51	53.8	40-135	
13C3 PFHxS	4.74	2.66	56.1	40-130	
13C8 PFOS	4.79	2.90	60.5	40-130	
13C8 FOSA	5.00	2.53	50.7	40-130	
d3-NMeFOSAA	12.5	8.04	64.3	40-135	
d5-NEtFOSAA	12.5	7.71	61.7	40-150	
13C2 4:2 FTS	11.7	6.36	54.3	40-165	
13C2 6:2 FTS	11.9	6.30	52.9	40-215	
13C2 8:2 FTS	12.0	6.56	54.7	40-275	
13C3 HFPO-DA	5.00	2.78	55.6	40-130	
d7-N-MeFOSE-M	12.5	5.75	46.0	20-130	
d9-N-EtFOSE-M	12.5	5.25	42.0	15-130	
d5-NEtPFOSA	5.00	2.32	46.3	10-130	
d3-NMePFOSA	5.00	2.35	47.0	10-130	
13C2 PFDoA	5.00	3.10	62.0	40-130	



Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 25JUL24-55.d

Lab ID: 480-231006-4 MS Client ID: SB1-7'-8' MS

COMPOUND	SPIKE ADDED (ng/g)	SAMPLE CONCENTRATION (ng/g)	MS CONCENTRATION (ng/g)	MS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	4.89	ND	5.06	103	70-140	
Perfluoropentanoic acid (PFPeA)	2.45	ND	2.10	86	60-150	
Perfluorohexanoic acid (PFHxA)	2.45	ND	2.17	89	65-140	
Perfluoroheptanoic acid (PFHpA)	2.45	ND	2.27	93	65-145	
Perfluorooctanoic acid (PFOA)	2.45	ND	2.28	93	70-150	
Perfluorononanoic acid (PFNA)	2.45	ND	2.32	95	70-155	
Perfluorodecanoic acid (PFDA)	2.45	ND	1.96	80	70-155	
Perfluoroundecanoic acid (PFUnA)	2.45	ND	2.33	95	70-155	
Perfluorododecanoic acid (PFDoA)	2.45	ND	2.19	90	70-150	
Perfluorotridecanoic acid (PFTrDA)	2.45	ND	2.33	95	65-150	
Perfluorotetradecanoic acid (PFTeDA)	2.45	ND	2.01	82	65-150	
Perfluorobutanesulfonic acid (PFBS)	2.17	ND	2.04	94	65-145	
Perfluoropentanesulfonic acid (PFPeS)	2.30	ND	2.09	91	55-160	
Perfluorohexanesulfonic acid (PFHxS)	2.23	ND	1.91	85	60-150	
Perfluoroheptanesulfonic acid (PFHpS)	2.33	ND	1.99	85	65-155	
Perfluorooctanesulfonic acid (PFOS)	2.28	1.3	3.56	99	65-160	
Perfluorononanesulfonic acid (PFNS)	2.35	ND	1.85	78	55-140	
Perfluorodecanesulfonic acid (PFDS)	2.36	ND	1.63	69	40-155	
Perfluorododecanesulfonic acid (PFDoS)	2.37	ND	1.32	56	25-160	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.59	ND	4.48	98	60-150	
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.66	ND	4.66	100	55-200	
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.70	ND	4.45	95	70-150	
Perfluorooctanesulfonamide (PFOSA)	2.45	ND	2.46	101	70-140	

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 25JUL24-55.d

Lab ID: 480-231006-4 MS Client ID: SB1-7'-8' MS

COMPOUND	SPIKE ADDED (ng/g)	SAMPLE CONCENTRATION (ng/g)	MS CONCENTRATION (ng/g)	MS % REC	QC LIMITS REC	#
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.45	ND	2.19	89	70-155	
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.45	ND	2.31	94	70-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.45	ND	1.98	81	65-155	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.45	ND	2.31	95	65-165	
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.2	ND	12.5	102	70-140	
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.2	ND	11.9	97	70-135	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.83	ND	1.83	100	70-145	I
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.31	ND	2.11	91	70-160	
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.45	ND	2.24	92	30-140	
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.45	ND	2.18	89	60-150	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.45	ND	2.31	95	60-155	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	2.28	ND	1.74	76	70-150	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	2.31	ND	1.66	72	45-160	
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.18	ND	1.69	78	70-140	
3-Perfluoropropylpropanoic acid (3:3 FTCA)	4.89	ND	4.05	83	45-130	
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.2	ND	10.0	82	60-130	
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.2	ND	9.31	76	60-150	
13C4 PFBA	4.89	3.8	3.76	76.9	8-130	
13C5 PFPeA	4.89	4.3	4.17	85.2	35-130	
13C5 PFHxA	4.89	3.9	4.05	82.8	40-130	
13C4 PFHpA	4.89	3.9	3.85	78.7	40-130	
13C8 PFOA	4.89	3.6	3.68	75.2	40-130	
13C9 PFNA	4.89	3.7	3.80	77.7	40-130	
13C6 PFDA	4.89	3.5	3.89	79.5	40-130	

no qual QC sample

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 25JUL24-55.d

Lab ID: 480-231006-4 MS Client ID: SB1-7'-8' MS

COMPOUND	SPIKE ADDED (ng/g)	SAMPLE CONCENTRATION (ng/g)	MS CONCENTRATION (ng/g)	MS % REC	QC LIMITS REC	#
13C7 PFUnA	4.89	3.7	4.09	83.6	40-130	
13C2 PFTeDA	4.89	2.3	3.35	68.4	20-130	
13C3 PFBS	4.56	3.5	3.47	76.1	40-135	
13C3 PFHxS	4.64	3.4	3.56	76.7	40-130	
13C8 PFOS	4.69	3.2	3.64	77.8	40-130	
13C8 FOSA	4.89	3.3	3.28	67.1	40-130	
d3-NMeFOSAA	12.2	8.7	9.54	78.0	40-135	
d5-NEtFOSAA	12.2	8.0	9.01	73.7	40-150	
13C2 4:2 FTS	11.5	8.7	8.59	74.9	40-165	
13C2 6:2 FTS	11.6	8.5	8.56	73.5	40-215	
13C2 8:2 FTS	11.7	7.7	8.53	72.6	40-275	
13C3 HFPO-DA	4.89	3.7	3.88	79.3	40-130	
d7-N-MeFOSE-M	12.2	4.5	4.41	36.1	20-130	
d9-N-EtFOSE-M	12.2	4.2	3.83	31.3	15-130	
d5-NEtPFOSA	4.89	2.7	2.67	54.7	10-130	
d3-NMePFOSA	4.89	3.0	3.12	63.7	10-130	
13C2 PFDoA	4.89	3.1	3.89	79.6	40-130	



Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 25JUL24-56.d

Lab ID: 480-231006-4 MSD Client ID: SB1-7'-8' MSD

COMPOUND	SPIKE ADDED (ng/g)	MSD CONCENTRATION (ng/g)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	4.97	5.14	103	2	30	70-140	
Perfluoropentanoic acid (PFPeA)	2.48	2.22	89	6	30	60-150	
Perfluorohexanoic acid (PFHxA)	2.48	2.26	91	4	30	65-140	
Perfluoroheptanoic acid (PFHpA)	2.48	2.30	92	1	30	65-145	
Perfluorooctanoic acid (PFOA)	2.48	2.42	97	6	30	70-150	
Perfluorononanoic acid (PFNA)	2.48	2.12	85	9	30	70-155	
Perfluorodecanoic acid (PFDA)	2.48	2.28	92	15	30	70-155	
Perfluoroundecanoic acid (PFUnA)	2.48	2.47	99	6	30	70-155	
Perfluorododecanoic acid (PFDoA)	2.48	2.22	89	1	30	70-150	
Perfluorotridecanoic acid (PFTrDA)	2.48	2.39	96	2	30	65-150	
Perfluorotetradecanoic acid (PFTeDA)	2.48	1.93	78	4	30	65-150	
Perfluorobutanesulfonic acid (PFBS)	2.21	2.01	91	2	30	65-145	
Perfluoropentanesulfonic acid (PFPeS)	2.34	2.11	90	1	30	55-160	
Perfluorohexanesulfonic acid (PFHxS)	2.27	1.97	87	3	30	60-150	
Perfluoroheptanesulfonic acid (PFHpS)	2.37	2.13	90	7	30	65-155	
Perfluorooctanesulfonic acid (PFOS)	2.31	2.90	70	20	30	65-160	
Perfluorononanesulfonic acid (PFNS)	2.39	1.98	83	7	30	55-140	
Perfluorodecanesulfonic acid (PFDS)	2.40	1.71	72	5	30	40-155	
Perfluorododecanesulfonic acid (PFDoS)	2.41	1.44	60	9	30	25-160	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.66	4.59	98	2	30	60-150	
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.73	4.55	96	2	30	55-200	
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.77	4.69	98	5	30	70-150	
Perfluorooctanesulfonamide (PFOSA)	2.48	2.55	103	4	30	70-140	

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 25JUL24-56.d

Lab ID: 480-231006-4 MSD Client ID: SB1-7'-8' MSD

COMPOUND	SPIKE ADDED (ng/g)	MSD CONCENTRATION (ng/g)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.48	2.21	89	1	30	70-155	
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.48	2.38	96	3	30	70-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.48	1.91	77	3	30	65-155	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.48	2.24	90	3	30	65-165	
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.4	13.1	105	5	30	70-140	
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.4	12.2	98	2	30	70-135	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.86	1.83	98	0	30	70-145	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.35	2.16	92	2	30	70-160	
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.48	2.33	94	4	30	30-140	
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.48	2.26	91	3	30	60-150	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.48	2.45	99	6	30	60-155	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	2.32	1.90	82	9	30	70-150	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	2.35	1.80	77	8	30	45-160	
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.22	1.81	82	7	30	70-140	
3-Perfluoropropylpropanoic acid (3:3 FTCA)	4.97	4.14	83	2	30	45-130	
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.4	10.0	81	0	30	60-130	
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.4	10.2	82	9	30	60-150	
13C4 PFBA	4.97	4.14	83.3			8-130	
13C5 PFPeA	4.97	4.65	93.5			35-130	
13C5 PFHxA	4.97	4.57	91.9			40-130	
13C4 PFHpA	4.97	4.43	89.1			40-130	
13C8 PFOA	4.97	4.37	87.9			40-130	
13C9 PFNA	4.97	4.34	87.4			40-130	
13C6 PFDA	4.97	4.13	83.1			40-130	

Column to be used to flag recovery and RPD values

FORM III 1633A

FORM III
PFAS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 25JUL24-56.d

Lab ID: 480-231006-4 MSD Client ID: SB1-7'-8' MSD

COMPOUND	SPIKE ADDED (ng/g)	MSD CONCENTRATION (ng/g)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
13C7 PFUnA	4.97	3.87	77.9			40-130	
13C2 PFTeDA	4.97	3.46	69.7			20-130	
13C3 PFBS	4.63	3.93	84.8			40-135	
13C3 PFHxS	4.71	3.93	83.4			40-130	
13C8 PFOS	4.76	3.71	77.9			40-130	
13C8 FOSA	4.97	3.84	77.3			40-130	
d3-NMeFOSAA	12.4	10.6	85.7			40-135	
d5-NEtFOSAA	12.4	10.0	80.8			40-150	
13C2 4:2 FTS	11.7	9.86	84.6			40-165	
13C2 6:2 FTS	11.8	9.86	83.3			40-215	
13C2 8:2 FTS	11.9	8.94	75.0			40-275	
13C3 HFPO-DA	4.97	4.32	86.9			40-130	
d7-N-MeFOSE-M	12.4	6.12	49.3			20-130	
d9-N-EtFOSE-M	12.4	5.13	41.3			15-130	
d5-NEtPFOSA	4.97	2.99	60.1			10-130	
d3-NMePFOSA	4.97	3.67	73.9			10-130	
13C2 PFDoA	4.97	3.68	74.1			40-130	



Column to be used to flag recovery and RPD values

FORM III 1633A

FORM IV
PFAS METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab File ID: 25Jul15-52.d Lab Sample ID: MB 410-671022/4-A

Matrix: Water Date Extracted: 07/14/2025 15:43

Instrument ID: 30575 Date Analyzed: 07/15/2025 16:50

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-671022/5-A	25Jul15S-08.d	07/15/2025 18:11
RINSATE	480-231006-6	25Jul15-58.d	07/15/2025 18:11
	LCSD 410-671022/6-A	25Jul15S-09.d	07/15/2025 18:25
	LLCS 410-671022/7-A	25Jul15S-10.d	07/15/2025 18:39

FORM IV
PFAS METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab File ID: 25Jul21-20.d Lab Sample ID: MB 410-673310/1-A

Matrix: Solid Date Extracted: 07/18/2025 14:16

Instrument ID: 30571 Date Analyzed: 07/21/2025 10:43

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LLCS 410-673310/3-A	25Jul18S-51.d	07/19/2025 07:12
SB1-12"-18"	480-231006-1	25Jul18S-61.d	07/19/2025 09:28
SB1-12'-48"	480-231006-3	25Jul18S-62.d	07/19/2025 09:41
SB1-5'-8'	480-231006-5	25Jul18S-63.d	07/19/2025 09:55
SB2-12"-5'	480-231006-12	25Jul18S-64.d	07/19/2025 10:09
	LCS 410-673310/2-A	25Jul21-5400.d	07/21/2025 18:54

FORM IV
PFAS METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab File ID: 25JUL24-38.d Lab Sample ID: MB 410-674050/1-A

Matrix: Solid Date Extracted: 07/21/2025 14:12

Instrument ID: 30569 Date Analyzed: 07/25/2025 00:39

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-674050/2-A	25JUL24-39.d	07/25/2025 00:53
	LLCS 410-674050/3-A	25JUL24-40.d	07/25/2025 01:06
SB1-18"-30"	480-231006-2	25JUL24-53.d	07/25/2025 04:03
SB1-7'-8'	480-231006-4	25JUL24-54.d	07/25/2025 04:17
SB1-7'-8' MS	480-231006-4 MS	25JUL24-55.d	07/25/2025 04:30
SB1-7'-8' MSD	480-231006-4 MSD	25JUL24-56.d	07/25/2025 04:44
SB2-12"-18"	480-231006-7	25JUL24-57.d	07/25/2025 04:57
SB2-12"-18" DUP	480-231006-8	25JUL24-58.d	07/25/2025 05:11
SB2-24"-36"	480-231006-11	25JUL24-59.d	07/25/2025 05:24
SB2-9'-10'	480-231006-13	25JUL24-60.d	07/25/2025 05:38

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument I 30569 Calibration Start Date: 07/22/2025 14:48

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 07/22/2025 16:23

Calibration ID: 74958

		13C3PFBA		PFHxA		PFOA	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		1593641	4.25	4168147	5.32	4715978	6.18
UPPER LIMIT		3187282	4.65	8336294	5.72	9431956	6.58
LOWER LIMIT		796821	3.85	2084074	4.92	2357989	5.78
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-674647/9		1760614	4.25	4404036	5.31	4893463	6.16
ICV 410-674647/10		1595441	4.23	4302328	5.28	4836866	6.14
CCVO 410-675863/1		1493897	4.15	4254127	5.22	4540348	6.06
CCV 410-675863/36		1424302	4.12	4429048	5.21	5189779	6.04
CCB 410-675863/37		1517711	4.14	4502346	5.23	5095132	6.04
MB 410-674050/1-A		1533608	4.12	4502468	5.22	5266145	6.04
LCS 410-674050/2-A		1548962	4.12	4527360	5.20	5241668	6.02
LLCS 410-674050/3-A		2006998	4.12	5751354	5.17	6941739	6.01
CCV 410-675863/70		928962	4.15	2719995	5.21	3223499	6.02
CCB 410-675863/71		1526894	4.13	4436165	5.20	5086243	6.04
480-231006-2	SB1-18"-30"	1610330	4.12	4453631	5.18	5295327	6.00
480-231006-4	SB1-7'-8'	1564263	4.12	4540348	5.18	5360146	6.01
480-231006-4 MS	SB1-7'-8' MS	1571262	4.12	4659619	5.20	5597309	6.02
480-231006-4 MSD	SB1-7'-8' MSD	1559788	4.12	4426047	5.19	5038308	6.02
480-231006-7	SB2-12"-18"	1528558	4.12	4619377	5.19	4978572	5.99
480-231006-8	SB2-12"-18" DUP	1489206	4.11	4345350	5.19	4945167	6.01
480-231006-11	SB2-24"-36"	1556405	4.10	4515580	5.19	5351525	6.02
480-231006-13	SB2-9'-10'	1539037	4.12	4572122	5.19	5108342	6.01

13C3PFBA = 13C3-PFBA
PFHxA = 13C2 PFHxA
PFOA = 13C4 PFOA

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument I 30569 Calibration Start Date: 07/22/2025 14:48

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 07/22/2025 16:23

Calibration ID: 74958

		PFHxS		PFNA		PFDA	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		1816178	6.44	1487152	6.60	1576806	7.02
UPPER LIMIT		3632356	6.84	2974304	7.00	3153612	7.42
LOWER LIMIT		908089	6.04	743576	6.20	788403	6.62
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-674647/9		1882519	6.40	1674135	6.56	1699276	6.96
ICV 410-674647/10		1812027	6.39	1581674	6.56	1674838	6.99
CCVO 410-675863/1		1810696	6.29	1562648	6.46	1553089	6.88
CCV 410-675863/36		1785922	6.27	1662383	6.44	1707692	6.83
CCB 410-675863/37		1896266	6.27	1786293	6.43	1648478	6.83
MB 410-674050/1-A		1936381	6.26	1812845	6.42	1795531	6.80
LCS 410-674050/2-A		1927931	6.24	1815825	6.41	1798105	6.81
LLCS 410-674050/3-A		2551999	6.23	2467192	6.41	2202359	6.81
CCV 410-675863/70		1131325	6.26	1073921	6.42	1068118	6.81
CCB 410-675863/71		1859796	6.26	1900992	6.44	1646575	6.83
480-231006-2	SB1-18"-30"	1884000	6.22	1732804	6.40	1776167	6.81
480-231006-4	SB1-7'-8'	1882602	6.23	1767484	6.41	1718816	6.81
480-231006-4 MS	SB1-7'-8' MS	1948310	6.24	1838433	6.42	1785169	6.81
480-231006-4 MSD	SB1-7'-8' MSD	1863370	6.23	1921409	6.41	1757712	6.81
480-231006-7	SB2-12"-18"	1879641	6.22	1831476	6.40	1740348	6.81
480-231006-8	SB2-12"-18" DUP	1871305	6.23	1598868	6.40	1738831	6.80
480-231006-11	SB2-24"-36"	1906580	6.24	1797967	6.42	1829269	6.81
480-231006-13	SB2-9'-10'	1906024	6.23	1812974	6.41	1835369	6.81

PFHxS = 18O2 PFHxS
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument I 30569 Calibration Start Date: 07/22/2025 14:48

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 07/22/2025 16:23

Calibration ID: 74958

		PFOS					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		1463919	7.30				
UPPER LIMIT		2927838	7.70				
LOWER LIMIT		731960	6.90				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-674647/9		1537135	7.25				
ICV 410-674647/10		1488227	7.27				
CCVO 410-675863/1		1434230	7.13				
CCV 410-675863/36		1373393	7.10				
CCB 410-675863/37		1452493	7.08				
MB 410-674050/1-A		1616105	7.06				
LCS 410-674050/2-A		1590117	7.06				
LLCS 410-674050/3-A		1997533	7.08				
CCV 410-675863/70		942113	7.08				
CCB 410-675863/71		1528945	7.10				
480-231006-2	SB1-18"-30"	1577744	7.08				
480-231006-4	SB1-7'-8'	1540698	7.07				
480-231006-4 MS	SB1-7'-8' MS	1608115	7.06				
480-231006-4 MSD	SB1-7'-8' MSD	1490711	7.07				
480-231006-7	SB2-12"-18"	1583173	7.06				
480-231006-8	SB2-12"-18" DUP	1557617	7.06				
480-231006-11	SB2-24"-36"	1576350	7.07				
480-231006-13	SB2-9'-10'	1568860	7.06				

PFOS = 13C4 PFOS

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument I 30571 Calibration Start Date: 07/14/2025 14:19

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 07/14/2025 16:07

Calibration ID: 74637

		13C3PFBA		PFHxA		PFOA	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		1087462	2.79	3016870	3.91	3949325	4.88
UPPER LIMIT		2174924	3.19	6033740	4.31	7898650	5.28
LOWER LIMIT		543731	2.39	1508435	3.51	1974663	4.48
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-671013/9		1085563	2.79	2774094	3.91	3795642	4.88
ICV 410-671013/10		1156250	2.80	3021723	3.92	4110828	4.89
CCVO 410-671236/1		1053183	2.79	2874492	3.91	3705276	4.87
CCV 410-671236/81		814208	2.81	2094954	3.92	2901534	4.88
CCB 410-671236/82		1044223	2.80	2696478	3.91	3945105	4.88
LCS 410-671022/5-A		1129863	2.76	2820897	3.88	3862610	4.83
LCSD 410-671022/6-A		1207037	2.76	3034803	3.88	4332730	4.84
LLCS 410-671022/7-A		1186373	2.75	2921437	3.87	4206554	4.84
CCV 410-671236/92		1134515	2.80	3019472	3.91	3911061	4.87
CCB 410-671236/93		1035465	2.80	2836363	3.92	3745756	4.88

13C3PFBA = 13C3-PFBA
PFHxA = 13C2 PFHxA
PFOA = 13C4 PFOA

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument I 30571 Calibration Start Date: 07/14/2025 14:19

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 07/14/2025 16:07

Calibration ID: 74637

		PFHxS		PFNA		PFDA	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		1544673	5.14	1741076	5.34	1421510	5.78
UPPER LIMIT		3089346	5.54	3482152	5.74	2843020	6.18
LOWER LIMIT		772337	4.74	870538	4.94	710755	5.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-671013/9		1385386	5.14	1642544	5.34	1219232	5.79
ICV 410-671013/10		1575281	5.14	1772141	5.35	1507376	5.79
CCVO 410-671236/1		1487017	5.12	1657331	5.33	1247704	5.78
CCV 410-671236/81		1115402	5.13	1233034	5.33	835527	5.77
CCB 410-671236/82		1497734	5.13	1467502	5.34	1047856	5.78
LCS 410-671022/5-A		1531658	5.09	1702016	5.29	1150655	5.74
LCSD 410-671022/6-A		1651610	5.09	1754000	5.29	1242641	5.74
LLCS 410-671022/7-A		1588898	5.08	1669044	5.28	1244456	5.73
CCV 410-671236/92		1581376	5.13	1755064	5.33	1191977	5.78
CCB 410-671236/93		1406872	5.14	1623445	5.34	1217915	5.78

PFHxS = 18O2 PFHxS
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument I 30571 Calibration Start Date: 07/14/2025 14:19

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 07/14/2025 16:07

Calibration ID: 74637

		PFOS					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		1573171	6.07				
UPPER LIMIT		3146342	6.47				
LOWER LIMIT		786586	5.67				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-671013/9		1402067	6.07				
ICV 410-671013/10		1582622	6.08				
CCVO 410-671236/1		1483380	6.06				
CCV 410-671236/81		1137372	6.06				
CCB 410-671236/82		1406574	6.06				
LCS 410-671022/5-A		1574738	6.02				
LCSD 410-671022/6-A		1608037	6.02				
LLCS 410-671022/7-A		1544830	6.01				
CCV 410-671236/92		1573279	6.05				
CCB 410-671236/93		1390392	6.06				

PFOS = 13C4 PFOS

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument I 30571 Calibration Start Date: 07/18/2025 13:18

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 07/18/2025 17:37

Calibration ID: 74831

		13C3PFBA		PFHxA		PFOA	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		1352461	2.84	3222742	3.96	4741568	4.93
UPPER LIMIT		2704922	3.24	6445484	4.36	9483136	5.33
LOWER LIMIT		676231	2.44	1611371	3.56	2370784	4.53
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-673272/9		1371124	2.84	3240057	3.96	5128710	4.93
ICV 410-673272/10		1445944	2.84	3280698	3.95	5119583	4.93
CCVO 410-673475/12		963038	2.83	2247864	3.96	3298778	4.93
CCV 410-673475/62		1317404	2.82	3268005	3.93	4748082	4.90
CCB 410-673475/63		1365492	2.82	3203601	3.94	5071874	4.91
LLCS 410-673310/3-A		1571160	2.79	3738395	3.91	5283302	4.88
CCV 410-673475/78		1349681	2.82	3214404	3.94	4570469	4.91
CCB 410-673475/79		1384582	2.82	3472860	3.94	5195743	4.91
480-231006-1	SB1-12"-18"	1664991	2.79	4267227	3.91	5757592	4.88
480-231006-3	SB1-12'-48"	1662785	2.79	4097052	3.91	5743966	4.88
480-231006-5	SB1-5'-8'	1653378	2.79	3809972	3.91	5830288	4.88
480-231006-12	SB2-12"-5'	1470122	2.79	3715262	3.91	4956429	4.87
CCV 410-673475/80		1364032	2.82	3304176	3.94	4793017	4.91
CCB 410-673475/81		1392512	2.82	3348870	3.94	5241874	4.91
CCVO 410-673901/1		1462450	2.79	3340001	3.91	4934688	4.87
CCV 410-673901/2		1548871	2.79	3596288	3.91	5145641	4.87
CCB 410-673901/3		1606308	2.78	3793202	3.90	5397194	4.87
MB 410-673310/1-A		1640971	2.76	3938464	3.87	5634227	4.83
CCV 410-673901/135		1528606	2.78	3587830	3.90	5020552	4.86
CCB 410-673901/136		1614533	2.78	3837341	3.90	5519528	4.85
CCV 410-673901/137		1599444	2.78	3478550	3.89	5171492	4.84
CCB 410-673901/138		1669895	2.78	3935975	3.89	5747885	4.84
LCS 410-673310/2-A		1531485	2.74	3657105	3.85	5208103	4.80
CCV 410-673901/148		1582198	2.78	3661047	3.89	5065809	4.84
CCB 410-673901/149		1627621	2.78	3917758	3.89	5790578	4.85

13C3PFBA = 13C3-PFBA
PFHxA = 13C2 PFHxA
PFOA = 13C4 PFOA

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument I 30571 Calibration Start Date: 07/18/2025 13:18

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 07/18/2025 17:37

Calibration ID: 74831

		PFHxS		PFNA		PFDA	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		1564926	5.18	1899879	5.40	1602788	5.84
UPPER LIMIT		3129852	5.58	3799758	5.80	3205576	6.24
LOWER LIMIT		782463	4.78	949940	5.00	801394	5.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-673272/9		1591565	5.19	1998055	5.40	1514397	5.85
ICV 410-673272/10		1661941	5.18	1945785	5.39	1654252	5.84
CCVO 410-673475/12		1100752	5.17	1327676	5.39	1014595	5.84
CCV 410-673475/62		1550938	5.15	1912717	5.37	1447488	5.81
CCB 410-673475/63		1576034	5.16	2048700	5.37	1652110	5.82
LLCS 410-673310/3-A		1745111	5.13	2266231	5.34	1688555	5.79
CCV 410-673475/78		1556631	5.16	1815004	5.38	1540148	5.81
CCB 410-673475/79		1604446	5.16	2096994	5.37	1461576	5.82
480-231006-1	SB1-12"-18"	1860003	5.12	2526296	5.34	1791669	5.79
480-231006-3	SB1-12'-48"	1818360	5.12	2477735	5.34	1809392	5.79
480-231006-5	SB1-5'-8'	1906333	5.13	2518433	5.34	1748221	5.79
480-231006-12	SB2-12"-5'	1575542	5.13	2113351	5.34	1512954	5.78
CCV 410-673475/80		1533172	5.16	1920036	5.38	1472636	5.82
CCB 410-673475/81		1562528	5.15	1941184	5.37	1575593	5.82
CCVO 410-673901/1		1507083	5.13	2045935	5.33	1464724	5.77
CCV 410-673901/2		1579807	5.13	2098620	5.33	1486637	5.78
CCB 410-673901/3		1671462	5.12	2327012	5.33	1705149	5.77
MB 410-673310/1-A		1738820	5.09	2311440	5.29	1732447	5.74
CCV 410-673901/135		1683746	5.12	2174890	5.31	1576402	5.76
CCB 410-673901/136		1730986	5.11	2285231	5.31	1638787	5.75
CCV 410-673901/137		1674803	5.09	2081626	5.30	1710880	5.74
CCB 410-673901/138		1781380	5.10	2156212	5.30	1683478	5.75
LCS 410-673310/2-A		1668385	5.06	2159741	5.26	1588938	5.70
CCV 410-673901/148		1678054	5.10	2185023	5.30	1560699	5.75
CCB 410-673901/149		1767994	5.10	2234402	5.30	1697145	5.75

PFHxS = 18O2 PFHxS
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument I 30571 Calibration Start Date: 07/18/2025 13:18

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 07/18/2025 17:37

Calibration ID: 74831

		PFOS					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		1480692	6.12				
UPPER LIMIT		2961384	6.52				
LOWER LIMIT		740346	5.72				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-673272/9		1529143	6.12				
ICV 410-673272/10		1571383	6.11				
CCVO 410-673475/12		1024738	6.12				
CCV 410-673475/62		1533876	6.08				
CCB 410-673475/63		1546523	6.09				
LLCS 410-673310/3-A		1714380	6.06				
CCV 410-673475/78		1474692	6.09				
CCB 410-673475/79		1589063	6.09				
480-231006-1	SB1-12"-18"	1843430	6.05				
480-231006-3	SB1-12'-48"	1828584	6.05				
480-231006-5	SB1-5'-8'	1848456	6.06				
480-231006-12	SB2-12"-5'	1605455	6.06				
CCV 410-673475/80		1511205	6.09				
CCB 410-673475/81		1540584	6.09				
CCVO 410-673901/1		1467465	6.06				
CCV 410-673901/2		1589279	6.06				
CCB 410-673901/3		1616261	6.06				
MB 410-673310/1-A		1680243	6.02				
CCV 410-673901/135		1611101	6.04				
CCB 410-673901/136		1633817	6.04				
CCV 410-673901/137		1589540	6.02				
CCB 410-673901/138		1634884	6.03				
LCS 410-673310/2-A		1506945	5.98				
CCV 410-673901/148		1597479	6.03				
CCB 410-673901/149		1655508	6.03				

PFOS = 13C4 PFOS

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

no eval RINSATE

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument I 30575 Calibration Start Date: 07/08/2025 18:13

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 07/08/2025 19:48

Calibration ID: 74409

		13C3PFBA		PFHxA		PFOA	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		1635730	4.11	4817500	5.21	6976021	6.02
UPPER LIMIT		3271460	4.51	9635000	5.61	13952042	6.42
LOWER LIMIT		817865	3.71	2408750	4.81	3488011	5.62
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-668407/9		1587902	4.12	4857367	5.21	6906377	6.02
ICV 410-668407/10		1685067	4.11	5160437	5.21	7049654	6.02
CCVO 410-670538/282		1514365	4.13	5063735	5.22	7511822	6.03
CCV 410-670538/369		1408651	4.11	4643527	5.21	6340914	6.02
CCB 410-670538/370		1255196	4.11	4519679	5.21	6274869	6.02
MB 410-671022/4-A		1523824	4.10	5228482	5.20	7207579	6.01
480-231006-6	RINSATE	1517361	4.09	5227011	5.20	7452241	6.01
CCV 410-670538/383		1498410	4.11	5029022	5.21	6749056	6.02
CCB 410-670538/384		1270635	4.11	4261230	5.21	6222050	6.02

✓ ✓ ✓

13C3PFBA = 13C3-PFBA
PFHxA = 13C2 PFHxA
PFOA = 13C4 PFOA

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument I 30575 Calibration Start Date: 07/08/2025 18:13

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 07/08/2025 19:48

Calibration ID: 74409

		PFHxS		PFNA		PFDA	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		1748084	6.23	2518255	6.40	2461142	6.79
UPPER LIMIT		3496168	6.63	5036510	6.80	4922284	7.19
LOWER LIMIT		874042	5.83	1259128	6.00	1230571	6.39
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-668407/9		1702359	6.23	2462249	6.40	2351186	6.80
ICV 410-668407/10		1731964	6.23	2562907	6.40	2469372	6.80
CCVO 410-670538/282		1656086	6.24	2590419	6.42	2581314	6.81
CCV 410-670538/369		1529246	6.23	2344964	6.40	2434293	6.80
CCB 410-670538/370		1423006	6.23	2229314	6.41	2216549	6.80
MB 410-671022/4-A		1630238	6.21	2605025	6.39	2583581	6.79
480-231006-6	RINSATE	1586113	6.22	2628514	6.39	2765589	6.78
CCV 410-670538/383		1699450	6.23	2391956	6.41	2644384	6.81
CCB 410-670538/384		1477180	6.23	2235307	6.41	2218720	6.81

✓ ✓ ✓

PFHxS = 18O2 PFHxS
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument I 30575 Calibration Start Date: 07/08/2025 18:13

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 07/08/2025 19:48

Calibration ID: 74409

		PFOS					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		1439264	7.04				
UPPER LIMIT		2878528	7.44				
LOWER LIMIT		719632	6.64				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-668407/9		1445985	7.05				
ICV 410-668407/10		1433890	7.05				
CCVO 410-670538/282		1420843	7.05				
CCV 410-670538/369		1280190	7.05				
CCB 410-670538/370		1142348	7.04				
MB 410-671022/4-A		1314312	7.04				
480-231006-6	RINSATE	1409312	7.02				
CCV 410-670538/383		1304218	7.05				
CCB 410-670538/384		1184017	7.05				

PFOS = 13C4 PFOS

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12"-18" Lab Sample ID: 480-231006-1

Matrix: Solid Lab File ID: 25Jul18S-61.d

Analysis Method: 1633A Date Collected: 07/09/2025 12:00

Extraction Method: 1633A Shake Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.23(g) Date Analyzed: 07/19/2025 09:28

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 7(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 6.1 % Solids: 93.9 GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475 Units: ng/g

Preparation Batch No.: 673310 Instrument ID: 30571

extracted and analyzed within 90 day HT - no qual

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		0.38	0.12
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		0.19	0.057
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.067
335-67-1	Perfluorooctanoic acid (PFOA)	ND		0.19	0.057
375-95-1	Perfluorononanoic acid (PFNA)	ND		0.19	0.057
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.19	0.048
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.19	0.067
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.067
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.067
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.057
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.048
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.067
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.11
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.067
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.057
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.38	0.096
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.38	0.12
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.38	0.12
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.086
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.086
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.096

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12"-18"
Lab Sample ID: 480-231006-1

Matrix: Solid
Lab File ID: 25Jul18S-61.d

Analysis Method: 1633A
Date Collected: 07/09/2025 12:00

Extraction Method: 1633A Shake
Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.23(g)
Date Analyzed: 07/19/2025 09:28

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 6.1 % Solids: 93.9
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475
Units: ng/g

Preparation Batch No.: 673310
Instrument ID: 30571

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.076
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.11
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.96	0.29
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.96	0.29
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.11
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.057
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.067
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.067
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	ND		0.19	0.086
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	ND		0.19	0.076
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.19	0.048
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.38	0.19
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.96	0.48
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.96	0.38

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12"-18"
Lab Sample ID: 480-231006-1

Matrix: Solid
Lab File ID: 25Jul18S-61.d

Analysis Method: 1633A
Date Collected: 07/09/2025 12:00

Extraction Method: 1633A Shake
Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.23(g)
Date Analyzed: 07/19/2025 09:28

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 6.1 % Solids: 93.9
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475
Units: ng/g

Preparation Batch No.: 673310
Instrument ID: 30571

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	115		8-130
STL01893	13C5 PFPeA	112		35-130
STL02577	13C5 PFHxA	111		40-130
STL01892	13C4 PFHpA	101		40-130
STL01052	13C8 PFOA	119		40-130
STL02578	13C9 PFNA	107		40-130
STL02579	13C6 PFDA	101		40-130
STL02580	13C7 PFUnA	103		40-130
STL02116	13C2 PFTeDA	107		20-130
STL02337	13C3 PFBS	98.6		40-135
STL02581	13C3 PFHxS	93.8		40-130
STL01054	13C8 PFOS	91.4		40-130
STL01056	13C8 FOSA	83.5		40-130
STL02118	d3-NMeFOSAA	92.6		40-135
STL02117	d5-NEtFOSAA	89.7		40-150
STL02395	13C2 4:2 FTS	106		40-165
STL02279	13C2 6:2 FTS	103		40-215
STL02280	13C2 8:2 FTS	94.8		40-275
STL02255	13C3 HFPO-DA	99.1		40-130
STL02277	d7-N-MeFOSE-M	68.5		20-130
STL02278	d9-N-EtFOSE-M	60.7		15-130
STL02704	d5-NEtPFOSA	85.8		10-130
STL02705	d3-NMePFOSA	80.4		10-130
960315-52-0	13C2 PFDoA	106		40-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30571\20250718-153961.b\25Jul18S-61.d
Lims ID: 480-231006-A-1-A
Client ID: SB1-12"-18"
Sample Type: Client
Inject. Date: 19-Jul-2025 09:28:22 ALS Bottle#: 13 Worklist Smp#: 74
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 480-231006-A-1-A
Misc. Info.: Plate: 2 Rack: 1 410-0153961-074
Operator ID: ETUS023_USR_INS00002 Instrument ID: 30571

Method: \\chromfs\Lancaster\ChromData\30571\20250718-153961.b\30571-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 21-Jul-2025 09:02:43 Calib Date: 18-Jul-2025 17:37:16
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30571\20250718-153904.b\25Jul18-919.d

all ND, no eval ratio or S/N

Column 1 : Det: EXP1
Process Host: CTX1699

First Level Reviewer: P7EB Date: 21-Jul-2025 08:24:15
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4-PFBA										
216.80 > 171.90	2.791	2.834	-0.043	1.000	2038295	2.31		115	9335	
* 4 13C3PFBA										
216.00 > 172.00	2.791	2.834	-0.043		1664991	2.00			1147	
D 8 13C5 PFPeA										
268.30 > 223.00	3.396	3.437	-0.041	0.868	1825052	2.25		112	7861	
9 PFPA										
263.00 > 219.00	3.406	3.437	-0.031	1.003	14351	0.0162			7.2	
D 11 13C2-4:2FTS										
329.10 > 80.90	3.707	3.734	-0.027	0.724	2846490	4.99		106	3310	
D 16 13C5 PFHxA										
318.00 > 273.00	3.912	3.955	-0.043	1.000	2816987	2.23		111	8675	
17 PFHxA										
313.00 > 269.00	3.912	3.955	-0.043	1.000	17277	✓ 0.0158	Target=10.52		11.2	
313.00 > 118.90	3.930	3.955	-0.025	1.005	1244		13.89(5.26-15.79)		11.3	
* 15 13C2 PFHxA										
315.10 > 270.00	3.912	3.955	-0.043		4267227	5.00			12233	
D 20 13C3 PFBS										
302.10 > 79.90	4.061	4.108	-0.047	0.793	2145595	1.84		98.6	2853	
D 21 13C3 HFPO-DA										
286.90 > 168.90	4.122	4.173	-0.051	1.054	889485	1.98		99.1	7895	
D 29 13C4 PFHpA										
367.10 > 322.00	4.411	4.453	-0.042	1.128	2217439	2.03		101	9518	
D 31 13C2-6:2FTS										
429.10 > 80.90	4.647	4.685	-0.038	0.907	2899716	4.89		103	6702	
* 37 13C4 PFOA										
417.10 > 372.00	4.881	4.925	-0.044		5757592	5.00			11206	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 35 13C8 PFOA										
421.10 > 376.00	4.881	4.925	-0.044	1.000	2880631	2.38 ✓		119	13201	
* 40 18O2 PFHxS										
403.00 > 83.90	5.124	5.174	-0.050		1860003	1.90			11345	
D 41 13C3 PFHxS										
402.10 > 79.90	5.124	5.183	-0.059	1.000	1729181	1.78		93.8	3226	
D 43 13C9 PFNA										
472.10 > 427.00	5.336	5.386	-0.050	1.000	2540897	2.13		107	11277	
* 42 13C5 PFNA										
468.00 > 423.00	5.336	5.386	-0.050		2526296	2.00			11609	
D 46 13C2-8:2FTS										
529.10 > 80.90	5.540	5.597	-0.057	1.081	3065966	4.55		94.8	6978	
D 49 d3-NMeFOSAA										
573.20 > 419.00	5.727	5.769	-0.042	0.946	2855936	4.63		92.6	2613	
D 52 13C6 PFDA										
519.10 > 474.10	5.786	5.843	-0.057	1.000	1835174	2.01		101	6946	
* 51 13C2 PFDA										
515.10 > 470.10	5.786	5.843	-0.057		1791669	2.00			9299	
D 56 d5-NEtFOSAA										
589.20 > 419.00	5.916	5.969	-0.053	0.977	2302843	4.48		89.7	1604	
D 57 13C8 PFOS										
507.10 > 79.90	6.054	6.107	-0.053	1.000	1807367	1.75		91.4	2024	
* 58 13C4 PFOS										
502.80 > 79.90	6.054	6.116	-0.062		1843430	1.92			3509	
59 PFOS										M
498.90 > 79.90	6.054	6.116	-0.062	1.000	51319	✓ 0.0404	Target=4.14		3189	M
498.90 > 98.80	6.054	6.116	-0.062	1.000	11624		4.41(2.07-6.21)		95.7	
D 60 13C7 PFUnA										
570.00 > 525.10	6.217	6.280	-0.063	1.074	1704890	2.07		103	11555	
D 27 PFDoA										
615.10 > 570.00	6.644	6.701	-0.057	1.148	1552835	2.12		106	2981	
D 66 13C8 FOSA										
506.10 > 77.80	6.810	6.828	-0.018	1.125	1266886	1.67		83.5	5856	
D 70 13C2 PFTeDA										
715.20 > 670.00	7.440	7.499	-0.059	1.286	1162044	2.15		107	7445	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	7.806	7.795	0.011	1.289	148740	3.42		68.5	765	
D 76 d3-NMePFOSA										
515.00 > 219.00	7.908	7.909	-0.001	1.306	366435	1.61		80.4	2800	
D 77 d9-N-EtFOSE										
639.20 > 58.90	8.030	8.020	0.010	1.326	183589	3.04		60.7	665	
D 79 d5-NEtPFOSA										
531.10 > 219.00	8.102	8.104	-0.002	1.338	512775	1.72		85.8	3539	

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-18"-30"
Lab Sample ID: 480-231006-2

Matrix: Solid
Lab File ID: 25JUL24-53.d

Analysis Method: 1633A
Date Collected: 07/09/2025 12:00

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.17(g)
Date Analyzed: 07/25/2025 04:03

extracted and analyzed within 90 day HT - no qual

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 7.7
% Solids: 92.3
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		0.40	0.13
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.070
335-67-1	Perfluorooctanoic acid (PFOA)	ND		0.20	0.060
375-95-1	Perfluorononanoic acid (PFNA)	ND		0.20	0.060
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.20	0.050
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.070
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.070
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.070
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.16	J	0.20	0.050
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.070
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.99		0.20	0.11
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.070
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.090
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.090
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-18"-30"
Lab Sample ID: 480-231006-2

Matrix: Solid
Lab File ID: 25JUL24-53.d

Analysis Method: 1633A
Date Collected: 07/09/2025 12:00

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.17(g)
Date Analyzed: 07/25/2025 04:03

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 7.7 % Solids: 92.3
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.080
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.60	✓	0.20	0.11
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.30
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.30
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.070
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.070
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	ND		0.20	0.090
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	ND		0.20	0.080
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.40

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-18"-30"
Lab Sample ID: 480-231006-2

Matrix: Solid
Lab File ID: 25JUL24-53.d

Analysis Method: 1633A
Date Collected: 07/09/2025 12:00

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.17(g)
Date Analyzed: 07/25/2025 04:03

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 7.7 % Solids: 92.3
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	82.8		8-130
STL01893	13C5 PFPeA	99.4		35-130
STL02577	13C5 PFHxA	94.4		40-130
STL01892	13C4 PFHpA	92.5		40-130
STL01052	13C8 PFOA	92.3		40-130
STL02578	13C9 PFNA	91.0		40-130
STL02579	13C6 PFDA	82.3		40-130
STL02580	13C7 PFUnA	84.6		40-130
STL02116	13C2 PFTeDA	59.7		20-130
STL02337	13C3 PFBS	86.1		40-135
STL02581	13C3 PFHxS	83.1		40-130
STL01054	13C8 PFOS	76.8		40-130
STL01056	13C8 FOSA	69.0		40-130
STL02118	d3-NMeFOSAA	78.3		40-135
STL02117	d5-NEtFOSAA	69.5		40-150
STL02395	13C2 4:2 FTS	83.1		40-165
STL02279	13C2 6:2 FTS	81.1		40-215
STL02280	13C2 8:2 FTS	75.0		40-275
STL02255	13C3 HFPO-DA	87.1		40-130
STL02277	d7-N-MeFOSE-M	26.1		20-130
STL02278	d9-N-EtFOSE-M	19.5		15-130
STL02704	d5-NEtPFOSA	59.8		10-130
STL02705	d3-NMePFOSA	64.8		10-130
960315-52-0	13C2 PFDoA	66.5		40-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30569\20250724-154474.b\25JUL24-53.d
Lims ID: 480-231006-A-2-A
Client ID: SB1-18"-30"
Sample Type: Client
Inject. Date: 25-Jul-2025 04:03:25 ALS Bottle#: 1 Worklist Smp#: 51
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 480-231006-A-2-A
Misc. Info.: Plate: 2 Rack: 1 410-0154474-051
Operator ID: ETUS023_USR_INS00004 Instrument ID: 30569

Method: \\chromfs\Lancaster\ChromData\30569\20250724-154474.b\30569-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 25-Jul-2025 09:21:10 Calib Date: 22-Jul-2025 16:23:19
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30569\20250722-154214.b\25JUL22CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1656

First Level Reviewer: QY4X Date: 25-Jul-2025 09:16:13
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 4 13C4-PFBA										
216.80 > 171.90	4.123	4.138	-0.015	1.000	1377214	1.66		82.8	18633	
* 5 13C3PFBA										
216.00 > 172.00	4.123	4.145	-0.022		1610330	2.00			3901	
D 9 13C5 PFPeA										
268.30 > 223.00	4.733	4.755	-0.022	0.913	1702150	1.99		99.4	4249	
D 11 13C2-4:2FTS										
329.10 > 80.90	4.998	5.025	-0.027	0.803	4312630	3.90		83.1	1140	
D 16 13C5 PFHxA										
318.00 > 273.00	5.181	5.207	-0.026	1.000	2067815	1.89		94.4	10971	
* 15 13C2 PFHxA										
315.10 > 270.00	5.181	5.218	-0.037		4453631	5.00			23877	
D 19 13C3 PFBS										
302.10 > 79.90	5.317	5.357	-0.040	0.854	2534739	1.60		86.1	421	
D 21 13C3 HFPO-DA										
286.90 > 168.90	5.363	5.396	-0.033	1.035	1253530	1.74		87.1	7659	
D 28 13C4 PFHpA										
367.10 > 322.00	5.596	5.645	-0.049	1.080	1820470	1.85		92.5	5025	
D 31 13C2-6:2FTS										
429.10 > 80.90	5.792	5.846	-0.054	0.931	3985106	3.86		81.1	2359	
D 34 13C8 PFOA										
421.10 > 376.00	5.994	6.056	-0.062	0.999	2225786	1.85	✓	92.3	4196	
* 35 13C4 PFOA										
417.10 > 372.00	6.002	6.056	-0.054		5295327	5.00			4948	
* 40 18O2 PFHxS										
403.00 > 83.90	6.223	6.287	-0.064		1884000	1.90			5068	
D 39 13C3 PFHxS										
402.10 > 79.90	6.223	6.287	-0.064	1.000	1887910	1.58		83.1	1086	

>3:1

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
38 PFHxS										
398.70 > 79.90	6.231	6.296	-0.065	1.001	43423	0.0651	Target=3.31		1257	
398.70 > 98.90	6.231	6.296	-0.065	1.001	10039		4.33(1.65-4.96)		23.9	
D 41 13C9 PFNA										
472.10 > 427.00	6.398	6.459	-0.061	1.000	1739739	1.82		91.0	4008	
* 42 13C5 PFNA										
468.00 > 423.00	6.398	6.459	-0.061		1732804	2.00			5681	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.580	6.644	-0.064	1.057	3746588	3.60		75.0	2926	
D 48 d3-NMeFOSAA										
573.00 > 419.00	6.743	6.800	-0.057	0.953	3138745	3.91		78.3	2147	
49 NMeFOSAA										
570.10 > 419.00	6.735	6.809	-0.075	0.999	10215	0.0191	Target=1.84		37.1	
570.10 > 483.00	6.751	6.809	-0.058	1.001	4857		2.10(0.92-2.77)		11.7	
D 50 13C6 PFDA										
519.10 > 474.10	6.805	6.877	-0.072	1.000	1636845	1.65		82.3	4260	
* 51 13C2 PFDA										
515.10 > 470.10	6.805	6.877	-0.072		1776167	2.00			6623	
D 54 d5-NEtFOSAA										
589.20 > 419.00	6.922	6.987	-0.065	0.978	1946536	3.47		69.5	1910	
55 NEtFOSAA										
584.20 > 419.10	6.931	6.987	-0.056	1.001	81309	0.2421	Target=1.41		106	
584.20 > 526.00	6.931	6.987	-0.056	1.001	57754		1.41(0.71-2.12)		136	
* 57 13C4 PFOS										
502.80 > 79.90	7.075	7.132	-0.057		1577744	1.92			1694	
D 58 13C8 PFOS										
507.10 > 79.90	7.075	7.132	-0.057	1.000	1538501	1.47		76.8	714	
56 PFOS										M
498.90 > 79.90	7.075	7.142	-0.067	1.000	394224	0.3971	Target=4.50		7638	M
498.90 > 98.80	7.075	7.142	-0.067	1.000	85476		4.61(2.25-6.75)		222	
59 PFUnA										M
563.10 > 519.00	7.209	7.275	-0.066	0.999	6994	0.0135	Target=5.41		24.2	M
563.10 > 269.10	7.209	7.275	-0.066	0.999	1356		5.16(2.70-8.11)		14.1	
D 60 13C7 PFUnA										
570.00 > 525.10	7.219	7.285	-0.066	1.061	1578978	1.69		84.6	6247	
D 63 13C2 PFDoA										
615.10 > 570.00	7.622	7.679	-0.057	1.120	1028423	1.33		66.5	1824	
D 66 13C8 FOSA										
506.10 > 77.80	7.881	7.900	-0.019	1.114	1094486	1.38		69.0	7121	
D 71 13C2 PFTeDA										
715.20 > 670.00	8.427	8.460	-0.033	1.238	728544	1.19		59.7	4187	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.778	8.769	0.009	1.241	93740	1.30		26.1	236	
D 75 d3-NMePFOSA										
515.00 > 219.00	8.895	8.887	0.008	1.257	336435	1.30		64.8	2885	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.018	9.011	0.007	1.275	106035	0.9754		19.5	277	

Report Date: 25-Jul-2025 09:22:08 Chrom Revision: 2.3 21-Jul-2025 14:07:10
Data File: \\chromfs\Lancaster\ChromData\30569\20250724-154474.b\25JUL24-53.d
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.108	9.100	0.008	1.287	435570	1.20		59.8	3525	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_IS_V_00386 Amount Added: 50.00 Units: uL

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48"
Lab Sample ID: 480-231006-3

Matrix: Solid
Lab File ID: 25Jul18S-62.d

Analysis Method: 1633A
Date Collected: 07/09/2025 12:00

Extraction Method: 1633A Shake
Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.23(g)
Date Analyzed: 07/19/2025 09:41

extracted and analyzed within 90 day HT - no qual ✓

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 6.0
% Solids: 94.0
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475
Units: ng/g

Preparation Batch No.: 673310
Instrument ID: 30571

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		0.38	0.12
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		0.19	0.057
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.067
335-67-1	Perfluorooctanoic acid (PFOA)	ND		0.19	0.057
375-95-1	Perfluorononanoic acid (PFNA)	ND		0.19	0.057
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.19	0.048
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.19	0.067
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.067
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.067
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.057
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.056	J ✓	0.19	0.048
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.067
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.40	✓	0.19	0.10
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.067
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.057
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.38	0.095
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.38	0.12
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.38	0.12
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.086
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.086
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.095

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48"
Lab Sample ID: 480-231006-3

Matrix: Solid
Lab File ID: 25Jul18S-62.d

Analysis Method: 1633A
Date Collected: 07/09/2025 12:00

Extraction Method: 1633A Shake
Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.23(g)
Date Analyzed: 07/19/2025 09:41

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 6.0 % Solids: 94.0
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475
Units: ng/g

Preparation Batch No.: 673310
Instrument ID: 30571

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.076
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.10
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.95	0.29
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.95	0.29
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.10
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.057
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.067
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.067
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	ND		0.19	0.086
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	ND		0.19	0.076
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.19	0.048
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.38	0.19
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.95	0.48
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.95	0.38

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-12'-48"
Lab Sample ID: 480-231006-3

Matrix: Solid
Lab File ID: 25Jul18S-62.d

Analysis Method: 1633A
Date Collected: 07/09/2025 12:00

Extraction Method: 1633A Shake
Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.23(g)
Date Analyzed: 07/19/2025 09:41

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 6.0 % Solids: 94.0
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475
Units: ng/g

Preparation Batch No.: 673310
Instrument ID: 30571

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	109		8-130
STL01893	13C5 PFPeA	113		35-130
STL02577	13C5 PFHxA	108		40-130
STL01892	13C4 PFHpA	109		40-130
STL01052	13C8 PFOA	111		40-130
STL02578	13C9 PFNA	99.5		40-130
STL02579	13C6 PFDA	95.1		40-130
STL02580	13C7 PFUnA	105		40-130
STL02116	13C2 PFTeDA	98.4		20-130
STL02337	13C3 PFBS	101		40-135
STL02581	13C3 PFHxS	92.6		40-130
STL01054	13C8 PFOS	83.5		40-130
STL01056	13C8 FOSA	85.5		40-130
STL02118	d3-NMeFOSAA	95.2		40-135
STL02117	d5-NEtFOSAA	93.6		40-150
STL02395	13C2 4:2 FTS	104		40-165
STL02279	13C2 6:2 FTS	100		40-215
STL02280	13C2 8:2 FTS	93.6		40-275
STL02255	13C3 HFPO-DA	102		40-130
STL02277	d7-N-MeFOSE-M	60.4		20-130
STL02278	d9-N-EtFOSE-M	58.0		15-130
STL02704	d5-NEtPFOSA	81.3		10-130
STL02705	d3-NMePFOSA	76.6		10-130
960315-52-0	13C2 PFDoA	95.2		40-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30571\20250718-153961.b\25Jul18S-62.d
Lims ID: 480-231006-A-3-A
Client ID: SB1-12'-48"
Sample Type: Client
Inject. Date: 19-Jul-2025 09:41:58 ALS Bottle#: 14 Worklist Smp#: 75
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 480-231006-A-3-A
Misc. Info.: Plate: 2 Rack: 1 410-0153961-075
Operator ID: ETUS023_USR_INS00002 Instrument ID: 30571

Method: \\chromfs\Lancaster\ChromData\30571\20250718-153961.b\30571-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 21-Jul-2025 09:02:43 Calib Date: 18-Jul-2025 17:37:16
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30571\20250718-153904.b\25Jul18-919.d

Column 1 : Det: EXP1
Process Host: CTX1699

First Level Reviewer: P7EB Date: 21-Jul-2025 08:25:01
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4-PFBA										
216.80 > 171.90	2.785	2.834	-0.049	0.998	1927165	2.19		109	9467	
* 4 13C3PFBA										
216.00 > 172.00	2.791	2.834	-0.043		1662785	2.00			1175	
D 8 13C5 PFPeA										
268.30 > 223.00	3.396	3.437	-0.041	0.868	1767688	2.27		113	6947	
D 11 13C2-4:2FTS										
329.10 > 80.90	3.708	3.734	-0.026	0.724	2731076	4.90		104	2642	
D 16 13C5 PFHxA										
318.00 > 273.00	3.904	3.955	-0.051	0.998	2627363	2.16		108	6594	
17 PFHxA										
313.00 > 269.00	3.913	3.955	-0.042	1.002	13525 ✓	0.0133	Target=10.52		6.0	
313.00 > 118.90	3.913	3.955	-0.042	1.002	1863		7.26(5.26-15.79)		14.2	
* 15 13C2 PFHxA										
315.10 > 270.00	3.913	3.955	-0.042		4097052	5.00			9751	
D 20 13C3 PFBS										
302.10 > 79.90	4.052	4.108	-0.056	0.791	2153318	1.89		101	1908	
D 21 13C3 HFPO-DA										
286.90 > 168.90	4.133	4.173	-0.040	1.056	880866	2.04		102	4885	
D 29 13C4 PFHpA										
367.10 > 322.00	4.403	4.453	-0.050	1.125	2298649	2.19		109	12002	
D 31 13C2-6:2FTS										
429.10 > 80.90	4.647	4.685	-0.038	0.907	2771115	4.78		100	4218	
* 37 13C4 PFOA										
417.10 > 372.00	4.881	4.925	-0.044		5743966	5.00			9561	
D 35 13C8 PFOA										
421.10 > 376.00	4.881	4.925	-0.044	1.000	2688805	2.23 ✓		111	11751	

Report Date: 21-Jul-2025 13:35:50 Chrom Revision: 2.3 17-Jul-2025 12:11:26
Data File: \\chromfs\Lancaster\ChromData\30571\20250718-153961.b\25Jul18S-62.d
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 40 18O2 PFHxS										
403.00 > 83.90	5.124	5.174	-0.050		1818360	1.90			5682	
D 41 13C3 PFHxS										
402.10 > 79.90	5.124	5.183	-0.059	1.000	1669964	1.76		92.6	2586	
39 PFHxS										M
398.70 > 79.90	5.133	5.183	-0.050	1.002	28074	0.0234 Target=3.28			2204	M
398.70 > 98.90	5.124	5.183	-0.059	1.000	7530		3.73(1.64-4.92)		57.1	
D 43 13C9 PFNA										
472.10 > 427.00	5.337	5.386	-0.049	1.000	2325508	1.99		99.5	8786	
* 42 13C5 PFNA										
468.00 > 423.00	5.337	5.386	-0.049		2477735	2.00			10645	
D 46 13C2-8:2FTS										
529.10 > 80.90	5.540	5.597	-0.057	1.081	2959877	4.49		93.6	7029	
D 49 d3-NMeFOSAA										
573.20 > 419.00	5.718	5.769	-0.051	0.944	2911697	4.76		95.2	2410	
D 52 13C6 PFDA										
519.10 > 474.10	5.787	5.843	-0.056	1.000	1751511	1.90		95.1	5624	
* 51 13C2 PFDA										
515.10 > 470.10	5.787	5.843	-0.056		1809392	2.00			7855	
D 56 d5-NEtFOSAA										
589.20 > 419.00	5.917	5.969	-0.052	0.977	2383596	4.68		93.6	2196	
55 NEtFOSAA										
584.20 > 419.10	5.938	5.980	-0.042	1.004	10244	0.0229 Target=1.38			23.6	
584.20 > 526.00	5.917	5.980	-0.063	1.000	8487		1.21(0.69-2.08)		59.0	
D 57 13C8 PFOS										
507.10 > 79.90	6.054	6.107	-0.053	1.000	1637790	1.60		83.5	1553	
* 58 13C4 PFOS										
502.80 > 79.90	6.054	6.116	-0.062		1828584	1.92			2777	
59 PFOS										
498.90 > 79.90	6.054	6.116	-0.062	1.000	191362	0.1661 Target=4.14			20733	
498.90 > 98.80	6.054	6.116	-0.062	1.000	40210		4.76(2.07-6.21)		258	
D 60 13C7 PFUnA										
570.00 > 525.10	6.218	6.280	-0.062	1.074	1748987	2.10		105	10915	
D 27 PFDoA										
615.10 > 570.00	6.644	6.701	-0.057	1.148	1407584	1.90		95.2	4032	
D 66 13C8 FOSA										
506.10 > 77.80	6.802	6.828	-0.026	1.123	1285875	1.71		85.5	6547	
D 70 13C2 PFTeDA										
715.20 > 670.00	7.441	7.499	-0.058	1.286	1076433	1.97		98.4	8456	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	7.807	7.795	0.012	1.289	130104	3.02		60.4	756	
D 76 d3-NMePFOSA										
515.00 > 219.00	7.908	7.909	-0.001	1.306	346298	1.53		76.6	3288	
D 77 d9-N-EtFOSE										
639.20 > 58.90	8.030	8.020	0.010	1.326	174002	2.90		58.0	693	
D 79 d5-NEtPFOSA										
531.10 > 219.00	8.103	8.104	-0.001	1.338	481688	1.63		81.3	3432	

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-7'-8'
Lab Sample ID: 480-231006-4

Matrix: Solid
Lab File ID: 25JUL24-54.d

Analysis Method: 1633A
Date Collected: 07/09/2025 12:45

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.34(g)
Date Analyzed: 07/25/2025 04:17

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 10.6 % Solids: 89.4
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

extracted and analyzed within 90 day HT - no qual ✓

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		0.38	0.12
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		0.19	0.057
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.067
335-67-1	Perfluorooctanoic acid (PFOA)	ND		0.19	0.057
375-95-1	Perfluorononanoic acid (PFNA)	ND		0.19	0.057
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.19	0.048
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.19	0.067
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.067
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.067
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.057
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.048
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.067
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.3	✓	0.19	0.11
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.067
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.057
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.38	0.096
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.38	0.12
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.38	0.12
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.086
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.086
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.096

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-7'-8'
Lab Sample ID: 480-231006-4

Matrix: Solid
Lab File ID: 25JUL24-54.d

Analysis Method: 1633A
Date Collected: 07/09/2025 12:45

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.34(g)
Date Analyzed: 07/25/2025 04:17

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 10.6 % Solids: 89.4
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.076
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.11
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.96	0.29
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.96	0.29
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.11
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.057
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.067
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.067
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	ND		0.19	0.086
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	ND		0.19	0.076
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.19	0.048
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.38	0.19
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.96	0.48
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.96	0.38

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-7'-8'
Lab Sample ID: 480-231006-4

Matrix: Solid
Lab File ID: 25JUL24-54.d

Analysis Method: 1633A
Date Collected: 07/09/2025 12:45

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.34(g)
Date Analyzed: 07/25/2025 04:17

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 10.6 % Solids: 89.4
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	79.0		8-130
STL01893	13C5 PFPeA	89.8		35-130
STL02577	13C5 PFHxA	81.5		40-130
STL01892	13C4 PFHpA	82.3		40-130
STL01052	13C8 PFOA	75.7		40-130
STL02578	13C9 PFNA	76.6		40-130
STL02579	13C6 PFDA	72.6		40-130
STL02580	13C7 PFUnA	76.4		40-130
STL02116	13C2 PFTeDA	48.6		20-130
STL02337	13C3 PFBS	79.3		40-135
STL02581	13C3 PFHxS	75.5		40-130
STL01054	13C8 PFOS	69.3		40-130
STL01056	13C8 FOSA	68.4		40-130
STL02118	d3-NMeFOSAA	73.0		40-135
STL02117	d5-NEtFOSAA	66.9		40-150
STL02395	13C2 4:2 FTS	77.2		40-165
STL02279	13C2 6:2 FTS	74.4		40-215
STL02280	13C2 8:2 FTS	67.4		40-275
STL02255	13C3 HFPO-DA	77.7		40-130
STL02277	d7-N-MeFOSE-M	37.7		20-130
STL02278	d9-N-EtFOSE-M	35.3		15-130
STL02704	d5-NEtPFOSA	56.8		10-130
STL02705	d3-NMePFOSA	63.0		10-130
960315-52-0	13C2 PFDoA	65.3		40-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30569\20250724-154474.b\25JUL24-54.d
Lims ID: 480-231006-A-4-A
Client ID: SB1-7'-8'
Sample Type: Client
Inject. Date: 25-Jul-2025 04:17:00 ALS Bottle#: 2 Worklist Smp#: 52
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 480-231006-A-4-A
Misc. Info.: Plate: 2 Rack: 1 410-0154474-052
Operator ID: ETUS023_USR_INS00004 Instrument ID: 30569

Method: \\chromfs\Lancaster\ChromData\30569\20250724-154474.b\30569-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 25-Jul-2025 09:21:10 Calib Date: 22-Jul-2025 16:23:19
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30569\20250722-154214.b\25JUL22CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1656

First Level Reviewer: QY4X Date: 25-Jul-2025 09:16:52
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 2 13C3PFPrA										
166.00 > 121.00	1.964	1.998	-0.034	0.477	767705	1.96		98.0	875	
D 4 13C4-PFBA										
216.80 > 171.90	4.114	4.138	-0.024	0.998	1277572	1.58		79.0	7025	
* 5 13C3PFBA										
216.00 > 172.00	4.121	4.145	-0.024		1564263	2.00			4920	
D 9 13C5 PFPeA										
268.30 > 223.00	4.727	4.755	-0.028	0.912	1567757	1.80		89.8	4510	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.002	5.025	-0.023	0.803	4005989	3.62		77.2	2937	
D 16 13C5 PFHxA										
318.00 > 273.00	5.184	5.207	-0.023	1.000	1820705	1.63		81.5	22963	
* 15 13C2 PFHxA										
315.10 > 270.00	5.184	5.218	-0.034		4540348	5.00			29006	
D 19 13C3 PFBS										
302.10 > 79.90	5.320	5.357	-0.037	0.854	2332789	1.48		79.3	1686	
D 21 13C3 HFPO-DA										
286.90 > 168.90	5.365	5.396	-0.031	1.035	1139236	1.55		77.7	7742	
23 TCDCA										
498.10 > 80.00	5.416	5.456	-0.040	0.766	2193	NR			72.1	
26 TDCA										
498.00 > 80.00	5.311	5.575	-0.264	0.752	1284	NR			3.1	
D 28 13C4 PFHpA										
367.10 > 322.00	5.599	5.645	-0.046	1.080	1651550	1.65		82.3	5201	
D 31 13C2-6:2FTS										
429.10 > 80.90	5.795	5.846	-0.051	0.930	3650870	3.54		74.4	3657	
D 34 13C8 PFOA										
421.10 > 376.00	6.005	6.056	-0.051	1.000	1847927	1.51	✓	75.7	5186	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 35 13C4 PFOA										
417.10 > 372.00	6.005	6.056	-0.051		5360146	5.00			5810	
* 40 18O2 PFHxS										
403.00 > 83.90	6.233	6.287	-0.054		1882602	1.90			9177	
D 39 13C3 PFHxS										
402.10 > 79.90	6.233	6.287	-0.054	1.000	1713251	1.43		75.5	3352	
38 PFHxS										M
398.70 > 79.90	6.225	6.296	-0.071	0.999	10690	0.0177	Target=3.31		1676	M
398.70 > 98.90	6.241	6.296	-0.055	1.001	3347		3.19(1.65-4.96)		12.9	
D 41 13C9 PFNA										
472.10 > 427.00	6.410	6.459	-0.049	1.000	1494580	1.53		76.6	2797	
* 42 13C5 PFNA										
468.00 > 423.00	6.410	6.459	-0.049		1767484	2.00			7177	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.581	6.644	-0.063	1.056	3364166	3.23		67.4	5038	
D 48 d3-NMeFOSAA										
573.00 > 419.00	6.744	6.800	-0.056	0.955	2861142	3.65		73.0	2610	
D 50 13C6 PFDA										
519.10 > 474.10	6.806	6.877	-0.071	1.000	1398501	1.45		72.6	2864	
* 51 13C2 PFDA										
515.10 > 470.10	6.806	6.877	-0.071		1718816	2.00			4857	
D 54 d5-NEtFOSAA										
589.20 > 419.00	6.923	6.987	-0.064	0.980	1830916	3.35		66.9	2136	
* 57 13C4 PFOS										
502.80 > 79.90	7.066	7.132	-0.066		1540698	1.92			8240	
D 58 13C8 PFOS										
507.10 > 79.90	7.066	7.132	-0.066	1.000	1357322	1.33		69.3	4012	
56 PFOS										
498.90 > 79.90	7.066	7.142	-0.076	1.000	474334	0.5415	Target=4.50		1019	
498.90 > 98.80	7.066	7.142	-0.076	1.000	102722		4.62(2.25-6.75)		283	
D 60 13C7 PFUnA										
570.00 > 525.10	7.199	7.285	-0.086	1.058	1379827	1.53		76.4	5916	
D 63 13C2 PFDoA										
615.10 > 570.00	7.615	7.679	-0.064	1.119	977591	1.31		65.3	1735	
D 66 13C8 FOSA										
506.10 > 77.80	7.857	7.900	-0.043	1.112	1059765	1.37		68.4	7569	
D 71 13C2 PFTeDA										
715.20 > 670.00	8.386	8.460	-0.074	1.232	574065	0.9722		48.6	5043	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.750	8.769	-0.019	1.238	132296	1.88		37.7	252	
D 75 d3-NMePFOSA										
515.00 > 219.00	8.871	8.887	-0.016	1.255	319340	1.26		63.0	3070	
D 77 d9-N-EtFOSE										
639.20 > 58.90	8.995	9.011	-0.016	1.273	187558	1.77		35.3	1617	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.086	9.100	-0.014	1.286	403771	1.14		56.8	2462	

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-5'-8'
Lab Sample ID: 480-231006-5

Matrix: Solid
Lab File ID: 25Jul18S-63.d

Analysis Method: 1633A
Date Collected: 07/09/2025 12:45

Extraction Method: 1633A Shake
Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.08(g)
Date Analyzed: 07/19/2025 09:55

extracted and analyzed within 90 day HT - no qual

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 4.0
% Solids: 96.0
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475
Units: ng/g

Preparation Batch No.: 673310
Instrument ID: 30571

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		0.40	0.13
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.070
335-67-1	Perfluorooctanoic acid (PFOA)	ND		0.20	0.060
375-95-1	Perfluorononanoic acid (PFNA)	ND		0.20	0.060
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.20	0.050
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.070
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.070
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.070
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.070
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.83	✓	0.20	0.11
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.070
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.090
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.090
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-5'-8'
Lab Sample ID: 480-231006-5

Matrix: Solid
Lab File ID: 25Jul18S-63.d

Analysis Method: 1633A
Date Collected: 07/09/2025 12:45

Extraction Method: 1633A Shake
Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.08(g)
Date Analyzed: 07/19/2025 09:55

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 4.0 % Solids: 96.0
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475
Units: ng/g

Preparation Batch No.: 673310
Instrument ID: 30571

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.080
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.30
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.30
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.070
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.070
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	ND		0.20	0.090
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	ND		0.20	0.080
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.40

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-5'-8'
Lab Sample ID: 480-231006-5

Matrix: Solid
Lab File ID: 25Jul18S-63.d

Analysis Method: 1633A
Date Collected: 07/09/2025 12:45

Extraction Method: 1633A Shake
Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.08(g)
Date Analyzed: 07/19/2025 09:55

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 4.0 % Solids: 96.0
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475
Units: ng/g

Preparation Batch No.: 673310
Instrument ID: 30571

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	110		8-130
STL01893	13C5 PFPeA	119		35-130
STL02577	13C5 PFHxA	112		40-130
STL01892	13C4 PFHpA	106		40-130
STL01052	13C8 PFOA	112		40-130
STL02578	13C9 PFNA	100		40-130
STL02579	13C6 PFDA	106		40-130
STL02580	13C7 PFUnA	111		40-130
STL02116	13C2 PFTeDA	90.5		20-130
STL02337	13C3 PFBS	104		40-135
STL02581	13C3 PFHxS	101		40-130
STL01054	13C8 PFOS	100		40-130
STL01056	13C8 FOSA	95.5		40-130
STL02118	d3-NMeFOSAA	97.6		40-135
STL02117	d5-NEtFOSAA	97.3		40-150
STL02395	13C2 4:2 FTS	106		40-165
STL02279	13C2 6:2 FTS	107		40-215
STL02280	13C2 8:2 FTS	97.8		40-275
STL02255	13C3 HFPO-DA	107		40-130
STL02277	d7-N-MeFOSE-M	54.3		20-130
STL02278	d9-N-EtFOSE-M	48.7		15-130
STL02704	d5-NEtPFOSA	81.8		10-130
STL02705	d3-NMePFOSA	84.0		10-130
960315-52-0	13C2 PFDoA	102		40-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30571\20250718-153961.b\25Jul18S-63.d
Lims ID: 480-231006-A-5-A
Client ID: SB1-5'-8'
Sample Type: Client
Inject. Date: 19-Jul-2025 09:55:35 ALS Bottle#: 15 Worklist Smp#: 76
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 480-231006-A-5-A
Misc. Info.: Plate: 2 Rack: 1 410-0153961-076
Operator ID: ETUS023_USR_INS00002 Instrument ID: 30571

Method: \\chromfs\Lancaster\ChromData\30571\20250718-153961.b\30571-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 21-Jul-2025 09:02:43 Calib Date: 18-Jul-2025 17:37:16
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30571\20250718-153904.b\25Jul18-919.d

Column 1 : Det: EXP1
Process Host: CTX1699

First Level Reviewer: P7EB Date: 21-Jul-2025 08:25:37
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4-PFBA										
216.80 > 171.90	2.789	2.834	-0.045	1.000	1931741	2.20		110	10285	
* 4 13C3PFBA										
216.00 > 172.00	2.789	2.834	-0.045		1653378	2.00			1166	
D 8 13C5 PFPeA										
268.30 > 223.00	3.397	3.437	-0.040	0.868	1730995	2.39		119	9086	
D 11 13C2-4:2FTS										
329.10 > 80.90	3.699	3.734	-0.035	0.722	2903525	4.97		106	5003	
D 16 13C5 PFHxA										
318.00 > 273.00	3.913	3.955	-0.042	1.000	2528555	2.24		112	11903	
* 15 13C2 PFHxA										
315.10 > 270.00	3.913	3.955	-0.042		3809972	5.00			11422	
D 20 13C3 PFBS										
302.10 > 79.90	4.052	4.108	-0.056	0.791	2321574	1.94		104	3985	
D 21 13C3 HFPO-DA										
286.90 > 168.90	4.122	4.173	-0.051	1.054	853798	2.13		107	7121	
D 29 13C4 PFHpA										
367.10 > 322.00	4.403	4.453	-0.050	1.125	2064106	2.11		106	5702	
D 31 13C2-6:2FTS										
429.10 > 80.90	4.647	4.685	-0.038	0.907	3089195	5.08		107	7000	
* 37 13C4 PFOA										
417.10 > 372.00	4.882	4.925	-0.043		5830288	5.00			14121	
D 35 13C8 PFOA										
421.10 > 376.00	4.882	4.925	-0.043	1.000	2741502	2.24	✓	112	9726	
* 40 18O2 PFHxS										
403.00 > 83.90	5.125	5.174	-0.049		1906333	1.90			9819	
D 41 13C3 PFHxS										
402.10 > 79.90	5.125	5.183	-0.058	1.000	1906063	1.91		101	5521	

Report Date: 21-Jul-2025 13:35:58 Chrom Revision: 2.3 17-Jul-2025 12:11:26
Data File: \\chromfs\Lancaster\ChromData\30571\20250718-153961.b\25Jul18S-63.d
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 43 13C9 PFNA										
472.10 > 427.00	5.337	5.386	-0.049	1.000	2377628	2.00		100	9183	
* 42 13C5 PFNA										
468.00 > 423.00	5.337	5.386	-0.049		2518433	2.00			7236	
D 46 13C2-8:2FTS										
529.10 > 80.90	5.541	5.597	-0.056	1.081	3241643	4.70		97.8	11764	
D 49 d3-NMeFOSAA										
573.20 > 419.00	5.719	5.769	-0.050	0.945	3017060	4.88		97.6	1225	
D 52 13C6 PFDA										
519.10 > 474.10	5.788	5.843	-0.055	1.000	1888999	2.12		106	5924	
* 51 13C2 PFDA										
515.10 > 470.10	5.788	5.843	-0.055		1748221	2.00			6038	
D 56 d5-NEtFOSAA										
589.20 > 419.00	5.907	5.969	-0.062	0.975	2506207	4.87		97.3	2151	
D 57 13C8 PFOS										
507.10 > 79.90	6.055	6.107	-0.052	1.000	1983375	1.92		100	3755	
* 58 13C4 PFOS										
502.80 > 79.90	6.055	6.116	-0.061		1848456	1.92			5199	
59 PFOS										
498.90 > 79.90	6.055	6.116	-0.061	1.000	460787	0.3302	Target=4.14		130139	
498.90 > 98.80	6.055	6.116	-0.061	1.000	115205		4.00(2.07-6.21)		959	
D 60 13C7 PFUnA										
570.00 > 525.10	6.219	6.280	-0.061	1.074	1790111	2.22		111	11052	
D 27 PFDoA										
615.10 > 570.00	6.645	6.701	-0.056	1.148	1463470	2.05		102	3318	
D 66 13C8 FOSA										
506.10 > 77.80	6.803	6.828	-0.025	1.123	1451865	1.91		95.5	5673	
D 70 13C2 PFTeDA										
715.20 > 670.00	7.430	7.499	-0.069	1.284	956802	1.81		90.5	8395	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	7.795	7.795	0.0	1.287	118215	2.71		54.3	668	
D 76 d3-NMePFOSA										
515.00 > 219.00	7.909	7.909	0.0	1.306	383838	1.68		84.0	3089	
D 77 d9-N-EtFOSE										
639.20 > 58.90	8.031	8.020	0.011	1.326	147731	2.44		48.7	757	
D 79 d5-NEtPFOSA										
531.10 > 219.00	8.103	8.104	-0.001	1.338	490056	1.64		81.8	3679	

QC Flag Legend

Processing Flags

Reagents:

1633_125_IS_V_00375 Amount Added: 50.00 Units: uL

Clean Blank - only results used, not validated

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Client Sample ID: RINSATE Lab Sample ID: 480-231006-6

Matrix: Water Lab File ID: 25Jul15-58.d

Analysis Method: 1633A Date Collected: 07/09/2025 13:00

Extraction Method: 1633A Date Extracted: 07/14/2025 15:43

Sample wt/vol: 125(mL) Date Analyzed: 07/15/2025 18:11

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 7(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 670538 Units: ng/L

Preparation Batch No.: 671022 Instrument ID: 30575

extracted and analyzed within 90 day HT - no qual

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		4.0	1.1
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80
335-67-1	Perfluorooctanoic acid (PFOA)	ND		2.0	0.90
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.0	0.50
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.50
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		2.0	0.50
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	0.50

Clean Blank - only results used, not validated

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: RINSATE
Lab Sample ID: 480-231006-6

Matrix: Water
Lab File ID: 25Jul15-58.d

Analysis Method: 1633A
Date Collected: 07/09/2025 13:00

Extraction Method: 1633A
Date Extracted: 07/14/2025 15:43

Sample wt/vol: 125(mL)
Date Analyzed: 07/15/2025 18:11

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture:
% Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 670538
Units: ng/L

Preparation Batch No.: 671022
Instrument ID: 30575

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	2.5
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	ND		2.0	0.50
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	ND		2.0	0.50
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.50
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5

Clean Blank - only results used, not validated

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Client Sample ID: RINSATE Lab Sample ID: 480-231006-6

Matrix: Water Lab File ID: 25Jul15-58.d

Analysis Method: 1633A Date Collected: 07/09/2025 13:00

Extraction Method: 1633A Date Extracted: 07/14/2025 15:43

Sample wt/vol: 125(mL) Date Analyzed: 07/15/2025 18:11

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 7(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 670538 Units: ng/L

Preparation Batch No.: 671022 Instrument ID: 30575

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	104		5-130
STL01893	13C5 PFPeA	103		40-130
STL02577	13C5 PFHxA	98.4		40-130
STL01892	13C4 PFHpA	96.0		40-130
STL01052	13C8 PFOA	104		40-130
STL02578	13C9 PFNA	105		40-130
STL02579	13C6 PFDA	94.7		40-130
STL02580	13C7 PFUnA	91.4		30-130
STL02116	13C2 PFTeDA	82.7		10-130
STL02337	13C3 PFBS	116		40-135
STL02581	13C3 PFHxS	111		40-130
STL01054	13C8 PFOS	108		40-130
STL01056	13C8 FOSA	95.9		40-130
STL02118	d3-NMeFOSAA	85.0		40-170
STL02117	d5-NEtFOSAA	85.9		25-135
STL02395	13C2 4:2 FTS	108		40-200
STL02279	13C2 6:2 FTS	105		40-200
STL02280	13C2 8:2 FTS	106		40-300
STL02255	13C3 HFPO-DA	100		40-130
STL02277	d7-N-MeFOSE-M	72.9		10-130
STL02278	d9-N-EtFOSE-M	67.9		10-130
STL02704	d5-NEtPFOSA	82.8		10-130
STL02705	d3-NMePFOSA	71.2		10-130
960315-52-0	13C2 PFDoA	78.6		10-130

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-12"-18"
Lab Sample ID: 480-231006-7

Matrix: Solid
Lab File ID: 25JUL24-57.d

Analysis Method: 1633A
Date Collected: 07/09/2025 13:30

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.35(g)
Date Analyzed: 07/25/2025 04:57

extracted and analyzed within 90 day HT - no qual ✓

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 11.2
% Solids: 88.8
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		0.38	0.12
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		0.19	0.058
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.067
335-67-1	Perfluorooctanoic acid (PFOA)	ND		0.19	0.058
375-95-1	Perfluorononanoic acid (PFNA)	ND		0.19	0.058
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.19	0.048
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.19	0.067
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.067
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.067
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.058
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.072	J ✓	0.19	0.048
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.067
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.28	✓	0.19	0.11
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.067
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.058
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.38	0.096
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.38	0.12
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.38	0.12
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.086
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.086
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.096

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-12"-18"
Lab Sample ID: 480-231006-7

Matrix: Solid
Lab File ID: 25JUL24-57.d

Analysis Method: 1633A
Date Collected: 07/09/2025 13:30

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.35(g)
Date Analyzed: 07/25/2025 04:57

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 11.2 % Solids: 88.8
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.077
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.11
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.96	0.29
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.96	0.29
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.11
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.058
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.067
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.067
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	ND		0.19	0.086
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	ND		0.19	0.077
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.19	0.048
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.38	0.19
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.96	0.48
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.96	0.38

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-12"-18"
Lab Sample ID: 480-231006-7

Matrix: Solid
Lab File ID: 25JUL24-57.d

Analysis Method: 1633A
Date Collected: 07/09/2025 13:30

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.35(g)
Date Analyzed: 07/25/2025 04:57

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 11.2 % Solids: 88.8
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	79.4		8-130
STL01893	13C5 PFPeA	82.5		35-130
STL02577	13C5 PFHxA	82.7		40-130
STL01892	13C4 PFHpA	75.5		40-130
STL01052	13C8 PFOA	86.0		40-130
STL02578	13C9 PFNA	76.0		40-130
STL02579	13C6 PFDA	67.9		40-130
STL02580	13C7 PFUnA	84.3		40-130
STL02116	13C2 PFTeDA	55.0		20-130
STL02337	13C3 PFBS	74.9		40-135
STL02581	13C3 PFHxS	73.3		40-130
STL01054	13C8 PFOS	71.9		40-130
STL01056	13C8 FOSA	65.6		40-130
STL02118	d3-NMeFOSAA	72.9		40-135
STL02117	d5-NEtFOSAA	70.9		40-150
STL02395	13C2 4:2 FTS	71.9		40-165
STL02279	13C2 6:2 FTS	70.4		40-215
STL02280	13C2 8:2 FTS	65.2		40-275
STL02255	13C3 HFPO-DA	82.0		40-130
STL02277	d7-N-MeFOSE-M	42.3		20-130
STL02278	d9-N-EtFOSE-M	40.8		15-130
STL02704	d5-NEtPFOSA	53.0		10-130
STL02705	d3-NMePFOSA	60.1		10-130
960315-52-0	13C2 PFDoA	72.5		40-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30569\20250724-154474.b\25JUL24-57.d
Lims ID: 480-231006-A-7-A
Client ID: SB2-12"-18"
Sample Type: Client
Inject. Date: 25-Jul-2025 04:57:45 ALS Bottle#: 5 Worklist Smp#: 55
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 480-231006-A-7-A
Misc. Info.: Plate: 2 Rack: 1 410-0154474-055
Operator ID: ETUS023_USR_INS00004 Instrument ID: 30569

Method: \\chromfs\Lancaster\ChromData\30569\20250724-154474.b\30569-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 25-Jul-2025 09:21:10 Calib Date: 22-Jul-2025 16:23:19
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30569\20250722-154214.b\25JUL22CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1656

First Level Reviewer: QY4X Date: 25-Jul-2025 09:18:15
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 4 13C4-PFBA										
216.80 > 171.90	4.116	4.138	-0.022	1.000	1253668	1.59		79.4	12021	
* 5 13C3PFBA										
216.00 > 172.00	4.116	4.145	-0.029		1528558	2.00			5525	
D 9 13C5 PFPeA										
268.30 > 223.00	4.741	4.755	-0.014	0.913	1465450	1.65		82.5	8252	
8 PFPA										
263.00 > 219.00	4.741	4.755	-0.014	1.000	12585	0.0172			5.0	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.008	5.025	-0.017	0.805	3725517	3.37		71.9	3838	
D 16 13C5 PFHxA										
318.00 > 273.00	5.191	5.207	-0.016	1.000	1879109	1.65		82.7	10231	
* 15 13C2 PFHxA										
315.10 > 270.00	5.191	5.218	-0.027		4619377	5.00			60961	
17 PFHxA										
313.00 > 269.00	5.191	5.218	-0.027	1.000	11677	0.0143	Target=11.69		9.9	
313.00 > 118.90	5.191	5.218	-0.027	1.000	1797		6.50(5.85-17.54)		13.4	
D 19 13C3 PFBS										
302.10 > 79.90	5.326	5.357	-0.031	0.856	2200336	1.40		74.9	2977	
D 21 13C3 HFPO-DA										
286.90 > 168.90	5.372	5.396	-0.024	1.035	1224035	1.64		82.0	6660	
D 28 13C4 PFHpA										
367.10 > 322.00	5.607	5.645	-0.038	1.080	1540986	1.51		75.5	6311	
D 31 13C2-6:2FTS										
429.10 > 80.90	5.792	5.846	-0.054	0.931	3452840	3.35		70.4	5500	

Report Date: 25-Jul-2025 09:22:34 Chrom Revision: 2.3 21-Jul-2025 14:07:10
Data File: \\chromfs\Lancaster\ChromData\30569\20250724-154474.b\25JUL24-57.d
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										M
413.00 > 369.00	6.002	6.056	-0.054	1.001	11218	0.0189	Target=2.03		426	M
413.00 > 169.00	6.002	6.056	-0.054	1.001	4263		2.63(1.01-3.04)		2104	
D 34 13C8 PFOA										
421.10 > 376.00	5.994	6.056	-0.062	1.000	1948494	1.72	✓	86.0	2805	
* 35 13C4 PFOA										
417.10 > 372.00	5.994	6.056	-0.062		4978572	5.00			7113	
* 40 18O2 PFHxS										
403.00 > 83.90	6.223	6.287	-0.064		1879641	1.90			6997	
D 39 13C3 PFHxS										
402.10 > 79.90	6.223	6.287	-0.064	1.000	1659678	1.39		73.3	4554	
38 PFHxS										
398.70 > 79.90	6.231	6.296	-0.065	1.001	17534 ✓	0.0299	Target=3.31 ✓		2590	✓ ✓
398.70 > 98.90	6.215	6.296	-0.081	0.999	3996		4.39(1.65-4.96)		12.3	
D 41 13C9 PFNA										
472.10 > 427.00	6.398	6.459	-0.061	1.000	1536238	1.52		76.0	2287	
* 42 13C5 PFNA										
468.00 > 423.00	6.398	6.459	-0.061		1831476	2.00			2658	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.580	6.644	-0.064	1.057	3252505	3.13		65.2	5829	
D 48 d3-NMeFOSAA										
573.00 > 419.00	6.743	6.800	-0.057	0.955	2931998	3.64		72.9	1821	
D 50 13C6 PFDA										
519.10 > 474.10	6.805	6.877	-0.072	1.000	1324167	1.36		67.9	3524	
* 51 13C2 PFDA										
515.10 > 470.10	6.805	6.877	-0.072		1740348	2.00			6159	
D 54 d5-NEtFOSAA										
589.20 > 419.00	6.922	6.987	-0.065	0.980	1993276	3.54		70.9	4613	
* 57 13C4 PFOS										
502.80 > 79.90	7.064	7.132	-0.068		1583173	1.92			5193	
D 58 13C8 PFOS										
507.10 > 79.90	7.064	7.132	-0.068	1.000	1446762	1.38		71.9	2941	
56 PFOS										
498.90 > 79.90	7.064	7.142	-0.078	1.000	109734 ✓	0.1175	Target=4.50 ✓		13652	✓ ✓
498.90 > 98.80	7.064	7.142	-0.078	1.000	24544		4.47(2.25-6.75)		97.3	
D 60 13C7 PFUnA										
570.00 > 525.10	7.219	7.285	-0.066	1.061	1540289	1.69		84.3	4810	
D 63 13C2 PFDoA										
615.10 > 570.00	7.614	7.679	-0.065	1.119	1098808	1.45		72.5	1637	
D 66 13C8 FOSA										
506.10 > 77.80	7.872	7.900	-0.028	1.114	1044301	1.31		65.6	4018	
D 71 13C2 PFTeDA										
715.20 > 670.00	8.413	8.460	-0.047	1.236	658111	1.10		55.0	5232	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.792	8.769	0.023	1.245	152549	2.11		42.3	249	
D 75 d3-NMePFOSA										
515.00 > 219.00	8.908	8.887	0.021	1.261	313040	1.20		60.1	3269	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.030	9.011	0.019	1.278	222689	2.04		40.8	601	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.119	9.100	0.019	1.291	387171	1.06		53.0	2148	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_IS_V_00386 Amount Added: 50.00 Units: uL

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-12"-18" DUP
Lab Sample ID: 480-231006-8

Matrix: Solid
Lab File ID: 25JUL24-58.d

Analysis Method: 1633A
Date Collected: 07/09/2025 13:30

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.26(g)
Date Analyzed: 07/25/2025 05:11

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 7.2 % Solids: 92.8
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

extracted and analyzed within 90 day HT - no qual

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		0.38	0.12
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		0.19	0.048
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		0.19	0.057
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.067
335-67-1	Perfluorooctanoic acid (PFOA)	ND		0.19	0.057
375-95-1	Perfluorononanoic acid (PFNA)	ND		0.19	0.057
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.19	0.048
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.048
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.19	0.048
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.19	0.067
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.067
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.067
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.057
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.060	J	0.19	0.048
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.067
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.28		0.19	0.10
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.067
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.057
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.38	0.095
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.38	0.12
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.38	0.12
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.086
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.086
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.095

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-12"-18" DUP
Lab Sample ID: 480-231006-8

Matrix: Solid
Lab File ID: 25JUL24-58.d

Analysis Method: 1633A
Date Collected: 07/09/2025 13:30

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.26(g)
Date Analyzed: 07/25/2025 05:11

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 7.2 % Solids: 92.8
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.076
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.10
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.95	0.29
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.95	0.29
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.10
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.057
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.067
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.048
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.067
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	ND		0.19	0.086
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	ND		0.19	0.076
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.19	0.048
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.38	0.19
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.95	0.48
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.95	0.38

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-12"-18" DUP
Lab Sample ID: 480-231006-8

Matrix: Solid
Lab File ID: 25JUL24-58.d

Analysis Method: 1633A
Date Collected: 07/09/2025 13:30

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.26(g)
Date Analyzed: 07/25/2025 05:11

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 7.2 % Solids: 92.8
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	83.3		8-130
STL01893	13C5 PFPeA	94.4		35-130
STL02577	13C5 PFHxA	90.6		40-130
STL01892	13C4 PFHpA	88.0		40-130
STL01052	13C8 PFOA	88.2		40-130
STL02578	13C9 PFNA	99.5		40-130
STL02579	13C6 PFDA	90.2		40-130
STL02580	13C7 PFUnA	94.5		40-130
STL02116	13C2 PFTeDA	76.5		20-130
STL02337	13C3 PFBS	78.2		40-135
STL02581	13C3 PFHxS	81.9		40-130
STL01054	13C8 PFOS	79.8		40-130
STL01056	13C8 FOSA	78.2		40-130
STL02118	d3-NMeFOSAA	92.2		40-135
STL02117	d5-NEtFOSAA	88.3		40-150
STL02395	13C2 4:2 FTS	74.6		40-165
STL02279	13C2 6:2 FTS	76.7		40-215
STL02280	13C2 8:2 FTS	76.0		40-275
STL02255	13C3 HFPO-DA	88.6		40-130
STL02277	d7-N-MeFOSE-M	47.4		20-130
STL02278	d9-N-EtFOSE-M	45.4		15-130
STL02704	d5-NEtPFOSA	68.4		10-130
STL02705	d3-NMePFOSA	70.0		10-130
960315-52-0	13C2 PFDoA	79.2		40-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30569\20250724-154474.b\25JUL24-58.d
Lims ID: 480-231006-A-8-A
Client ID: SB2-12"-18" DUP
Sample Type: Client
Inject. Date: 25-Jul-2025 05:11:20 ALS Bottle#: 6 Worklist Smp#: 56
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 480-231006-A-8-A
Misc. Info.: Plate: 2 Rack: 1 410-0154474-056
Operator ID: ETUS023_USR_INS00004 Instrument ID: 30569

Method: \\chromfs\Lancaster\ChromData\30569\20250724-154474.b\30569-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 25-Jul-2025 09:21:10 Calib Date: 22-Jul-2025 16:23:19
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30569\20250722-154214.b\25JUL22CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1656

First Level Reviewer: QY4X Date: 25-Jul-2025 09:19:07
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 4 13C4-PFBA										
216.80 > 171.90	4.107	4.138	-0.031	1.000	1281335	1.67		83.3	10609	
* 5 13C3PFBA										
216.00 > 172.00	4.107	4.145	-0.038		1489206	2.00			5262	
D 9 13C5 PFPeA										
268.30 > 223.00	4.730	4.755	-0.025	0.912	1577217	1.89		94.4	7040	
8 PFPA										7M
263.00 > 219.00	4.738	4.755	-0.017	1.002	9540	0.0121			3.6	7M
LOD = 0.0125										
D 11 13C2-4:2FTS										
329.10 > 80.90	5.005	5.025	-0.020	0.804	3846731	3.50		74.6	3103	
D 16 13C5 PFHxA										
318.00 > 273.00	5.187	5.207	-0.020	1.000	1936101	1.81		90.6	10875	
* 15 13C2 PFHxA										
315.10 > 270.00	5.187	5.218	-0.031		4345350	5.00			55491	
17 PFHxA										M
313.00 > 269.00	5.187	5.218	-0.031	1.000	12702	0.0151	Target=11.69		9.1	M
313.00 > 118.90	5.187	5.218	-0.031	1.000	1443		8.80(5.85-17.54)		10.9	
D 19 13C3 PFBS										
302.10 > 79.90	5.321	5.357	-0.036	0.855	2286328	1.46		78.2	3022	
D 21 13C3 HFPO-DA										
286.90 > 168.90	5.376	5.396	-0.020	1.036	1244341	1.77		88.6	4009	
D 28 13C4 PFHpA										
367.10 > 322.00	5.601	5.645	-0.044	1.080	1690513	1.76		88.0	4237	
D 31 13C2-6:2FTS										
429.10 > 80.90	5.807	5.846	-0.039	0.933	3741343	3.65		76.7	11564	

Report Date: 25-Jul-2025 09:22:40 Chrom Revision: 2.3 21-Jul-2025 14:07:10
Data File: \\chromfs\Lancaster\ChromData\30569\20250724-154474.b\25JUL24-58.d
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										M
413.00 > 369.00	6.006	6.056	-0.050	1.000	11245	0.0186	Target=2.03		319	M
413.00 > 169.00	5.989	6.056	-0.067	0.997	5146		2.19(1.01-3.04)		752	M
D 34 13C8 PFOA										
421.10 > 376.00	6.006	6.056	-0.050	1.000	1985157	1.76		88.2	4270	
* 35 13C4 PFOA										
417.10 > 372.00	6.006	6.056	-0.050		4945167	5.00			5200	
* 40 18O2 PFHxS										
403.00 > 83.90	6.227	6.287	-0.060		1871305	1.90			13058	
D 39 13C3 PFHxS										
402.10 > 79.90	6.227	6.287	-0.060	1.000	1846662	1.55		81.9	3542	
38 PFHxS										
398.70 > 79.90	6.235	6.296	-0.061	1.001	16354	0.0251	Target=3.31		1473	
398.70 > 98.90	6.227	6.296	-0.069	1.000	5374		3.04(1.65-4.96)		1828	
D 41 13C9 PFNA										
472.10 > 427.00	6.404	6.459	-0.055	1.000	1756479	1.99		99.5	3194	
* 42 13C5 PFNA										
468.00 > 423.00	6.404	6.459	-0.055		1598868	2.00			3759	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.574	6.644	-0.070	1.056	3770838	3.65		76.0	5568	
D 48 d3-NMeFOSAA										
573.00 > 419.00	6.738	6.800	-0.062	0.955	3651559	4.61		92.2	2271	
D 50 13C6 PFDA										
519.10 > 474.10	6.800	6.877	-0.077	1.000	1757763	1.80		90.2	4102	
* 51 13C2 PFDA										
515.10 > 470.10	6.800	6.877	-0.077		1738831	2.00			8217	
D 54 d5-NEtFOSAA										
589.20 > 419.00	6.907	6.987	-0.080	0.979	2441932	4.41		88.3	5306	
* 57 13C4 PFOS										
502.80 > 79.90	7.058	7.132	-0.074		1557617	1.92			4337	
D 58 13C8 PFOS										
507.10 > 79.90	7.058	7.132	-0.074	1.000	1578974	1.53		79.8	2428	
56 PFOS										
498.90 > 79.90	7.058	7.142	-0.084	1.000	118447	0.1162	Target=4.50		8909	
498.90 > 98.80	7.048	7.142	-0.094	0.999	23602		5.02(2.25-6.75)		77.5	
D 60 13C7 PFUnA										
570.00 > 525.10	7.192	7.285	-0.093	1.058	1724937	1.89		94.5	3239	
D 63 13C2 PFDoA										
615.10 > 570.00	7.588	7.679	-0.091	1.116	1200175	1.58		79.2	1926	
D 66 13C8 FOSA										
506.10 > 77.80	7.851	7.900	-0.049	1.112	1225462	1.56		78.2	8010	
D 71 13C2 PFTeDA										
715.20 > 670.00	8.378	8.460	-0.082	1.232	914313	1.53		76.5	8275	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.741	8.769	-0.028	1.238	168440	2.37		47.4	288	
D 75 d3-NMePFOSA										
515.00 > 219.00	8.862	8.887	-0.025	1.256	358702	1.40		70.0	2544	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 77 d9-N-EtFOSE										
639.20 > 58.90	8.986	9.011	-0.025	1.273	243448	2.27		45.4	736	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.067	9.100	-0.033	1.285	491793	1.37		68.4	3051	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

1633_125_IS_V_00386 Amount Added: 50.00 Units: uL

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-24"-36" Lab Sample ID: 480-231006-11

Matrix: Solid Lab File ID: 25JUL24-59.d

Analysis Method: 1633A Date Collected: 07/09/2025 13:30

Extraction Method: 1633A Shake Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.19(g) Date Analyzed: 07/25/2025 05:24

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 7(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 8.8 % Solids: 91.2 GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863 Units: ng/g

Preparation Batch No.: 674050 Instrument ID: 30569

extracted and analyzed within 90 day HT - no qual

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		0.40	0.13
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.070
335-67-1	Perfluorooctanoic acid (PFOA)	ND		0.20	0.060
375-95-1	Perfluorononanoic acid (PFNA)	ND		0.20	0.060
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.20	0.050
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.070
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.070
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.070
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.074	J	0.20	0.050
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.070
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.40		0.20	0.11
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.070
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.090
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.090
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-24"-36"
Lab Sample ID: 480-231006-11

Matrix: Solid
Lab File ID: 25JUL24-59.d

Analysis Method: 1633A
Date Collected: 07/09/2025 13:30

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.19(g)
Date Analyzed: 07/25/2025 05:24

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 8.8 % Solids: 91.2
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.080
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.30
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.30
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.070
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.070
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	ND		0.20	0.090
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	ND		0.20	0.080
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.40

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-24"-36"
Lab Sample ID: 480-231006-11

Matrix: Solid
Lab File ID: 25JUL24-59.d

Analysis Method: 1633A
Date Collected: 07/09/2025 13:30

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.19(g)
Date Analyzed: 07/25/2025 05:24

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 8.8 % Solids: 91.2
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	84.2		8-130
STL01893	13C5 PFPeA	95.5		35-130
STL02577	13C5 PFHxA	91.5		40-130
STL01892	13C4 PFHpA	91.0		40-130
STL01052	13C8 PFOA	85.8		40-130
STL02578	13C9 PFNA	86.3		40-130
STL02579	13C6 PFDA	87.0		40-130
STL02580	13C7 PFUnA	90.5		40-130
STL02116	13C2 PFTeDA	70.4		20-130
STL02337	13C3 PFBS	79.8		40-135
STL02581	13C3 PFHxS	81.0		40-130
STL01054	13C8 PFOS	80.6		40-130
STL01056	13C8 FOSA	76.4		40-130
STL02118	d3-NMeFOSAA	93.4		40-135
STL02117	d5-NEtFOSAA	91.5		40-150
STL02395	13C2 4:2 FTS	79.8		40-165
STL02279	13C2 6:2 FTS	79.1		40-215
STL02280	13C2 8:2 FTS	75.3		40-275
STL02255	13C3 HFPO-DA	89.9		40-130
STL02277	d7-N-MeFOSE-M	50.4		20-130
STL02278	d9-N-EtFOSE-M	43.7		15-130
STL02704	d5-NEtPFOSA	64.0		10-130
STL02705	d3-NMePFOSA	70.0		10-130
960315-52-0	13C2 PFDoA	79.2		40-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30569\20250724-154474.b\25JUL24-59.d
Lims ID: 480-231006-A-11-A
Client ID: SB2-24"-36"
Sample Type: Client
Inject. Date: 25-Jul-2025 05:24:56 ALS Bottle#: 7 Worklist Smp#: 57
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 480-231006-A-11-A
Misc. Info.: Plate: 2 Rack: 1 410-0154474-057
Operator ID: ETUS023_USR_INS00004 Instrument ID: 30569

Method: \\chromfs\Lancaster\ChromData\30569\20250724-154474.b\30569-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 25-Jul-2025 09:21:10 Calib Date: 22-Jul-2025 16:23:19
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30569\20250722-154214.b\25JUL22CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1656

First Level Reviewer: QY4X Date: 25-Jul-2025 09:19:44
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 4 13C4-PFBA										
216.80 > 171.90	4.093	4.138	-0.045	0.998	1354794	1.68		84.2	15015	
* 5 13C3PFBA										
216.00 > 172.00	4.101	4.145	-0.044		1556405	2.00			5078	
D 9 13C5 PFPeA										
268.30 > 223.00	4.733	4.755	-0.022	0.912	1656857	1.91		95.5	6823	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.009	5.025	-0.016	0.803	4192598	3.74		79.8	3194	
D 16 13C5 PFHxA										
318.00 > 273.00	5.192	5.207	-0.015	1.000	2032586	1.83		91.5	10546	
* 15 13C2 PFHxA										
315.10 > 270.00	5.192	5.218	-0.026		4515580	5.00			56037	
D 19 13C3 PFBS										
302.10 > 79.90	5.326	5.357	-0.031	0.854	2377303	1.49		79.8	1675	
D 21 13C3 HFPO-DA										
286.90 > 168.90	5.373	5.396	-0.023	1.035	1311502	1.80		89.9	5092	
D 28 13C4 PFHpA										
367.10 > 322.00	5.618	5.645	-0.027	1.082	1817606	1.82		91.0	4649	
D 31 13C2-6:2FTS										
429.10 > 80.90	5.812	5.846	-0.034	0.932	3933914	3.77		79.1	4157	
36 PFOA										RM
413.00 > 369.00	6.028	6.056	-0.028	1.001	13301	0.0209	Target=2.03		308	RM
413.00 > 169.00	6.028	6.056	-0.028	1.001	3592		3.70(1.01-3.04)		1503	
D 34 13C8 PFOA										
421.10 > 376.00	6.019	6.056	-0.037	1.000	2090297	1.72	✓	85.8	4145	
* 35 13C4 PFOA										
417.10 > 372.00	6.019	6.056	-0.037		5351525	5.00			3454	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 40 18O2 PFHxS										
403.00 > 83.90	6.239	6.287	-0.048		1906580	1.90			10463	
D 39 13C3 PFHxS										
402.10 > 79.90	6.239	6.287	-0.048	1.000	1861319	1.54		81.0	2701	
38 PFHxS										M
398.70 > 79.90	6.248	6.296	-0.048	1.001	19465	0.0296	Target=3.31		1050	M
398.70 > 98.90	6.248	6.296	-0.048	1.001	5274		3.69(1.65-4.96)		19.9	
D 41 13C9 PFNA										
472.10 > 427.00	6.418	6.459	-0.041	1.000	1712468	1.73		86.3	2977	
* 42 13C5 PFNA										
468.00 > 423.00	6.418	6.459	-0.041		1797967	2.00			5533	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.588	6.644	-0.056	1.056	3808705	3.61		75.3	4510	
D 48 d3-NMeFOSAA										
573.00 > 419.00	6.751	6.800	-0.049	0.954	3744305	4.67		93.4	2072	
D 50 13C6 PFDA										
519.10 > 474.10	6.814	6.877	-0.063	1.000	1782791	1.74		87.0	4281	
* 51 13C2 PFDA										
515.10 > 470.10	6.814	6.877	-0.063		1829269	2.00			6948	
D 54 d5-NEtFOSAA										
589.20 > 419.00	6.931	6.987	-0.056	0.980	2560269	4.57		91.5	2256	
* 57 13C4 PFOS										
502.80 > 79.90	7.074	7.132	-0.058		1576350	1.92			4764	
D 58 13C8 PFOS										
507.10 > 79.90	7.074	7.132	-0.058	1.000	1613957	1.54		80.6	1714	
56 PFOS										
498.90 > 79.90	7.074	7.142	-0.068	1.000	164929	0.1584	Target=4.50		5511	
498.90 > 98.80	7.074	7.142	-0.068	1.000	33842		4.87(2.25-6.75)		102	
D 60 13C7 PFUnA										
570.00 > 525.10	7.219	7.285	-0.066	1.059	1738512	1.81		90.5	3476	
D 63 13C2 PFDoA										
615.10 > 570.00	7.622	7.679	-0.057	1.119	1261911	1.58		79.2	2247	
D 66 13C8 FOSA										
506.10 > 77.80	7.880	7.900	-0.020	1.114	1211371	1.53		76.4	2599	
D 71 13C2 PFTeDA										
715.20 > 670.00	8.426	8.460	-0.034	1.237	884467	1.41		70.4	3093	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.792	8.769	0.023	1.243	181015	2.52		50.4	345	
D 75 d3-NMePFOSA										
515.00 > 219.00	8.896	8.887	0.009	1.257	363201	1.40		70.0	3166	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.019	9.011	0.008	1.275	237184	2.18		43.7	586	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.108	9.100	0.008	1.287	465911	1.28		64.0	3014	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Reagents:

1633_125_IS_V_00386 Amount Added: 50.00 Units: uL

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-12"-5'
Lab Sample ID: 480-231006-12

Matrix: Solid
Lab File ID: 25Jul18S-64.d

Analysis Method: 1633A
Date Collected: 07/09/2025 13:30

Extraction Method: 1633A Shake
Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.27(g)
Date Analyzed: 07/19/2025 10:09

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 10.3 % Solids: 89.7
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475
Units: ng/g

Preparation Batch No.: 673310
Instrument ID: 30571

extracted and analyzed within 90 day HT - no qual ✓

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		0.39	0.13
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		0.20	0.049
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		0.20	0.059
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.069
335-67-1	Perfluorooctanoic acid (PFOA)	ND		0.20	0.059
375-95-1	Perfluorononanoic acid (PFNA)	ND		0.20	0.059
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.20	0.049
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.054	J ✓	0.20	0.049
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.20	0.049
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.069
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.069
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.069
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.059
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.087	J ✓	0.20	0.049
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.069
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.4	✓	0.20	0.11
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.069
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.049
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.098
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.39	0.13
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.13
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.088
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.088
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.098

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-12"-5'
Lab Sample ID: 480-231006-12

Matrix: Solid
Lab File ID: 25Jul18S-64.d

Analysis Method: 1633A
Date Collected: 07/09/2025 13:30

Extraction Method: 1633A Shake
Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.27(g)
Date Analyzed: 07/19/2025 10:09

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 10.3 % Solids: 89.7
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475
Units: ng/g

Preparation Batch No.: 673310
Instrument ID: 30571

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.079
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.35	J	0.98	0.29
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.33	J	0.98	0.29
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.059
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.069
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.049
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.069
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	ND		0.20	0.088
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	ND		0.20	0.079
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.049
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.20
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.98	0.49
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.98	0.39

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-12"-5'
Lab Sample ID: 480-231006-12

Matrix: Solid
Lab File ID: 25Jul18S-64.d

Analysis Method: 1633A
Date Collected: 07/09/2025 13:30

Extraction Method: 1633A Shake
Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.27(g)
Date Analyzed: 07/19/2025 10:09

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 10.3 % Solids: 89.7
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475
Units: ng/g

Preparation Batch No.: 673310
Instrument ID: 30571

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	127		8-130
STL01893	13C5 PFPeA	124		35-130
STL02577	13C5 PFHxA	122		40-130
STL01892	13C4 PFHpA	116		40-130
STL01052	13C8 PFOA	112		40-130
STL02578	13C9 PFNA	101		40-130
STL02579	13C6 PFDA	78.0		40-130
STL02580	13C7 PFUnA	59.7		40-130
STL02116	13C2 PFTeDA	71.3		20-130
STL02337	13C3 PFBS	107		40-135
STL02581	13C3 PFHxS	80.8		40-130
STL01054	13C8 PFOS	40.9		40-130
STL01056	13C8 FOSA	88.2		40-130
STL02118	d3-NMeFOSAA	80.1		40-135
STL02117	d5-NEtFOSAA	68.5		40-150
STL02395	13C2 4:2 FTS	123		40-165
STL02279	13C2 6:2 FTS	108		40-215
STL02280	13C2 8:2 FTS	83.2		40-275
STL02255	13C3 HFPO-DA	113		40-130
STL02277	d7-N-MeFOSE-M	66.8		20-130
STL02278	d9-N-EtFOSE-M	62.4		15-130
STL02704	d5-NEtPFOSA	64.2		10-130
STL02705	d3-NMePFOSA	65.9		10-130
960315-52-0	13C2 PFDoA	56.4		40-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30571\20250718-153961.b\25Jul18S-64.d
Lims ID: 480-231006-A-12-A
Client ID: SB2-12"-5'
Sample Type: Client
Inject. Date: 19-Jul-2025 10:09:12 ALS Bottle#: 16 Worklist Smp#: 77
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 480-231006-A-12-A
Misc. Info.: Plate: 2 Rack: 1 410-0153961-077
Operator ID: ETUS023_USR_INS00002 Instrument ID: 30571

Method: \\chromfs\Lancaster\ChromData\30571\20250718-153961.b\30571-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 21-Jul-2025 09:02:43 Calib Date: 18-Jul-2025 17:37:16
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30571\20250718-153904.b\25Jul18-919.d

Column 1 : Det: EXP1
Process Host: CTX1699

First Level Reviewer: P7EB Date: 21-Jul-2025 08:27:26
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4-PFBA										
216.80 > 171.90	2.788	2.834	-0.046	1.000	1975769	2.53		127	13703	
* 4 13C3PFBA										
216.00 > 172.00	2.788	2.834	-0.046		1470122	2.00			1034	
D 8 13C5 PFPeA										
268.30 > 223.00	3.396	3.437	-0.041	0.868	1758738	2.49		124	6578	
D 11 13C2-4:2FTS										
329.10 > 80.90	3.698	3.734	-0.036	0.722	2780434	5.76		123	2162	
D 16 13C5 PFHxA										
318.00 > 273.00	3.904	3.955	-0.051	0.998	2677235	2.43		122	10965	
* 15 13C2 PFHxA										
315.10 > 270.00	3.913	3.955	-0.042		3715262	5.00			10739	
D 20 13C3 PFBS										
302.10 > 79.90	4.052	4.108	-0.056	0.791	1979075	2.00		107	643	
D 21 13C3 HFPO-DA										
286.90 > 168.90	4.122	4.173	-0.051	1.054	881524	2.26		113	4858	
D 29 13C4 PFHpA										
367.10 > 322.00	4.403	4.453	-0.050	1.125	2207217	2.32		116	7905	
D 31 13C2-6:2FTS										
429.10 > 80.90	4.647	4.685	-0.038	0.907	2590661	5.16		108	3023	
* 37 13C4 PFOA										
417.10 > 372.00	4.874	4.925	-0.051		4956429	5.00			10127	
D 35 13C8 PFOA										
421.10 > 376.00	4.874	4.925	-0.051	1.000	2327636	2.23	✓	112	7321	
36 PFOA										M
413.00 > 369.00	4.882	4.933	-0.051	1.002	15953	0.0139	Target=1.41		19.2	M
413.00 > 169.00	4.882	4.933	-0.051	1.002	7552		2.11(0.71-2.12)		26.3	M

Report Date: 21-Jul-2025 13:36:05 Chrom Revision: 2.3 17-Jul-2025 12:11:26
Data File: \\chromfs\Lancaster\ChromData\30571\20250718-153961.b\25Jul18S-64.d
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 40 18O2 PFHxS										
403.00 > 83.90	5.125	5.174	-0.049		1575542	1.90			5152	
D 41 13C3 PFHxS										
402.10 > 79.90	5.115	5.183	-0.068	0.998	1261741	1.53		80.8	1134	
39 PFHxS										M
398.70 > 79.90	5.115	5.183	-0.068	1.000	29290	0.0354	Target=3.28		1752	M
398.70 > 98.90	5.125	5.183	-0.058	1.002	6566		4.46(1.64-4.92)		32.5	
D 43 13C9 PFNA										
472.10 > 427.00	5.337	5.386	-0.049	1.000	2011242	2.02		101	8296	
44 PFNA										RM
463.00 > 419.00	5.337	5.386	-0.049	1.000	22548	0.0141	Target=2.24		2344	RM
463.00 > 219.00	5.348	5.386	-0.038	1.002	5718		3.94(1.12-3.36)		56.4	M
* 42 13C5 PFNA										
468.00 > 423.00	5.337	5.386	-0.049		2113351	2.00			12034	
D 46 13C2-8:2FTS										
529.10 > 80.90	5.541	5.597	-0.056	1.081	2278671	3.99		83.2	4624	
D 49 d3-NMeFOSAA										
573.20 > 419.00	5.719	5.769	-0.050	0.944	2151233	4.00		80.1	2266	
50 NMeFOSAA										M
570.10 > 419.00	5.719	5.769	-0.050	1.000	8817	0.0210	Target=1.77		33.0	M
570.10 > 483.00	5.719	5.769	-0.050	1.000	4161		2.12(0.88-2.65)		8.5	M
D 52 13C6 PFDA										
519.10 > 474.10	5.780	5.843	-0.063	1.000	1201421	1.56		78.0	5089	
* 51 13C2 PFDA										
515.10 > 470.10	5.780	5.843	-0.063		1512954	2.00			7175	
D 56 d5-NEtFOSAA										
589.20 > 419.00	5.907	5.969	-0.062	0.975	1532722	3.43		68.5	1737	
55 NEtFOSAA										M
584.20 > 419.10	5.928	5.980	-0.052	1.004	9558	0.0333	Target=1.38		40.9	M
584.20 > 526.00	5.918	5.980	-0.062	1.002	7479		1.28(0.69-2.08)		45.2	
D 57 13C8 PFOS										
507.10 > 79.90	6.055	6.107	-0.052	1.000	704597	0.7838		40.9	475	
* 58 13C4 PFOS										
502.80 > 79.90	6.055	6.116	-0.061		1605455	1.92			1822	
59 PFOS										
498.90 > 79.90	6.055	6.116	-0.061	1.000	285725	0.5764	Target=4.14		32198	
498.90 > 98.80	6.055	6.116	-0.061	1.000	56783		5.03(2.07-6.21)		465	
D 60 13C7 PFUnA										
570.00 > 525.10	6.219	6.280	-0.061	1.076	831591	1.19		59.7	5728	
61 PFUnA										
563.10 > 519.00	6.219	6.280	-0.061	1.000	5542	0.0221	Target=3.82		30.4	
563.10 > 269.10	6.212	6.280	-0.068	0.999	1324		4.19(1.91-5.73)		15.8	
D 27 PFDoA										
615.10 > 570.00	6.645	6.701	-0.056	1.150	697700	1.13		56.4	2653	
D 66 13C8 FOSA										
506.10 > 77.80	6.803	6.828	-0.025	1.123	1165088	1.76		88.2	5314	

Report Date: 21-Jul-2025 13:36:05 Chrom Revision: 2.3 17-Jul-2025 12:11:26
Data File: \\chromfs\Lancaster\ChromData\30571\20250718-153961.b\25Jul18S-64.d
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 70 13C2 PFTeDA										
715.20 > 670.00	7.431	7.499	-0.068	1.286	652487	1.43		71.3	6776	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	7.808	7.795	0.013	1.290	126390	3.34		66.8	702	
74 N-MeFOSE-M										M
616.10 > 58.90	7.808	7.820	-0.012	1.000	8952	0.1438			38.9	M
D 76 d3-NMePFOSA										
515.00 > 219.00	7.910	7.909	0.001	1.306	261471	1.32		65.9	2103	
D 77 d9-N-EtFOSE										
639.20 > 58.90	8.032	8.020	0.012	1.326	164379	3.12		62.4	791	
78 N-EtFOSE-M										M
630.00 > 58.90	8.043	8.042	0.001	1.001	12035	0.1342			39.3	M
D 79 d5-NEtPFOSA										
531.10 > 219.00	8.104	8.104	0.0	1.338	333976	1.28		64.2	2533	

QC Flag Legend

Processing Flags
R - Failed Signal Ratio Test
Review Flags
M - Manually Integrated

Reagents:

1633_125_IS_V_00375 Amount Added: 50.00 Units: uL

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-9'-10'
Lab Sample ID: 480-231006-13

Matrix: Solid
Lab File ID: 25JUL24-60.d

Analysis Method: 1633A
Date Collected: 07/09/2025 14:00

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.28(g)
Date Analyzed: 07/25/2025 05:38

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 12.2 % Solids: 87.8
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

extracted and analyzed within 90 day HT - no qual

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		0.40	0.13
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.070
335-67-1	Perfluorooctanoic acid (PFOA)	0.061	J	0.20	0.060
375-95-1	Perfluorononanoic acid (PFNA)	ND		0.15	0.15
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.20	0.050
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.070
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.070
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.070
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.28		0.20	0.050
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.22		0.20	0.070
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	5.4		0.20	0.11
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.070
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.090
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.090
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-9'-10'
Lab Sample ID: 480-231006-13

Matrix: Solid
Lab File ID: 25JUL24-60.d

Analysis Method: 1633A
Date Collected: 07/09/2025 14:00

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.28(g)
Date Analyzed: 07/25/2025 05:38

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 12.2 % Solids: 87.8
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.080
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.30
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.30
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.070
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.070
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	ND		0.20	0.090
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	ND		0.20	0.080
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.40

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB2-9'-10'
Lab Sample ID: 480-231006-13

Matrix: Solid
Lab File ID: 25JUL24-60.d

Analysis Method: 1633A
Date Collected: 07/09/2025 14:00

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.28(g)
Date Analyzed: 07/25/2025 05:38

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 12.2 % Solids: 87.8
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	85.7		8-130
STL01893	13C5 PFPeA	93.7		35-130
STL02577	13C5 PFHxA	91.4		40-130
STL01892	13C4 PFHpA	87.7		40-130
STL01052	13C8 PFOA	93.1		40-130
STL02578	13C9 PFNA	91.3		40-130
STL02579	13C6 PFDA	86.2		40-130
STL02580	13C7 PFUnA	88.0		40-130
STL02116	13C2 PFTeDA	66.2		20-130
STL02337	13C3 PFBS	81.5		40-135
STL02581	13C3 PFHxS	83.7		40-130
STL01054	13C8 PFOS	83.4		40-130
STL01056	13C8 FOSA	82.9		40-130
STL02118	d3-NMeFOSAA	94.9		40-135
STL02117	d5-NEtFOSAA	90.1		40-150
STL02395	13C2 4:2 FTS	80.2		40-165
STL02279	13C2 6:2 FTS	80.6		40-215
STL02280	13C2 8:2 FTS	77.4		40-275
STL02255	13C3 HFPO-DA	87.0		40-130
STL02277	d7-N-MeFOSE-M	37.1		20-130
STL02278	d9-N-EtFOSE-M	32.8		15-130
STL02704	d5-NEtPFOSA	76.1		10-130
STL02705	d3-NMePFOSA	78.3		10-130
960315-52-0	13C2 PFDoA	79.3		40-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30569\20250724-154474.b\25JUL24-60.d
Lims ID: 480-231006-A-13-A
Client ID: SB2-9'-10'
Sample Type: Client
Inject. Date: 25-Jul-2025 05:38:31 ALS Bottle#: 8 Worklist Smp#: 58
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 480-231006-A-13-A
Misc. Info.: Plate: 2 Rack: 1 410-0154474-058
Operator ID: ETUS023_USR_INS00004 Instrument ID: 30569

Method: \\chromfs\Lancaster\ChromData\30569\20250724-154474.b\30569-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 25-Jul-2025 09:21:10 Calib Date: 22-Jul-2025 16:23:19
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30569\20250722-154214.b\25JUL22CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1656

First Level Reviewer: QY4X Date: 25-Jul-2025 09:20:27
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 4 13C4-PFBA										
216.80 > 171.90	4.123	4.138	-0.015	1.000	1362062	1.71		85.7	15343	
* 5 13C3PFBA										
216.00 > 172.00	4.123	4.145	-0.022		1539037	2.00			5439	
D 9 13C5 PFPeA										
268.30 > 223.00	4.741	4.755	-0.014	0.913	1646244	1.87		93.7	10379	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.009	5.025	-0.016	0.804	4211452	3.76		80.2	4285	
D 16 13C5 PFHxA										
318.00 > 273.00	5.192	5.207	-0.015	1.000	2054010	1.83		91.4	12177	
* 15 13C2 PFHxA										
315.10 > 270.00	5.192	5.218	-0.026		4572122	5.00			22356	
17 PFHxA										
313.00 > 269.00	5.192	5.218	-0.026	1.000	16859	0.0189	Target=11.69		22.4	✓
313.00 > 118.90	5.202	5.218	-0.016	1.002	1493		11.29(5.85-17.54)		12.9	
D 19 13C3 PFBS										
302.10 > 79.90	5.327	5.357	-0.030	0.855	2427875	1.52		81.5	3054	
D 21 13C3 HFPO-DA										
286.90 > 168.90	5.373	5.396	-0.023	1.035	1285723	1.74		87.0	6314	
D 28 13C4 PFHpA										
367.10 > 322.00	5.607	5.645	-0.038	1.080	1773743	1.75		87.7	5093	
D 31 13C2-6:2FTS										
429.10 > 80.90	5.803	5.846	-0.043	0.931	4007319	3.84		80.6	8901	
36 PFOA										M
413.00 > 369.00	6.019	6.056	-0.037	1.001	16120	0.0244	Target=2.03		969	M ✓
413.00 > 169.00	6.002	6.056	-0.054	0.999	7182		2.24(1.01-3.04)		3106	M
D 34 13C8 PFOA										
421.10 > 376.00	6.011	6.056	-0.045	1.000	2164096	1.86 ✓		93.1	3765	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 35 13C4 PFOA										
417.10 > 372.00	6.011	6.056	-0.045		5108342	5.00			5296	
* 40 18O2 PFHxS										
403.00 > 83.90	6.231	6.287	-0.056		1906024	1.90			6226	
D 39 13C3 PFHxS										
402.10 > 79.90	6.231	6.287	-0.056	1.000	1922652	1.59		83.7	5686	
38 PFHxS										
398.70 > 79.90	6.239	6.296	-0.057	1.001	76333	0.1124	Target=3.31		22557	
398.70 > 98.90	6.231	6.296	-0.065	1.000	20585		3.71(1.65-4.96)		40.1	
D 41 13C9 PFNA										
472.10 > 427.00	6.398	6.459	-0.061	0.998	1827501	1.83		91.3	3014	
43 PFNA										R
463.00 > 419.00	6.418	6.459	-0.041	1.003	39767	0.0544	Target=2.38		4243	R
463.00 > 219.00	6.398	6.459	-0.061	1.000	10382		3.83(1.19-3.57)		26.5	
* 42 13C5 PFNA										
468.00 > 423.00	6.409	6.459	-0.051		1812974	2.00			4390	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.579	6.644	-0.065	1.056	3912074	3.71		77.4	4224	
47 PFHpS										
449.00 > 79.90	6.649	6.713	-0.064	0.941	92711	0.0897	Target=3.94		73.1	
449.00 > 98.80	6.649	6.713	-0.064	0.941	27046		3.43(1.97-5.91)		40.1	
D 48 d3-NMeFOSAA										
573.00 > 419.00	6.734	6.800	-0.066	0.953	3785994	4.75		94.9	1937	
D 50 13C6 PFDA										
519.10 > 474.10	6.805	6.877	-0.072	1.000	1772397	1.72		86.2	3204	
* 51 13C2 PFDA										
515.10 > 470.10	6.805	6.877	-0.072		1835369	2.00			5480	
D 54 d5-NEtFOSAA										
589.20 > 419.00	6.911	6.987	-0.076	0.978	2509256	4.50		90.1	3498	
* 57 13C4 PFOS										
502.80 > 79.90	7.064	7.132	-0.068		1568860	1.92			8044	
D 58 13C8 PFOS										
507.10 > 79.90	7.064	7.132	-0.068	1.000	1662980	1.60		83.4	6224	
56 PFOS										
498.90 > 79.90	6.911	7.142	-0.231	0.978	2327945	2.17	Target=4.50		380844	
498.90 > 98.80	7.064	7.142	-0.078	1.000	374509		6.22(2.25-6.75)		558	
D 60 13C7 PFUnA										
570.00 > 525.10	7.198	7.285	-0.087	1.058	1696489	1.76		88.0	4193	
D 63 13C2 PFDoA										
615.10 > 570.00	7.606	7.679	-0.073	1.118	1267744	1.59		79.3	1859	
D 66 13C8 FOSA										
506.10 > 77.80	7.856	7.900	-0.044	1.112	1308224	1.66		82.9	8692	
D 71 13C2 PFTeDA										
715.20 > 670.00	8.385	8.460	-0.075	1.232	834315	1.32		66.2	6955	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.750	8.769	-0.019	1.239	132848	1.86		37.1	238	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 75 d3-NMePFOSA										
515.00 > 219.00	8.871	8.887	-0.016	1.256	404183	1.57		78.3	1996	
D 77 d9-N-EtFOSE										
639.20 > 58.90	8.995	9.011	-0.016	1.273	177190	1.64		32.8	391	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.074	9.100	-0.026	1.285	550966	1.52		76.1	3722	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Reagents:

1633_125_IS_V_00386 Amount Added: 50.00 Units: uL

associated with
samples #2,4,7,8,11,13

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 674647

SDG No.:

Instrument ID: 30569 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2025 14:48 Calibration End Date: 07/22/2025 16:23 Calibration ID: 74958

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-674647/1	25JUL22CAL-01.d
Level 2	IC 410-674647/2	25JUL22CAL-02.d
Level 3	IC 410-674647/3	25JUL22CAL-03.d
Level 4	IC 410-674647/4	25JUL22CAL-04.d
Level 5	ICISAV 410-674647/5	25JUL22CAL-05.d
Level 6	IC 410-674647/6	25JUL22CAL-06.d
Level 7	IC 410-674647/7	25JUL22CAL-07.d
Level 8	IC 410-674647/8	25JUL22CAL-08.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Perfluoropropionic acid (PFPrA)	0.9651 1.0594	1.0074 0.9948	1.0330	1.0150	0.9663	AveID		1.0058				3.4		20.0			
Perfluorobutanoic acid (PFBA)	0.8182 0.8706	0.8473 0.8238	0.8243 0.8489	0.8341	0.7946	AveID		0.8327				2.8		20.0			
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.0500 0.0498	0.0532 0.0472	0.0444	0.0484	0.0457	AveID		0.0484				6.1		20.0			
Perfluoro-3-methoxypropanoic acid (PFMPA)	1.0751 1.1385	1.1237 1.0878	1.0947	1.1040	1.0269	AveID		1.0929				3.3		20.0			
Perfluoropentanoic acid (PFPeA)	1.0221 1.0137	1.0414 0.9363	1.0113 0.9960	1.0048	0.9409	AveID		0.9958				3.8		20.0			
Perfluoro-4-methoxybutanoic acid (PFMBA)	1.2134 1.2762	1.2320 1.1969	1.2076	1.2199	1.1572	AveID		1.2147				3.0		20.0			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.8675 1.8300	1.8120 1.7300	1.7476	1.8213	1.7221	AveID		1.7901				3.1		20.0			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.1239 0.1040	0.1075 0.1004	0.1084	0.1087	0.0914	AveID		0.1063				9.3		20.0			
Perfluorohexanoic acid (PFHxA)	0.9297 0.8547	0.8976 0.8730	0.8620 0.8722	0.8575	0.8035	AveID		0.8688	✓		✓	4.2		20.0			
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.1270 0.1286	0.1215 0.1261	0.1183	0.1253	0.1152	AveID		0.1232				4.0		20.0			
Perfluorobutanesulfonic acid (PFBS)	0.7308 0.8090	0.7757 0.7583	0.7564 0.8807	0.7600	0.7252	AveID		0.7745				6.5		20.0			

✓ ✓

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 674647

SDG No.:

Instrument ID: 30569 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2025 14:48 Calibration End Date: 07/22/2025 16:23 Calibration ID: 74958

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.0026 0.9831	1.0093 0.9632	0.9201 0.9804	0.9572	0.9085	AveID		0.9655				3.8		20.0			
Perfluorobutanesulfonamide (FBSA)	0.6030 0.6692	0.6565 0.6347	0.6100	0.6382	0.5870	AveID		0.6284				4.7		20.0			
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.3074 3.2614	3.4186 3.2903	3.3460	3.3411	3.1857	AveID		3.3072				2.2		20.0			
Perfluoroheptanoic acid (PFHpA)	0.8641 0.8706	0.9324 0.8308	0.8137 0.8138	0.7734	0.8202	AveID		0.8399				5.8		20.0			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.7914 3.1730	3.0757 2.9207	2.9595 2.9243	2.9165	2.6830	AveID		2.9305				5.2		20.0			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.8888 1.8942	1.8743 1.6907	1.8646	1.8424	1.7348	AveID		1.8271				4.4		20.0			
Perfluoropentanesulfonic acid (PFPeS)	1.1088 1.1333	1.1705 1.0486	1.1391 1.1505	1.1609	1.1061	AveID		1.1272				3.5		20.0			
Bis(trifluoromethane)sulfonamide (TFSI)	2.1034 2.2482	2.2377 2.1899	2.2736	2.2330	2.2725	AveID		2.2226				2.7		20.0			
Perfluorooctanoic acid (PFOA)	0.5937 0.6207	0.6114 0.5934	0.5759 0.6715	0.6058	0.6101	AveID		0.6103				4.6		20.0			
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.0457 0.0562	0.0609 0.0570	0.0537	0.0537	0.0508	AveID		0.0540				8.9		20.0			
Perfluorohexanesulfonic acid (PFHxS)	0.7280 0.6651	0.6893 0.6192	0.6552 0.7143	0.6565	0.6311	AveID		0.6698	✓		✓	5.7		20.0			
Perfluorononanoic acid (PFNA)	0.8234 0.8282	0.8562 0.7390	0.8585 0.7848	0.7583	0.7512	AveID		0.7999				6.0		20.0			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.5021 1.5365	1.6068 1.4600	1.4872	1.5461	1.4542	AveID		1.5133				3.6		20.0			
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.2335 0.2595	0.2472 0.2446	0.2417	0.2546	0.2343	AveID		0.2451				4.0		20.0			
Perfluoroheptanesulfonic acid (PFHpS)	1.1504 1.2493	1.2253 1.1578	1.1983 1.1787	1.2070	1.1607	AveID		1.1910				3.0		20.0			
Perfluorohexanesulfonamide (FHxSA)	0.9252 0.9584	0.9993 0.8608	0.9034	0.9189	0.8851	AveID		0.9216				5.0		20.0			
N-methylperfluorooctanesulfonamido acetic acid (NMeFOSAA)	0.9347 0.8736	0.8464 0.8220	0.8570	0.8359	0.7980	AveID		0.8525				5.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 674647

SDG No.:

Instrument ID: 30569 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2025 14:48 Calibration End Date: 07/22/2025 16:23 Calibration ID: 74958

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Perfluorodecanoic acid (PFDA)	0.7186 0.7183	0.6390 0.7025	0.6694	0.7157	0.6751	AveID		0.6912				4.4		20.0			
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.8901 0.9253	0.7849 0.8524	0.8839	0.8827	0.8207	AveID		0.8628	✓		✓	5.5		20.0			
Perfluorooctanesulfonic acid (PFOS)	1.3807 1.2679	1.3482 1.1805	1.2250 1.1667	1.1770	1.1457	AveID		1.2365	✓		✓	7.1		20.0			
Perfluoroundecanoic acid (PFUnA)	0.6857 0.6688	0.6093 0.6658	0.6538	0.6499	0.6591	AveID		0.6561				3.6		20.0			
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.6564 2.7150	2.7074 2.5245	2.7749	2.6493	2.5657	AveID		2.6562				3.3		20.0			
Perfluorononanesulfonic acid (PFNS)	0.9444 0.8826	0.8917 0.8299	0.8889	0.8601	0.8317	AveID		0.8756				4.5		20.0			
Perfluorododecanoic acid (PFDoA)	0.8665 0.9139	0.8257 0.8322	0.8025	0.9152	0.7619	AveID		0.8454				6.7		20.0			
Perfluorooctanesulfonamide (PFOSA)	1.0444 1.1278	1.1163 1.0394	1.1034	1.0948	1.0489	AveID		1.0822				3.4		20.0			
Perfluorodecanesulfonic acid (PFDS)	1.2144 1.1771	1.1601 1.1159	1.1747	1.1317	1.1148	AveID		1.1555				3.2		20.0			
Perfluorotridecanoic acid (PFTrDA)	0.9745 1.2037	1.0255 1.0110	1.0243	1.0932	0.9753	AveID		1.0439				7.8		20.0			
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.1592 2.2453	2.2497 2.1275	2.1863	2.1067	2.1052	AveID		2.1686				2.8		20.0			
Perfluorotetradecanoic acid (PFTeDA)	0.1499 0.1852	0.1482 0.1610	0.1635	0.1398	0.1560	AveID		0.1577				9.2		20.0			
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	2.0048 2.0887	1.9972 2.0617	2.1168	2.2048	1.8528	AveID		2.0467				5.4		20.0			
Perfluorododecanesulfonic acid (PFDoS)	0.9408 1.0115	0.9603 0.9046	0.9132	0.9261	0.8788	AveID		0.9336				4.6		20.0			
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.9922 0.9473	1.0283 0.9317	0.9608	0.9897	0.9251	AveID		0.9679				3.9		20.0			
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	2.3709 2.2068	2.1237 2.1565	2.0251	2.2321	1.9097	AveID		2.1464				6.9		20.0			
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.9075 0.9975	0.9319 0.9414	0.9170	0.9156	0.8585	AveID		0.9242				4.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 674647

SDG No.:

Instrument ID: 30569 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2025 14:48 Calibration End Date: 07/22/2025 16:23 Calibration ID: 74958

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Perfluoro-n-octadecanoic acid (PFODA)	0.9959 1.7339	0.9077 1.7085	1.4542	1.3183	1.4425	L2ID	-0.033	1.5160				15.0		20.0			
13C3-PFPrA	0.4982 0.4719	0.5059 0.5035	0.5175 +++++	0.5065	0.5015	Ave		0.5007				2.8		20.0			
13C4 PFBA	1.0293 0.9606	1.0495 1.0411	1.0604 1.0436	1.0418	1.0395	Ave		1.0332				3.0		20.0			
13C5 PFPeA	0.9543 0.8731	0.9259 0.9725	1.0123 1.0075	0.9298	1.0113	Ave		0.9609				5.2		20.0			
13C2 4:2 FTS	1.0840 1.0167	1.1383 1.0667	1.2080 +++++	1.1182	1.1645	Ave		1.1138				5.7		20.0			
13C5 PFHxA	1.2636 1.1115	1.2226 1.2086	1.2643 1.2416	1.2205	1.3022	Ave		1.2294				4.6		20.0			
13C3 PFBS	1.6098 1.4515	1.6133 1.6112	1.7041 1.4213	1.5813	1.7273	Ave		1.5900				6.8		20.0			
13C3 HFPO-DA	0.8338 0.6944	0.7740 0.7961	0.8096 0.8785	0.8172	0.8580	Ave		0.8077				7.0		20.0			
13C4 PFHpA	1.1244 0.9581	1.0678 1.1593	1.1016 1.1712	1.1473	1.1131	Ave		1.1053				6.2		20.0			
13C2 6:2 FTS	1.0405 0.9082	1.0821 1.0021	1.0896 +++++	1.0654	1.0835	Ave		1.0388				6.3		20.0			
13C8 PFOA	1.1150 1.0783	1.1831 1.1641	1.1273 1.1228	1.1768	1.1368	Ave		1.1380	✓		✓	3.1		20.0			
13C3 PFHxS	1.1995 1.1219	1.2095 1.2288	1.2600 1.1747	1.2108	1.2361	Ave		1.2052				3.5		20.0			
13C9 PFNA	1.1371 1.0012	1.0873 1.1473	1.0404 1.1342	1.1754	1.1061	Ave		1.1036				5.3		20.0			
13C2 8:2 FTS	1.0306 0.9641	1.0683 1.0260	1.1060 +++++	1.0394	1.1003	Ave		1.0478				4.7		20.0			
d3-NMeFOSAA	0.9435 0.9454	1.0133 0.9792	0.9867 +++++	0.9707	0.9803	Ave		0.9742				2.5		20.0			
13C6 PFDA	1.0725 0.9806	1.2312 1.0594	1.1946 1.2760	1.0536	1.0956	Ave		1.1204				9.1		20.0			
d5-NEtFOSAA	0.6933 0.6338	0.7128 0.6842	0.6682 +++++	0.6684	0.7028	Ave		0.6805				3.9		20.0			

✓ ✓

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 674647

SDG No.:

Instrument ID: 30569 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2025 14:48 Calibration End Date: 07/22/2025 16:23 Calibration ID: 74958

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
13C8 PFOS	1.2349 1.1803	1.2855 1.2638	1.2647 1.3528	1.2862	1.2946	Ave		1.2703				3.9		20.0			
13C7 PFUnA	1.0261 0.9392	1.2159 1.0106	1.1345 1.0706	0.9671	1.0382	Ave		1.0503				8.6		20.0			
13C2 PFDoA	0.7906 0.7719	0.9707 0.8825	0.9936 0.9503	0.7462	0.8638	Ave		0.8712				10.9		20.0			
13C8 FOSA	0.9818 0.8626	0.9958 0.9745	0.9636 +++++	0.9769	0.9891	Ave		0.9635				4.7		20.0			
13C2 PFTeDA	0.7227 0.5698	0.8128 0.6941	0.6671 0.7458	0.6699	0.6146	Ave		0.6871				11.0		20.0			
d7-N-MeFOSE-M	0.0884 0.0862	0.0927 0.0810	0.0830 +++++	0.0823	0.0980	Ave		0.0874				7.1		20.0			
d3-NMePFOSA	0.3209 0.3171	0.3171 0.3100	0.3125 +++++	0.3118	0.3183	Ave		0.3154				1.3		20.0			
d9-N-EtFOSE-M	0.1339 0.1275	0.1373 0.1240	0.1344 +++++	0.1341	0.1328	Ave		0.1320				3.5		20.0			
d5-NEtPFOSA	0.4927 0.3922	0.4767 0.3855	0.4362 +++++	0.4634	0.4498	Ave		0.4423				9.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 674647

SDG No.:

Instrument ID: 30569 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2025 14:48 Calibration End Date: 07/22/2025 16:23 Calibration ID: 74958

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-674647/1	25JUL22CAL-01.d
Level 2	IC 410-674647/2	25JUL22CAL-02.d
Level 3	IC 410-674647/3	25JUL22CAL-03.d
Level 4	IC 410-674647/4	25JUL22CAL-04.d
Level 5	ICISAV 410-674647/5	25JUL22CAL-05.d
Level 6	IC 410-674647/6	25JUL22CAL-06.d
Level 7	IC 410-674647/7	25JUL22CAL-07.d
Level 8	IC 410-674647/8	25JUL22CAL-08.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Perfluoropropionic acid (PFPrA)		AveID	94718 10245443	257167 20658253	1090143	2118325	4975540	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorobutanoic acid (PFBA)		AveID	66362 6854858	179477 14148902	713049 59661184	1432116	3392373	0.100 10.0	0.250 20.0	1.00 100	2.00	5.00
3-Perfluoropropylpropanoic acid (3:3 FTCA)		AveID	3881 381475	10399 788947	37062	77089	190310	0.100 10.0	0.250 20.0	1.00	2.00	5.00
Perfluoro-3-methoxypropanoic acid (PFMPA)		AveID	41704 4360427	109767 9096618	456837	878388	2138513	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluoropentanoic acid (PFPeA)		AveID	39647 3882446	101731 7829867	422061 38685206	799478	1959548	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
Perfluoro-4-methoxybutanoic acid (PFMBA)		AveID	47066 4887787	120352 10009181	503975	970648	2409888	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)		AveID	177243 17045428	451902 34262514	1877082	3704224	8946492	0.0938 9.38	0.235 18.8	0.938	1.88	4.69
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		AveID	6364 507174	13864 1043364	56501	113469	245085	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorohexanoic acid (PFHxA)		AveID	47749 4166801	115775 9072763	449256 41749028	895480	2154653	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
3-Perfluoropentylpropanoic acid (5:3 FTCA)		AveID	32618 3133927	78388 6552634	308332	654529	1545226	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorobutanesulfonic acid (PFBS)		AveID	48756 5092231	129792 10737858	542488 53383027	1034635	2645301	0.0444 4.44	0.111 8.88	0.444 44.4	0.888	2.22
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)		AveID	25486	61814	230307	502012	1203911	0.0375	0.0938	0.375	0.750	1.88

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 674647

SDG No.:

Instrument ID: 30569 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2025 14:48 Calibration End Date: 07/22/2025 16:23 Calibration ID: 74958

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			2245877	4944733	33202634			3.75	7.50	50.0		
Perfluorobutanesulfonamide (FBSA)		AveID	45307 4743022	123692 10119955	492686	978417	2411318	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)		AveID	151528 14182832	393326 30501328	1555578	3112394	7620339	0.0446 4.46	0.112 8.92	0.446	0.892	2.23
Perfluoroheptanoic acid (PFHpA)		AveID	39497 3658657	105043 8281456	369505 36744457	759280	1880045	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		AveID	89503 9142602	237585 18913134	934402 70263927	1929256	4484857	0.0473 4.73	0.118 9.46	0.473 35.5	0.946	2.37
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)		AveID	174635 15995753	450989 31926065	1833313	3623315	8510625	0.0952 9.52	0.238 19.0	0.952	1.90	4.76
Perfluoropentanesulfonic acid (PFPeS)		AveID	58346 5836501	155423 11987909	639484 61008442	1280989	3056113	0.0470 4.70	0.118 9.40	0.470 47.0	0.940	2.35
Bis(trifluoromethane)sulfonamide (TFSI)		AveID	115275 12058220	309462 26073559	1329325	2566138	6539598	0.0490 4.90	0.122 9.79	0.490	0.979	2.45
Perfluorooctanoic acid (PFOA)		AveID	31665 3167161	83411 6867577	322050 33692804	643470	1624790	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
3-Perfluoroheptylpropanoic acid (7:3 FTCA)		AveID	11747 1370191	39277 2961144	139827	280566	680995	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorohexanesulfonic acid (PFHxS)		AveID	37166 3322912	88798 6867918	356833 36749322	702858	1691887	0.0456 4.56	0.114 9.12	0.456 45.6	0.912	2.28
Perfluorononanoic acid (PFNA)		AveID	34031 3080597	88010 6534807	332949 31766617	676702	1522611	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)		AveID	138716 13888092	384911 28462998	1496758	2991314	7306061	0.0960 9.60	0.240 19.2	0.960	1.92	4.80
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)		AveID	12076 1313507	32266 2748938	133386	276163	636452	0.0462 4.62	0.116 9.24	0.462	0.924	2.31
Perfluoroheptanesulfonic acid (PFHpS)		AveID	50110 5488322	138792 11293004	563104 54232356	1144959	2794248	0.0477 4.77	0.119 9.54	0.477 47.7	0.954	2.39
Perfluorohexanesulfonamide (FHxSA)		AveID	51792 5250551	141165 10468942	539514	1078688	2601526	0.0500 5.00	0.125 10.0	0.500	1.00	2.50

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 480-231006-1 | Analy Batch No.: 674647

SDG No.:

Instrument ID: 30569 | GC Column: Gemini C18 ID: 3(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2025 14:48 | Calibration End Date: 07/22/2025 16:23 | Calibration ID: 74958

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)		AveID	32609 3222250	79218 6510862	329363	627359	1524573	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorodecanoic acid (PFDA)		AveID	30434 2810395	71269 5919076	297696	638199	1529249	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)		AveID	22816 2288210	51674 4717935	230038	456134	1124071	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorooctanesulfonic acid (PFOS)		AveID	58627 5429876	148866 11224556	561151 52327097	1088477	2688705	0.0465 4.65	0.116 9.30	0.465 46.5	0.930	2.33
Perfluoroundecanoic acid (PFUnA)		AveID	27785 2506551	67111 5351670	276150	531972	1414956	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O		AveID	113284 11677187	300236 24106733	1276617	2460530	6046986	0.0467 4.67	0.117 9.34	0.467	0.934	2.34
Perfluorononanesulfonic acid (PFNS)		AveID	41482 3909784	101851 8162220	421202	822717	2018961	0.0481 4.81	0.120 9.62	0.481	0.962	2.41
Perfluorododecanoic acid (PFDoA)		AveID	27052 2814888	72606 5841120	296852	578004	1360919	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorooctanesulfonamide (PFOSA)		AveID	37911 3795505	102668 8194145	414114	826909	2022275	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorodecanesulfonic acid (PFDS)		AveID	53453 5225488	132783 10998225	557785	1084775	2711666	0.0482 4.82	0.121 9.64	0.482	0.964	2.41
Perfluorotridecanoic acid (PFTrDA)		AveID	29120 3222279	82840 6338890	316653	655147	1490747	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF		AveID	93064 9760548	252150 20533371	1016610	1977507	5014727	0.0472 4.72	0.118 9.44	0.472	0.944	2.36
Perfluorotetradecanoic acid (PFTeDA)		AveID	4279 420994	10915 888866	40613	79280	198293	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)		AveID	32758 3510586	85546 6758726	342292	701645	1769523	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorododecanesulfonic acid (PFDoS)		AveID	41667 4518089	110599 8971250	436299	893264	2151065	0.0485 4.85	0.121 9.70	0.485	0.970	2.43
N-methylperfluorooctane sulfonamide (NMeFOSA)		AveID	11772 1171962	30117 2336229	116932	238558	573922	0.0500 5.00	0.125 10.0	0.500	1.00	2.50

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 674647

SDG No.:

Instrument ID: 30569 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2025 14:48 Calibration End Date: 07/22/2025 16:23 Calibration ID: 74958

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)		AveID	58682 5489797	134670 10818833	529975	1157344	2472247	0.250 25.0	0.625 50.0	2.50	5.00	12.5
N-ethylperfluorooctane sulfonamide (NEtFOSA)		AveID	16530 1526185	41027 2935848	155789	328006	752534	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluoro-n-octadecanoic acid (PFODA)		L2ID	28424 3942453	66831 9431874	361156	747447	1833215	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
13C3-PFPrA	13C3PFBA	Ave	785117 773687	816929 830649	844261 +++++	834817	823875	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
13C4 PFBA	13C3PFBA	Ave	1622130 1574750	1694630 1717440	1730158 1405652	1717058	1707702	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C5 PFPeA	PFHxA	Ave	1551582 1531946	1563002 1672517	1669324 1553670	1591335	1666056	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C2 4:2 FTS	PFHxS	Ave	4745555 4657114	4988010 4951330	5370383 +++++	5084530	5195003	4.69 4.69	4.69 4.69	4.69 +++++	4.69	4.69
13C5 PFHxA	PFHxA	Ave	2054469 1950096	2063766 2078486	2084762 1914642	2088672	2145360	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C3 PFBS	PFHxS	Ave	2800906 2642392	2809684 2972226	3011074 2544630	2857617	3062576	1.86 1.86	1.86 1.86	1.86 1.86	1.86	1.86
13C3 HFPO-DA	PFHxA	Ave	1355771 1218341	1306500 1369025	1334994 1354610	1398531	1413581	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C4 PFHpA	PFHxA	Ave	1828266 1680948	1802456 1993726	1816441 1805978	1963469	1833709	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C2 6:2 FTS	PFHxS	Ave	4622813 4222306	4812366 4720723	4916188 +++++	4916605	4905841	4.76 4.76	4.76 4.76	4.76 +++++	4.76	4.76
13C8 PFOA	PFOA	Ave	2133532 2040972	2182722 2314826	2236998 2007059	2124468	2130655	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C3 PFHxS	PFHxS	Ave	2122757 2077483	2142612 2305836	2264629 2139183	2225591	2229225	1.90 1.90	1.90 1.90	1.90 1.90	1.90	1.90
13C9 PFNA	PFNA	Ave	1653208 1487908	1644733 1768509	1551266 1619115	1784691	1621621	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C2 8:2 FTS	PFHxS	Ave	4617283 4519504	4791037 4873872	5032188 +++++	4837007	5023978	4.80 4.80	4.80 4.80	4.80 +++++	4.80	4.80
d3-NMeFOSAA	PFOS	Ave	3488610 3688413	3743670 3960575	3843273 +++++	3752408	3821163	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
13C6 PFDA	PFDA	Ave	1694169 1565109	1784603 1685214	1779006 1993568	1783526	1812205	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 674647

SDG No.:

Instrument ID: 30569 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2025 14:48 Calibration End Date: 07/22/2025 16:23 Calibration ID: 74958

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
d5-NEtFOSAA	PFOS	Ave	2563450 2472897	2633566 2767440	2602624 +++++	2583700	2739424	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
13C8 PFOS	PFOS	Ave	1749647 1764593	1819914 1958904	1887534 1848072	1905207	1933907	1.92 1.92	1.92 1.92	1.92 1.92	1.92	1.92
13C7 PFUnA	PFDA	Ave	1620907 1499099	1762389 1607584	1689449 1672645	1637112	1717318	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C2 PFDoA	PFDA	Ave	1248840 1232031	1406956 1403799	1479695 1484715	1263181	1428936	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C8 FOSA	PFOS	Ave	1452011 1346121	1471531 1576706	1501194 +++++	1510544	1542335	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
13C2 PFTeDA	PFDA	Ave	1141655 909518	1178048 1104135	993424 1165169	1133985	1016715	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
d7-N-MeFOSE-M	PFOS	Ave	326797 336150	342662 327826	323409 +++++	318240	382016	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
d3-NMePFOSA	PFOS	Ave	474578 494866	468605 501508	486795 +++++	482094	496308	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
d9-N-EtFOSE-M	PFOS	Ave	495029 497535	507300 501681	523406 +++++	518501	517818	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
d5-NEtPFOSA	PFOS	Ave	728634 612018	704401 623738	679585 +++++	716518	701277	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00

Curve Type Legend:

Ave = Average ISTD
AveID = Average isotope dilution
L2ID = Linear 1/conc^2 IsoDil

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 674647

SDG No.:

Instrument ID: 30569 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2025 14:48 Calibration End Date: 07/22/2025 16:23 Calibration ID: 74958

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-674647/1	25JUL22CAL-01.d
Level 2	IC 410-674647/2	25JUL22CAL-02.d
Level 3	IC 410-674647/3	25JUL22CAL-03.d
Level 4	IC 410-674647/4	25JUL22CAL-04.d
Level 5	ICISAV 410-674647/5	25JUL22CAL-05.d
Level 6	IC 410-674647/6	25JUL22CAL-06.d
Level 7	IC 410-674647/7	25JUL22CAL-07.d
Level 8	IC 410-674647/8	25JUL22CAL-08.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Perfluoropropionic acid (PFPrA)	-4.0 -1.1	0.1	2.7	0.9	-3.9	5.3	30 30	30	30	30	30	30
Perfluorobutanoic acid (PFBA)	-1.7 -1.1	1.7 1.9	-1.0	0.2	-4.6	4.5	30 30	30 30	30	30	30	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	3.4 -2.5	10.0	-8.2	0.1	-5.6	2.9	30 30	30	30	30	30	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	-1.6 -0.5	2.8	0.2	1.0	-6.0	4.2	30 30	30	30	30	30	30
Perfluoropentanoic acid (PFPeA)	2.6 -6.0	4.6 0.0	1.6	0.9	-5.5	1.8	30 30	30 30	30	30	30	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	-0.1 -1.5	1.4	-0.6	0.4	-4.7	5.1	30 30	30	30	30	30	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.3 -3.4	1.2	-2.4	1.7	-3.8	2.2	30 30	30	30	30	30	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	16.5 -5.6	1.1	2.0	2.2	-14.0	-2.2	30 30	30	30	30	30	30
Perfluorohexanoic acid (PFHxA)	7.0 0.5	3.3 0.4	-0.8	-1.3	-7.5	-1.6	30 30	30 30	30	30	30	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.1 2.4	-1.3	-3.9	1.8	-6.4	4.4	30 30	30	30	30	30	30
Perfluorobutanesulfonic acid (PFBS)	-5.6 -2.1	0.2 13.7	-2.3	-1.9	-6.4	4.5	30 30	30 30	30	30	30	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.8 -0.2	4.5 1.5	-4.7	-0.9	-5.9	1.8	30 30	30 30	30	30	30	30
Perfluorobutanesulfonamide (FBSA)	-4.0 1.0	4.5	-2.9	1.6	-6.6	6.5	30 30	30	30	30	30	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.0 -0.5	3.4	1.2	1.0	-3.7	-1.4	30 30	30	30	30	30	30

✓ ✓ ✓ ✓ ✓ ✓

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 674647

SDG No.:

Instrument ID: 30569 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2025 14:48 Calibration End Date: 07/22/2025 16:23 Calibration ID: 74958

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Perfluoroheptanoic acid (PFHpA)	2.9 -1.1	11.0 -3.1	-3.1	-7.9	-2.3	3.7	30 30	30 30	30	30	30	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	-4.7 -0.3	5.0 -0.2	1.0	-0.5	-8.4	8.3	30 30	30 30	30	30	30	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	3.4 -7.5	2.6	2.0	0.8	-5.1	3.7	30 30	30	30	30	30	30
Perfluoropentanesulfonic acid (PFPeS)	-1.6 -7.0	3.8 2.1	1.1	3.0	-1.9	0.5	30 30	30 30	30	30	30	30
Bis(trifluoromethane)sulfonamide (TFSI)	-5.4 -1.5	0.7	2.3	0.5	2.2	1.1	30 30	30	30	30	30	30
Perfluorooctanoic acid (PFOA)	-2.7 -2.8	0.2 10.0	-5.6	-0.7	0.0	1.7	30 30	30 30	30	30	30	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	-15.3 5.5	12.8	-0.6	-0.5	-6.0	4.1	30 30	30	30	30	30	30
Perfluorohexanesulfonic acid (PFHxS)	8.7 -7.6	2.9 6.6	-2.2	-2.0	-5.8	-0.7	30 30	30 30	30	30	30	30
Perfluorononanoic acid (PFNA)	2.9 -7.6	7.0 -1.9	7.3	-5.2	-6.1	3.5	30 30	30 30	30	30	30	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	-0.7 -3.5	6.2	-1.7	2.2	-3.9	1.5	30 30	30	30	30	30	30
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	-4.7 -0.2	0.9	-1.4	3.9	-4.4	5.9	30 30	30	30	30	30	30
Perfluoroheptanesulfonic acid (PFHpS)	-3.4 -2.8	2.9 -1.0	0.6	1.3	-2.5	4.9	30 30	30 30	30	30	30	30
Perfluorohexanesulfonamide (FHxSA)	0.4 -6.6	8.4	-2.0	-0.3	-4.0	4.0	30 30	30	30	30	30	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.6 -3.6	-0.7	0.5	-1.9	-6.4	2.5	30 30	30	30	30	30	30
Perfluorodecanoic acid (PFDA)	4.0 1.6	-7.6	-3.2	3.5	-2.3	3.9	30 30	30	30	30	30	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	3.2 -1.2	-9.0	2.4	2.3	-4.9	7.2	30 30	30	30	30	30	30
Perfluorooctanesulfonic acid (PFOS)	11.7 -4.5	9.0 -5.6	-0.9	-4.8	-7.3	2.5	30 30	30 30	30	30	30	30
Perfluoroundecanoic acid (PFUnA)	4.5 1.5	-7.1	-0.3	-0.9	0.5	1.9	30 30	30	30	30	30	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.0 -5.0	1.9	4.5	-0.3	-3.4	2.2	30 30	30	30	30	30	30
Perfluorononanesulfonic acid (PFNS)	7.9 -5.2	1.8	1.5	-1.8	-5.0	0.8	30 30	30	30	30	30	30

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 674647

SDG No.:

Instrument ID: 30569 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2025 14:48 Calibration End Date: 07/22/2025 16:23 Calibration ID: 74958

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Perfluorododecanoic acid (PFDoA)	2.5 -1.6	-2.3	-5.1	8.3	-9.9	8.1	30 30	30	30	30	30	30
Perfluorooctanesulfonamide (PFOSA)	-3.5 -4.0	3.2	2.0	1.2	-3.1	4.2	30 30	30	30	30	30	30
Perfluorodecanesulfonic acid (PFDS)	5.1 -3.4	0.4	1.7	-2.1	-3.5	1.9	30 30	30	30	30	30	30
Perfluorotridecanoic acid (PFTrDA)	-6.6 -3.2	-1.8	-1.9	4.7	-6.6	15.3	30 30	30	30	30	30	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-0.4 -1.9	3.7	0.8	-2.9	-2.9	3.5	30 30	30	30	30	30	30
Perfluorotetradecanoic acid (PFTeDA)	-4.9 2.1	-6.0	3.7	-11.3	-1.0	17.4	30 30	30	30	30	30	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	-2.0 0.7	-2.4	3.4	7.7	-9.5	2.1	30 30	30	30	30	30	30
Perfluorododecanesulfonic acid (PFDoS)	0.8 -3.1	2.9	-2.2	-0.8	-5.9	8.3	30 30	30	30	30	30	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.5 -3.7	6.2	-0.7	2.3	-4.4	-2.1	30 30	30	30	30	30	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	10.5 0.5	-1.1	-5.7	4.0	-11.0	2.8	30 30	30	30	30	30	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	-1.8 1.9	0.8	-0.8	-0.9	-7.1	7.9	30 30	30	30	30	30	30
Perfluoro-n-octadecanoic acid (PFODA)	9.4 12.9	-22.6	0.3	-10.9	-4.0	14.8	30 30	30	30	30	30	30



Associated with samples #1,3,5,12

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 673272

SDG No.:

Instrument ID: 30571 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 13:18 Calibration End Date: 07/18/2025 17:37 Calibration ID: 74831

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-673272/1	25Jul18-915.d
Level 2	IC 410-673272/2	25Jul18-901.d
Level 3	IC 410-673272/3	25Jul18-902.d
Level 4	IC 410-673272/4	25Jul18-919.d
Level 5	ICISAV 410-673272/5	25Jul18-904.d
Level 6	IC 410-673272/6	25Jul18-905.d
Level 7	IC 410-673272/7	25Jul18-906.d
Level 8	IC 410-673272/8	25Jul18-907.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Perfluoropropionic acid (PFPrA)	0.9872 0.9782	1.0108 0.9725	0.9974	0.9717	0.9889	AveID		0.9867				1.4		20.0			
Perfluorobutanoic acid (PFBA)	0.8596 0.8509	0.9169 0.8400	0.8583 0.8681	0.8573	0.8480	AveID		0.8624				2.7		20.0			
Perfluoro-3-methoxypropanoic acid (PFMPA)	1.3182 1.2753	1.3946 1.2621	1.3261	1.2553	1.2787	AveID		1.3015				3.8		20.0			
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.0355 0.0390	0.0403 0.0396	0.0403	0.0383	0.0389	AveID		0.0388				4.2		20.0			
Perfluoropentanoic acid (PFPeA)	1.1199 0.8986	1.0186 0.9141	0.9739 1.0245	0.9142	0.9175	AveID		0.9727				7.9		20.0			
Perfluoro-4-methoxybutanoic acid (PFMBA)	1.3654 1.2714	1.4230 1.2739	1.3370	1.2341	1.2957	AveID		1.3143				4.9		20.0			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.0888 2.0060	2.0432 1.9737	2.0028	2.0369	2.1185	AveID		2.0386				2.5		20.0			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.0441 0.0488	0.0447 0.0492	0.0422	0.0523	0.0457	AveID		0.0467				7.5		20.0			
Perfluorohexanoic acid (PFHxA)	0.9226 0.7131	0.7953 0.7340	0.7958 0.8332	0.7040	0.6990	AveID		0.7746	✓		✓	10.0		20.0			
Perfluorobutanesulfonic acid (PFBS)	0.9753 1.0203	1.0168 0.9957	1.0161 1.2263	1.0188	1.0527	AveID		1.0403				7.5		20.0			
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.0877 0.0695	0.0763 0.0708	0.0686	0.0673	0.0653	AveID		0.0722				10.6		20.0			

✓ ✓

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 673272

SDG No.:

Instrument ID: 30571 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 13:18 Calibration End Date: 07/18/2025 17:37 Calibration ID: 74831

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.9837 0.7473	0.8577 0.8404	0.7027 0.8414	0.7015	0.7786	L2ID	0.0079	0.7649				8.3		20.0			
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.3694 2.3665	2.4538 2.1635	2.3949	2.4803	2.3724	AveID		2.3715				4.3		20.0			
Perfluoroheptanoic acid (PFHpA)	0.6835 0.6667	0.7204 0.6489	0.6926 0.7305	0.6426	0.6445	AveID		0.6787				5.0		20.0			
Perfluorobutanesulfonamide (FBSA)	0.5188 0.5584	0.5793 0.5726	0.5530	0.5519	0.5681	AveID		0.5575				3.6		20.0			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.8794 6.2948	6.5567 6.3188	6.2056 6.1438	6.3402	6.1494	AveID		6.3611				3.9		20.0			
Perfluoropentanesulfonic acid (PFPeS)	1.0727 1.0239	1.1008 0.9893	1.0529 1.1642	1.0206	1.0326	AveID		1.0571				5.2		20.0			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.1411 2.0080	2.2038 2.0125	2.0481	1.9751	2.1584	AveID		2.0782				4.3		20.0			
Bis(trifluoromethane)sulfonamide (TFSI)	2.6794 2.2733	2.7121 2.2358	2.4089	2.3523	2.3958	AveID		2.4368				7.7		20.0			
Perfluorooctanoic acid (PFOA)	0.6657 0.5450	0.6381 0.5512	0.5553 0.6157	0.5270	0.5388	L2ID	0.0060	0.5558				6.0		20.0			
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.0905 0.0868	0.0874 0.0967	0.0894	0.0969	0.0872	AveID		0.0907				4.8		20.0			
Perfluorohexanesulfonic acid (PFHxS)	1.1836 0.9938	1.1051 0.9576	1.0115 1.1150	1.0158	0.9823	L2ID	0.0082	1.0098	✓		✓	5.1		20.0			
Perfluorononanoic acid (PFNA)	1.0457 0.8577	0.8395 0.7834	0.8481 0.8259	0.8441	0.7509	L2ID	0.0110	0.8056				5.4		20.0			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.6184 1.6510	1.7253 1.6082	1.6679	1.6862	1.5820	AveID		1.6484				3.0		20.0			
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.4426 0.4462	0.4606 0.4320	0.4386	0.4297	0.4410	AveID		0.4415				2.3		20.0			
Perfluoroheptanesulfonic acid (PFHpS)	1.2998 1.2055	1.2698 1.1628	1.2479 1.3306	1.1655	1.2194	AveID		1.2377				4.9		20.0			
N-methylperfluorooctanesulfonamido acetic acid (NMeFOSAA)	1.0051 0.9622	1.0069 0.9433	0.9849	0.9523	0.9736	AveID		0.9755				2.5		20.0			
Perfluorohexanesulfonamide (FHxSA)	1.0358 1.0571	1.1077 1.0263	1.0587	1.0347	1.0645	AveID		1.0550				2.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 673272

SDG No.:

Instrument ID: 30571 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 13:18 Calibration End Date: 07/18/2025 17:37 Calibration ID: 74831

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Perfluorodecanoic acid (PFDA)	0.5157 0.6286	0.6728 0.6416	0.6544	0.5418	0.6565	Ave Id		0.6159				10.0		20.0			
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.9340 0.9578	1.0550 0.9278	0.9015	0.8644	0.9221	Ave Id		0.9375	✓		✓	6.3		20.0			
Perfluorooctanesulfonic acid (PFOS)	1.5085 1.3199	1.3815 1.3084	1.3306 1.3925	1.2303	1.3121	Ave Id		1.3480	✓		✓	6.1		20.0			
Perfluoroundecanoic acid (PFUnA)	0.6296 0.5974	0.6357 0.5977	0.5455	0.5886	0.6267	Ave Id		0.6030				5.2		20.0			
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.5675 2.6689	2.6738 2.5741	2.6151	2.5573	2.5833	Ave Id		2.6057				1.9		20.0			
Perfluorononanesulfonic acid (PFNS)	0.8492 0.8713	0.9046 0.8957	0.8715	0.8644	0.8903	Ave Id		0.8781				2.2		20.0			
Perfluorododecanoic acid (PFDoA)	0.6808 0.7349	0.7343 0.6923	0.7175	0.7110	0.7275	Ave Id		0.7140				2.9		20.0			
Perfluorooctanesulfonamide (PFOSA)	1.0519 1.0613	1.1154 1.0218	1.0396	1.0451	1.0367	Ave Id		1.0531				2.9		20.0			
Perfluorodecanesulfonic acid (PFDS)	0.9798 0.9593	0.9623 0.9633	0.9832	0.9433	0.9792	Ave Id		0.9672				1.5		20.0			
Perfluorotridecanoic acid (PFTrDA)	0.8152 0.9418	0.8974 0.9157	0.9741	0.9246	0.9942	Ave Id		0.9233				6.3		20.0			
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	1.9156 1.8970	1.9228 1.8252	1.9598	2.0052	1.9620	Ave Id		1.9268				3.0		20.0			
Perfluorotetradecanoic acid (PFTeDA)	0.1496 0.1498	0.1615 0.1571	0.1616	0.1610	0.1520	Ave Id		0.1561				3.5		20.0			
Perfluorododecanesulfonic acid (PFDoS)	0.9628 0.9297	0.9282 0.9680	0.9391	0.9291	0.9367	Ave Id		0.9419				1.8		20.0			
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	2.3637 2.3851	2.6265 2.4997	2.5510	2.3571	2.4567	Ave Id		2.4628				4.2		20.0			
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.9093 0.9014	0.8934 0.8499	0.8693	0.8863	0.8913	Ave Id		0.8858				2.3		20.0			
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	2.6920 2.6820	2.9726 2.7622	2.6962	2.5970	2.6869	Ave Id		2.7270				4.3		20.0			
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.8691 0.8835	0.9381 0.8774	0.8961	0.8771	0.8681	Ave Id		0.8870				2.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 673272

SDG No.:

Instrument ID: 30571 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 13:18 Calibration End Date: 07/18/2025 17:37 Calibration ID: 74831

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Perfluoro-n-octadecanoic acid (PFODA)	1.2612 1.1685	1.2416 1.1644	1.2725	1.2825	1.3382	AveId		1.2470				5.0		20.0			
13C3-PFPrA	0.6725 0.6952	0.6709 0.6510	0.6964 +++++	0.6876	0.6796	Ave		0.6790				2.4		20.0			
13C4 PFBA	1.0495 1.0486	1.0303 1.0866	1.0615 1.0964	1.0589	1.0551	Ave		1.0609				2.0		20.0			
13C5 PFPeA	0.9523 0.9772	0.9438 0.9473	0.9563 0.8551	1.0065	0.9749	Ave		0.9517				4.6		20.0			
13C2 4:2 FTS	0.5895 0.5594	0.6148 0.5415	0.6258 +++++	0.5848	0.5534	Ave		0.5813				5.4		20.0			
13C5 PFHxA	1.4730 1.4872	1.5310 1.4816	1.5186 1.3308	1.5031	1.5243	Ave		1.4812				4.3		20.0			
13C3 PFBS	1.1681 1.1883	1.2017 1.2053	1.2152 1.1798	1.2007	1.1630	Ave		1.1903				1.6		20.0			
13C3 HFPO-DA	0.5094 0.5218	0.5132 0.5056	0.5630 0.5014	0.5424	0.5488	Ave		0.5257				4.3		20.0			
13C4 PFHpA	1.2461 1.2701	1.2631 1.3284	1.2522 1.1772	1.3918	1.3281	Ave		1.2821				5.1		20.0			
13C2 6:2 FTS	0.6210 0.5973	0.6055 0.5741	0.6251 +++++	0.6181	0.5884	Ave		0.6042				3.1		20.0			
13C8 PFOA	1.0112 1.0546	1.0429 1.0539	1.0831 1.0226	1.0590	1.0842	Ave		1.0514	✓		✓	2.5		20.0			
13C3 PFHxS	0.9805 0.9804	0.9720 1.0267	1.0103 0.9853	1.0044	0.9730	Ave		0.9916				2.0		20.0			
13C9 PFNA	0.9489 0.9014	0.9424 1.0103	0.9056 0.9422	0.9620	0.9362	Ave		0.9436				3.6		20.0			
13C2 8:2 FTS	0.7116 0.6446	0.7043 0.6521	0.7257 +++++	0.6806	0.6874	Ave		0.6866				4.4		20.0			
d3-NMeFOSAA	0.6213 0.6386	0.6172 0.6568	0.6537 +++++	0.6402	0.6598	Ave		0.6411				2.6		20.0			
13C6 PFDA	1.0268 1.0154	1.0134 0.9782	1.0320 +++++	1.0426	1.0197	Ave		1.0183				2.0		20.0			
d5-NEtFOSAA	0.5250 0.4974	0.5252 0.5368	0.5351 +++++	0.5968	0.5200	Ave		0.5338				5.7		20.0			

✓ ✓

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 673272

SDG No.:

Instrument ID: 30571 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 13:18 Calibration End Date: 07/18/2025 17:37 Calibration ID: 74831

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
13C8 PFOS	1.0712 1.0619	1.0718 1.1001	1.0864 1.0486	1.0740	1.0687	Ave		1.0728				1.4		20.0			
13C7 PFUnA	0.9857 0.9053	0.9119 0.8750	0.9533 +++++	0.9268	0.8895	Ave		0.9211				4.1		20.0			
13C2 PFDoA	0.8958 0.7772	0.8211 0.7722	0.8240 +++++	0.8204	0.8086	Ave		0.8171				5.0		20.0			
13C8 FOSA	0.7786 0.7699	0.7697 0.8235	0.8078 +++++	0.7738	0.7950	Ave		0.7883				2.7		20.0			
13C2 PFTeDA	0.6510 0.6030	0.6143 0.5829	0.5928 +++++	0.6014	0.5866	Ave		0.6046				3.8		20.0			
d7-N-MeFOSE-M	0.0465 0.0442	0.0459 0.0452	0.0432 +++++	0.0462	0.0446	Ave		0.0451				2.6		20.0			
d3-NMePFOSA	0.2344 0.2350	0.2310 0.2598	0.2355 +++++	0.2279	0.2346	Ave		0.2369				4.4		20.0			
d9-N-EtFOSE-M	0.0649 0.0616	0.0608 0.0631	0.0631 +++++	0.0638	0.0628	Ave		0.0629				2.1		20.0			
d5-NEtPFOSA	0.3179 0.3054	0.3028 0.3230	0.3106 +++++	0.3084	0.3047	Ave		0.3104				2.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 673272

SDG No.:

Instrument ID: 30571 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 13:18 Calibration End Date: 07/18/2025 17:37 Calibration ID: 74831

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-673272/1	25Jul18-915.d
Level 2	IC 410-673272/2	25Jul18-901.d
Level 3	IC 410-673272/3	25Jul18-902.d
Level 4	IC 410-673272/4	25Jul18-919.d
Level 5	ICISAV 410-673272/5	25Jul18-904.d
Level 6	IC 410-673272/6	25Jul18-905.d
Level 7	IC 410-673272/7	25Jul18-906.d
Level 8	IC 410-673272/8	25Jul18-907.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Perfluoropropionic acid (PFPrA)		AveID	110183 12315217	311379 23436695	1241787	2214234	6336032	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorobutanoic acid (PFBA)		AveID	59889 6463214	173500 13517439	651541 39435085	1203474	3374248	0.100 10.0	0.250 20.0	1.00 100	2.00	5.00
Perfluoro-3-methoxypropanoic acid (PFMPA)		AveID	39032 4356744	107053 8344355	421906	782128	2183552	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
3-Perfluoropropylpropanoic acid (3:3 FTCA)		AveID	2105 266153	6185 523332	25674	47717	132832	0.100 10.0	0.250 20.0	1.00	2.00	5.00
Perfluoropentanoic acid (PFPeA)		AveID	33159 3069964	78189 6043494	309855 21976166	569579	1566773	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
Perfluoro-4-methoxybutanoic acid (PFMBA)		AveID	40428 4343263	109229 8422304	425363	768894	2212621	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)		AveID	93855 9410832	248852 17636285	1022019	1831603	5005847	0.0938 9.38	0.235 18.8	0.938	1.88	4.69
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		AveID	2021 253466	5568 508917	21306	48634	121894	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorohexanoic acid (PFHxA)		AveID	42252 3707252	99032 7589593	402034 27815634	655060	1866202	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
Perfluorobutanesulfonic acid (PFBS)		AveID	41103 4812997	114578 9373066	476609 36791808	890268	2474508	0.0444 4.44	0.111 8.88	0.444 44.4	0.888	2.22
3-Perfluoropentylpropanoic acid (5:3 FTCA)		AveID	20091 1805923	47494 3658250	173366	313025	872374	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)		L2ID	11685	26849	98710	176665	561341	0.0375	0.0938	0.375	0.750	1.88

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 673272

SDG No.:

Instrument ID: 30571 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 13:18 Calibration End Date: 07/18/2025 17:37 Calibration ID: 74831

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1022404	2224126	10581976			3.75	7.50	50.0		
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)		AveID	96795 10975009	272547 19955233	1079223	2058681	5650192	0.0446 4.46	0.112 8.92	0.446	0.892	2.23
Perfluoroheptanoic acid (PFHpA)		AveID	26481 2960076	74006 6015640	288512 21571024	553649	1499253	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
Perfluorobutanesulfonamide (FBSA)		AveID	24620 2966483	73516 6070340	292107	543156	1503892	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		AveID	103074 10862602	258882 21093878	1099469 54825355	2013960	5591939	0.0473 4.73	0.118 9.46	0.473 35.5	0.946	2.37
Perfluoropentanesulfonic acid (PFPeS)		AveID	40168 4218515	106212 8398103	434645 30876714	789722	2149614	0.0470 4.70	0.118 9.40	0.470 47.0	0.940	2.35
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)		AveID	102862 10208649	268323 19348600	1059549	1905223	5503378	0.0952 9.52	0.238 19.0	0.952	1.90	4.76
Bis(trifluoromethane)sulfonamide (TFSI)		AveID	104494 9754191	272544 19766289	1035642	1895622	5194346	0.0490 4.90	0.122 9.79	0.490	0.979	2.45
Perfluorooctanoic acid (PFOA)		L2ID	31967 2934292	80923 5993016	296456 21920785	520348	1455184	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
3-Perfluoroheptylpropanoic acid (7:3 FTCA)		AveID	20735 2256382	54395 5002084	225744	451022	1164221	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorohexanesulfonic acid (PFHxS)		L2ID	43001 3972344	103458 7886464	405087 28691481	762583	1983880	0.0456 4.56	0.114 9.12	0.456 45.6	0.912	2.28
Perfluorononanoic acid (PFNA)		L2ID	46083 4081384	95337 7762655	392959 26874479	730995	1855540	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)		AveID	89841 9133902	246361 17709193	1010138	1805806	4752336	0.0960 9.60	0.240 19.2	0.960	1.92	4.80
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)		AveID	16290 1807003	43683 3604751	177975	326865	902491	0.0462 4.62	0.116 9.24	0.462	0.924	2.31
Perfluoroheptanesulfonic acid (PFHpS)		AveID	50770 5108137	128835 9948970	521292 36854244	924429	2605862	0.0477 4.77	0.119 9.54	0.477 47.7	0.954	2.39
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)		AveID	23865 2570090	61671 5050794	259503	471956	1346451	0.0500 5.00	0.125 10.0	0.500	1.00	2.50

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 673272

SDG No.:

Instrument ID: 30571 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 13:18 Calibration End Date: 07/18/2025 17:37 Calibration ID: 74831

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Perfluorohexanesulfonamide (FHxSA)		AveID	41261 4633167	113704 9267978	464927	851724	2357390	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorodecanoic acid (PFDA)		AveID	19141 2803044	68825 5680751	282403	429508	1444619	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)		AveID	18741 1992597	54982 4060434	194406	399372	1005022	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorooctanesulfonic acid (PFOS)		AveID	57436 5452288	136644 10912857	541834 37596576	951271	2733327	0.0465 4.65	0.116 9.30	0.465 46.5	0.930	2.33
Perfluoroundecanoic acid (PFUnA)		AveID	22438 2374911	58516 4734151	217458	414771	1203045	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O		AveID	98180 11072280	265597 21562795	1069472	1985854	5404730	0.0467 4.67	0.117 9.34	0.467	0.934	2.34
Perfluorononanesulfonic acid (PFNS)		AveID	33445 3723270	92548 7727882	367104	691367	1918463	0.0481 4.81	0.120 9.62	0.481	0.962	2.41
Perfluorododecanoic acid (PFDoA)		AveID	22049 2508046	60862 4839071	247237	443554	1269553	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorooctanesulfonamide (PFOSA)		AveID	31301 3417823	85188 6859928	338448	626028	1727356	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorodecanesulfonic acid (PFDS)		AveID	38671 4107592	98662 8328444	415024	756069	2114447	0.0482 4.82	0.121 9.64	0.482	0.964	2.41
Perfluorotridecanoic acid (PFTrDA)		AveID	22794 2853927	65014 5616052	288558	499812	1496679	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF		AveID	74037 7954212	193040 15452552	810061	1573789	4148780	0.0472 4.72	0.118 9.44	0.472	0.944	2.36
Perfluorotetradecanoic acid (PFTeDA)		AveID	3522 396562	10014 828742	40060	73602	192401	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorododecanesulfonic acid (PFDoS)		AveID	38236 4005685	95750 8421447	398868	749344	2035241	0.0485 4.85	0.121 9.70	0.485	0.970	2.43
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)		AveID	21010 2207147	59825 4610800	222277	421717	1149026	0.250 25.0	0.625 50.0	2.50	5.00	12.5
N-methylperfluorooctane sulfonamide (NMeFOSA)		AveID	8146 886247	20481 1800274	82515	156382	438313	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)		AveID	33363	89621	342665	641451	1769001	0.250	0.625	2.50	5.00	12.5

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 673272

SDG No.:

Instrument ID: 30571 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 13:18 Calibration End Date: 07/18/2025 17:37 Calibration ID: 74831

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			3457470	7101238				25.0	50.0			
N-ethylperfluorooctane sulfonamide (NEtFOSA)		AveID	10561 1128418	28186 2310535	112168	209408	554419	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluoro-n-octadecanoic acid (PFODA)		AveID	29684 3094127	76995 6143278	315467	586443	1694034	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
13C3-PFPrA	13C3PFBA	Ave	892887 1007125	985726 963991	995994 +++++	911527	1025151	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
13C4 PFBA	13C3PFBA	Ave	1393375 1519118	1513848 1609170	1518208 908531	1403730	1591638	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C5 PFPeA	PFHxA	Ave	1184378 1366499	1228191 1322283	1272593 858041	1246126	1366100	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C2 4:2 FTS	PFHxS	Ave	2246622 2345680	2435878 2233872	2551462 +++++	2248032	2362951	4.69 4.69	4.69 4.69	4.69 +++++	4.69	4.69
13C5 PFHxA	PFHxA	Ave	1831958 2079639	1992350 2068106	2020788 1335408	1861019	2135961	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C3 PFBS	PFHxS	Ave	1769252 1980358	1892314 1975982	1969218 1259509	1834318	1973655	1.86 1.86	1.86 1.86	1.86 1.86	1.86	1.86
13C3 HFPO-DA	PFHxA	Ave	633527 729665	667798 705766	749154 503095	671565	769007	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C4 PFHpA	PFHxA	Ave	1549835 1776038	1643714 1854197	1666315 1181233	1723185	1861079	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C2 6:2 FTS	PFHxS	Ave	2402046 2542053	2435044 2403581	2586636 +++++	2411496	2549755	4.76 4.76	4.76 4.76	4.76 +++++	4.76	4.76
13C8 PFOA	PFOA	Ave	1920877 2153792	2029085 2174612	2135569 1424124	1974941	2160713	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C3 PFHxS	PFHxS	Ave	1510582 1661985	1556967 1712195	1665208 1069899	1560706	1679536	1.90 1.90	1.90 1.90	1.90 1.90	1.90	1.90
13C9 PFNA	PFNA	Ave	1762772 1903441	1817010 1981774	1853262 1301538	1732073	1976771	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C2 8:2 FTS	PFHxS	Ave	2775533 2766168	2855863 2752956	3028174 +++++	2677369	3004028	4.80 4.80	4.80 4.80	4.80 +++++	4.80	4.80
d3-NMeFOSAA	PFOS	Ave	2374381 2671147	2449951 2677178	2634731 +++++	2478109	2766052	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
13C6 PFDA	PFDA	Ave	1484803 1783692	1636706 1770894	1726223 +++++	1585559	1760415	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
d5-NEtFOSAA	PFOS	Ave	2006460 2080474	2084674 2188265	2156519 +++++	2310017	2179820	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 673272

SDG No.:

Instrument ID: 30571 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 13:18 Calibration End Date: 07/18/2025 17:37 Calibration ID: 74831

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
13C8 PFOS	PFOS	Ave	1568887 1702110	1630172 1718396	1677886 1112509	1593021	1716762	1.92 1.92	1.92 1.92	1.92 1.92	1.92	1.92
13C7 PFUnA	PFDA	Ave	1425466 1590240	1472869 1584021	1594655 +++++	1409403	1535649	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
13C2 PFDoA	PFDA	Ave	1295467 1365150	1326195 1397975	1378283 +++++	1247647	1395989	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
13C8 FOSA	PFOS	Ave	1190255 1288145	1221984 1342719	1302269 +++++	1198069	1333028	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
13C2 PFTeDA	PFDA	Ave	941439 1059189	992216 1055187	991642 +++++	914544	1012721	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
d7-N-MeFOSE-M	PFOS	Ave	177769 185076	182218 184451	174266 +++++	178914	187086	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
d3-NMePFOSA	PFOS	Ave	358327 393274	366798 423649	379688 +++++	352894	393414	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
d9-N-EtFOSE-M	PFOS	Ave	247872 257827	241194 257084	254179 +++++	246996	263355	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
d5-NEtPFOSA	PFOS	Ave	486064 510911	480756 526707	500716 +++++	477510	510948	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00

Curve Type Legend:

Ave = Average ISTD
AveID = Average isotope dilution
L2ID = Linear 1/conc^2 IsoDil

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 673272

SDG No.:

Instrument ID: 30571 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 13:18 Calibration End Date: 07/18/2025 17:37 Calibration ID: 74831

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-673272/1	25Jul18-915.d
Level 2	IC 410-673272/2	25Jul18-901.d
Level 3	IC 410-673272/3	25Jul18-902.d
Level 4	IC 410-673272/4	25Jul18-919.d
Level 5	ICISAV 410-673272/5	25Jul18-904.d
Level 6	IC 410-673272/6	25Jul18-905.d
Level 7	IC 410-673272/7	25Jul18-906.d
Level 8	IC 410-673272/8	25Jul18-907.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Perfluoropropionic acid (PFPrA)	0.1 -1.4	2.4	1.1	-1.5	0.2	-0.9	30 30	30	30	30	30	30
Perfluorobutanoic acid (PFBA)	-0.3 -2.6	6.3 0.7	-0.5	-0.6	-1.7	-1.3	30 30	30 30	30	30	30	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	1.3 -3.0	7.2	1.9	-3.5	-1.8	-2.0	30 30	30	30	30	30	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	-8.5 1.9	3.7	3.9	-1.4	0.1	0.3	30 30	30	30	30	30	30
Perfluoropentanoic acid (PFPeA)	15.1 -6.0	4.7 5.3	0.1	-6.0	-5.7	-7.6	30 30	30 30	30	30	30	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.9 -3.1	8.3	1.7	-6.1	-1.4	-3.3	30 30	30	30	30	30	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.5 -3.2	0.2	-1.8	-0.1	3.9	-1.6	30 30	30	30	30	30	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-5.5 5.4	-4.3	-9.7	11.9	-2.2	4.4	30 30	30	30	30	30	30
Perfluorohexanoic acid (PFHxA)	19.1 -5.2	2.7 7.6	2.7	-9.1	-9.8	-7.9	30 30	30 30	30	30	30	30
Perfluorobutanesulfonic acid (PFBS)	-6.2 -4.3	-2.3 17.9	-2.3	-2.1	1.2	-1.9	30 30	30 30	30	30	30	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	21.5 -2.0	5.6	-5.0	-6.8	-9.5	-3.8	30 30	30	30	30	30	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.1 9.7	1.1 10.0	-10.9	-9.7	1.2	-2.6	30 30	30 30	30	30	30	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	-0.1 -8.8	3.5	1.0	4.6	0.0	-0.2	30 30	30	30	30	30	30
Perfluoroheptanoic acid (PFHpA)	0.7 -4.4	6.1 7.6	2.0	-5.3	-5.0	-1.8	30 30	30 30	30	30	30	30



FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 673272

SDG No.:

Instrument ID: 30571 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 13:18 Calibration End Date: 07/18/2025 17:37 Calibration ID: 74831

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Perfluorobutanesulfonamide (FBSA)	-6.9 2.7	3.9	-0.8	-1.0	1.9	0.2	30 30	30	30	30	30	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	8.1 -0.7	3.1 -3.4	-2.4	-0.3	-3.3	-1.0	30 30	30 30	30	30	30	30
Perfluoropentanesulfonic acid (PFPeS)	1.5 -6.4	4.1 10.1	-0.4	-3.5	-2.3	-3.1	30 30	30 30	30	30	30	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	3.0 -3.2	6.0	-1.4	-5.0	3.9	-3.4	30 30	30	30	30	30	30
Bis(trifluoromethane)sulfonamide (TFSI)	10.0 -8.2	11.3	-1.1	-3.5	-1.7	-6.7	30 30	30	30	30	30	30
Perfluorooctanoic acid (PFOA)	-1.8 -0.9	6.2 10.8	-2.2	-6.3	-3.5	-2.2	30 30	30 30	30	30	30	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	-0.2 6.7	-3.7	-1.5	6.9	-3.9	-4.3	30 30	30	30	30	30	30
Perfluorohexanesulfonic acid (PFHxS)	-0.6 -5.3	2.3 10.4	-1.6	-0.3	-3.1	-1.8	30 30	30 30	30	30	30	30
Perfluorononanoic acid (PFNA)	2.4 -2.9	-6.8 2.5	2.5	3.4	-7.3	6.2	30 30	30 30	30	30	30	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	-1.8 -2.4	4.7	1.2	2.3	-4.0	0.2	30 30	30	30	30	30	30
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.2 -2.2	4.3	-0.7	-2.7	-0.1	1.1	30 30	30	30	30	30	30
Perfluoroheptanesulfonic acid (PFHpS)	5.0 -6.0	2.6 7.5	0.8	-5.8	-1.5	-2.6	30 30	30 30	30	30	30	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	3.0 -3.3	3.2	1.0	-2.4	-0.2	-1.4	30 30	30	30	30	30	30
Perfluorohexanesulfonamide (FHxSA)	-1.8 -2.7	5.0	0.4	-1.9	0.9	0.2	30 30	30	30	30	30	30
Perfluorodecanoic acid (PFDA)	-16.3 4.2	9.2	6.2	-12.0	6.6	2.1	30 30	30	30	30	30	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-0.4 -1.0	12.5	-3.8	-7.8	-1.6	2.2	30 30	30	30	30	30	30
Perfluorooctanesulfonic acid (PFOS)	11.9 -2.9	2.5 3.3	-1.3	-8.7	-2.7	-2.1	30 30	30 30	30	30	30	30
Perfluoroundecanoic acid (PFUnA)	4.4 -0.9	5.4	-9.5	-2.4	3.9	-0.9	30 30	30	30	30	30	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-1.5 -1.2	2.6	0.4	-1.9	-0.9	2.4	30 30	30	30	30	30	30
Perfluorononanesulfonic acid (PFNS)	-3.3 2.0	3.0	-0.8	-1.6	1.4	-0.8	30 30	30	30	30	30	30

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 673272

SDG No.:

Instrument ID: 30571 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 13:18 Calibration End Date: 07/18/2025 17:37 Calibration ID: 74831

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Perfluorododecanoic acid (PFDoA)	-4.7 -3.0	2.8	0.5	-0.4	1.9	2.9	30 30	30	30	30	30	30
Perfluorooctanesulfonamide (PFOSA)	-0.1 -3.0	5.9	-1.3	-0.8	-1.6	0.8	30 30	30	30	30	30	30
Perfluorodecanesulfonic acid (PFDS)	1.3 -0.4	-0.5	1.7	-2.5	1.2	-0.8	30 30	30	30	30	30	30
Perfluorotridecanoic acid (PFTrDA)	-11.7 -0.8	-2.8	5.5	0.1	7.7	2.0	30 30	30	30	30	30	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-0.6 -5.3	-0.2	1.7	4.1	1.8	-1.5	30 30	30	30	30	30	30
Perfluorotetradecanoic acid (PFTeDA)	-4.1 0.6	3.5	3.5	3.1	-2.6	-4.0	30 30	30	30	30	30	30
Perfluorododecanesulfonic acid (PFDoS)	2.2 2.8	-1.5	-0.3	-1.4	-0.6	-1.3	30 30	30	30	30	30	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	-4.0 1.5	6.6	3.6	-4.3	-0.3	-3.2	30 30	30	30	30	30	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.7 -4.1	0.9	-1.9	0.0	0.6	1.8	30 30	30	30	30	30	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	-1.3 1.3	9.0	-1.1	-4.8	-1.5	-1.6	30 30	30	30	30	30	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	-2.0 -1.1	5.8	1.0	-1.1	-2.1	-0.4	30 30	30	30	30	30	30
Perfluoro-n-octadecanoic acid (PFODA)	1.1 -6.6	-0.4	2.0	2.8	7.3	-6.3	30 30	30	30	30	30	30

ONLY ASSOCIATED WITH SAMPLE #6 (Field Blank) - no eval

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 668407

SDG No.:

Instrument ID: 30575 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2025 18:13 Calibration End Date: 07/08/2025 19:48 Calibration ID: 74409

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-668407/1	25Jul08CAL-01.d
Level 2	IC 410-668407/2	25Jul08CAL-02.d
Level 3	IC 410-668407/3	25Jul08CAL-03.d
Level 4	IC 410-668407/4	25Jul08CAL-04.d
Level 5	ICISAV 410-668407/5	25Jul08CAL-05.d
Level 6	IC 410-668407/6	25Jul08CAL-06.d
Level 7	IC 410-668407/7	25Jul08CAL-07.d
Level 8	IC 410-668407/8	25Jul08CAL-08.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Perfluoropropionic acid (PFPrA)	0.9722 1.0334	1.0334 1.0370	1.0352	1.0749	1.0504	AveID		1.0338				3.0		20.0			
Perfluorobutanoic acid (PFBA)	0.9349 0.8676	0.8927 0.8615	0.8732 0.9303	0.8759	0.8751	AveID		0.8889				3.2		20.0			
Perfluoro-3-methoxypropanoic acid (PFMPA)	1.2544 1.1908	1.1977 1.2134	1.2408	1.2690	1.2196	AveID		1.2265				2.4		20.0			
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.0449 0.0370	0.0383 0.0372	0.0339	0.0373	0.0370	AveID		0.0380				8.8		20.0			
Perfluoropentanoic acid (PFPeA)	1.0385 1.0611	1.1425 1.0466	1.0668 1.2610	1.1234	1.1019	AveID		1.1052				6.6		20.0			
Perfluoro-4-methoxybutanoic acid (PFMBA)	1.3479 1.3904	1.4219 1.3506	1.4009	1.4098	1.3272	AveID		1.3784				2.6		20.0			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.7615 1.6603	1.8418 1.5591	1.7884	1.6879	1.7639	AveID		1.7233				5.5		20.0			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.3330 0.2509	0.2533 0.2729	0.2284	0.2638	0.2472	L2ID	0.0037	0.2474				8.5		20.0			
Perfluorohexanoic acid (PFHxA)	1.0647 0.8830	0.8974 0.8608	0.8697 0.8756	0.8755	0.8475	AveID		0.8968				7.7		20.0			
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.0750 0.0789	0.0755 0.0793	0.0708	0.0777	0.0750	AveID		0.0760				3.8		20.0			
Perfluorobutanesulfonic acid (PFBS)	1.0238 0.9578	0.9501 0.9077	0.8963 1.1079	0.9175	0.8978	AveID		0.9574				7.7		20.0			
Perfluorobutanesulfonamide (FBSA)	0.4714 0.5147	0.4934 0.5249	0.5211	0.5385	0.5036	AveID		0.5096				4.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

ONLY ASSOCIATED WITH SAMPLE #6 (Field Blank) - no eval

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 668407

SDG No.:

Instrument ID: 30575 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2025 18:13 Calibration End Date: 07/08/2025 19:48 Calibration ID: 74409

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.1591 1.0570	1.0812 0.9826	1.0293 1.0453	0.9798	0.9938	AveID		1.0410				5.8		20.0			
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.6574 2.3806	2.8009 2.3443	2.3457	2.3933	2.2814	AveID		2.4576				7.9		20.0			
Perfluoroheptanoic acid (PFHpA)	0.8928 0.8080	0.7910 0.8129	0.8062 0.8311	0.7952	0.8062	AveID		0.8180				4.0		20.0			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.0607 2.9448	3.2336 2.8839	3.1027 2.8490	3.1648	2.8661	AveID		3.0132				4.9		20.0			
Perfluoropentanesulfonic acid (PFPeS)	1.2535 1.0891	1.2617 1.1897	1.1457 1.2740	1.1206	1.1311	AveID		1.1832				6.1		20.0			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.7748 1.9566	1.9534 1.8662	1.9596	1.9216	1.8644	AveID		1.8995				3.6		20.0			
Bis(trifluoromethane)sulfonamide (TFSI)	1.9482 1.9530	2.0293 2.0330	1.9923	1.9734	1.8967	AveID		1.9751				2.4		20.0			
Perfluorooctanoic acid (PFOA)	0.7730 0.6642	0.7668 0.6555	0.6824 0.7158	0.7116	0.7027	AveID		0.7090				6.1		20.0			
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.0686 0.0754	0.0782 0.0739	0.0718	0.0689	0.0716	AveID		0.0726				4.7		20.0			
Perfluorohexanesulfonic acid (PFHxS)	1.5122 1.0776	1.2219 1.0796	1.1437 1.1707	1.1360	1.1117	L2ID	0.0179	1.1037				3.3		20.0			
Perfluorononanoic acid (PFNA)	1.0663 0.8029	0.9139 0.8636	0.9049 0.8895	0.8408	0.8313	AveID		0.8891				9.1		20.0			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.4784 1.4849	1.6228 1.4467	1.4679	1.5136	1.5261	AveID		1.5058				3.9		20.0			
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.2915 0.2561	0.2549 0.2627	0.2774	0.2754	0.2554	AveID		0.2676				5.3		20.0			
Perfluoroheptanesulfonic acid (PFHpS)	1.6339 1.3938	1.5171 1.2644	1.3923 1.5491	1.3387	1.3540	AveID		1.4304				8.7		20.0			
Perfluorohexanesulfonamide (FHxSA)	1.1095 0.9824	0.9603 0.9925	0.9552	0.9730	0.9441	AveID		0.9881				5.7		20.0			
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.0853 1.1629	1.1714 1.1485	1.1406	1.1649	1.1982	AveID		1.1531				3.0		20.0			
Perfluorodecanoic acid (PFDA)	0.7789 0.6917	0.7334 0.7515	0.7240	0.6892	0.6986	AveID		0.7239				4.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

ONLY ASSOCIATED WITH SAMPLE #6 (Field Blank) - no eval

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 668407

SDG No.:

Instrument ID: 30575 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2025 18:13 Calibration End Date: 07/08/2025 19:48 Calibration ID: 74409

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.9672 0.8900	0.8866 0.8838	0.9571	0.8572	0.9200	AveID		0.9088				4.5		20.0			
Perfluorooctanesulfonic acid (PFOS)	1.9442 1.5389	1.8013 1.4854	1.5901 1.7303	1.5693	1.5507	AveID		1.6513				9.6		20.0			
Perfluoroundecanoic acid (PFUnA)	0.6233 0.5973	0.6857 0.6164	0.6123	0.6476	0.6513	AveID		0.6334				4.7		20.0			
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.4353 3.0622	3.2655 2.8690	3.1203	3.0196	3.0669	AveID		3.1198				5.8		20.0			
Perfluorononanesulfonic acid (PFNS)	1.3781 1.2196	1.3445 1.1467	1.2663	1.2418	1.2627	AveID		1.2657				6.1		20.0			
Perfluorododecanoic acid (PFDoA)	0.9022 0.9221	0.9634 0.9758	0.9119	0.9749	0.9269	AveID		0.9396				3.3		20.0			
Perfluorooctanesulfonamide (PFOSA)	0.9954 0.8897	0.9880 0.9028	0.9531	0.9184	0.9108	AveID		0.9369				4.5		20.0			
Perfluorodecanesulfonic acid (PFDS)	1.4896 1.3561	1.4576 1.2583	1.3742	1.3221	1.3544	AveID		1.3732				5.7		20.0			
Perfluorotridecanoic acid (PFTrDA)	1.1227 1.1325	1.1454 1.1669	1.1244	1.1732	1.0605	AveID		1.1322				3.3		20.0			
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.8492 2.5898	2.6295 2.3354	2.5222	2.6071	2.4801	AveID		2.5733				6.1		20.0			
Perfluorotetradecanoic acid (PFTeDA)	0.1950 0.1927	0.1917 0.2008	0.2094	0.1984	0.2059	AveID		0.1991				3.4		20.0			
Perfluorododecanesulfonic acid (PFDoS)	1.2084 1.1191	1.1520 1.0199	1.1307	1.1278	1.0943	AveID		1.1217				5.1		20.0			
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	2.4527 2.3865	2.4815 2.3534	2.3719	2.4588	2.3383	AveID		2.4062				2.4		20.0			
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.9584 1.0122	1.0954 0.9831	1.0826	1.0347	1.0945	AveID		1.0373				5.4		20.0			
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	3.3825 3.3522	3.5419 3.2571	3.4774	3.4690	3.4744	AveID		3.4221				2.8		20.0			
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.9957 0.9226	1.0527 0.9688	0.9142	0.9364	0.9419	AveID		0.9618				5.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

ONLY ASSOCIATED WITH SAMPLE #6 (Field Blank) - no eval

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 668407

SDG No.:

Instrument ID: 30575 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2025 18:13 Calibration End Date: 07/08/2025 19:48 Calibration ID: 74409

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Perfluoro-n-octadecanoic acid (PFODA)	2.4398 1.9043	2.1011 1.7802	2.0628	1.9909	2.0387	L2ID	0.0254	1.9306				4.8		20.0			
13C3-PFPrA	0.6507 0.6593	0.6508 0.6431	0.6491 +++++	0.6510	0.6520	Ave		0.6509				0.7		20.0			
13C4 PFBA	1.0642 1.1121	1.1112 1.1190	1.1299 1.0618	1.0956	1.0971	Ave		1.0989				2.3		20.0			
13C5 PFPeA	0.7054 0.7519	0.7932 0.7989	0.7872 0.6535	0.7531	0.7570	Ave		0.7500				6.6		20.0			
13C2 4:2 FTS	0.9436 0.8910	0.8746 0.9089	0.8442 +++++	0.9173	0.8592	Ave		0.8912				3.9		20.0			
13C5 PFHxA	1.0913 1.1470	1.1907 1.2198	1.2561 1.1078	1.1995	1.2106	Ave		1.1779				4.9		20.0			
13C3 PFBS	1.2279 1.1552	1.1991 1.2313	1.2123 1.0572	1.2051	1.2368	Ave		1.1906				5.0		20.0			
13C3 HFPO-DA	0.7905 0.8582	0.8521 0.9056	0.8591 0.8948	0.8247	0.8889	Ave		0.8592				4.5		20.0			
13C4 PFHpA	1.1520 1.2007	1.2220 1.2884	1.2224 1.1403	1.2003	1.1856	Ave		1.2015				3.8		20.0			
13C2 6:2 FTS	0.8123 0.7063	0.7432 0.6923	0.7105 +++++	0.7647	0.7385	Ave		0.7383				5.6		20.0			
13C8 PFOA	1.0542 1.0184	1.0091 1.0081	1.0198 1.0235	1.0142	0.9817	Ave		1.0161				2.0		20.0			
13C3 PFHxS	0.9907 0.9856	0.9923 0.9979	0.9681 0.9388	0.9952	1.0046	Ave		0.9841				2.2		20.0			
13C9 PFNA	0.9789 1.0129	0.9738 0.9762	1.0073 0.9624	1.0002	1.0080	Ave		0.9899				1.9		20.0			
13C2 8:2 FTS	0.8252 0.7379	0.7565 0.7500	0.7838 +++++	0.8198	0.7838	Ave		0.7796				4.3		20.0			
d3-NMeFOSAA	0.5125 0.5201	0.5213 0.5084	0.5572 +++++	0.5420	0.5622	Ave		0.5320				4.1		20.0			
13C6 PFDA	1.0263 1.0508	1.0342 0.9756	1.0589 +++++	1.0381	1.0743	Ave		1.0369				3.0		20.0			
d5-NEtFOSAA	0.4526 0.4616	0.4399 0.4378	0.4490 +++++	0.5234	0.5117	Ave		0.4680				7.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

ONLY ASSOCIATED WITH SAMPLE #6 (Field Blank) - no eval

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 668407

SDG No.:

Instrument ID: 30575 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2025 18:13 Calibration End Date: 07/08/2025 19:48 Calibration ID: 74409

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
13C8 PFOS	0.8177 0.8676	0.8552 0.9553	0.9215 0.8270	0.9257	0.9128	Ave		0.8853				5.7		20.0			
13C7 PFUnA	1.2680 1.3448	1.2264 1.3185	1.3644 +++++	1.3287	1.3141	Ave		1.3093				3.6		20.0			
13C2 PFDoA	1.2859 1.2616	1.1857 1.2217	1.2995 +++++	1.2676	1.3151	Ave		1.2625				3.6		20.0			
13C8 FOSA	0.7475 0.7646	0.7422 0.7716	0.8020 +++++	0.8029	0.7902	Ave		0.7744				3.2		20.0			
13C2 PFTeDA	0.7884 0.7730	0.7407 0.7521	0.7652 +++++	0.8021	0.7696	Ave		0.7702				2.7		20.0			
d7-N-MeFOSE-M	0.1090 0.1146	0.1099 0.1158	0.1196 +++++	0.1144	0.1200	Ave		0.1148				3.7		20.0			
d3-NMePFOSA	0.1816 0.1947	0.1886 0.2025	0.1964 +++++	0.1991	0.1909	Ave		0.1934				3.6		20.0			
d9-N-EtFOSE-M	0.1494 0.1482	0.1440 0.1525	0.1454 +++++	0.1505	0.1492	Ave		0.1485				2.0		20.0			
d5-NEtPFOSA	0.2206 0.2466	0.2218 0.2352	0.2526 +++++	0.2495	0.2406	Ave		0.2381				5.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

ONLY ASSOCIATED WITH SAMPLE #6 (Field Blank) - no eval

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 668407

SDG No.:

Instrument ID: 30575 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2025 18:13 Calibration End Date: 07/08/2025 19:48 Calibration ID: 74409

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-668407/1	25Jul08CAL-01.d
Level 2	IC 410-668407/2	25Jul08CAL-02.d
Level 3	IC 410-668407/3	25Jul08CAL-03.d
Level 4	IC 410-668407/4	25Jul08CAL-04.d
Level 5	ICISAV 410-668407/5	25Jul08CAL-05.d
Level 6	IC 410-668407/6	25Jul08CAL-06.d
Level 7	IC 410-668407/7	25Jul08CAL-07.d
Level 8	IC 410-668407/8	25Jul08CAL-08.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Perfluoropropionic acid (PFPrA)		AveID	132669 14401233	347338 27978869	1395853	3190970	7550976	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorobutanoic acid (PFBA)		AveID	83461 8157691	204922 16177748	819742 56133649	1750353	4233671	0.100 10.0	0.250 20.0	1.00 100	2.00	5.00
Perfluoro-3-methoxypropanoic acid (PFMPA)		AveID	45017 4509368	111344 9301411	475216	1014733	2372562	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
3-Perfluoropropylpropanoic acid (3:3 FTCA)		AveID	3222 280245	7125 569821	25993	59685	144037	0.100 10.0	0.250 20.0	1.00	2.00	5.00
Perfluoropentanoic acid (PFPeA)		AveID	37271 4018266	106213 8022980	408569 29802629	898343	2143553	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
Perfluoro-4-methoxybutanoic acid (PFMBA)		AveID	48374 5265246	132187 10353705	536514	1127374	2581813	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)		AveID	138062 13453392	358245 24732595	1380797	2906693	6880917	0.0938 9.38	0.235 18.8	0.938	1.88	4.69
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		L2ID	18486 1449514	35343 3194195	139563	336001	768907	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorohexanoic acid (PFHxA)		AveID	59115 5100440	125230 10075099	531465 35080311	1115145	2636741	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
3-Perfluoropentylpropanoic acid (5:3 FTCA)		AveID	20833 2279482	52660 4639506	216459	494851	1166993	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorobutanesulfonic acid (PFBS)		AveID	49423 4763022	119931 9233519	470393 36310229	982629	2386491	0.0444 4.44	0.111 8.88	0.444 44.4	0.888	2.22
Perfluorobutanesulfonamide (FBSA)		AveID	25626	70134	308007	649445	1507357	0.0500	0.125	0.500	1.00	2.50

ONLY ASSOCIATED WITH SAMPLE #6 (Field Blank) - no eval

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 668407

SDG No.:

Instrument ID: 30575 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2025 18:13 Calibration End Date: 07/08/2025 19:48 Calibration ID: 74409

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			2882223	6012885				5.00	10.0			
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)		AveID	34962 3426069	80984 6403671	322619 33824710	643498	1702550	0.0375 3.75	0.0938 7.50	0.375 50.0	0.750	1.88
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)		AveID	131607 12265813	348658 24476578	1278594	2719073	6330906	0.0446 4.46	0.112 8.92	0.446	0.892	2.23
Perfluoroheptanoic acid (PFHpA)		AveID	52329 4886009	113292 10049599	479474 34276215	1013523	2456417	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		AveID	116445 12039575	305508 23706238	1226715 65412223	2621823	6193381	0.0473 4.73	0.118 9.46	0.473 35.5	0.946	2.37
Perfluoropentanesulfonic acid (PFPeS)		AveID	51683 4891299	139521 10381837	508320 39246683	1049081	2584982	0.0470 4.70	0.118 9.40	0.470 47.0	0.940	2.35
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)		AveID	121530 12755476	327716 22885903	1292428	2799728	6345188	0.0952 9.52	0.238 19.0	0.952	1.90	4.76
Bis(trifluoromethane)sulfonamide (TFSI)		AveID	83657 9135293	233711 18477123	920593	1924054	4514529	0.0490 4.90	0.122 9.79	0.490	0.979	2.45
Perfluorooctanoic acid (PFOA)		AveID	54805 5005901	134089 9795620	503272 37175059	1100393	2555454	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
3-Perfluoroheptylpropanoic acid (7:3 FTCA)		AveID	19049 2178305	54541 4322950	219461	439068	1113808	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorohexanesulfonic acid (PFHxS)		L2ID	60490 4695649	131100 9140340	492305 34989757	1031781	2465011	0.0456 4.56	0.114 9.12	0.456 45.6	0.912	2.28
Perfluorononanoic acid (PFNA)		AveID	65736 5412677	140052 11206709	574547 40409512	1148471	2772570	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)		AveID	103704 10198330	279454 19380492	1076918	2384173	5558262	0.0960 9.60	0.240 19.2	0.960	1.92	4.80
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)		AveID	11814 1130469	27705 2253605	120965	253390	573735	0.0462 4.62	0.116 9.24	0.462	0.924	2.31
Perfluoroheptanesulfonic acid (PFHpS)		AveID	49705 4557212	121155 8974687	462517 32894007	959978	2273865	0.0477 4.77	0.119 9.54	0.477 47.7	0.954	2.39
Perfluorohexanesulfonamide (FHxSA)		AveID	48666 4693976	112971 9213488	450845	969064	2295418	0.0500 5.00	0.125 10.0	0.500	1.00	2.50

ONLY ASSOCIATED WITH SAMPLE #6 (Field Blank) - no eval

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 668407

SDG No.:

Instrument ID: 30575 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2025 18:13 Calibration End Date: 07/08/2025 19:48 Calibration ID: 74409

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)		AveID	21691 2389111	59773 4547690	240181	512721	1299106	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorodecanoic acid (PFDA)		AveID	48959 4688763	122601 9506574	469452	949442	2392717	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)		AveID	17069 1622972	38180 3013337	162374	364339	907932	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorooctanesulfonic acid (PFOS)		AveID	57657 4905087	140232 10277626	514919 35817685	1097020	2538669	0.0465 4.65	0.116 9.30	0.465 46.5	0.930	2.33
Perfluoroundecanoic acid (PFUnA)		AveID	48403 5181318	135925 10538323	511554	1141904	2728654	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O		AveID	102317 9802543	255312 19936419	1014823	2119982	5042620	0.0467 4.67	0.117 9.34	0.467	0.934	2.34
Perfluorononanesulfonic acid (PFNS)		AveID	42277 4021124	108272 8207062	424177	897939	2138364	0.0481 4.81	0.120 9.62	0.481	0.962	2.41
Perfluorododecanoic acid (PFDoA)		AveID	71051 7504752	184635 15458203	725645	1639895	3886302	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorooctanesulfonamide (PFOSA)		AveID	29020 2687388	71784 5425366	288844	598781	1387971	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorodecanesulfonic acid (PFDS)		AveID	45792 4480510	117622 9024760	461290	958007	2298367	0.0482 4.82	0.121 9.64	0.482	0.964	2.41
Perfluorotridecanoic acid (PFTrDA)		AveID	71314 7431989	178329 14933033	710765	1611156	3524240	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF		AveID	85770 8379107	207788 16402005	829069	1849945	4121323	0.0472 4.72	0.118 9.44	0.472	0.944	2.36
Perfluorotetradecanoic acid (PFTeDA)		AveID	9417 960862	22954 1957968	98109	211116	505115	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorododecanesulfonic acid (PFDoS)		AveID	37377 3720391	93540 7360673	381910	822345	1868512	0.0485 4.85	0.121 9.70	0.485	0.970	2.43
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)		AveID	52151 5400963	133441 10614382	536012	1142008	2704655	0.250 25.0	0.625 50.0	2.50	5.00	12.5
N-methylperfluorooctane sulfonamide (NMeFOSA)		AveID	6788 778638	20226 1550230	80331	167308	402970	0.0500 5.00	0.125 10.0	0.500	1.00	2.50

ONLY ASSOCIATED WITH SAMPLE #6 (Field Blank) - no eval

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 668407

SDG No.:

Instrument ID: 30575 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2025 18:13 Calibration End Date: 07/08/2025 19:48 Calibration ID: 74409

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)		AveID	98509 9815661	249604 19347680	955321	2119496	4999611	0.250 25.0	0.625 50.0	2.50	5.00	12.5
N-ethylperfluorooctane sulfonamide (NEtFOSA)		AveID	8566 898863	22860 1774945	87271	189753	437045	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluoro-n-octadecanoic acid (PFODA)		L2ID	117810 9496051	251554 17361708	966464	2118988	5002197	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
13C3-PFPrA	13C3PFBA	Ave	1091687 1114839	1075590 1079260	1078724 +++++	1187443	1150173	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
13C4 PFBA	13C3PFBA	Ave	1785404 1880527	1836489 1877927	1877663 1206849	1998325	1935229	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C5 PFPeA	PFHxA	Ave	1435532 1514752	1487447 1533153	1531948 945344	1599327	1556281	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C2 4:2 FTS	PFHxS	Ave	3918823 4051443	3890169 3965918	3860448 +++++	4305202	3900891	4.69 4.69	4.69 4.69	4.69 +++++	4.69	4.69
13C5 PFHxA	PFHxA	Ave	2220836 2310531	2232839 2340978	2444322 1602609	2547363	2488846	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C3 PFBS	PFHxS	Ave	2026670 2087741	2119821 2135270	2203365 1375864	2247987	2231840	1.86 1.86	1.86 1.86	1.86 1.86	1.86	1.86
13C3 HFPO-DA	PFHxA	Ave	1608680 1728718	1597956 1737896	1671730 1294401	1751434	1827417	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C4 PFHpA	PFHxA	Ave	2344442 2418687	2291514 2472541	2378845 1649607	2548980	2437458	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C2 6:2 FTS	PFHxS	Ave	3423773 3259671	3355396 3065818	3297665 +++++	3642527	3403272	4.76 4.76	4.76 4.76	4.76 +++++	4.76	4.76
13C8 PFOA	PFOA	Ave	2835926 3014843	2797876 2988768	2950083 2077454	3092666	2909160	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C3 PFHxS	PFHxS	Ave	1663263 1811789	1784371 1760147	1789807 1242704	1888268	1843913	1.90 1.90	1.90 1.90	1.90 1.90	1.90	1.90
13C9 PFNA	PFNA	Ave	2465991 2696653	2451824 2595331	2539845 1817086	2731773	2668319	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C2 8:2 FTS	PFHxS	Ave	3507238 3433899	3444004 3348977	3668339 +++++	3937962	3642064	4.80 4.80	4.80 4.80	4.80 +++++	4.80	4.80
d3-NMeFOSAA	PFOS	Ave	1998652 2054501	2041128 1979839	2105720 +++++	2200638	2168386	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
13C6 PFDA	PFDA	Ave	2514170 2711366	2674711 2530073	2593574 +++++	2755124	2740087	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00

ONLY ASSOCIATED WITH SAMPLE #6 (Field Blank) - no eval

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 668407

SDG No.:

Instrument ID: 30575 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2025 18:13 Calibration End Date: 07/08/2025 19:48 Calibration ID: 74409

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
d5-NEtFOSAA	PFOS	Ave	1764874 1823666	1722553 1704691	1696506 +++++	2125162	1973680	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
13C8 PFOS	PFOS	Ave	1221979 1313343	1283101 1425500	1334341 852940	1440230	1349144	1.92 1.92	1.92 1.92	1.92 1.92	1.92	1.92
13C7 PFUnA	PFDA	Ave	3106327 3470011	3171615 3419323	3341722 +++++	3526413	3351582	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
13C2 PFDoA	PFDA	Ave	3150282 3255439	3066491 3168276	3182866 +++++	3364299	3354185	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
13C8 FOSA	PFOS	Ave	1166110 1208219	1162464 1201884	1212259 +++++	1304009	1219097	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
13C2 PFTeDA	PFDA	Ave	1931440 1994650	1915569 1950581	1874097 +++++	2128698	1962880	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
d7-N-MeFOSE-M	PFOS	Ave	425260 452628	430195 451017	451976 +++++	464449	462666	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
d3-NMePFOSA	PFOS	Ave	283291 307703	295438 315367	296810 +++++	323395	294543	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
d9-N-EtFOSE-M	PFOS	Ave	582461 585622	563771 594018	549450 +++++	610977	575599	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
d5-NEtPFOSA	PFOS	Ave	344129 389699	347438 366404	381828 +++++	405277	371185	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00

Curve Type Legend:

Ave = Average ISTD
AveID = Average isotope dilution
L2ID = Linear 1/conc^2 IsoDil

ONLY ASSOCIATED WITH SAMPLE #6 (Field Blank) - no eval

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 668407

SDG No.:

Instrument ID: 30575 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2025 18:13 Calibration End Date: 07/08/2025 19:48 Calibration ID: 74409

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-668407/1	25Jul08CAL-01.d
Level 2	IC 410-668407/2	25Jul08CAL-02.d
Level 3	IC 410-668407/3	25Jul08CAL-03.d
Level 4	IC 410-668407/4	25Jul08CAL-04.d
Level 5	ICISAV 410-668407/5	25Jul08CAL-05.d
Level 6	IC 410-668407/6	25Jul08CAL-06.d
Level 7	IC 410-668407/7	25Jul08CAL-07.d
Level 8	IC 410-668407/8	25Jul08CAL-08.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Perfluoropropionic acid (PFPrA)	-6.0 0.3	0.0	0.1	4.0	1.6	0.0	30 30	30	30	30	30	30
Perfluorobutanoic acid (PFBA)	5.2 -3.1	0.4 4.7	-1.8	-1.5	-1.6	-2.4	30 30	30 30	30	30	30	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.3 -1.1	-2.3	1.2	3.5	-0.6	-2.9	30 30	30	30	30	30	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	18.3 -2.1	1.0	-10.6	-1.7	-2.4	-2.5	30 30	30	30	30	30	30
Perfluoropentanoic acid (PFPeA)	-6.0 -5.3	3.4 14.1	-3.5	1.6	-0.3	-4.0	30 30	30 30	30	30	30	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	-2.2 -2.0	3.2	1.6	2.3	-3.7	0.9	30 30	30	30	30	30	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.2 -9.5	6.9	3.8	-2.1	2.4	-3.7	30 30	30	30	30	30	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.6 10.1	-9.6	-10.7	5.1	-0.7	1.1	30 30	30	30	30	30	30
Perfluorohexanoic acid (PFHxA)	18.7 -4.0	0.1 -2.4	-3.0	-2.4	-5.5	-1.5	30 30	30 30	30	30	30	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	-1.3 4.3	-0.8	-6.8	2.2	-1.3	3.8	30 30	30	30	30	30	30
Perfluorobutanesulfonic acid (PFBS)	6.9 -5.2	-0.8 15.7	-6.4	-4.2	-6.2	0.0	30 30	30 30	30	30	30	30
Perfluorobutanesulfonamide (FBSA)	-7.5 3.0	-3.2	2.3	5.7	-1.2	1.0	30 30	30	30	30	30	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	11.3 -5.6	3.9 0.4	-1.1	-5.9	-4.5	1.5	30 30	30 30	30	30	30	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	8.1 -4.6	14.0	-4.6	-2.6	-7.2	-3.1	30 30	30	30	30	30	30

ONLY ASSOCIATED WITH SAMPLE #6 (Field Blank) - no eval

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 668407

SDG No.:

Instrument ID: 30575 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2025 18:13 Calibration End Date: 07/08/2025 19:48 Calibration ID: 74409

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Perfluoroheptanoic acid (PFHpA)	9.2 -0.6	-3.3 1.6	-1.4	-2.8	-1.4	-1.2	30 30	30 30	30	30	30	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.6 -4.3	7.3 -5.4	3.0	5.0	-4.9	-2.3	30 30	30 30	30	30	30	30
Perfluoropentanesulfonic acid (PFPeS)	5.9 0.6	6.6 7.7	-3.2	-5.3	-4.4	-8.0	30 30	30 30	30	30	30	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	-6.6 -1.8	2.8	3.2	1.2	-1.8	3.0	30 30	30	30	30	30	30
Bis(trifluoromethane)sulfonamide (TFSI)	-1.4 2.9	2.7	0.9	-0.1	-4.0	-1.1	30 30	30	30	30	30	30
Perfluorooctanoic acid (PFOA)	9.0 -7.5	8.2 1.0	-3.8	0.4	-0.9	-6.3	30 30	30 30	30	30	30	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	-5.5 1.7	7.6	-1.1	-5.1	-1.4	3.8	30 30	30	30	30	30	30
Perfluorohexanesulfonic acid (PFHxS)	1.4 -2.4	-3.5 6.0	0.1	1.1	0.0	-2.7	30 30	30 30	30	30	30	30
Perfluorononanoic acid (PFNA)	19.9 -2.9	2.8 0.0	1.8	-5.4	-6.5	-9.7	30 30	30 30	30	30	30	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	-1.8 -3.9	7.8	-2.5	0.5	1.4	-1.4	30 30	30	30	30	30	30
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	8.9 -1.8	-4.8	3.6	2.9	-4.6	-4.3	30 30	30	30	30	30	30
Perfluoroheptanesulfonic acid (PFHpS)	14.2 -11.6	6.1 8.3	-2.7	-6.4	-5.3	-2.6	30 30	30 30	30	30	30	30
Perfluorohexanesulfonamide (FHxSA)	12.3 0.4	-2.8	-3.3	-1.5	-4.5	-0.6	30 30	30	30	30	30	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-5.9 -0.4	1.6	-1.1	1.0	3.9	0.8	30 30	30	30	30	30	30
Perfluorodecanoic acid (PFDA)	7.6 3.8	1.3	0.0	-4.8	-3.5	-4.4	30 30	30	30	30	30	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	6.4 -2.8	-2.4	5.3	-5.7	1.2	-2.1	30 30	30	30	30	30	30
Perfluorooctanesulfonic acid (PFOS)	17.7 -10.0	9.1 4.8	-3.7	-5.0	-6.1	-6.8	30 30	30 30	30	30	30	30
Perfluoroundecanoic acid (PFUnA)	-1.6 -2.7	8.3	-3.3	2.2	2.8	-5.7	30 30	30	30	30	30	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	10.1 -8.0	4.7	0.0	-3.2	-1.7	-1.8	30 30	30	30	30	30	30
Perfluorononanesulfonic acid (PFNS)	8.9 -9.4	6.2	0.0	-1.9	-0.2	-3.6	30 30	30	30	30	30	30

ONLY ASSOCIATED WITH SAMPLE #6 (Field Blank) - no eval

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1 Analy Batch No.: 668407

SDG No.:

Instrument ID: 30575 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2025 18:13 Calibration End Date: 07/08/2025 19:48 Calibration ID: 74409

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Perfluorododecanoic acid (PFDoA)	-4.0 3.9	2.5	-2.9	3.8	-1.3	-1.9	30 30	30	30	30	30	30
Perfluorooctanesulfonamide (PFOSA)	6.2 -3.6	5.5	1.7	-2.0	-2.8	-5.0	30 30	30	30	30	30	30
Perfluorodecanesulfonic acid (PFDS)	8.5 -8.4	6.1	0.1	-3.7	-1.4	-1.2	30 30	30	30	30	30	30
Perfluorotridecanoic acid (PFTrDA)	-0.8 3.1	1.2	-0.7	3.6	-6.3	0.0	30 30	30	30	30	30	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	10.7 -9.2	2.2	-2.0	1.3	-3.6	0.6	30 30	30	30	30	30	30
Perfluorotetradecanoic acid (PFTeDA)	-2.1 0.8	-3.7	5.2	-0.4	3.4	-3.2	30 30	30	30	30	30	30
Perfluorododecanesulfonic acid (PFDoS)	7.7 -9.1	2.7	0.8	0.5	-2.4	-0.2	30 30	30	30	30	30	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.9 -2.2	3.1	-1.4	2.2	-2.8	-0.8	30 30	30	30	30	30	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	-7.6 -5.2	5.6	4.4	-0.2	5.5	-2.4	30 30	30	30	30	30	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	-1.2 -4.8	3.5	1.6	1.4	1.5	-2.0	30 30	30	30	30	30	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	3.5 0.7	9.5	-4.9	-2.6	-2.1	-4.1	30 30	30	30	30	30	30
Perfluoro-n-octadecanoic acid (PFODA)	0.1 -7.9	-1.7	4.2	1.8	5.1	-1.6	30 30	30	30	30	30	30

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 410-674647/10 Calibration Date: 07/22/2025 16:50

Instrument ID: 30569 Calib Start Date: 07/22/2025 14:48

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/22/2025 16:23

Lab File ID: 25JUL22CAL-10.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	1.006	0.9276		5.76	6.25	-7.8	30.0
Perfluorobutanoic acid (PFBA)	AveID	0.8327	0.7595		2.28	2.50	-8.8	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0484	0.0429		2.22	2.50	-11.3	30.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	AveID	1.093	0.9238		1.06	1.25	-15.5	30.0
Perfluoropentanoic acid (PFPeA)	AveID	0.996	0.8478		1.06	1.25	-14.9	30.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	AveID	1.215	1.060		1.09	1.25	-12.8	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	1.790	1.633		2.14	2.35	-8.7	30.0
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	AveID	0.1063	0.0987		1.16	1.25	-7.2	30.0
Perfluorohexanoic acid (PFHxA)	AveID	0.8688	0.7490		1.08	1.25	-13.8	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.1232	0.1099		5.58	6.25	-10.8	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	0.7745	0.6831		0.979	1.11	-11.8	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	0.9655	0.8653		0.840	0.938	-10.4	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.6284	0.5675		1.13	1.25	-9.7	30.0
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	AveID	3.307	2.797		0.943	1.12	-15.4	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	0.8399	0.7222		1.07	1.25	-14.0	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	2.931	2.629		1.06	1.18	-10.3	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	1.827	1.718		2.24	2.38	-6.0	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.127	0.9691		1.01	1.18	-14.0	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.223	1.943		1.07	1.22	-12.6	30.0
Perfluorooctanoic acid (PFOA)	AveID	0.6103	0.4923		1.01	1.25	-19.3	30.0
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	AveID	0.0540	0.0489		5.66	6.25	-9.5	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	0.6698	0.5744		0.978	1.14	-14.2	30.0
Perfluorononanoic acid (PFNA)	AveID	0.7999	0.6595		1.03	1.25	-17.6	30.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	AveID	1.513	1.407		2.23	2.40	-7.1	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	AveID	0.2451	0.2275		1.07	1.16	-7.2	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.191	1.014		1.02	1.19	-14.9	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	0.9216	0.8002		1.09	1.25	-13.2	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8525	0.7380		1.08	1.25	-13.4	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 410-674647/10 Calibration Date: 07/22/2025 16:50

Instrument ID: 30569 Calib Start Date: 07/22/2025 14:48

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/22/2025 16:23

Lab File ID: 25JUL22CAL-10.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorodecanoic acid (PFDA)	AveID	0.6912	0.6436		1.16	1.25	-6.9	30.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8628	0.8586		1.24	1.25	-0.5	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.236	1.038		0.976	1.16	-16.0	30.0
Perfluoroundecanoic acid (PFUnA)	AveID	0.6561	0.5984		1.14	1.25	-8.8	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	AveID	2.656	2.198		0.966	1.17	-17.2	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.8756	0.7589		1.04	1.20	-13.3	30.0
Perfluorododecanoic acid (PFDoA)	AveID	0.8454	0.6775		1.00	1.25	-19.9	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	1.082	0.9847		1.14	1.25	-9.0	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	1.156	1.015		1.06	1.21	-12.2	30.0
Perfluorotridecanoic acid (PFTrDA)	AveID	1.044	0.9671		1.16	1.25	-7.4	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	AveID	2.169	1.803		0.981	1.18	-16.8	30.0
Perfluorotetradecanoic acid (PFTeDA)	AveID	0.1577	0.1392		1.10	1.25	-11.7	30.0
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	AveID	2.047	1.900		5.80	6.25	-7.2	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.9336	0.8098		1.05	1.21	-13.3	30.0
N-methylperfluorooctane sulfonamide (NMeFOSA)	AveID	0.9679	0.8022		1.04	1.25	-17.1	30.0
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	AveID	2.146	1.879		5.47	6.25	-12.5	30.0
N-ethylperfluorooctane sulfonamide (NEtFOSA)	AveID	0.9242	0.8333		1.13	1.25	-9.8	30.0
Perfluoro-n-octadecanoic acid (PFODA)	L2ID		1.549		1.30	1.25	3.9	30.0
13C3-PFPrA	Ave	0.5007	0.5356		2.14	2.00	7.0	30.0
13C4 PFBA	Ave	1.033	1.051		2.03	2.00	1.7	30.0
13C5 PFPeA	Ave	0.9609	0.9798		2.04	2.00	2.0	30.0
13C2 4:2 FTS	Ave	1.114	1.183		4.98	4.69	6.2	30.0
13C5 PFHxA	Ave	1.229	1.263		2.05	2.00	2.7	30.0
13C3 PFBS	Ave	1.590	1.611		1.89	1.86	1.3	30.0
13C3 HFPO-DA	Ave	0.8077	0.7630		1.89	2.00	-5.5	30.0
13C4 PFHpA	Ave	1.105	1.079		1.95	2.00	-2.4	30.0
13C2 6:2 FTS	Ave	1.039	1.070		4.90	4.76	3.0	30.0
13C8 PFOA	Ave	1.138	1.193		2.10	2.00	4.8	30.0
13C3 PFHxS	Ave	1.205	1.253		1.97	1.90	4.0	30.0
13C9 PFNA	Ave	1.104	1.095		1.98	2.00	-0.8	30.0
13C2 8:2 FTS	Ave	1.048	1.081		4.95	4.80	3.2	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 410-674647/10 Calibration Date: 07/22/2025 16:50

Instrument ID: 30569 Calib Start Date: 07/22/2025 14:48

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/22/2025 16:23

Lab File ID: 25JUL22CAL-10.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d3-NMeFOSAA	Ave	0.9742	0.996		5.11	5.00	2.2	30.0
13C6 PFDA	Ave	1.120	1.110		1.98	2.00	-0.9	30.0
d5-NEtFOSAA	Ave	0.6805	0.6965		5.12	5.00	2.3	30.0
13C8 PFOS	Ave	1.270	1.290		1.95	1.92	1.6	30.0
13C7 PFUnA	Ave	1.050	0.9358		1.78	2.00	-10.9	30.0
13C2 PFDoA	Ave	0.8712	0.8624		1.98	2.00	-1.0	30.0
13C8 FOSA	Ave	0.9635	0.9827		2.04	2.00	2.0	30.0
13C2 PFTeDA	Ave	0.6871	0.6100		1.78	2.00	-11.2	30.0
d7-N-MeFOSE-M	Ave	0.0874	0.0890		5.09	5.00	1.9	30.0
d3-NMePFOSA	Ave	0.3154	0.3493		2.22	2.00	10.8	30.0
d9-N-EtFOSE-M	Ave	0.1320	0.1346		5.10	5.00	2.0	30.0
d5-NEtPFOSA	Ave	0.4423	0.4266		1.93	2.00	-3.6	30.0



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVO 410-675863/1 ISC Calibration Date: 07/24/2025 15:08

Instrument ID: 30569 Calib Start Date: 07/22/2025 14:48

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/22/2025 16:23

Lab File ID: 25JUL24-01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	1.006	0.996		0.248	0.250	-0.9	30.0
Perfluorobutanoic acid (PFBA)	AveID	0.8327	0.8636		0.104	0.100	3.7	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0484	0.0453		0.0937	0.100	-6.3	30.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	AveID	1.093	0.9850		0.0451	0.0500	-9.9	30.0
Perfluoropentanoic acid (PFPeA)	AveID	0.996	1.027		0.0516	0.0500	3.2	30.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	AveID	1.215	1.140		0.0469	0.0500	-6.2	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	1.790	1.835		0.0961	0.0938	2.5	30.0
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	AveID	0.1063	0.1235		0.0581	0.0500	16.2	30.0
Perfluorohexanoic acid (PFHxA)	AveID	0.8688	1.017		0.0585	0.0500	17.1	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.1232	0.1191		0.242	0.250	-3.3	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	0.7745	0.7073		0.0405	0.0444	-8.7	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	0.9655	1.029		0.0400	0.0375	6.6	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.6284	0.5518		0.0439	0.0500	-12.2	30.0
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	AveID	3.307	3.296		0.0444	0.0446	-0.3	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	0.8399	0.8676		0.0516	0.0500	3.3	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	2.931	2.882		0.0465	0.0473	-1.6	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	1.827	1.862		0.0970	0.0952	1.9	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.127	1.159		0.0483	0.0470	2.8	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.223	2.360		0.0520	0.0490	6.2	30.0
Perfluorooctanoic acid (PFOA)	AveID	0.6103	0.6616		0.0542	0.0500	8.4	30.0
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	AveID	0.0540	0.0498		0.230	0.250	-7.8	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	0.6698	0.6671		0.0454	0.0456	-0.4	30.0
Perfluorononanoic acid (PFNA)	AveID	0.7999	0.8608		0.0538	0.0500	7.6	30.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	AveID	1.513	1.658		0.105	0.0960	9.6	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	AveID	0.2451	0.2176		0.0410	0.0462	-11.2	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.191	1.114		0.0446	0.0477	-6.5	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8525	0.7454		0.0437	0.0500	-12.6	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	0.9216	0.8287		0.0450	0.0500	-10.1	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVO 410-675863/1 Calibration Date: 07/24/2025 15:08

Instrument ID: 30569 Calib Start Date: 07/22/2025 14:48

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/22/2025 16:23

Lab File ID: 25JUL24-01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorodecanoic acid (PFDA)	AveID	0.6912	0.6610		0.0478	0.0500	-4.4	30.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8628	0.8641		0.0501	0.0500	0.1	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.236	1.336		0.0503	0.0465	8.1	30.0
Perfluoroundecanoic acid (PFUnA)	AveID	0.6561	0.7566		0.0577	0.0500	15.3	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	AveID	2.656	2.480		0.0436	0.0467	-6.6	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.8756	0.8263		0.0454	0.0481	-5.6	30.0
Perfluorododecanoic acid (PFDoA)	AveID	0.8454	0.8501		0.0503	0.0500	0.6	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	1.082	1.149		0.0531	0.0500	6.2	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	1.156	0.9744		0.0406	0.0482	-15.7	30.0
Perfluorotridecanoic acid (PFTrDA)	AveID	1.044	1.182		0.0566	0.0500	13.2	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	AveID	2.169	1.913		0.0416	0.0472	-11.8	30.0
Perfluorotetradecanoic acid (PFTeDA)	AveID	0.1577	0.1806		0.0573	0.0500	14.6	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.9336	0.7270		0.0378	0.0485	-22.1	30.0
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	AveID	2.047	2.278		0.278	0.250	11.3	30.0
N-methylperfluorooctane sulfonamide (NMeFOSA)	AveID	0.9679	0.9609		0.0496	0.0500	-0.7	30.0
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	AveID	2.146	2.063		0.240	0.250	-3.9	30.0
N-ethylperfluorooctane sulfonamide (NEtFOSA)	AveID	0.9242	0.9498		0.0514	0.0500	2.8	30.0
Perfluoro-n-octadecanoic acid (PFODA)	L2ID		1.443		0.0695	0.0500	38.9*	30.0
13C3-PFPrA	Ave	0.5007	0.5525		2.21	2.00	10.3	30.0
13C4 PFBA	Ave	1.033	1.009		1.95	2.00	-2.3	30.0
13C5 PFPeA	Ave	0.9609	0.9719		2.02	2.00	1.2	30.0
13C2 4:2 FTS	Ave	1.114	1.155		4.86	4.69	3.7	30.0
13C5 PFHxA	Ave	1.229	1.170		1.90	2.00	-4.8	30.0
13C3 PFBS	Ave	1.590	1.672		1.96	1.86	5.2	30.0
13C3 HFPO-DA	Ave	0.8077	0.7988		1.98	2.00	-1.1	30.0
13C4 PFHpA	Ave	1.105	1.118		2.02	2.00	1.1	30.0
13C2 6:2 FTS	Ave	1.039	1.045		4.79	4.76	0.6	30.0
13C8 PFOA	Ave	1.138	1.118		1.96	2.00	-1.8	30.0
13C3 PFHxS	Ave	1.205	1.225		1.93	1.90	1.6	30.0
13C9 PFNA	Ave	1.104	1.049		1.90	2.00	-5.0	30.0
13C2 8:2 FTS	Ave	1.048	1.030		4.72	4.80	-1.7	30.0

not a target analyte
- no qual

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVO 410-675863/1 Calibration Date: 07/24/2025 15:08

Instrument ID: 30569 Calib Start Date: 07/22/2025 14:48

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/22/2025 16:23

Lab File ID: 25JUL24-01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d3-NMeFOSAA	Ave	0.9742	1.017		5.22	5.00	4.4	30.0
13C6 PFDA	Ave	1.120	1.132		2.02	2.00	1.0	30.0
d5-NEtFOSAA	Ave	0.6805	0.7518		5.52	5.00	10.5	30.0
13C8 PFOS	Ave	1.270	1.334		2.01	1.92	5.0	30.0
13C7 PFUnA	Ave	1.050	1.062		2.02	2.00	1.1	30.0
13C2 PFDoA	Ave	0.8712	0.9262		2.13	2.00	6.3	30.0
13C8 FOSA	Ave	0.9635	0.9738		2.02	2.00	1.1	30.0
13C2 PFTeDA	Ave	0.6871	0.6873		2.00	2.00	0.0	30.0
d7-N-MeFOSE-M	Ave	0.0874	0.0826		4.73	5.00	-5.5	30.0
d3-NMePFOSA	Ave	0.3154	0.3210		2.04	2.00	1.8	30.0
d9-N-EtFOSE-M	Ave	0.1320	0.1327		5.02	5.00	0.5	30.0
d5-NEtPFOSA	Ave	0.4423	0.3994		1.81	2.00	-9.7	30.0





FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 410-675863/70 Calibration Date: 07/25/2025 03:36

Instrument ID: 30569 Calib Start Date: 07/22/2025 14:48

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/22/2025 16:23

Lab File ID: 25JUL24-51.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	1.006	1.009		5.02	5.00	0.4	30.0
Perfluorobutanoic acid (PFBA)	AveID	0.8327	0.8629		2.07	2.00	3.6	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0484	0.0413		1.71	2.00	-14.6	30.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	AveID	1.093	1.011		0.925	1.00	-7.5	30.0
Perfluoropentanoic acid (PFPeA)	AveID	0.996	0.9420		0.946	1.00	-5.4	30.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	AveID	1.215	1.196		0.984	1.00	-1.6	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	1.790	1.769		1.85	1.88	-1.2	30.0
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	AveID	0.1063	0.0995		0.936	1.00	-6.4	30.0
Perfluorohexanoic acid (PFHxA)	AveID	0.8688	0.8961		1.03	1.00	3.1	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.1232	0.1107		4.49	5.00	-10.1	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	0.7745	0.7354		0.843	0.888	-5.1	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	0.9655	0.9742		0.757	0.750	0.9	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.6284	0.5944		0.946	1.00	-5.4	30.0
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	AveID	3.307	3.183		0.858	0.892	-3.8	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	0.8399	0.8108		0.965	1.00	-3.5	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	2.931	2.901		0.936	0.946	-1.0	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	1.827	1.914		2.00	1.90	4.8	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.127	1.107		0.923	0.940	-1.8	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.223	2.436		1.07	0.979	9.6	30.0
Perfluorooctanoic acid (PFOA)	AveID	0.6103	0.5932		0.972	1.00	-2.8	30.0
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	AveID	0.0540	0.0530		4.91	5.00	-1.9	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	0.6698	0.5629		0.766	0.912	-16.0	30.0
Perfluorononanoic acid (PFNA)	AveID	0.7999	0.7630		0.954	1.00	-4.6	30.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	AveID	1.513	1.563		1.98	1.92	3.3	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	AveID	0.2451	0.2416		0.911	0.924	-1.4	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.191	1.124		0.900	0.954	-5.6	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8525	0.7981		0.936	1.00	-6.4	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	0.9216	0.8548		0.928	1.00	-7.2	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 410-675863/70 Calibration Date: 07/25/2025 03:36

Instrument ID: 30569 Calib Start Date: 07/22/2025 14:48

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/22/2025 16:23

Lab File ID: 25JUL24-51.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorodecanoic acid (PFDA)	AveID	0.6912	0.6757		0.978	1.00	-2.2	30.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8628	0.8538		0.990	1.00	-1.0	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.236	1.144		0.861	0.930	-7.5	30.0
Perfluoroundecanoic acid (PFUnA)	AveID	0.6561	0.7504		1.14	1.00	14.4	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	AveID	2.656	2.448		0.861	0.934	-7.8	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.8756	0.8171		0.898	0.962	-6.7	30.0
Perfluorododecanoic acid (PFDoA)	AveID	0.8454	0.8285		0.980	1.00	-2.0	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	1.082	1.097		1.01	1.00	1.4	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	1.156	0.9387		0.783	0.964	-18.8	30.0
Perfluorotridecanoic acid (PFTrDA)	AveID	1.044	1.066		1.02	1.00	2.2	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	AveID	2.169	1.987		0.865	0.944	-8.4	30.0
Perfluorotetradecanoic acid (PFTeDA)	AveID	0.1577	0.1496		0.949	1.00	-5.1	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.9336	0.7216		0.750	0.970	-22.7	30.0
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	AveID	2.047	2.051		5.01	5.00	0.2	30.0
N-methylperfluorooctane sulfonamide (NMeFOSA)	AveID	0.9679	0.9225		0.953	1.00	-4.7	30.0
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	AveID	2.146	1.981		4.61	5.00	-7.7	30.0
N-ethylperfluorooctane sulfonamide (NEtFOSA)	AveID	0.9242	0.9252		1.00	1.00	0.1	30.0
Perfluoro-n-octadecanoic acid (PFODA)	L2ID		1.388		0.937	1.00	-6.3	30.0
13C3-PFPrA	Ave	0.5007	0.5402		2.16	2.00	7.9	30.0
13C4 PFBA	Ave	1.033	1.013		1.96	2.00	-1.9	30.0
13C5 PFPeA	Ave	0.9609	0.9727		2.02	2.00	1.2	30.0
13C2 4:2 FTS	Ave	1.114	1.147		4.83	4.69	3.0	30.0
13C5 PFHxA	Ave	1.229	1.194		1.94	2.00	-2.8	30.0
13C3 PFBS	Ave	1.590	1.645		1.93	1.86	3.4	30.0
13C3 HFPO-DA	Ave	0.8077	0.8003		1.98	2.00	-0.9	30.0
13C4 PFHpA	Ave	1.105	1.122		2.03	2.00	1.5	30.0
13C2 6:2 FTS	Ave	1.039	1.049		4.81	4.76	1.0	30.0
13C8 PFOA	Ave	1.138	1.123		1.97	2.00	-1.3	30.0
13C3 PFHxS	Ave	1.205	1.262		1.99	1.90	4.7	30.0
13C9 PFNA	Ave	1.104	1.099		1.99	2.00	-0.4	30.0
13C2 8:2 FTS	Ave	1.048	1.055		4.83	4.80	0.7	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 410-675863/70
Calibration Date: 07/25/2025 03:36

Instrument ID: 30569
Calib Start Date: 07/22/2025 14:48

GC Column: Gemini C18 50mm ID: 3.00(mm)
Calib End Date: 07/22/2025 16:23

Lab File ID: 25JUL24-51.d
Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d3-NMeFOSAA	Ave	0.9742	1.028		5.28	5.00	5.6	30.0
13C6 PFDA	Ave	1.120	1.138		2.03	2.00	1.6	30.0
d5-NEtFOSAA	Ave	0.6805	0.7263		5.34	5.00	6.7	30.0
13C8 PFOS	Ave	1.270	1.323		2.00	1.92	4.1	30.0
13C7 PFUnA	Ave	1.050	1.052		2.00	2.00	0.2	30.0
13C2 PFDoA	Ave	0.8712	0.9275		2.13	2.00	6.5	30.0
13C8 FOSA	Ave	0.9635	0.9710		2.02	2.00	0.8	30.0
13C2 PFTeDA	Ave	0.6871	0.6959		2.03	2.00	1.3	30.0
d7-N-MeFOSE-M	Ave	0.0874	0.0885		5.06	5.00	1.3	30.0
d3-NMePFOSA	Ave	0.3154	0.3245		2.06	2.00	2.9	30.0
d9-N-EtFOSE-M	Ave	0.1320	0.1414		5.35	5.00	7.1	30.0
d5-NEtPFOSA	Ave	0.4423	0.3952		1.79	2.00	-10.6	30.0



missing from original package - included in revision

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 410-675863/72 Calibration Date: 07/25/2025 06:05

Instrument ID: 30569 Calib Start Date: 07/22/2025 14:48

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/22/2025 16:23

Lab File ID: 25JUL24-62.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	1.006	1.017		5.05	5.00	1.1	30.0
Perfluorobutanoic acid (PFBA)	AveID	0.8327	0.8608		2.07	2.00	3.4	30.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	AveID	1.093	1.012		0.926	1.00	-7.4	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0484	0.0420		1.74	2.00	-13.2	30.0
Perfluoropentanoic acid (PFPeA)	AveID	0.996	0.9726		0.977	1.00	-2.3	30.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	AveID	1.215	1.217		1.00	1.00	0.2	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	1.790	1.766		1.85	1.88	-1.4	30.0
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	AveID	0.1063	0.1018		0.957	1.00	-4.3	30.0
Perfluorohexanoic acid (PFHxA)	AveID	0.8688	0.8890		1.02	1.00	2.3	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.1232	0.1137		4.62	5.00	-7.7	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	0.7745	0.7459		0.855	0.888	-3.7	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	0.9655	1.011		0.785	0.750	4.7	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.6284	0.6011		0.957	1.00	-4.3	30.0
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	AveID	3.307	3.134		0.845	0.892	-5.2	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	0.8399	0.8165		0.972	1.00	-2.8	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	2.931	2.832		0.914	0.946	-3.4	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	1.827	1.820		1.90	1.90	-0.4	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.127	1.102		0.919	0.940	-2.2	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.223	2.425		1.07	0.979	9.1	30.0
Perfluorooctanoic acid (PFOA)	AveID	0.6103	0.5915		0.969	1.00	-3.1	30.0
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	AveID	0.0540	0.0486		4.50	5.00	-9.9	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	0.6698	0.6022		0.820	0.912	-10.1	30.0
Perfluorononanoic acid (PFNA)	AveID	0.7999	0.7953		0.994	1.00	-0.6	30.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	AveID	1.513	1.528		1.94	1.92	0.9	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	AveID	0.2451	0.2486		0.937	0.924	1.4	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.191	1.148		0.919	0.954	-3.6	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8525	0.7985		0.937	1.00	-6.3	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	0.9216	0.8565		0.929	1.00	-7.1	30.0

missing from original package - included in revision

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 410-675863/72 Calibration Date: 07/25/2025 06:05

Instrument ID: 30569 Calib Start Date: 07/22/2025 14:48

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/22/2025 16:23

Lab File ID: 25JUL24-62.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorodecanoic acid (PFDA)	AveID	0.6912	0.6068		0.878	1.00	-12.2	30.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8628	0.8976		1.04	1.00	4.0	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.236	1.172		0.882	0.930	-5.2	30.0
Perfluoroundecanoic acid (PFUnA)	AveID	0.6561	0.7069		1.08	1.00	7.7	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	AveID	2.656	2.571		0.904	0.934	-3.2	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.8756	0.8530		0.937	0.962	-2.6	30.0
Perfluorododecanoic acid (PFDoA)	AveID	0.8454	0.8703		1.03	1.00	2.9	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	1.082	1.104		1.02	1.00	2.0	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	1.156	1.015		0.847	0.964	-12.2	30.0
Perfluorotridecanoic acid (PFTrDA)	AveID	1.044	1.168		1.12	1.00	11.9	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	AveID	2.169	2.053		0.894	0.944	-5.3	30.0
Perfluorotetradecanoic acid (PFTeDA)	AveID	0.1577	0.1408		0.893	1.00	-10.7	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.9336	0.7649		0.795	0.970	-18.1	30.0
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	AveID	2.047	2.158		5.27	5.00	5.4	30.0
N-methylperfluorooctane sulfonamide (NMeFOSA)	AveID	0.9679	0.9582		0.990	1.00	-1.0	30.0
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	AveID	2.146	2.159		5.03	5.00	0.6	30.0
N-ethylperfluorooctane sulfonamide (NEtFOSA)	AveID	0.9242	0.9234		0.999	1.00	-0.0	30.0
Perfluoro-n-octadecanoic acid (PFODA)	L2ID		1.399		0.945	1.00	-5.5	30.0
13C3-PFPrA	Ave	0.5007	0.5367		2.14	2.00	7.2	30.0
13C4 PFBA	Ave	1.033	1.025		1.98	2.00	-0.8	30.0
13C5 PFPeA	Ave	0.9609	0.9334		1.94	2.00	-2.9	30.0
13C2 4:2 FTS	Ave	1.114	1.124		4.73	4.69	0.9	30.0
13C5 PFHxA	Ave	1.229	1.168		1.90	2.00	-5.0	30.0
13C3 PFBS	Ave	1.590	1.578		1.85	1.86	-0.8	30.0
13C3 HFPO-DA	Ave	0.8077	0.7882		1.95	2.00	-2.4	30.0
13C4 PFHpA	Ave	1.105	1.096		1.98	2.00	-0.8	30.0
13C2 6:2 FTS	Ave	1.039	1.031		4.72	4.76	-0.8	30.0
13C8 PFOA	Ave	1.138	1.188		2.09	2.00	4.3	30.0
13C3 PFHxS	Ave	1.205	1.202		1.89	1.90	-0.2	30.0
13C9 PFNA	Ave	1.104	1.121		2.03	2.00	1.6	30.0
13C2 8:2 FTS	Ave	1.048	1.041		4.77	4.80	-0.6	30.0

FORM VII 1633A

missing from original package - included in revision

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 410-675863/72 Calibration Date: 07/25/2025 06:05

Instrument ID: 30569 Calib Start Date: 07/22/2025 14:48

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/22/2025 16:23

Lab File ID: 25JUL24-62.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d3-NMeFOSAA	Ave	0.9742	1.046		5.37	5.00	7.3	30.0
13C6 PFDA	Ave	1.120	1.155		2.06	2.00	3.1	30.0
d5-NEtFOSAA	Ave	0.6805	0.7549		5.55	5.00	10.9	30.0
13C8 PFOS	Ave	1.270	1.329		2.00	1.92	4.6	30.0
13C7 PFUnA	Ave	1.050	1.081		2.06	2.00	2.9	30.0
13C2 PFDoA	Ave	0.8712	0.8990		2.06	2.00	3.2	30.0
13C8 FOSA	Ave	0.9635	1.013		2.10	2.00	5.1	30.0
13C2 PFTeDA	Ave	0.6871	0.6774		1.97	2.00	-1.4	30.0
d7-N-MeFOSE-M	Ave	0.0874	0.0919		5.26	5.00	5.1	30.0
d3-NMePFOSA	Ave	0.3154	0.3168		2.01	2.00	0.4	30.0
d9-N-EtFOSE-M	Ave	0.1320	0.1369		5.18	5.00	3.7	30.0
d5-NEtPFOSA	Ave	0.4423	0.4395		1.99	2.00	-0.6	30.0





FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 410-673272/10 Calibration Date: 07/18/2025 17:50

Instrument ID: 30571 Calib Start Date: 07/18/2025 13:18

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/18/2025 17:37

Lab File ID: 25Jul18-920.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	0.9867	1.028		6.51	6.25	4.2	30.0
Perfluorobutanoic acid (PFBA)	AveID	0.8624	0.8500		2.46	2.50	-1.4	30.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	AveID	1.301	1.278		1.23	1.25	-1.8	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0388	0.0429		2.76	2.50	10.5	30.0
Perfluoropentanoic acid (PFPeA)	AveID	0.9727	0.8952		1.15	1.25	-8.0	30.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	AveID	1.314	1.352		1.29	1.25	2.9	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.039	2.109		2.42	2.34	3.4	30.0
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	AveID	0.0467	0.0462		1.24	1.25	-1.1	30.0
Perfluorohexanoic acid (PFHxA)	AveID	0.7746	0.6671		1.08	1.25	-13.9	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.040	0.9785		1.04	1.11	-5.9	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.0722	0.0677		5.86	6.25	-6.3	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	L2ID		0.6930		0.839	0.938	-10.5	30.0
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	AveID	2.372	2.287		1.08	1.12	-3.6	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	0.6787	0.6713		1.24	1.25	-1.1	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.5575	0.5504		1.23	1.25	-1.3	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	6.361	6.209		1.15	1.18	-2.4	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.057	1.050		1.17	1.18	-0.7	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	2.078	2.045		2.34	2.38	-1.6	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.437	2.429		1.22	1.22	-0.3	30.0
Perfluorooctanoic acid (PFOA)	L2ID		0.5002		1.11	1.25	-10.9	30.0
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	AveID	0.0907	0.0845		5.82	6.25	-6.8	30.0
Perfluorohexanesulfonic acid (PFHxS)	L2ID		0.9770		1.09	1.14	-4.0	30.0
Perfluorononanoic acid (PFNA)	L2ID		0.8046		1.23	1.25	-1.2	30.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	AveID	1.648	1.638		2.39	2.40	-0.6	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	AveID	0.4415	0.4288		1.12	1.16	-2.9	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.238	1.112		1.07	1.19	-10.2	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.9755	0.9166		1.17	1.25	-6.0	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.055	1.071		1.27	1.25	1.5	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 410-673272/10 Calibration Date: 07/18/2025 17:50

Instrument ID: 30571 Calib Start Date: 07/18/2025 13:18

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/18/2025 17:37

Lab File ID: 25Jul18-920.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorodecanoic acid (PFDA)	AveID	0.6159	0.5592		1.13	1.25	-9.2	30.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9375	0.8687		1.16	1.25	-7.3	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.348	1.216		1.05	1.16	-9.8	30.0
Perfluoroundecanoic acid (PFUnA)	AveID	0.6030	0.5681		1.18	1.25	-5.8	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	AveID	2.606	2.307		1.03	1.17	-11.5	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.8781	0.8425		1.15	1.20	-4.1	30.0
Perfluorododecanoic acid (PFDoA)	AveID	0.7140	0.7548		1.32	1.25	5.7	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	1.053	1.038		1.23	1.25	-1.5	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.9672	0.9107		1.13	1.21	-5.8	30.0
Perfluorotridecanoic acid (PFTrDA)	AveID	0.9233	0.9365		1.27	1.25	1.4	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	AveID	1.927	1.816		1.11	1.18	-5.7	30.0
Perfluorotetradecanoic acid (PFTeDA)	AveID	0.1561	0.1460		1.17	1.25	-6.5	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.9419	0.8784		1.13	1.21	-6.7	30.0
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	AveID	2.463	2.521		6.40	6.25	2.3	30.0
N-methylperfluorooctane sulfonamide (NMeFOSA)	AveID	0.8858	0.8132		1.15	1.25	-8.2	30.0
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	AveID	2.727	2.705		6.20	6.25	-0.8	30.0
N-ethylperfluorooctane sulfonamide (NEtFOSA)	AveID	0.8870	0.8271		1.17	1.25	-6.8	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	1.247	1.196		1.20	1.25	-4.1	30.0
13C3-PFPrA	Ave	0.6790	0.6919		2.04	2.00	1.9	30.0
13C4 PFBA	Ave	1.061	1.067		2.01	2.00	0.6	30.0
13C5 PFPeA	Ave	0.9517	0.9634		2.02	2.00	1.2	30.0
13C2 4:2 FTS	Ave	0.5813	0.5808		4.69	4.69	-0.1	30.0
13C5 PFHxA	Ave	1.481	1.578		2.13	2.00	6.6	30.0
13C3 PFBS	Ave	1.190	1.163		1.82	1.86	-2.3	30.0
13C3 HFPO-DA	Ave	0.5257	0.5390		2.05	2.00	2.5	30.0
13C4 PFHpA	Ave	1.282	1.335		2.08	2.00	4.1	30.0
13C2 6:2 FTS	Ave	0.6042	0.6231		4.91	4.76	3.1	30.0
13C8 PFOA	Ave	1.051	1.045		1.99	2.00	-0.6	30.0
13C3 PFHxS	Ave	0.9916	0.9638		1.84	1.90	-2.8	30.0
13C9 PFNA	Ave	0.9436	0.9811		2.08	2.00	4.0	30.0
13C2 8:2 FTS	Ave	0.6866	0.7039		4.92	4.80	2.5	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICV 410-673272/10 Calibration Date: 07/18/2025 17:50

Instrument ID: 30571 Calib Start Date: 07/18/2025 13:18

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/18/2025 17:37

Lab File ID: 25Jul18-920.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d3-NMeFOSAA	Ave	0.6411	0.6257		4.88	5.00	-2.4	30.0
13C6 PFDA	Ave	1.018	1.025		2.01	2.00	0.7	30.0
d5-NEtFOSAA	Ave	0.5338	0.5357		5.02	5.00	0.4	30.0
13C8 PFOS	Ave	1.073	1.091		1.95	1.92	1.7	30.0
13C7 PFUnA	Ave	0.9211	0.9225		2.00	2.00	0.2	30.0
13C2 PFDoA	Ave	0.8171	0.8131		1.99	2.00	-0.5	30.0
13C8 FOSA	Ave	0.7883	0.7827		1.99	2.00	-0.7	30.0
13C2 PFTeDA	Ave	0.6046	0.6344		2.10	2.00	4.9	30.0
d7-N-MeFOSE-M	Ave	0.0451	0.0443		4.91	5.00	-1.8	30.0
d3-NMePFOSA	Ave	0.2369	0.2367		2.00	2.00	-0.0	30.0
d9-N-EtFOSE-M	Ave	0.0629	0.0639		5.08	5.00	1.7	30.0
d5-NEtPFOSA	Ave	0.3104	0.3089		1.99	2.00	-0.5	30.0





FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVO 410-673475/12 ISC Calibration Date: 07/18/2025 18:04

Instrument ID: 30571 Calib Start Date: 07/18/2025 13:18

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/18/2025 17:37

Lab File ID: 25Jul18-921.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	0.9867	0.9861		0.250	0.250	-0.0	30.0
Perfluorobutanoic acid (PFBA)	AveID	0.8624	0.8861		0.103	0.100	2.8	30.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	AveID	1.301	1.384		0.0532	0.0500	6.4	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0388	0.0428		0.110	0.100	10.1	30.0
Perfluoropentanoic acid (PFPeA)	AveID	0.9727	1.091		0.0561	0.0500	12.2	30.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	AveID	1.314	1.226		0.0466	0.0500	-6.8	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.039	2.078		0.0956	0.0938	1.9	30.0
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	AveID	0.0467	0.0605		0.0648	0.0500	29.5	30.0
Perfluorohexanoic acid (PFHxA)	AveID	0.7746	0.8856		0.0572	0.0500	14.3	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.040	1.201		0.0513	0.0444	15.5	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.0722	0.0708		0.245	0.250	-2.0	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	L2ID		0.8979		0.0337	0.0375	-10.1	30.0
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	AveID	2.372	2.251		0.0423	0.0446	-5.1	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	0.6787	0.6708		0.0494	0.0500	-1.2	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.5575	0.6046		0.0542	0.0500	8.4	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	6.361	6.386		0.0475	0.0473	0.4	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.057	1.221		0.0543	0.0470	15.5	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	2.078	2.133		0.0977	0.0952	2.6	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.437	2.633		0.0529	0.0490	8.1	30.0
Perfluorooctanoic acid (PFOA)	L2ID		0.7354		0.0553	0.0500	10.7	30.0
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	AveID	0.0907	0.0847		0.233	0.250	-6.6	30.0
Perfluorohexanesulfonic acid (PFHxS)	L2ID		1.255		0.0485	0.0456	6.4	30.0
Perfluorononanoic acid (PFNA)	L2ID		1.236		0.0630	0.0500	26.0	30.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	AveID	1.648	1.685		0.0982	0.0960	2.2	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	AveID	0.4415	0.4044		0.0423	0.0462	-8.4	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.238	1.269		0.0489	0.0477	2.5	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.9755	1.003		0.0514	0.0500	2.8	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.055	1.167		0.0553	0.0500	10.7	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVO 410-673475/12 Calibration Date: 07/18/2025 18:04

Instrument ID: 30571 Calib Start Date: 07/18/2025 13:18

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/18/2025 17:37

Lab File ID: 25Jul18-921.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorodecanoic acid (PFDA)	AveID	0.6159	0.6379		0.0518	0.0500	3.6	30.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9375	0.9571		0.0510	0.0500	2.1	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.348	1.617		0.0558	0.0465	20.0	30.0
Perfluoroundecanoic acid (PFUnA)	AveID	0.6030	0.5709		0.0473	0.0500	-5.3	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	AveID	2.606	2.565		0.0460	0.0467	-1.5	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.8781	0.8131		0.0445	0.0481	-7.4	30.0
Perfluorododecanoic acid (PFDoA)	AveID	0.7140	0.8403		0.0588	0.0500	17.7	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	1.053	1.052		0.0499	0.0500	-0.1	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.9672	0.9510		0.0474	0.0482	-1.7	30.0
Perfluorotridecanoic acid (PFTrDA)	AveID	0.9233	0.9272		0.0502	0.0500	0.4	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	AveID	1.927	1.933		0.0473	0.0472	0.3	30.0
Perfluorotetradecanoic acid (PFTeDA)	AveID	0.1561	0.1652		0.0529	0.0500	5.8	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.9419	0.8924		0.0459	0.0485	-5.3	30.0
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	AveID	2.463	2.719		0.276	0.250	10.4	30.0
N-methylperfluorooctane sulfonamide (NMeFOSA)	AveID	0.8858	1.009		0.0570	0.0500	13.9	30.0
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	AveID	2.727	2.788		0.256	0.250	2.2	30.0
N-ethylperfluorooctane sulfonamide (NEtFOSA)	AveID	0.8870	0.8482		0.0478	0.0500	-4.4	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	1.247	1.324		0.0531	0.0500	6.1	30.0
13C3-PFPrA	Ave	0.6790	0.6763		1.99	2.00	-0.4	30.0
13C4 PFBA	Ave	1.061	1.016		1.91	2.00	-4.3	30.0
13C5 PFPeA	Ave	0.9517	0.9509		2.00	2.00	-0.0	30.0
13C2 4:2 FTS	Ave	0.5813	0.5703		4.60	4.69	-1.9	30.0
13C5 PFHxA	Ave	1.481	1.531		2.07	2.00	3.4	30.0
13C3 PFBS	Ave	1.190	1.088		1.70	1.86	-8.6	30.0
13C3 HFPO-DA	Ave	0.5257	0.5196		1.98	2.00	-1.2	30.0
13C4 PFHpA	Ave	1.282	1.292		2.02	2.00	0.8	30.0
13C2 6:2 FTS	Ave	0.6042	0.6362		5.01	4.76	5.3	30.0
13C8 PFOA	Ave	1.051	1.046		1.99	2.00	-0.5	30.0
13C3 PFHxS	Ave	0.9916	0.9166		1.75	1.90	-7.6	30.0
13C9 PFNA	Ave	0.9436	0.9223		1.95	2.00	-2.3	30.0
13C2 8:2 FTS	Ave	0.6866	0.6672		4.66	4.80	-2.8	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCVO 410-673475/12
Calibration Date: 07/18/2025 18:04

Instrument ID: 30571
Calib Start Date: 07/18/2025 13:18

GC Column: Gemini C18 50mm ID: 3.00(mm)
Calib End Date: 07/18/2025 17:37

Lab File ID: 25Jul18-921.d
Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d3-NMeFOSAA	Ave	0.6411	0.6347		4.95	5.00	-1.0	30.0
13C6 PFDA	Ave	1.018	1.062		2.09	2.00	4.3	30.0
d5-NEtFOSAA	Ave	0.5338	0.5241		4.91	5.00	-1.8	30.0
13C8 PFOS	Ave	1.073	1.077		1.92	1.92	0.4	30.0
13C7 PFUnA	Ave	0.9211	0.9557		2.08	2.00	3.8	30.0
13C2 PFDoA	Ave	0.8171	0.8526		2.09	2.00	4.4	30.0
13C8 FOSA	Ave	0.7883	0.7634		1.94	2.00	-3.2	30.0
13C2 PFTeDA	Ave	0.6046	0.6502		2.15	2.00	7.6	30.0
d7-N-MeFOSE-M	Ave	0.0451	0.0474		5.25	5.00	4.9	30.0
d3-NMePFOSA	Ave	0.2369	0.2277		1.92	2.00	-3.9	30.0
d9-N-EtFOSE-M	Ave	0.0629	0.0614		4.89	5.00	-2.3	30.0
d5-NEtPFOSA	Ave	0.3104	0.3032		1.95	2.00	-2.3	30.0



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 410-673475/78 Calibration Date: 07/19/2025 09:01

Instrument ID: 30571 Calib Start Date: 07/18/2025 13:18

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/18/2025 17:37

Lab File ID: 25Jul18S-59.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	0.9867	0.9840		4.99	5.00	-0.3	30.0
Perfluorobutanoic acid (PFBA)	AveID	0.8624	0.8233		1.91	2.00	-4.5	30.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	AveID	1.301	1.247		0.958	1.00	-4.2	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0388	0.0384		1.98	2.00	-1.1	30.0
Perfluoropentanoic acid (PFPeA)	AveID	0.9727	0.8978		0.923	1.00	-7.7	30.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	AveID	1.314	1.233		0.938	1.00	-6.2	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.039	2.105		1.94	1.88	3.3	30.0
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	AveID	0.0467	0.0492		1.05	1.00	5.4	30.0
Perfluorohexanoic acid (PFHxA)	AveID	0.7746	0.7024		0.907	1.00	-9.3	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.040	0.9793		0.836	0.888	-5.9	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.0722	0.0720		4.99	5.00	-0.2	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	L2ID		0.7252		0.701	0.750	-6.6	30.0
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	AveID	2.372	2.438		0.917	0.892	2.8	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	0.6787	0.6871		1.01	1.00	1.2	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.5575	0.5619		1.01	1.00	0.8	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	6.361	6.077		0.904	0.946	-4.5	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.057	1.172		1.04	0.940	10.9	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	2.078	2.075		1.90	1.90	-0.2	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.437	2.632		1.06	0.979	8.0	30.0
Perfluorooctanoic acid (PFOA)	L2ID		0.5619		1.00	1.00	0.0	30.0
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	AveID	0.0907	0.0846		4.66	5.00	-6.8	30.0
Perfluorohexanesulfonic acid (PFHxS)	L2ID		1.100		0.985	0.912	8.0	30.0
Perfluorononanoic acid (PFNA)	L2ID		0.8560		1.05	1.00	4.9	30.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	AveID	1.648	1.738		2.02	1.92	5.4	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	AveID	0.4415	0.4722		0.988	0.924	6.9	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.238	1.160		0.894	0.954	-6.3	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.9755	0.998		1.02	1.00	2.3	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.055	1.171		1.11	1.00	11.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 410-673475/78 Calibration Date: 07/19/2025 09:01

Instrument ID: 30571 Calib Start Date: 07/18/2025 13:18

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/18/2025 17:37

Lab File ID: 25Jul18S-59.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorodecanoic acid (PFDA)	AveID	0.6159	0.5541		0.900	1.00	-10.0	30.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9375	0.9294		0.991	1.00	-0.9	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.348	1.257		0.868	0.930	-6.7	30.0
Perfluoroundecanoic acid (PFUnA)	AveID	0.6030	0.5819		0.965	1.00	-3.5	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	AveID	2.606	2.519		0.903	0.934	-3.3	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.8781	0.8491		0.930	0.962	-3.3	30.0
Perfluorododecanoic acid (PFDoA)	AveID	0.7140	0.7634		1.07	1.00	6.9	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	1.053	1.049		0.996	1.00	-0.4	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.9672	0.9456		0.942	0.964	-2.2	30.0
Perfluorotridecanoic acid (PFTrDA)	AveID	0.9233	0.8874		0.961	1.00	-3.9	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	AveID	1.927	1.815		0.889	0.944	-5.8	30.0
Perfluorotetradecanoic acid (PFTeDA)	AveID	0.1561	0.1410		0.904	1.00	-9.6	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.9419	0.9068		0.934	0.970	-3.7	30.0
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	AveID	2.463	2.316		4.70	5.00	-5.9	30.0
N-methylperfluorooctane sulfonamide (NMeFOSA)	AveID	0.8858	0.9068		1.02	1.00	2.4	30.0
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	AveID	2.727	2.665		4.89	5.00	-2.3	30.0
N-ethylperfluorooctane sulfonamide (NEtFOSA)	AveID	0.8870	0.8952		1.01	1.00	0.9	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	1.247	1.224		0.982	1.00	-1.8	30.0
13C3-PFPrA	Ave	0.6790	0.6877		2.03	2.00	1.3	30.0
13C4 PFBA	Ave	1.061	1.090		2.06	2.00	2.8	30.0
13C5 PFPeA	Ave	0.9517	0.9877		2.08	2.00	3.8	30.0
13C2 4:2 FTS	Ave	0.5813	0.5849		4.72	4.69	0.6	30.0
13C5 PFHxA	Ave	1.481	1.526		2.06	2.00	3.1	30.0
13C3 PFBS	Ave	1.190	1.221		1.91	1.86	2.6	30.0
13C3 HFPO-DA	Ave	0.5257	0.5344		2.03	2.00	1.7	30.0
13C4 PFHpA	Ave	1.282	1.280		2.00	2.00	-0.1	30.0
13C2 6:2 FTS	Ave	0.6042	0.6212		4.89	4.76	2.8	30.0
13C8 PFOA	Ave	1.051	1.059		2.01	2.00	0.7	30.0
13C3 PFHxS	Ave	0.9916	0.9040		1.73	1.90	-8.8	30.0
13C9 PFNA	Ave	0.9436	0.9522		2.02	2.00	0.9	30.0
13C2 8:2 FTS	Ave	0.6866	0.7004		4.90	4.80	2.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 410-673475/78 Calibration Date: 07/19/2025 09:01

Instrument ID: 30571 Calib Start Date: 07/18/2025 13:18

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/18/2025 17:37

Lab File ID: 25Jul18S-59.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d3-NMeFOSAA	Ave	0.6411	0.6457		5.04	5.00	0.7	30.0
13C6 PFDA	Ave	1.018	1.085		2.13	2.00	6.6	30.0
d5-NEtFOSAA	Ave	0.5338	0.5585		5.23	5.00	4.6	30.0
13C8 PFOS	Ave	1.073	1.118		2.00	1.92	4.2	30.0
13C7 PFUnA	Ave	0.9211	0.9419		2.05	2.00	2.3	30.0
13C2 PFDoA	Ave	0.8171	0.8404		2.06	2.00	2.9	30.0
13C8 FOSA	Ave	0.7883	0.8066		2.05	2.00	2.3	30.0
13C2 PFTeDA	Ave	0.6046	0.6168		2.04	2.00	2.0	30.0
d7-N-MeFOSE-M	Ave	0.0451	0.0450		4.98	5.00	-0.4	30.0
d3-NMePFOSA	Ave	0.2369	0.2382		2.01	2.00	0.5	30.0
d9-N-EtFOSE-M	Ave	0.0629	0.0619		4.93	5.00	-1.5	30.0
d5-NEtPFOSA	Ave	0.3104	0.3084		1.99	2.00	-0.7	30.0



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 410-673475/80 Calibration Date: 07/19/2025 10:22

Instrument ID: 30571 Calib Start Date: 07/18/2025 13:18

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/18/2025 17:37

Lab File ID: 25Jul18S-65.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	0.9867	0.9789		4.96	5.00	-0.8	30.0
Perfluorobutanoic acid (PFBA)	AveID	0.8624	0.8444		1.96	2.00	-2.1	30.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	AveID	1.301	1.280		0.984	1.00	-1.6	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0388	0.0403		2.07	2.00	3.7	30.0
Perfluoropentanoic acid (PFPeA)	AveID	0.9727	0.9199		0.946	1.00	-5.4	30.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	AveID	1.314	1.304		0.992	1.00	-0.8	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.039	2.033		1.87	1.88	-0.3	30.0
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	AveID	0.0467	0.0414		0.886	1.00	-11.4	30.0
Perfluorohexanoic acid (PFHxA)	AveID	0.7746	0.7700		0.994	1.00	-0.6	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.040	1.005		0.858	0.888	-3.4	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.0722	0.0728		5.04	5.00	0.7	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	L2ID		0.7657		0.740	0.750	-1.3	30.0
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	AveID	2.372	2.419		0.910	0.892	2.0	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	0.6787	0.6541		0.964	1.00	-3.6	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.5575	0.5731		1.03	1.00	2.8	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	6.361	6.632		0.986	0.946	4.3	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.057	1.073		0.954	0.940	1.5	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	2.078	2.001		1.83	1.90	-3.7	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.437	2.459		0.988	0.979	0.9	30.0
Perfluorooctanoic acid (PFOA)	L2ID		0.5224		0.929	1.00	-7.1	30.0
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	AveID	0.0907	0.0862		4.75	5.00	-5.0	30.0
Perfluorohexanesulfonic acid (PFHxS)	L2ID		0.9569		0.856	0.912	-6.1	30.0
Perfluorononanoic acid (PFNA)	L2ID		0.8572		1.05	1.00	5.0	30.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	AveID	1.648	1.632		1.90	1.92	-1.0	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	AveID	0.4415	0.4287		0.897	0.924	-2.9	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.238	1.121		0.864	0.954	-9.5	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.9755	0.9538		0.978	1.00	-2.2	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.055	1.072		1.02	1.00	1.6	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 410-673475/80 Calibration Date: 07/19/2025 10:22

Instrument ID: 30571 Calib Start Date: 07/18/2025 13:18

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/18/2025 17:37

Lab File ID: 25Jul18S-65.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorodecanoic acid (PFDA)	AveID	0.6159	0.5321		0.864	1.00	-13.6	30.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9375	0.8935		0.953	1.00	-4.7	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.348	1.237		0.854	0.930	-8.2	30.0
Perfluoroundecanoic acid (PFUnA)	AveID	0.6030	0.5615		0.931	1.00	-6.9	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	AveID	2.606	2.453		0.879	0.934	-5.9	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.8781	0.8442		0.925	0.962	-3.9	30.0
Perfluorododecanoic acid (PFDoA)	AveID	0.7140	0.7045		0.987	1.00	-1.3	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	1.053	1.030		0.978	1.00	-2.2	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.9672	0.9200		0.917	0.964	-4.9	30.0
Perfluorotridecanoic acid (PFTrDA)	AveID	0.9233	0.9003		0.975	1.00	-2.5	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	AveID	1.927	1.795		0.880	0.944	-6.8	30.0
Perfluorotetradecanoic acid (PFTeDA)	AveID	0.1561	0.1496		0.959	1.00	-4.1	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.9419	0.8758		0.902	0.970	-7.0	30.0
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	AveID	2.463	2.438		4.95	5.00	-1.0	30.0
N-methylperfluorooctane sulfonamide (NMeFOSA)	AveID	0.8858	0.8781		0.991	1.00	-0.9	30.0
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	AveID	2.727	2.810		5.15	5.00	3.0	30.0
N-ethylperfluorooctane sulfonamide (NEtFOSA)	AveID	0.8870	0.8981		1.01	1.00	1.3	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	1.247	1.083		0.869	1.00	-13.1	30.0
13C3-PFPrA	Ave	0.6790	0.6926		2.04	2.00	2.0	30.0
13C4 PFBA	Ave	1.061	1.066		2.01	2.00	0.5	30.0
13C5 PFPeA	Ave	0.9517	0.9361		1.97	2.00	-1.6	30.0
13C2 4:2 FTS	Ave	0.5813	0.6108		4.93	4.69	5.1	30.0
13C5 PFHxA	Ave	1.481	1.451		1.96	2.00	-2.0	30.0
13C3 PFBS	Ave	1.190	1.215		1.90	1.86	2.1	30.0
13C3 HFPO-DA	Ave	0.5257	0.5011		1.91	2.00	-4.7	30.0
13C4 PFHpA	Ave	1.282	1.257		1.96	2.00	-2.0	30.0
13C2 6:2 FTS	Ave	0.6042	0.6615		5.21	4.76	9.5	30.0
13C8 PFOA	Ave	1.051	1.040		1.98	2.00	-1.1	30.0
13C3 PFHxS	Ave	0.9916	1.005		1.92	1.90	1.4	30.0
13C9 PFNA	Ave	0.9436	0.9614		2.04	2.00	1.9	30.0
13C2 8:2 FTS	Ave	0.6866	0.7247		5.07	4.80	5.6	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Lab Sample ID: CCV 410-673475/80 Calibration Date: 07/19/2025 10:22

Instrument ID: 30571 Calib Start Date: 07/18/2025 13:18

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/18/2025 17:37

Lab File ID: 25Jul18S-65.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d3-NMeFOSAA	Ave	0.6411	0.6406		5.00	5.00	-0.0	30.0
13C6 PFDA	Ave	1.018	1.151		2.26	2.00	13.1	30.0
d5-NEtFOSAA	Ave	0.5338	0.5500		5.15	5.00	3.1	30.0
13C8 PFOS	Ave	1.073	1.120		2.00	1.92	4.4	30.0
13C7 PFUnA	Ave	0.9211	1.043		2.27	2.00	13.3	30.0
13C2 PFDoA	Ave	0.8171	0.8574		2.10	2.00	4.9	30.0
13C8 FOSA	Ave	0.7883	0.7844		1.99	2.00	-0.5	30.0
13C2 PFTeDA	Ave	0.6046	0.6568		2.17	2.00	8.6	30.0
d7-N-MeFOSE-M	Ave	0.0451	0.0437		4.84	5.00	-3.2	30.0
d3-NMePFOSA	Ave	0.2369	0.2322		1.96	2.00	-2.0	30.0
d9-N-EtFOSE-M	Ave	0.0629	0.0572		4.55	5.00	-9.0	30.0
d5-NEtPFOSA	Ave	0.3104	0.3038		1.96	2.00	-2.1	30.0



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30569\20250722-154214.b\25JUL22CAL-11.d
Lims ID: WDM
Client ID:
Sample Type: WDM
Inject. Date: 22-Jul-2025 17:04:04 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: WDM
Misc. Info.: Plate: 1 Rack: 1 410-0154214-011
Operator ID: ETUS023_USR_INS00004 Instrument ID: 30569

Method: \\chromfs\Lancaster\ChromData\30569\20250722-154214.b\30569-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 22-Jul-2025 22:04:40 Calib Date: 22-Jul-2025 16:23:19
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30569\20250722-154214.b\25JUL22CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1722

First Level Reviewer: XBL5 Date: 22-Jul-2025 21:00:48
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
13 TUDCA										a
498.20 > 80.00	5.104	5.104	0.0	1.000	5091170	5091170			925	a
23 TCDCA										a
498.10 > 80.00	5.533	5.533	0.0	1.000	4315284	4315284			1039	a
26 TDCA										
498.00 > 80.00	5.652	5.652	0.0	1.000	2894972	2894972			15.9	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

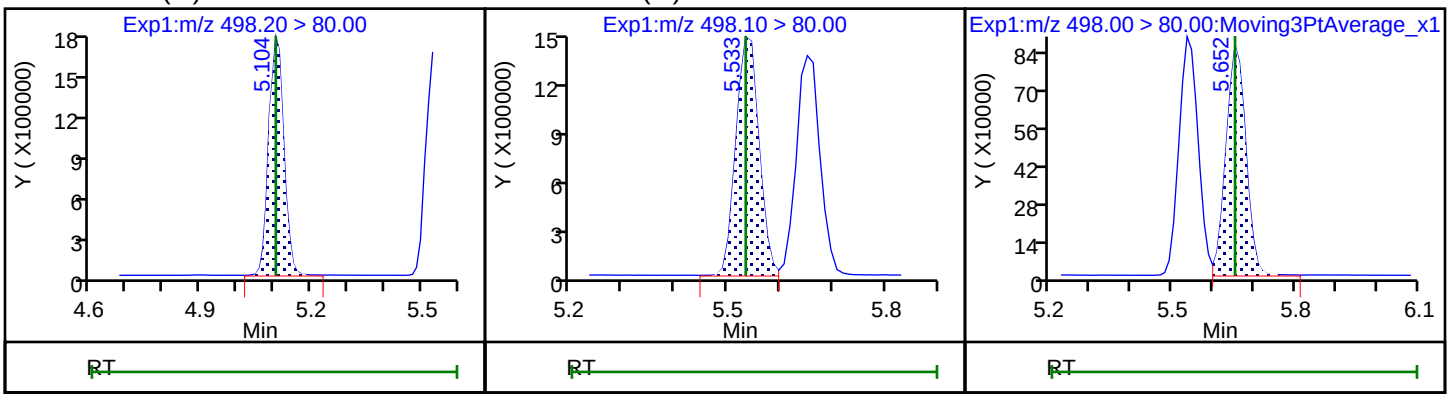
1633_125_WDM_00013 Amount Added: 1.00 Units: mL

Report Date: 22-Jul-2025 22:04:40 Chrom Revision: 2.3 21-Jul-2025 14:07:10

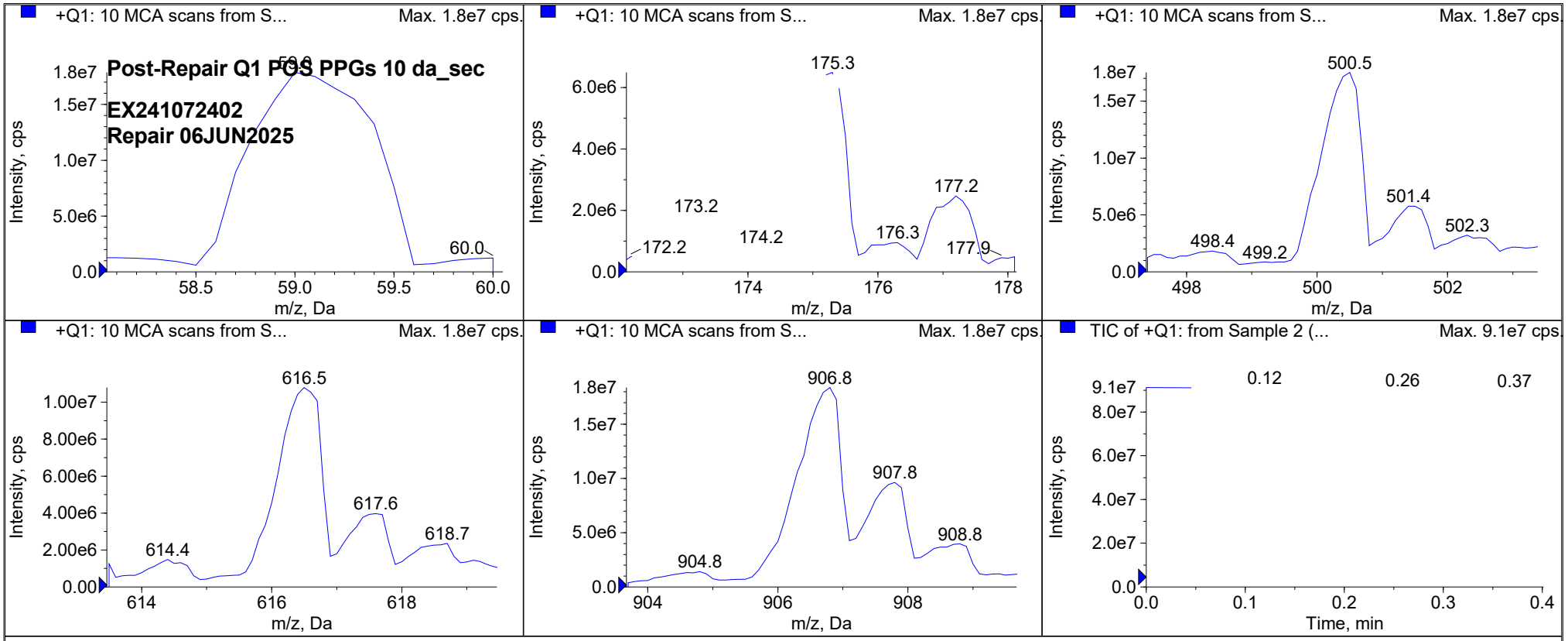
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\30569\20250722-154214.b\25JUL22CAL-11.d				
Injection Date:	22-Jul-2025 17:04:04	Instrument ID:	30569		
Lims ID:	WDM				
Client ID:					
Operator ID:	ETUS023_USR_INS00004	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	30569-1633-125ml	Limit Group:	LC - 1633 LVI- ICAL		

13 TUDCA (M) 23 TCDCA (M) 26 TDCA



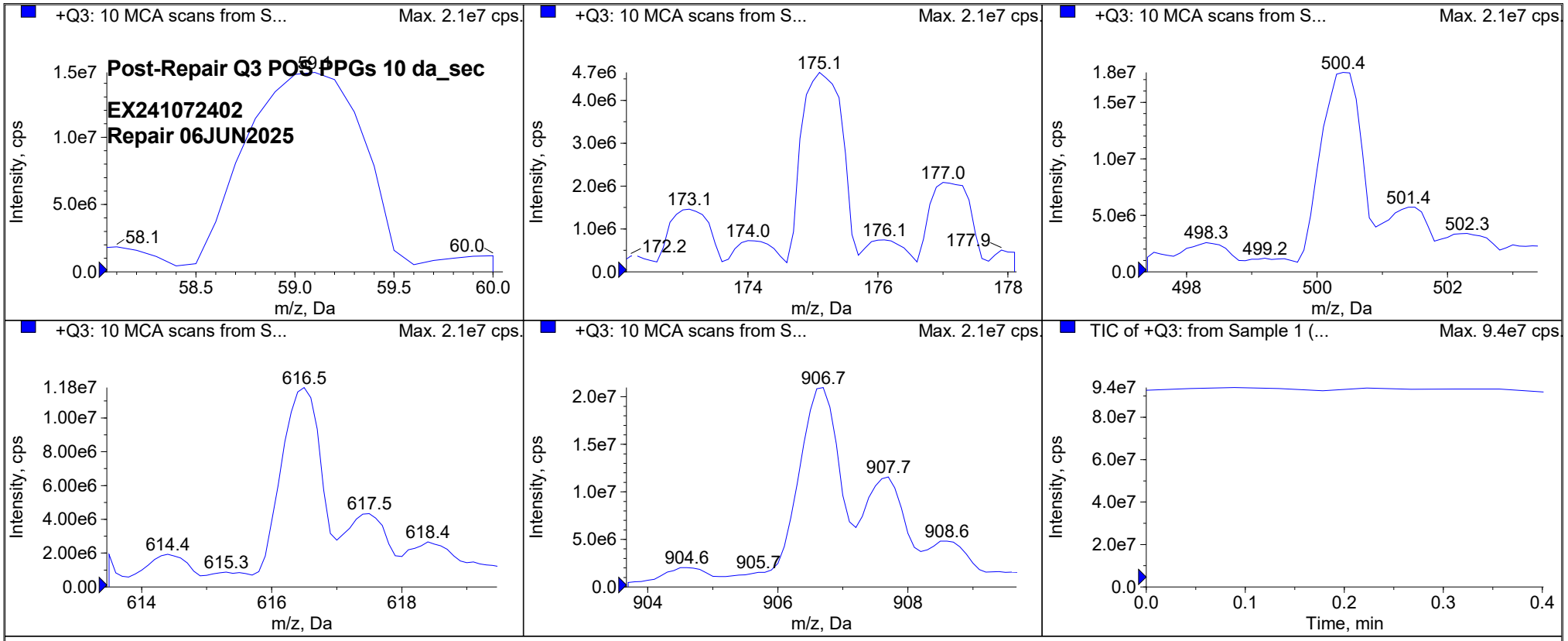
PFOS expt RT=7.142 min
> 1 min from bile salts



Peak List for " +Q1: 10 MCA scans from Sample 2 (Post-Repair Q1 POS PPGs 10 da_sec) of Post-Repair Q1 POS PPGs 10 da_sec.wiff (Turbo Spray)"

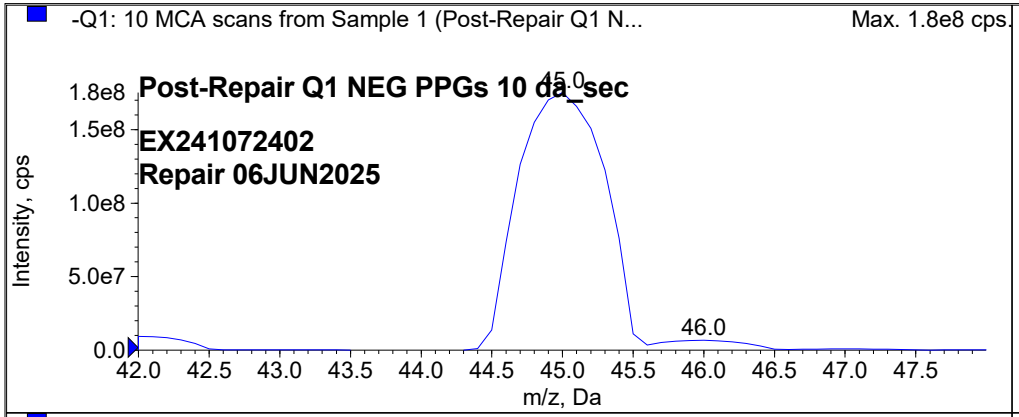
	Target Mass (Da)	Found At (Da)	Intensity (cps)	Width (Da)	Mass Shift (Da)
1	59.0500	59.1009	1.7870e7	0.7763	-0.0509
2	175.1330	175.1730	6.4930e6	0.7618	-0.0400
3	500.3800	500.4062	1.7522e7	0.7090	-0.0262
4	616.4640	616.4625	1.0791e7	0.7459	1.4608e-3
5	906.6730	906.6813	1.8384e7	0.7603	-8.2927e-3
6	1254.9250	n/a	n/a	n/a	n/a
7	1545.1340	n/a	n/a	n/a	n/a
8	1952.4270	n/a	n/a	n/a	n/a

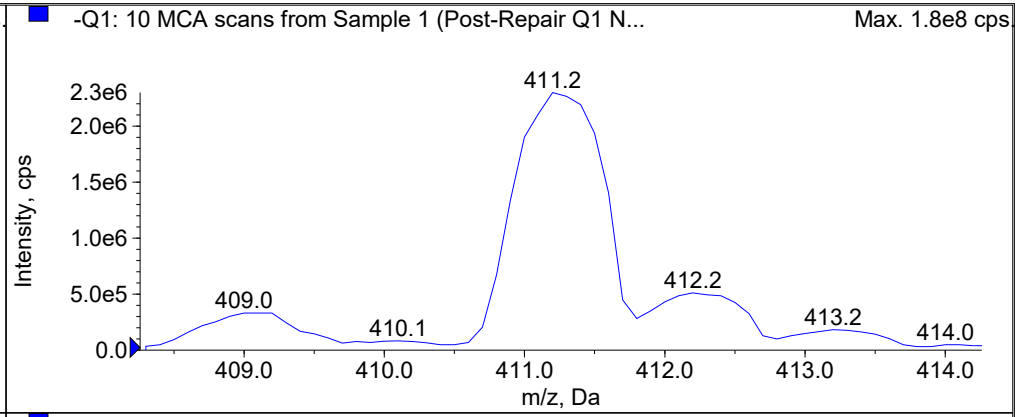
<0.2 Da

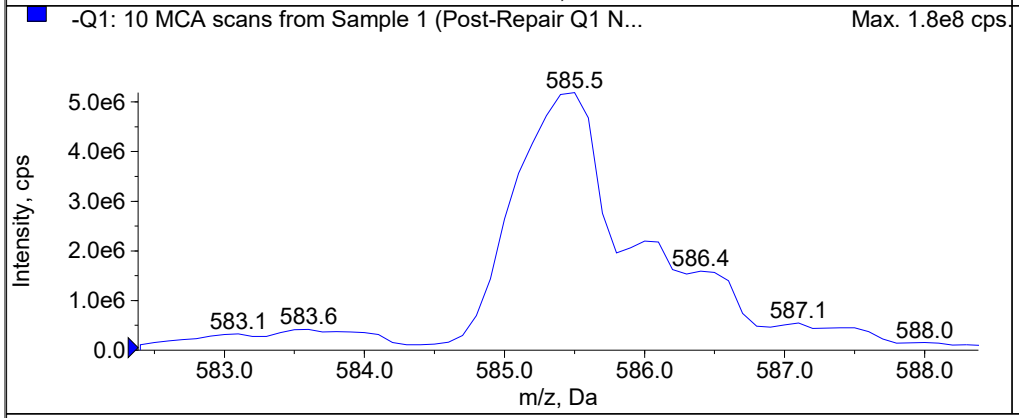


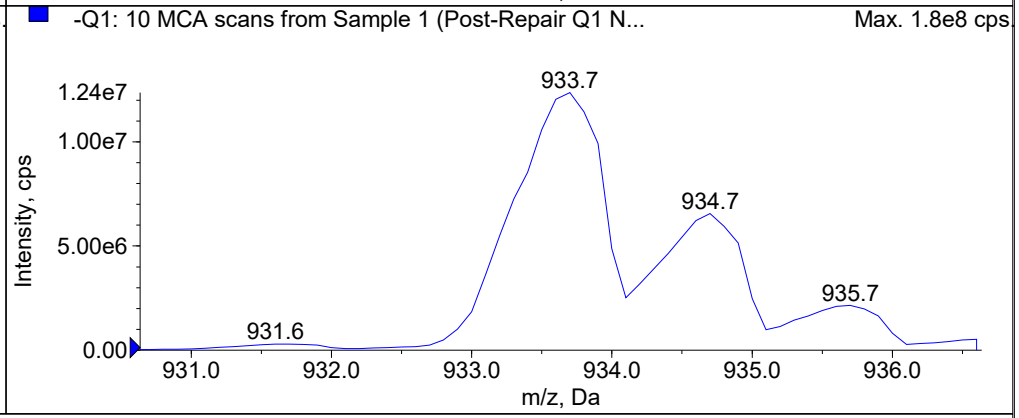
Peak List for " +Q3: 10 MCA scans from Sample 1 (Post-Repair Q3 POS PPGs 10 da_sec) of Post-Repair Q3 POS PPGs 10 da_sec.wiff (Turbo Spray)"

	Target Mass (Da)	Found At (Da)	Intensity (cps)	Width (Da)	Mass Shift (Da)
1	59.0500	59.0549	1.4815e7	0.7224	-4.8863e-3
2	175.1330	175.1384	4.6501e6	0.7590	-5.3830e-3
3	500.3800	500.3829	1.7640e7	0.7353	-2.8846e-3
4	616.4640	616.4606	1.1791e7	0.7005	3.3675e-3
5	906.6730	906.6479	2.0967e7	0.6946	0.0251
6	1254.9250	n/a	n/a	n/a	n/a
7	1545.1340	n/a	n/a	n/a	n/a
8	1952.4270	n/a	n/a	n/a	n/a



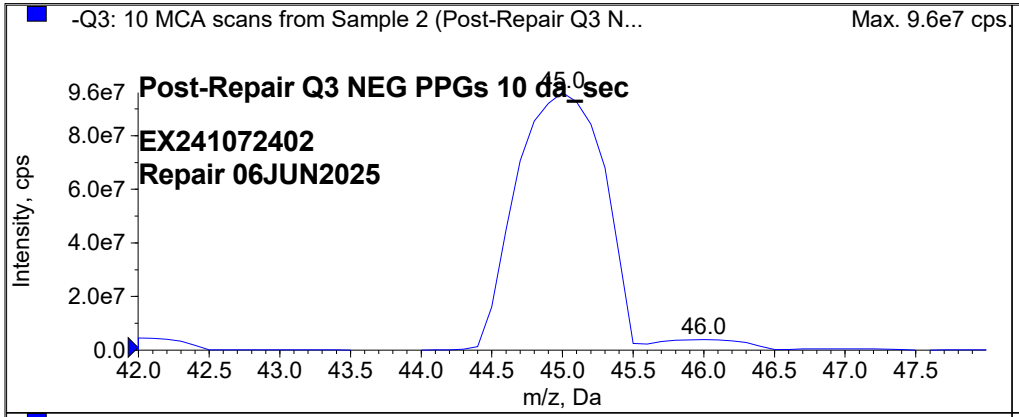


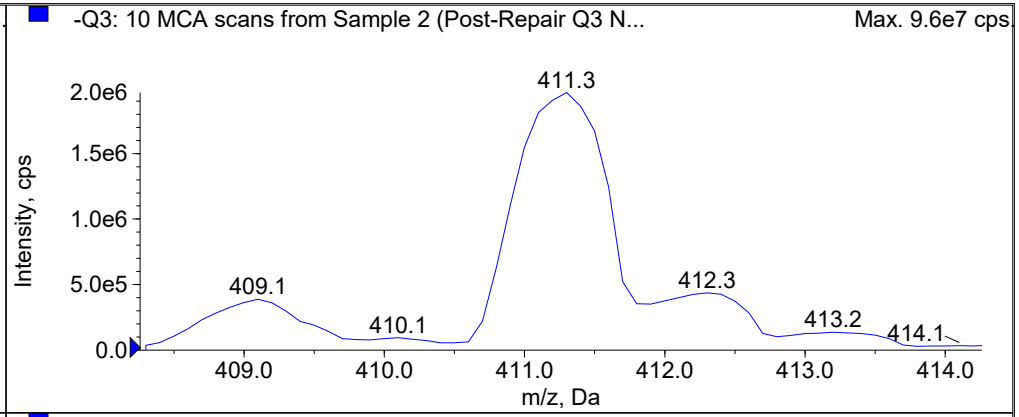


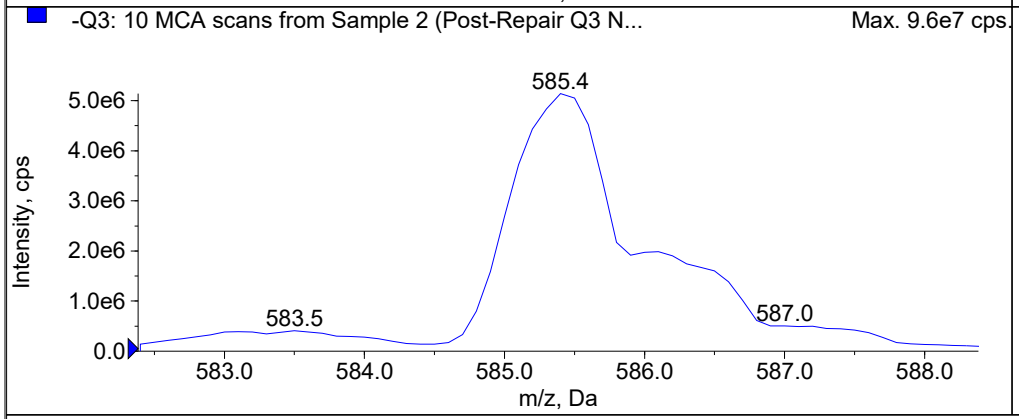


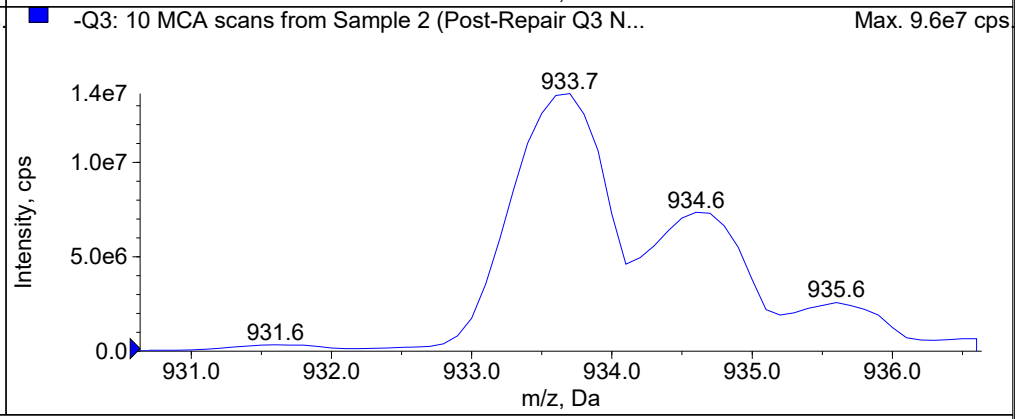
Peak List for " -Q1: 10 MCA scans from Sample 1 (Post-Repair Q1 NEG PPGs 10 da_sec) of Post-Repair Q1 NEG PPGs 10 da_sec.wiff (Turbo Spray)"

	Target Mass (Da)	Found At (Da)	Intensity (cps)	Width (Da)	Mass Shift (Da)
1	44.9980	44.9947	1.7521e8	0.7488	3.2868e-3
2	411.2590	411.2566	2.2984e6	0.7547	2.3839e-3
3	585.3850	585.3907	5.1865e6	0.7248	-5.7327e-3
4	933.6360	933.6538	1.2359e7	0.7360	-0.0178
5	1572.0970	n/a	n/a	n/a	n/a
6	1863.3060	n/a	n/a	n/a	n/a
7	1979.3890	n/a	n/a	n/a	n/a









Peak List for " -Q3: 10 MCA scans from Sample 2 (Post-Repair Q3 NEG PPGs 10 da_sec) of Post-Repair Q3 NEG PPGs 10 da_sec.wiff (Turbo Spray)"

	Target Mass (Da)	Found At (Da)	Intensity (cps)	Width (Da)	Mass Shift (Da)
1	44.9980	44.9962	9.6101e7	0.7497	1.7628e-3
2	411.2590	411.2670	1.9654e6	0.7628	-8.0357e-3
3	585.3850	585.3923	5.1391e6	0.7785	-7.3444e-3
4	933.6360	933.6339	1.3634e7	0.7846	2.0753e-3
5	1572.0970	n/a	n/a	n/a	n/a
6	1863.3060	n/a	n/a	n/a	n/a
7	1979.3890	n/a	n/a	n/a	n/a

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30569\20250724-154474.b\25JUL24-04.d
Lims ID: WDM
Client ID:
Sample Type: WDM
Inject. Date: 24-Jul-2025 16:16:44 ALS Bottle#: 11 Worklist Smp#: 4
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: WDM
Misc. Info.: Plate: 1 Rack: 1 410-0154474-004
Operator ID: ETUS023_USR_INS00004 Instrument ID: 30569

Method: \\chromfs\Lancaster\ChromData\30569\20250724-154474.b\30569-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 24-Jul-2025 19:18:47 Calib Date: 22-Jul-2025 16:23:19
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30569\20250722-154214.b\25JUL22CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1621

First Level Reviewer: XBL5 Date: 24-Jul-2025 17:09:39
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
13 TUDCA 498.20 > 80.00	5.018	5.018	0.0	1.000	5774829	5774829			936	
23 TCDCA 498.10 > 80.00	5.456	5.456	0.0	1.000	4670473	4670473			1086	
26 TDCA 498.00 > 80.00	5.575	5.575	0.0	1.000	3346830	3346830			19.5	

QC Flag Legend

Processing Flags

Reagents:

1633_125_WDM_00013 Amount Added: 1.00 Units: mL

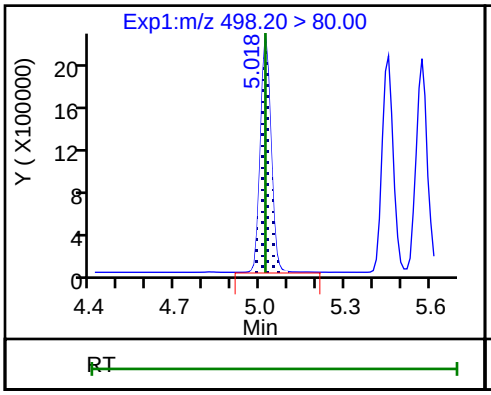
PFOS > 1 min from bile salts

Report Date: 24-Jul-2025 19:18:47 Chrom Revision: 2.3 21-Jul-2025 14:07:10

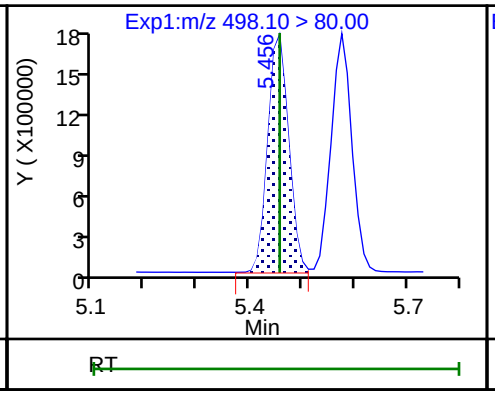
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\30569\20250724-154474.b\25JUL24-04.d				
Injection Date:	24-Jul-2025 16:16:44	Instrument ID:	30569		
Lims ID:	WDM				
Client ID:					
Operator ID:	ETUS023_USR_INS00004	ALS Bottle#:	11	Worklist Smp#:	4
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	30569-1633-125ml	Limit Group:	LC - 1633 LVI- ICAL		

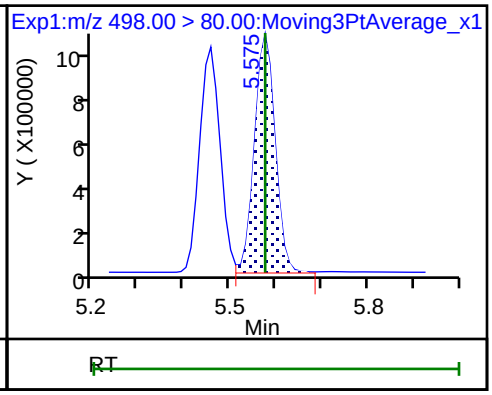
13 TUDCA



23 TCDCA



26 TDCA



7/25/2025
1:07:07 PM

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30571\20250714-153400.b\25Jul14-911.d
Lims ID: WDM
Client ID:
Sample Type: WDM
Inject. Date: 14-Jul-2025 16:35:10 ALS Bottle#: 12 Worklist Smp#: 11
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: WDM
Misc. Info.: Plate: 1 Rack: 1 410-0152646-011
Operator ID: ETUS023_USR_INS00002 Instrument ID: 30571

Method: \\chromfs\Lancaster\ChromData\30571\20250714-153400.b\30571-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 14-Jul-2025 18:39:46 Calib Date: 14-Jul-2025 16:07:59
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30571\20250714-153400.b\25Jul14-909.d

Column 1 : Det: EXP1
Process Host: CTX1678

First Level Reviewer: LDU5 Date: 14-Jul-2025 17:05:34
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
13 TUDCA 498.20 > 80.00	3.707	3.707	0.0	1.000	6152277	6152277			12.4	
23 TCDCA 498.10 > 80.00	4.216	4.216	0.0	1.000	6078985	6078985			31.6	
25 TDCA 498.00 > 80.00	4.354	4.354	0.0	1.000	6041020	6041020			32.6	

QC Flag Legend

Processing Flags

Reagents:

1633_125_WDM_00013 Amount Added: 1.00 Units: mL

Report Date: 14-Jul-2025 18:39:46 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30571\20250714-153400.b\25Jul14-911.d

Injection Date: 14-Jul-2025 16:35:10 Instrument ID: 30571

Lims ID: WDM

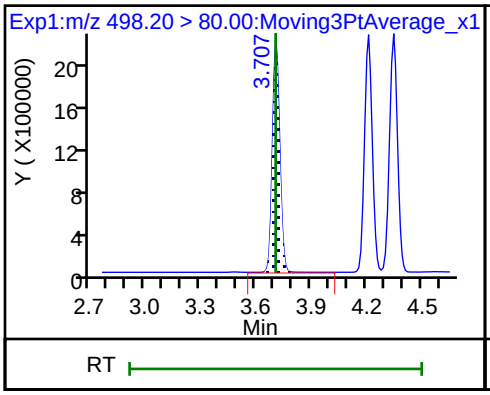
Client ID:

Operator ID: ETUS023_USR_INS00002 ALS Bottle#: 12 Worklist Smp#: 11

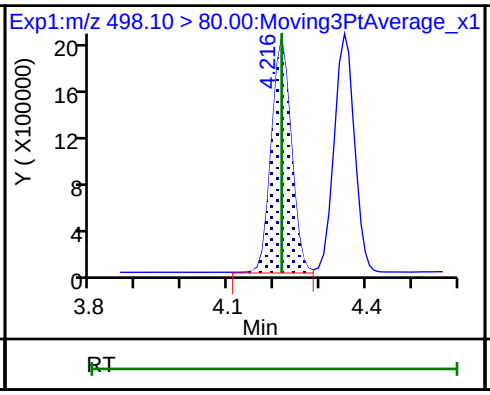
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30571-1633-125ml Limit Group: LC - 1633 LVI- ICAL

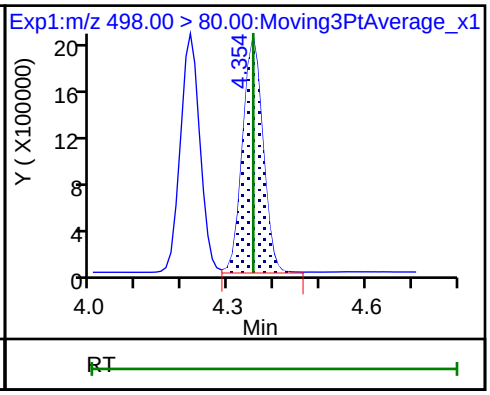
13 TUDCA

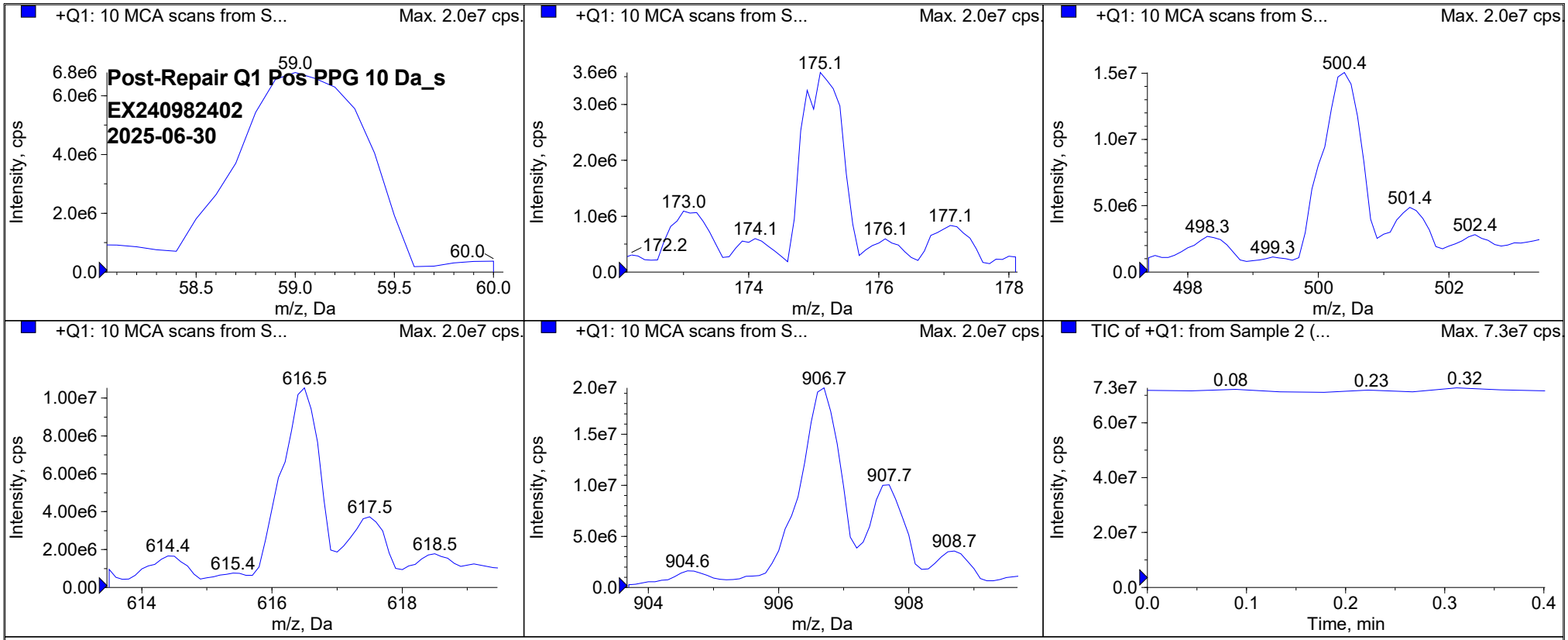


23 TCDCA



25 TDCA

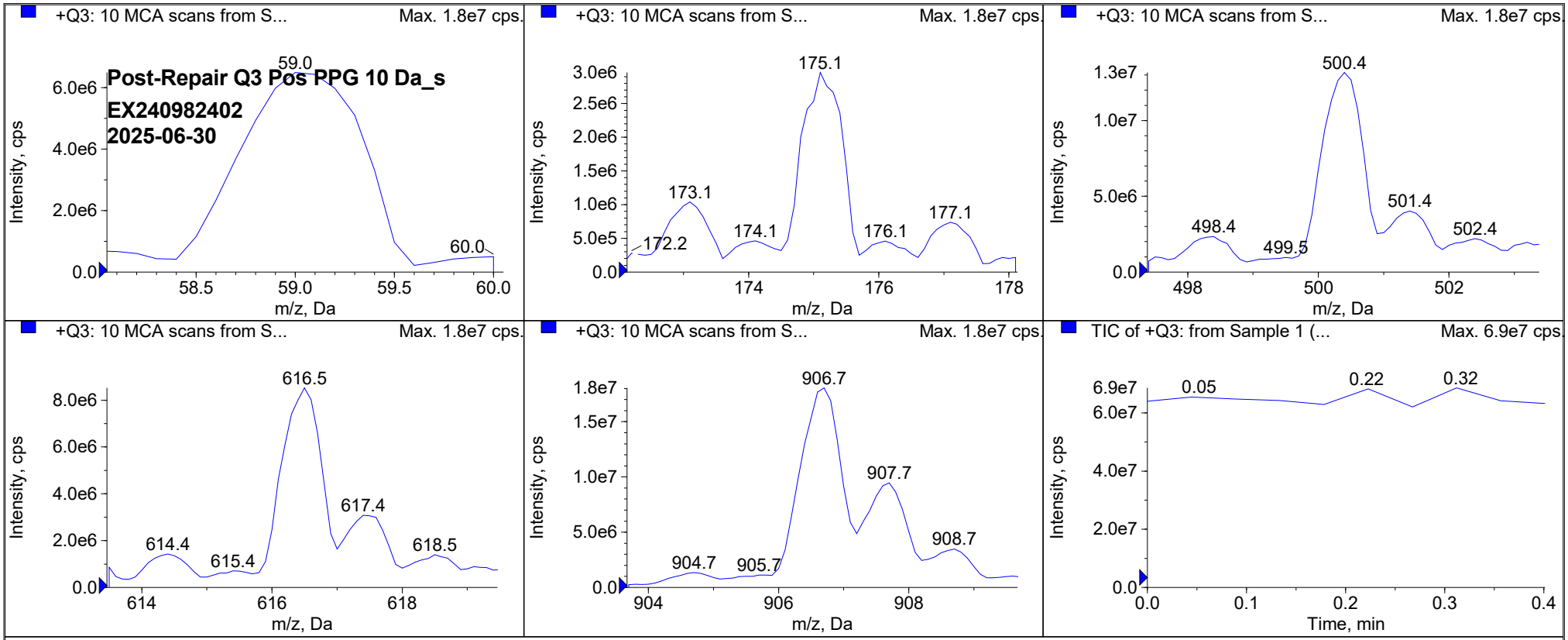




Peak List for " +Q1: 10 MCA scans from Sample 2 (Post-Repair Q1 Pos PPG 10 Da_s) of Post-Repair Q1 Pos PPG 10 Da_s.wiff (Turbo Spray)"

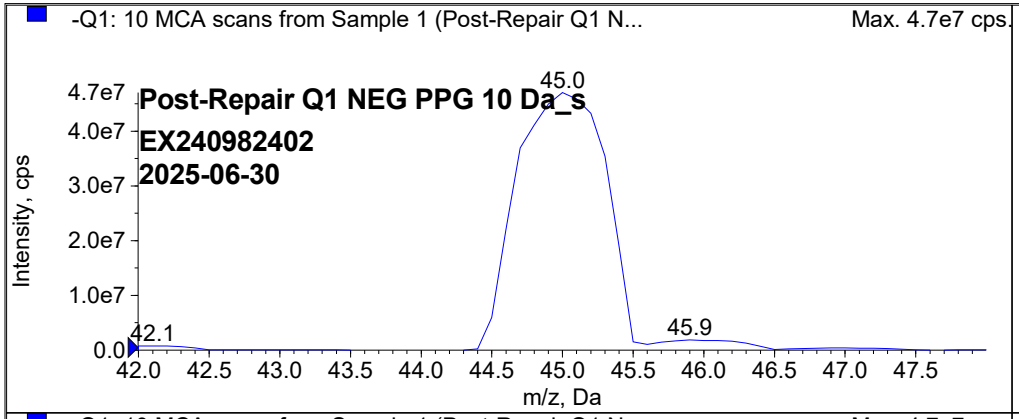
	Target Mass (Da)	Found At (Da)	Intensity (cps)	Width (Da)	Mass Shift (Da)
1	59.0500	59.0559	6.7897e6	0.7592	-5.9183e-3
2	175.1330	175.1201	3.5724e6	0.7445	0.0129
3	500.3800	500.3782	1.5051e7	0.7474	1.8112e-3
4	616.4640	616.4621	1.0534e7	0.7109	1.8520e-3
5	906.6730	906.6671	1.9529e7	0.6752	5.8905e-3
6	1254.9250	n/a	n/a	n/a	n/a
7	1545.1340	n/a	n/a	n/a	n/a
8	1952.4270	n/a	n/a	n/a	n/a

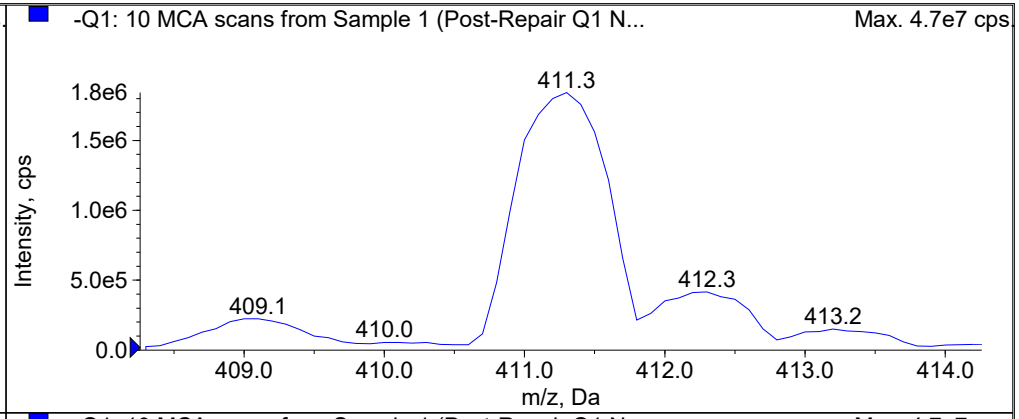
< 0.2 Da

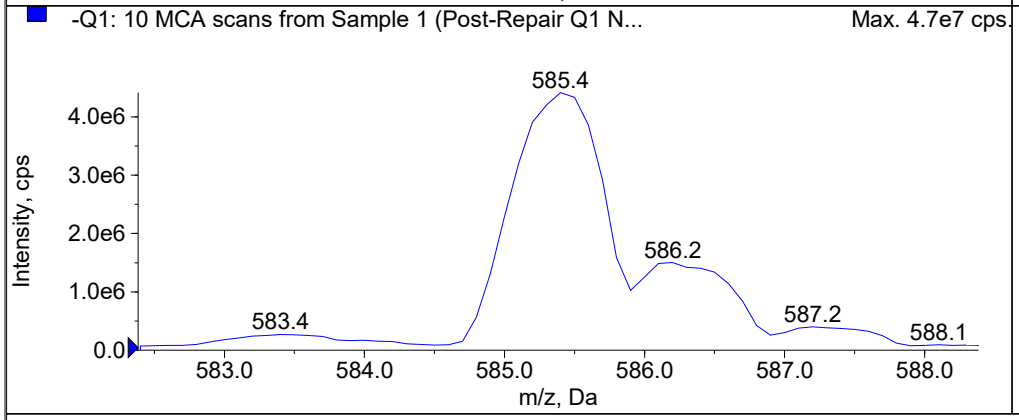


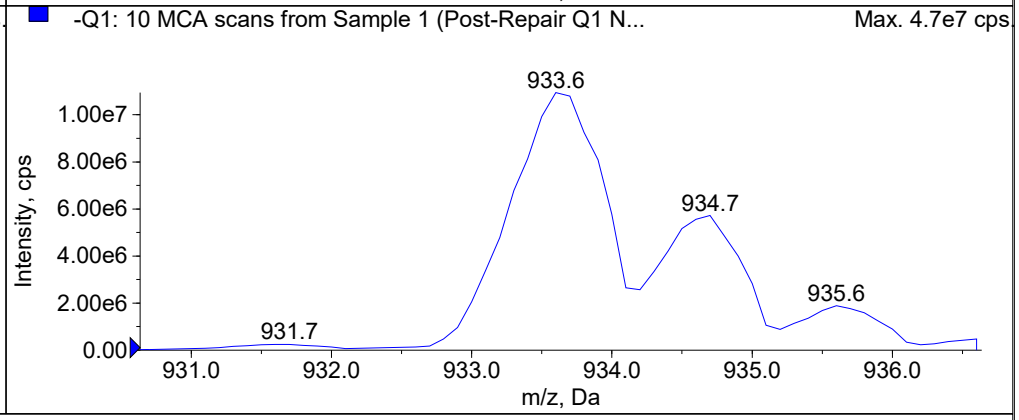
Peak List for " +Q3: 10 MCA scans from Sample 1 (Post-Repair Q3 Pos PPG 10 Da_s) of Post-Repair Q3 Pos PPG 10 Da_s.wiff (Turbo Spray)"

	Target Mass (Da)	Found At (Da)	Intensity (cps)	Width (Da)	Mass Shift (Da)
1	59.0500	59.0442	6.4942e6	0.7358	5.7818e-3
2	175.1330	175.1282	2.9606e6	0.7595	4.8348e-3
3	500.3800	500.3782	1.3166e7	0.7387	1.8009e-3
4	616.4640	616.4591	8.5223e6	0.7279	4.9087e-3
5	906.6730	906.6529	1.8053e7	0.7277	0.0201
6	1254.9250	n/a	n/a	n/a	n/a
7	1545.1340	n/a	n/a	n/a	n/a
8	1952.4270	n/a	n/a	n/a	n/a



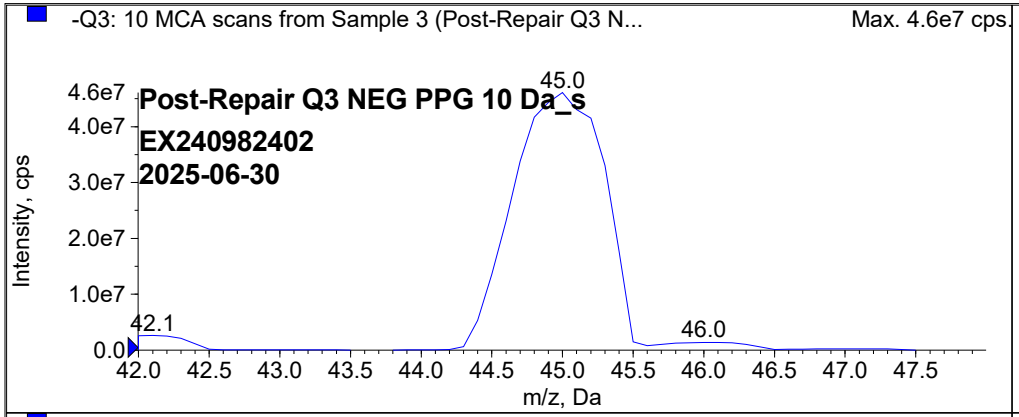


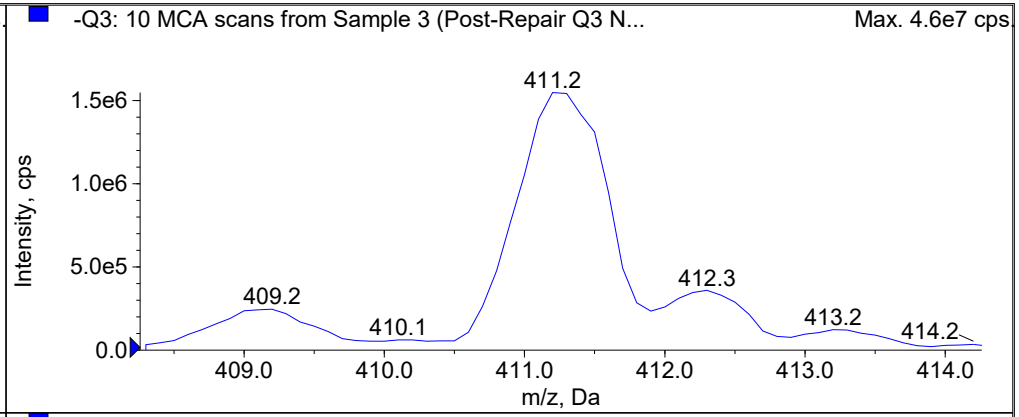


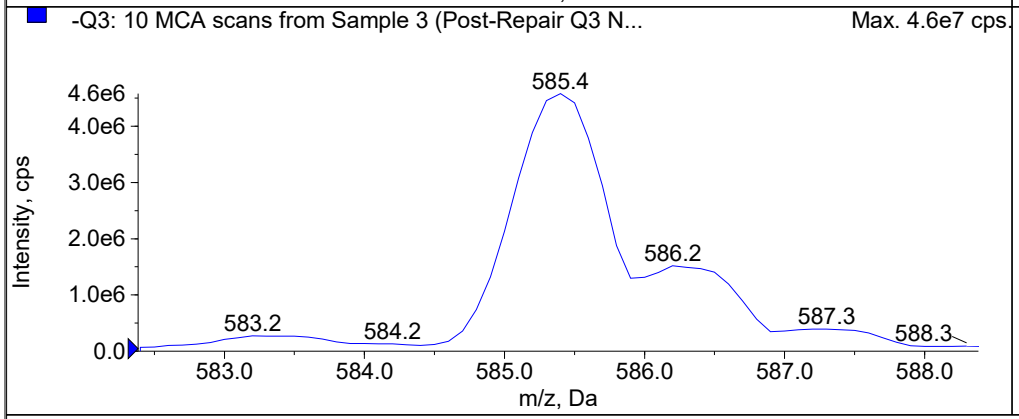


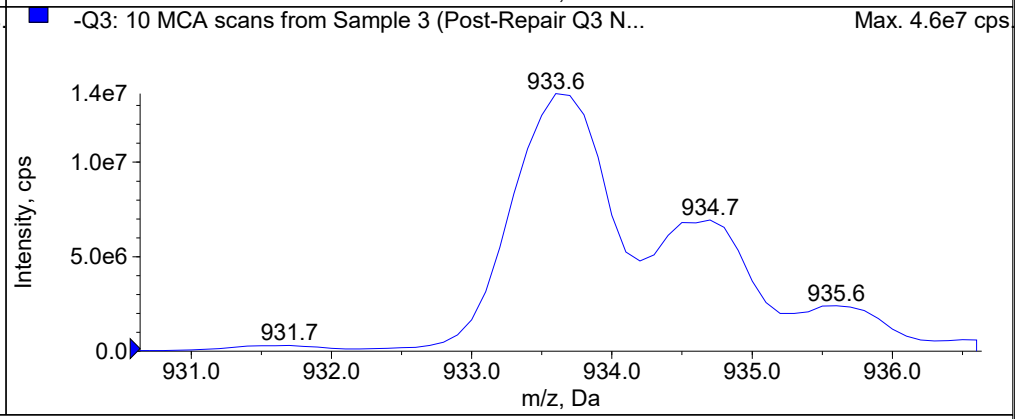
Peak List for " -Q1: 10 MCA scans from Sample 1 (Post-Repair Q1 NEG PPG 10 Da_s) of Post-Repair Q1 NEG PPG 10 Da_s.wiff (Turbo Spray)"

	Target Mass (Da)	Found At (Da)	Intensity (cps)	Width (Da)	Mass Shift (Da)
1	44.9980	45.0006	4.7052e7	0.7632	-2.6383e-3
2	411.2590	411.2699	1.8422e6	0.7692	-0.0109
3	585.3850	585.3903	4.4144e6	0.7621	-5.3197e-3
4	933.6360	933.6318	1.0939e7	0.7756	4.1773e-3
5	1572.0970	n/a	n/a	n/a	n/a
6	1863.3060	n/a	n/a	n/a	n/a
7	1979.3890	n/a	n/a	n/a	n/a









Peak List for " -Q3: 10 MCA scans from Sample 3 (Post-Repair Q3 NEG PPG 10 Da_s) of Post-Repair Q3 NEG PPG 10 Da_s.wiff (Turbo Spray)"

	Target Mass (Da)	Found At (Da)	Intensity (cps)	Width (Da)	Mass Shift (Da)
1	44.9980	44.9964	4.6098e7	0.7663	1.5556e-3
2	411.2590	411.2839	1.5482e6	0.7354	-0.0249
3	585.3850	585.3942	4.5795e6	0.7448	-9.2058e-3
4	933.6360	933.6353	1.3626e7	0.7732	7.3057e-4
5	1572.0970	n/a	n/a	n/a	n/a
6	1863.3060	n/a	n/a	n/a	n/a
7	1979.3890	n/a	n/a	n/a	n/a

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30571\20250715-153446.b\25Jul15-513.d
Lims ID: WDM
Client ID:
Sample Type: WDM
Inject. Date: 15-Jul-2025 08:40:30 ALS Bottle#: 12 Worklist Smp#: 4
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: WDM
Misc. Info.: Plate: 1 Rack: 1
Operator ID: P7EB Instrument ID: 30571

Method: \\chromfs\Lancaster\ChromData\30571\20250715-153446.b\30571-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 15-Jul-2025 14:51:56 Calib Date: 14-Jul-2025 16:07:59
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30571\20250714-153400.b\25Jul14-909.d

Column 1 : Det: EXP1
Process Host: CTX1727

First Level Reviewer: P7EB Date: 15-Jul-2025 11:26:23
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
13 TUDCA 498.20 > 80.00	3.708	3.708	0.0	1.000	5844157	5844157			14.7	
23 TCDCA 498.10 > 80.00	4.220	4.220	0.0	1.000	5728781	5728781			33.6	
25 TDCA 498.00 > 80.00	4.357	4.357	0.0	1.000	5738827	5738827			33.6	

QC Flag Legend

Processing Flags

Reagents:

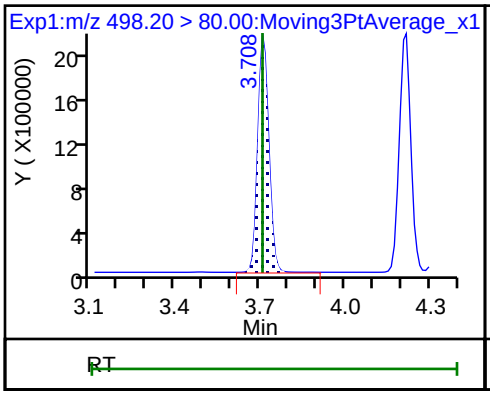
1633_125_WDM_00013 Amount Added: 1.00 Units: mL

Report Date: 15-Jul-2025 14:51:57 Chrom Revision: 2.3 14-Jul-2025 13:55:14

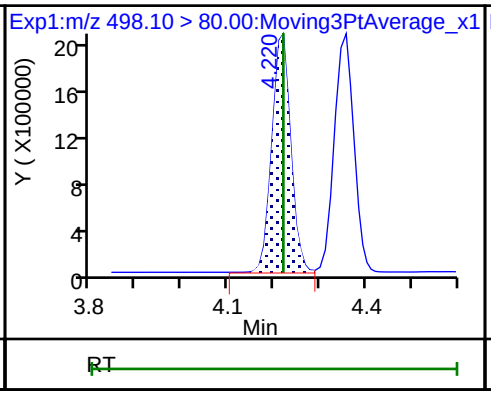
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\30571\20250715-153446.b\25Jul15-513.d				
Injection Date:	15-Jul-2025 08:40:30	Instrument ID:	30571		
Lims ID:	WDM				
Client ID:					
Operator ID:	P7EB	ALS Bottle#:	12	Worklist Smp#:	4
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	30571-1633-125ml	Limit Group:	LC - 1633 LVI- ICAL		

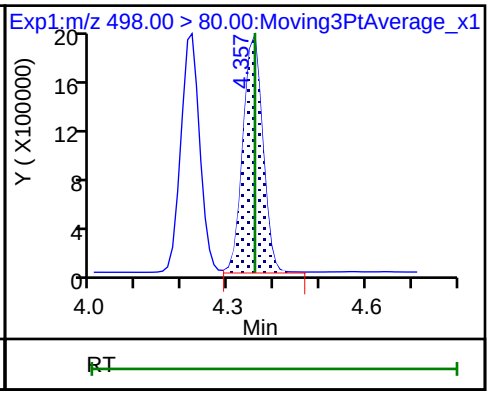
13 TUDCA



23 TCDCA



25 TDCA



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30571\20250718-153904.b\25Jul18-910.d
Lims ID: WDM
Client ID:
Sample Type: WDM
Inject. Date: 18-Jul-2025 15:21:09 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: WDM
Misc. Info.: Plate: 1 Rack: 1 410-0153904-011
Operator ID: ETUS023_USR_INS00002 Instrument ID: 30571

Method: \\chromfs\Lancaster\ChromData\30571\20250718-153904.b\30571-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 18-Jul-2025 19:04:24 Calib Date: 18-Jul-2025 17:37:16
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30571\20250718-153904.b\25Jul18-919.d

Column 1 : Det: EXP1
Process Host: CTX1720

First Level Reviewer: LDU5 Date: 18-Jul-2025 16:09:22
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
13 TUDCA 498.20 > 80.00	3.755	3.755	0.0	1.000	2483498	2483498			11.5	
23 TCDCA 498.10 > 80.00	4.268	4.268	0.0	1.000	2599588	2599588			29.6	
25 TDCA 498.00 > 80.00	4.412	4.412	0.0	1.000	2649256	2649256			32.3	

QC Flag Legend

Processing Flags

Reagents:

1633_125_WDM_00013 Amount Added: 1.00 Units: mL

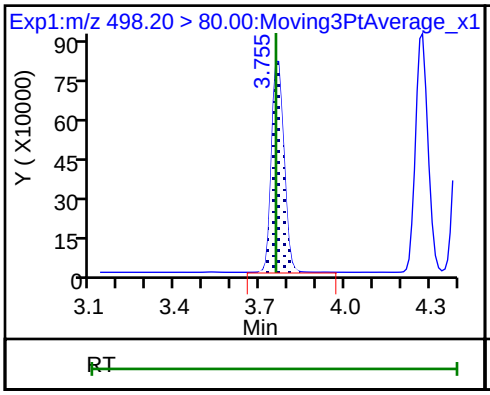
PFOS > 1 min from bile salts

Report Date: 18-Jul-2025 19:04:24 Chrom Revision: 2.3 17-Jul-2025 12:11:26

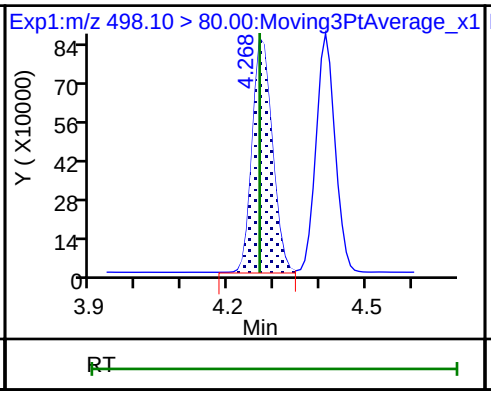
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\30571\20250718-153904.b\25Jul18-910.d				
Injection Date:	18-Jul-2025 15:21:09	Instrument ID:	30571		
Lims ID:	WDM				
Client ID:					
Operator ID:	ETUS023_USR_INS00002	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	30571-1633-125ml	Limit Group:	LC - 1633 LVI- ICAL		

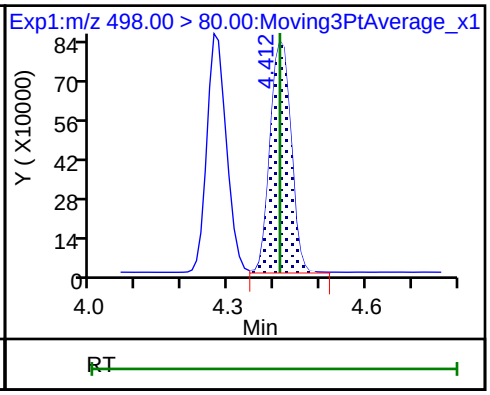
13 TUDCA

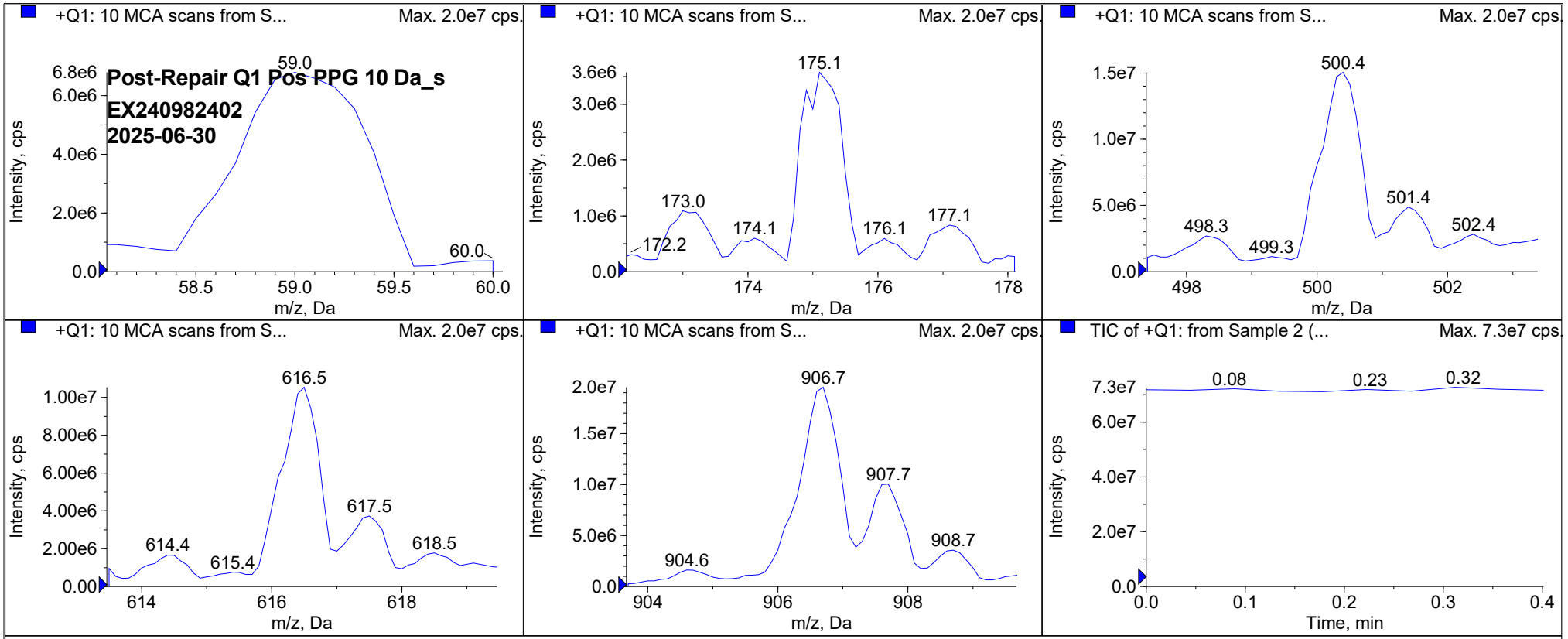


23 TCDCA



25 TDCA

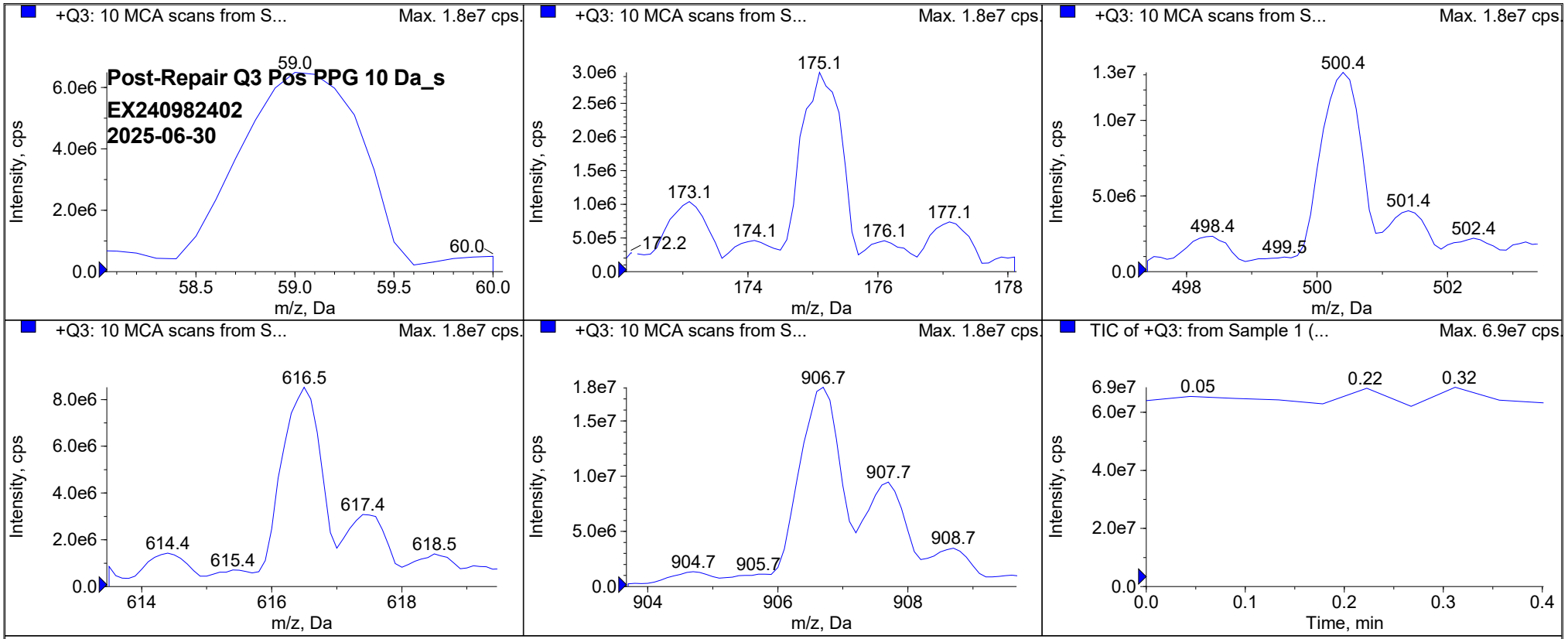




Peak List for " +Q1: 10 MCA scans from Sample 2 (Post-Repair Q1 Pos PPG 10 Da_s) of Post-Repair Q1 Pos PPG 10 Da_s.wiff (Turbo Spray)"

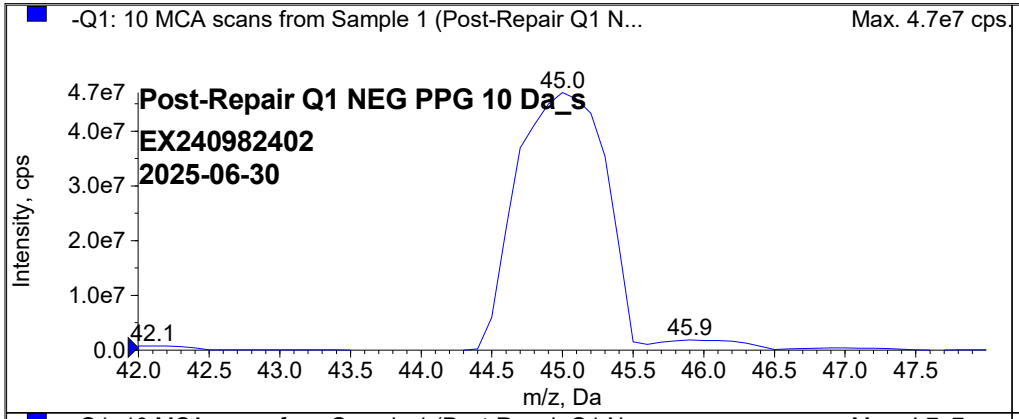
	Target Mass (Da)	Found At (Da)	Intensity (cps)	Width (Da)	Mass Shift (Da)
1	59.0500	59.0559	6.7897e6	0.7592	-5.9183e-3
2	175.1330	175.1201	3.5724e6	0.7445	0.0129
3	500.3800	500.3782	1.5051e7	0.7474	1.8112e-3
4	616.4640	616.4621	1.0534e7	0.7109	1.8520e-3
5	906.6730	906.6671	1.9529e7	0.6752	5.8905e-3
6	1254.9250	n/a	n/a	n/a	n/a
7	1545.1340	n/a	n/a	n/a	n/a
8	1952.4270	n/a	n/a	n/a	n/a

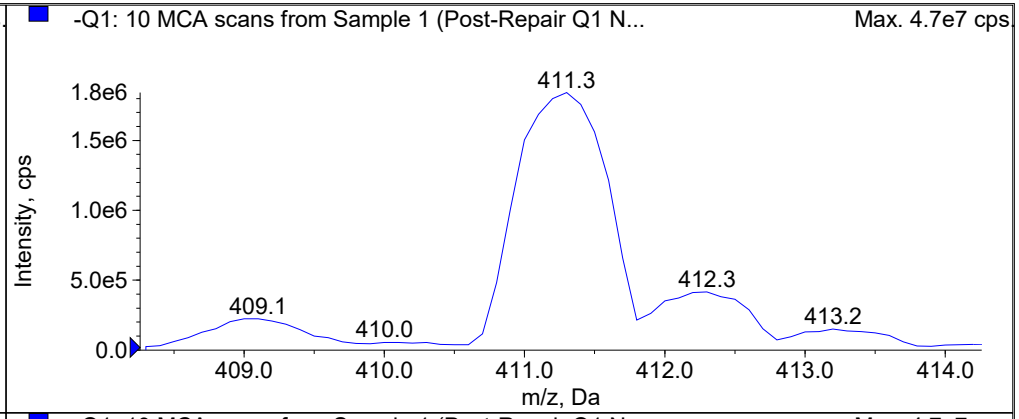
< 0.2 Da

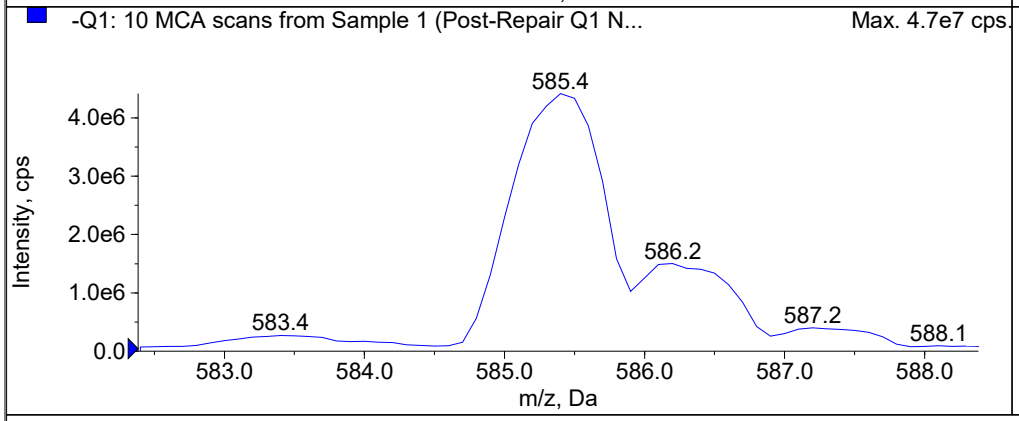


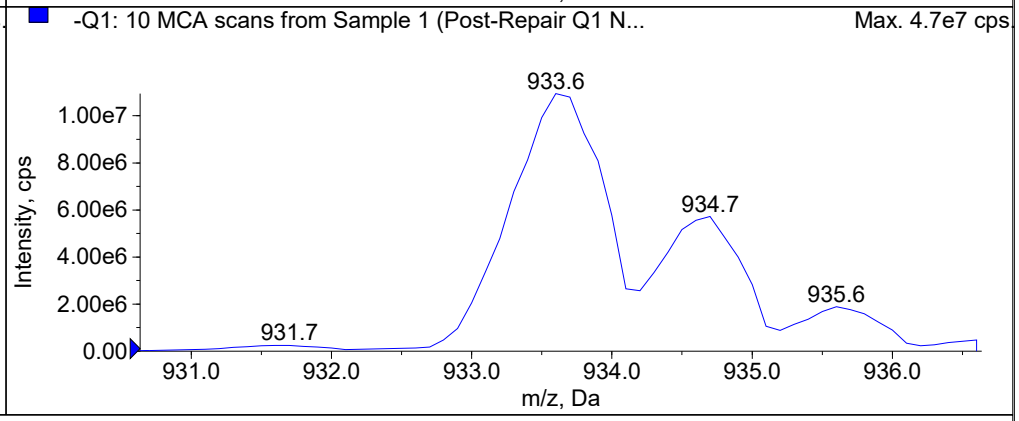
Peak List for " +Q3: 10 MCA scans from Sample 1 (Post-Repair Q3 Pos PPG 10 Da_s) of Post-Repair Q3 Pos PPG 10 Da_s.wiff (Turbo Spray)"

	Target Mass (Da)	Found At (Da)	Intensity (cps)	Width (Da)	Mass Shift (Da)
1	59.0500	59.0442	6.4942e6	0.7358	5.7818e-3
2	175.1330	175.1282	2.9606e6	0.7595	4.8348e-3
3	500.3800	500.3782	1.3166e7	0.7387	1.8009e-3
4	616.4640	616.4591	8.5223e6	0.7279	4.9087e-3
5	906.6730	906.6529	1.8053e7	0.7277	0.0201
6	1254.9250	n/a	n/a	n/a	n/a
7	1545.1340	n/a	n/a	n/a	n/a
8	1952.4270	n/a	n/a	n/a	n/a



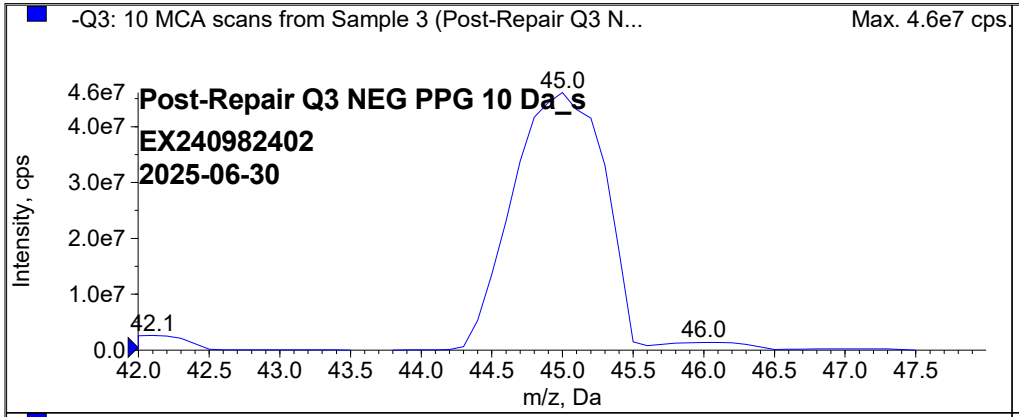


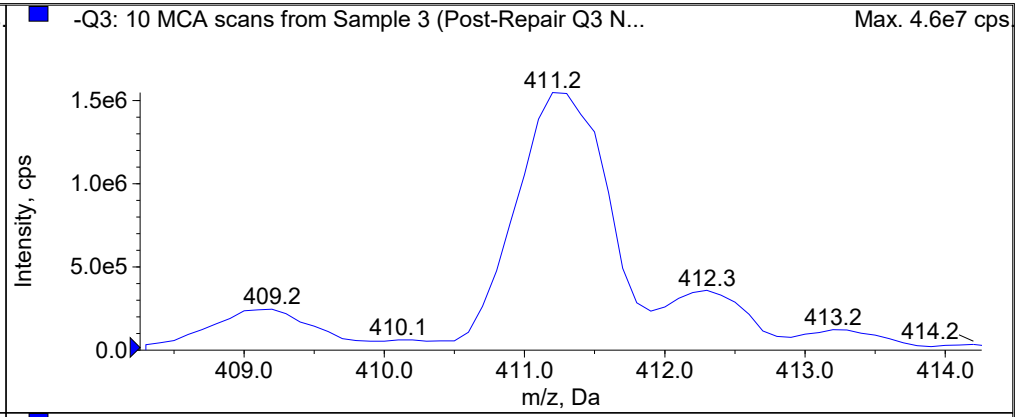


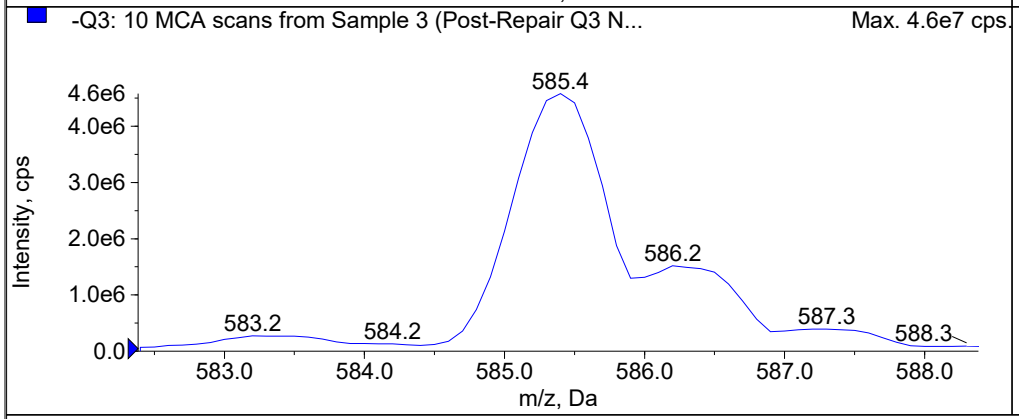


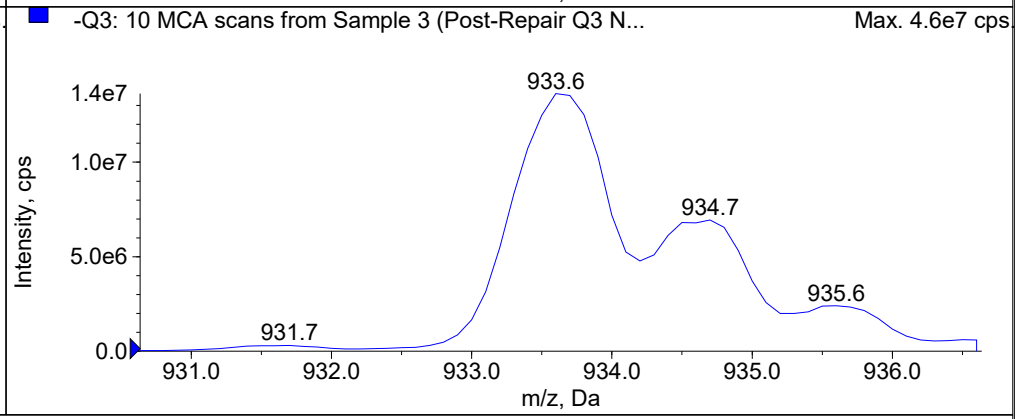
Peak List for " -Q1: 10 MCA scans from Sample 1 (Post-Repair Q1 NEG PPG 10 Da_s) of Post-Repair Q1 NEG PPG 10 Da_s.wiff (Turbo Spray)"

	Target Mass (Da)	Found At (Da)	Intensity (cps)	Width (Da)	Mass Shift (Da)
1	44.9980	45.0006	4.7052e7	0.7632	-2.6383e-3
2	411.2590	411.2699	1.8422e6	0.7692	-0.0109
3	585.3850	585.3903	4.4144e6	0.7621	-5.3197e-3
4	933.6360	933.6318	1.0939e7	0.7756	4.1773e-3
5	1572.0970	n/a	n/a	n/a	n/a
6	1863.3060	n/a	n/a	n/a	n/a
7	1979.3890	n/a	n/a	n/a	n/a









Peak List for " -Q3: 10 MCA scans from Sample 3 (Post-Repair Q3 NEG PPG 10 Da_s) of Post-Repair Q3 NEG PPG 10 Da_s.wiff (Turbo Spray)"

	Target Mass (Da)	Found At (Da)	Intensity (cps)	Width (Da)	Mass Shift (Da)
1	44.9980	44.9964	4.6098e7	0.7663	1.5556e-3
2	411.2590	411.2839	1.5482e6	0.7354	-0.0249
3	585.3850	585.3942	4.5795e6	0.7448	-9.2058e-3
4	933.6360	933.6353	1.3626e7	0.7732	7.3057e-4
5	1572.0970	n/a	n/a	n/a	n/a
6	1863.3060	n/a	n/a	n/a	n/a
7	1979.3890	n/a	n/a	n/a	n/a

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30571\20250718-153961.b\25Jul18-924.d
Lims ID: WDM
Client ID:
Sample Type: WDM
Inject. Date: 18-Jul-2025 18:45:12 ALS Bottle#: 11 Worklist Smp#: 15
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: WDM
Misc. Info.: Plate: 1 Rack: 1 410-0153904-015
Operator ID: ETUS023_USR_INS00002 Instrument ID: 30571

Method: \\chromfs\Lancaster\ChromData\30571\20250718-153961.b\30571-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 18-Jul-2025 23:43:11 Calib Date: 18-Jul-2025 17:37:16
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30571\20250718-153904.b\25Jul18-919.d

Column 1 : Det: EXP1
Process Host: CTX1720

First Level Reviewer: LDU5 Date: 18-Jul-2025 20:20:10
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
13 TUDCA 498.20 > 80.00	3.773	3.773	0.0	1.000	1900479	1900479			13.2	
23 TCDCA 498.10 > 80.00	4.284	4.284	0.0	1.000	1849543	1849543			24.6	
25 TDCA 498.00 > 80.00	4.425	4.425	0.0	1.000	1870037	1870037			35.4	

QC Flag Legend

Processing Flags

Reagents:

1633_125_WDM_00013 Amount Added: 1.00 Units: mL

PFOS > 1 min from bile salts

Report Date: 18-Jul-2025 23:43:11 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30571\20250718-153961.b\25Jul18-924.d

Injection Date: 18-Jul-2025 18:45:12 Instrument ID: 30571

Lims ID: WDM

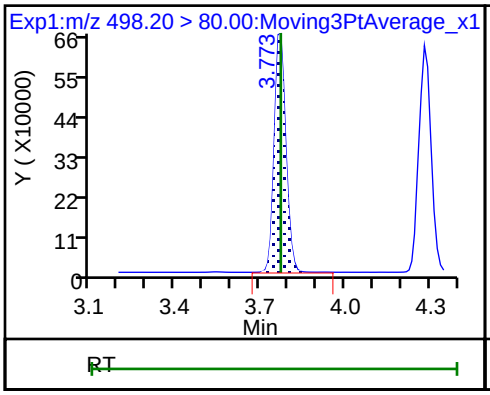
Client ID:

Operator ID: ETUS023_USR_INS00002 ALS Bottle#: 11 Worklist Smp#: 15

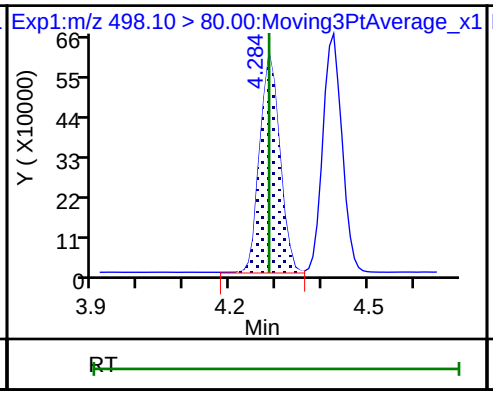
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30571-1633-125ml Limit Group: LC - 1633 LVI- ICAL

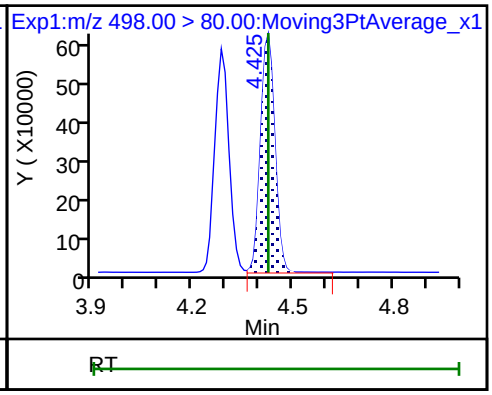
13 TUDCA



23 TCDCA



25 TDCA



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30571\20250721-154061.b\25Jul21-612.d
Lims ID: WDM
Client ID:
Sample Type: WDM
Inject. Date: 21-Jul-2025 10:30:04 ALS Bottle#: 11 Worklist Smp#: 4
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: WDM
Misc. Info.: Plate: 1 Rack: 1
Operator ID: ETUS023_USR_INS00002 Instrument ID: 30571

Method: \\chromfs\Lancaster\ChromData\30571\20250721-154061.b\30571-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 21-Jul-2025 13:27:34 Calib Date: 18-Jul-2025 17:37:16
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30571\20250718-153904.b\25Jul18-919.d

Column 1 : Det: EXP1
Process Host: CTX1699

First Level Reviewer: P7EB Date: 21-Jul-2025 10:48:17
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
13 TUDCA 498.20 > 80.00	3.698	3.698	0.0	1.000	3567789	3567789			15.7	
23 TCDCA 498.10 > 80.00	4.210	4.210	0.0	1.000	3365081	3365081			33.1	a a
25 TDCA 498.00 > 80.00	4.346	4.346	0.0	1.000	2999573	2999573			26.5	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

1633_125_WDM_00013 Amount Added: 1.00 Units: mL

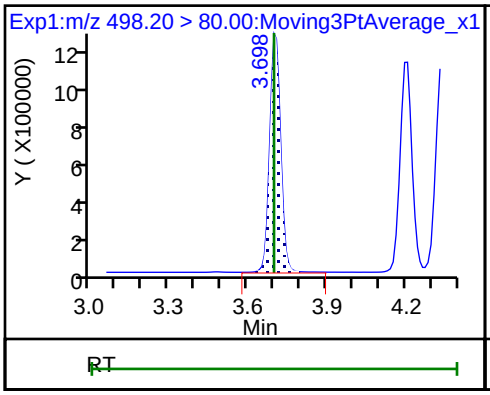
PFOS > 1 min from bile salts

Report Date: 21-Jul-2025 13:27:34 Chrom Revision: 2.3 17-Jul-2025 12:11:26

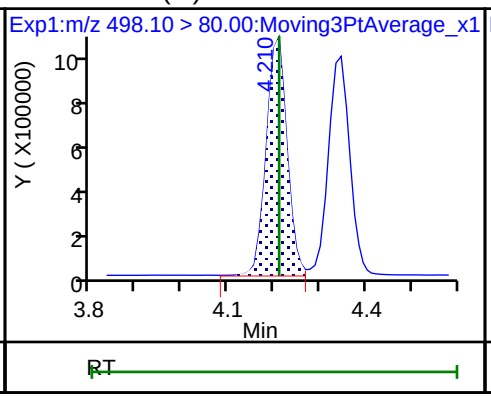
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\30571\20250721-154061.b\25Jul21-612.d				
Injection Date:	21-Jul-2025 10:30:04	Instrument ID:	30571		
Lims ID:	WDM				
Client ID:					
Operator ID:	ETUS023_USR_INS00002	ALS Bottle#:	11	Worklist Smp#:	4
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	30571-1633-125ml	Limit Group:	LC - 1633 LVI- ICAL		

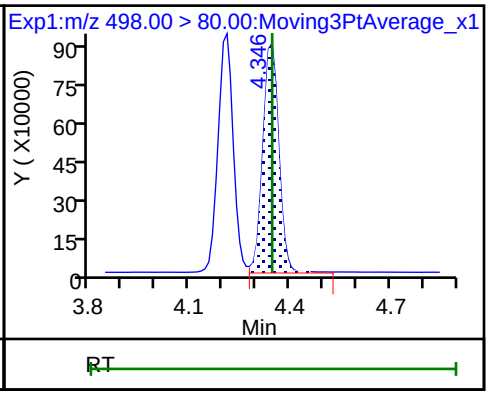
13 TUDCA



23 TCDCA (M)



25 TDCA



associated with FB only - no eval

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30575\20250708-152786.b\25Jul08CAL-11.d
Lims ID: WDM
Client ID:
Sample Type: WDM
Inject. Date: 08-Jul-2025 20:29:44 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: WDM
Misc. Info.: Plate: 1 Rack: 1 410-0152786-011
Operator ID: ETUS023_USR_INS00007 Instrument ID: 30575

Method: \\chromfs\Lancaster\ChromData\30575\20250708-152786.b\30575-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 08-Jul-2025 22:45:14 Calib Date: 08-Jul-2025 19:48:59
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30575\20250708-152786.b\25Jul08CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1716

First Level Reviewer: LDU5 Date: 08-Jul-2025 22:30:56
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
3 TUDCA 498.20 > 80.00	5.041	5.041	0.0	1.000	4908457	4908457			41.5	
4 TCDCA 498.10 > 80.00	5.465	5.465	0.0	1.000	4453697	4453697			29.2	
8 TDCA 498.00 > 80.00	5.588	5.588	0.0	1.000	3122715	3122715			23.9	

QC Flag Legend

Processing Flags

Reagents:

1633_125_WDM_00013 Amount Added: 1.00 Units: mL

Report Date: 08-Jul-2025 22:45:14 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30575\20250708-152786.b\25Jul08CAL-11.d

Injection Date: 08-Jul-2025 20:29:44 Instrument ID: 30575

Lims ID: WDM

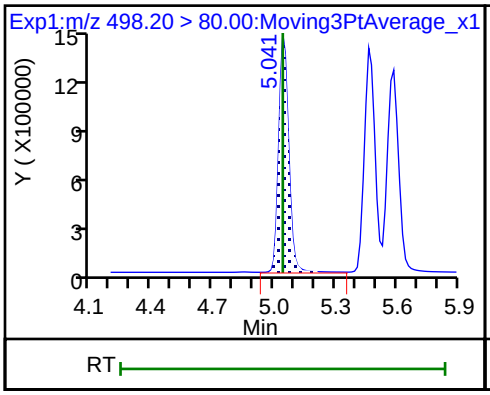
Client ID:

Operator ID: ETUS023_USR_INS00007 ALS Bottle#: 11 Worklist Smp#: 11

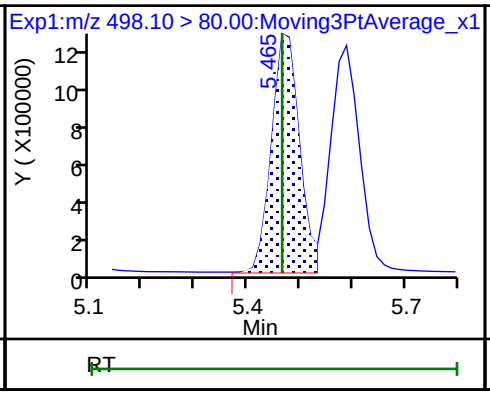
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30575-1633-125ml Limit Group: LC - 1633 LVI- ICAL

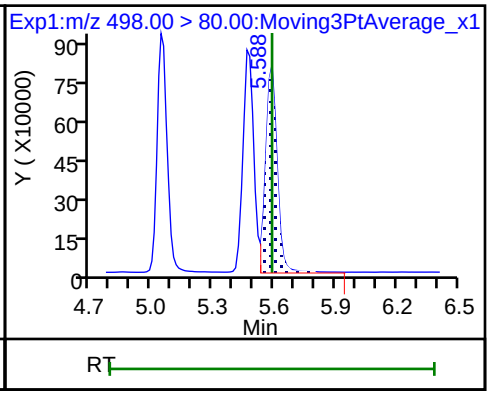
3 TUDCA

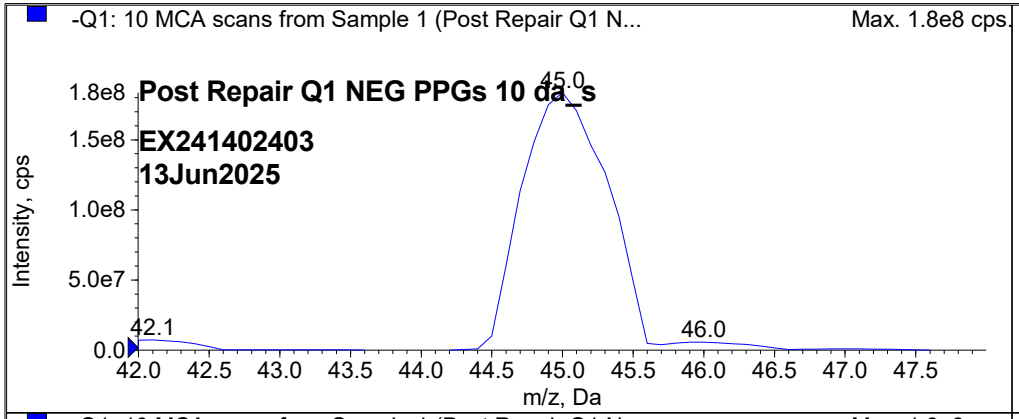


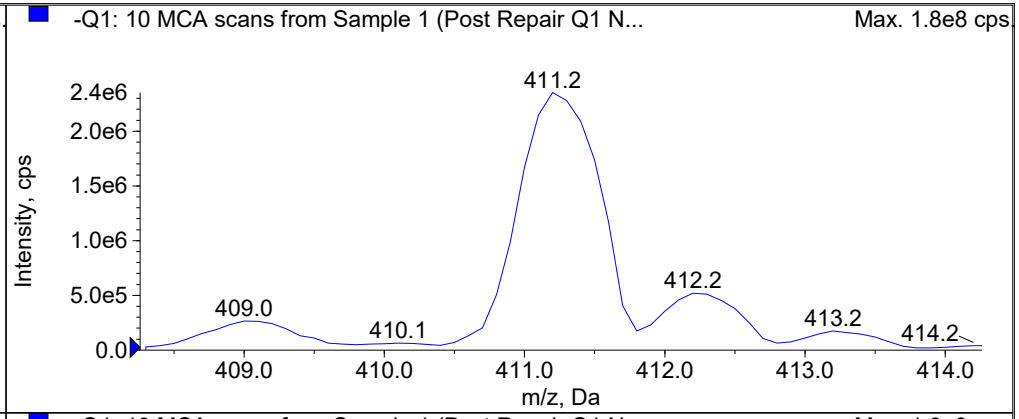
4 TCDCA

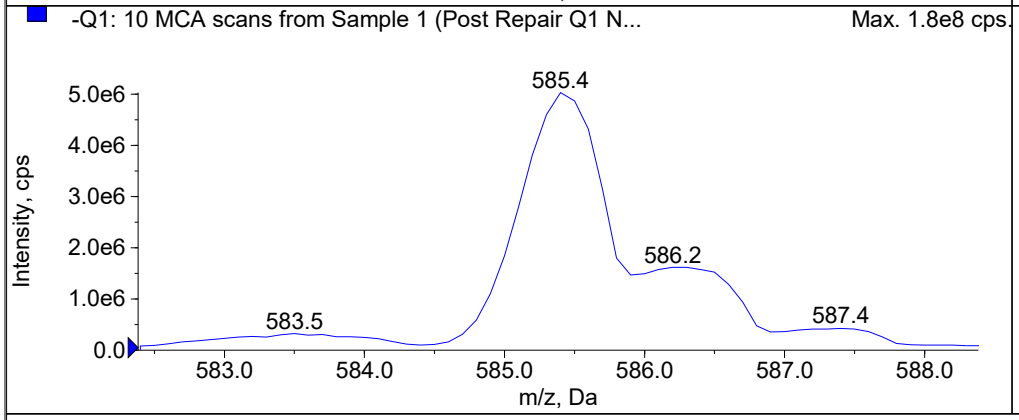


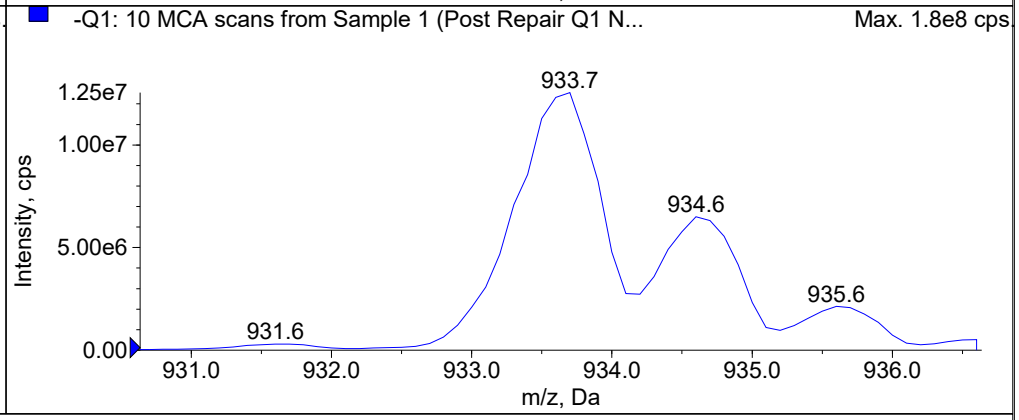
8 TDCA





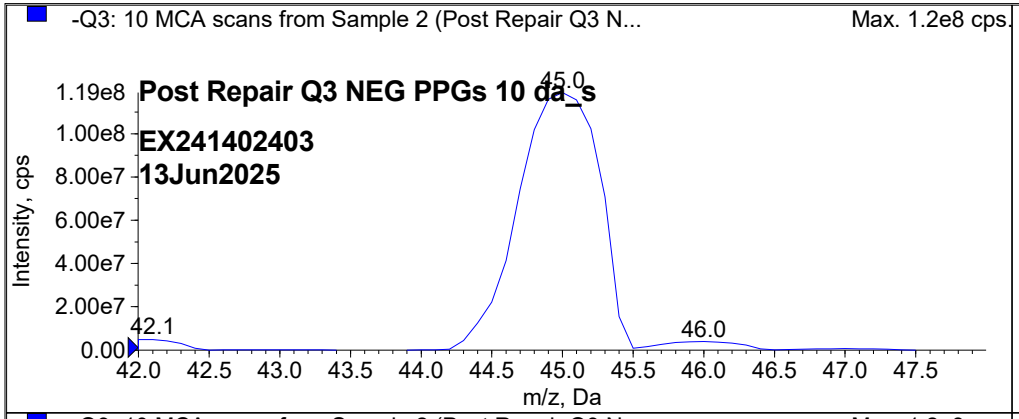


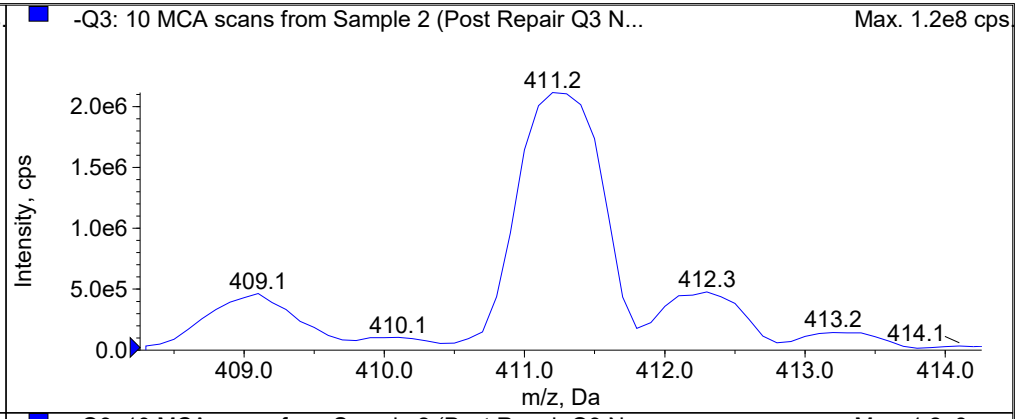


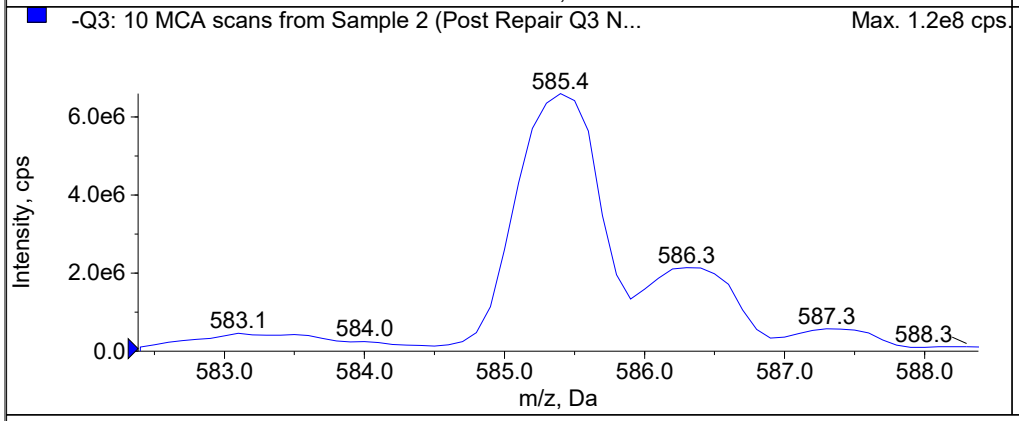


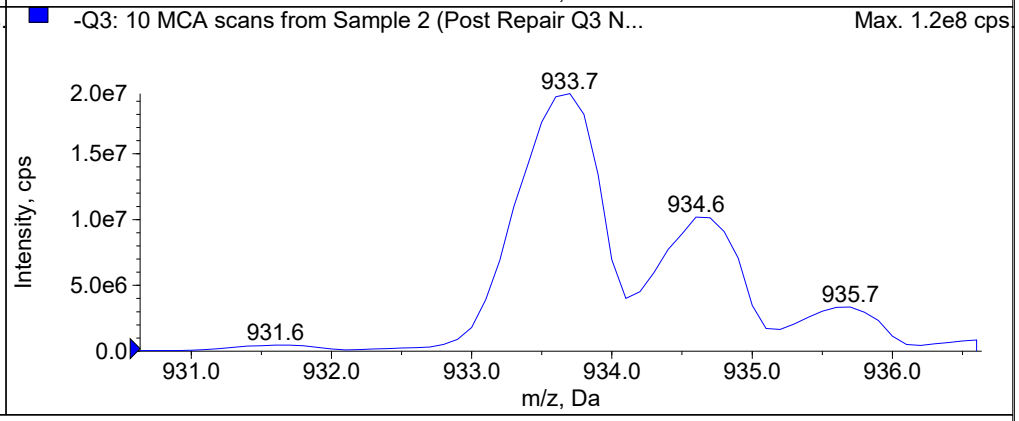
Peak List for " -Q1: 10 MCA scans from Sample 1 (Post Repair Q1 NEG PPGs 10 da_s) of Post Repair Q1 NEG PPGs 10 da_s.wiff (Turbo Spray)"

	Target Mass (Da)	Found At (Da)	Intensity (cps)	Width (Da)	Mass Shift (Da)
1	44.9980	45.0095	1.8367e8	0.7478	-0.0115
2	411.2590	411.2510	2.3524e6	0.6712	8.0203e-3
3	585.3850	585.4212	5.0314e6	0.6770	-0.0362
4	933.6360	933.6324	1.2546e7	0.6909	3.5695e-3
5	1572.0970	n/a	n/a	n/a	n/a
6	1863.3060	n/a	n/a	n/a	n/a
7	1979.3890	n/a	n/a	n/a	n/a



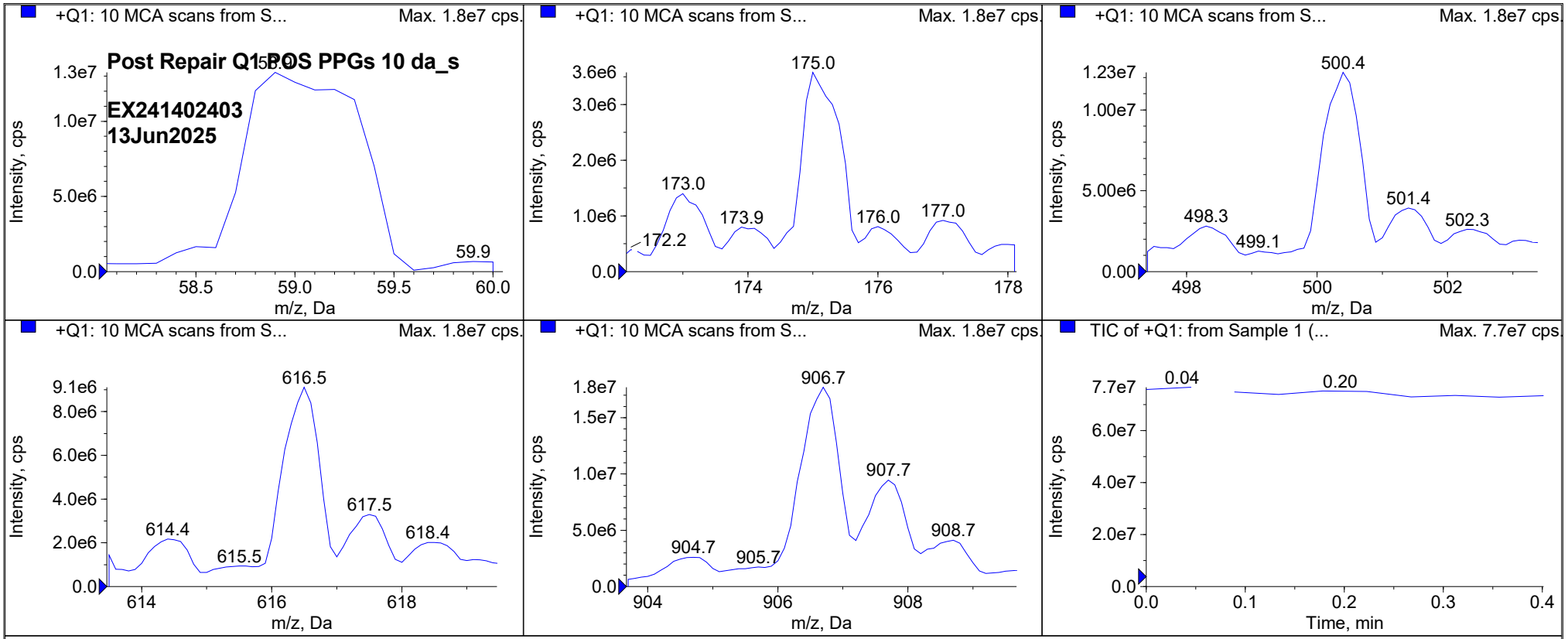






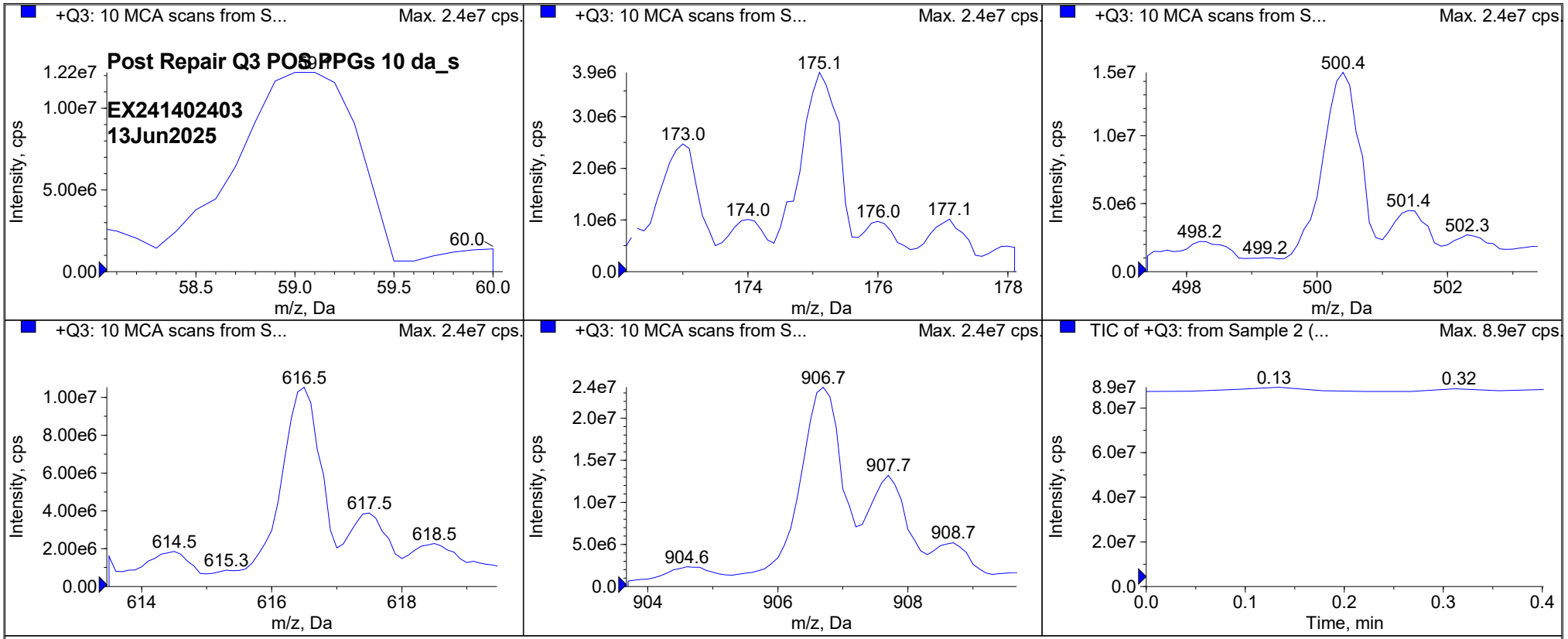
Peak List for " -Q3: 10 MCA scans from Sample 2 (Post Repair Q3 NEG PPGs 10 da_s) of Post Repair Q3 NEG PPGs 10 da_s.wiff (Turbo Spray)"

	Target Mass (Da)	Found At (Da)	Intensity (cps)	Width (Da)	Mass Shift (Da)
1	44.9980	44.9962	1.1901e8	0.6657	1.8458e-3
2	411.2590	411.2570	2.1144e6	0.6923	1.9513e-3
3	585.3850	585.3834	6.5926e6	0.6711	1.5701e-3
4	933.6360	933.6389	1.9564e7	0.6861	-2.8718e-3
5	1572.0970	n/a	n/a	n/a	n/a
6	1863.3060	n/a	n/a	n/a	n/a
7	1979.3890	n/a	n/a	n/a	n/a



Peak List for " +Q1: 10 MCA scans from Sample 1 (Post Repair Q1 POS PPGs 10 da_s) of Post Repair Q1 POS PPGs 10 da_s.wiff (Turbo Spray)"

	Target Mass (Da)	Found At (Da)	Intensity (cps)	Width (Da)	Mass Shift (Da)
1	59.0500	59.0440	1.3252e7	0.6866	6.0460e-3
2	175.1330	175.1316	3.5775e6	0.7118	1.4388e-3
3	500.3800	500.3789	1.2321e7	0.6944	1.1075e-3
4	616.4640	616.4636	9.1109e6	0.6679	3.7256e-4
5	906.6730	906.6578	1.7697e7	0.6995	0.0152
6	1254.9250	n/a	n/a	n/a	n/a
7	1545.1340	n/a	n/a	n/a	n/a
8	1952.4270	n/a	n/a	n/a	n/a



Peak List for " +Q3: 10 MCA scans from Sample 2 (Post Repair Q3 POS PPGs 10 da_s) of Post Repair Q3 POS PPGs 10 da_s.wiff (Turbo Spray)"

	Target Mass (Da)	Found At (Da)	Intensity (cps)	Width (Da)	Mass Shift (Da)
1	59.0500	59.0447	1.2191e7	0.6880	5.2735e-3
2	175.1330	175.1429	3.8582e6	0.6634	-9.8938e-3
3	500.3800	500.3876	1.4653e7	0.6646	-7.6120e-3
4	616.4640	616.4705	1.0533e7	0.6872	-6.5036e-3
5	906.6730	906.6770	2.3651e7	0.6683	-4.0120e-3
6	1254.9250	n/a	n/a	n/a	n/a
7	1545.1340	n/a	n/a	n/a	n/a
8	1952.4270	n/a	n/a	n/a	n/a

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30575\20250713-153287.b\25Jul14S-08.d
Lims ID: WDM
Client ID:
Sample Type: WDM
Inject. Date: 14-Jul-2025 20:38:11 ALS Bottle#: 11 Worklist Smp#: 281
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: WDM
Misc. Info.: Plate: 1 Rack: 1 410-0153287-281
Operator ID: P7EB Instrument ID: 30575

Method: \\chromfs\Lancaster\ChromData\30575\20250713-153287.b\30575-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 15-Jul-2025 09:04:14 Calib Date: 08-Jul-2025 19:48:59
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30575\20250708-152786.b\25Jul08CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1727

First Level Reviewer: LDU5 Date: 14-Jul-2025 20:59:08
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
3 TUDCA										
498.20 > 80.00	5.058	5.058	0.0	1.000	4036878	4036878			39.3	
4 TCDCA										
498.10 > 80.00	5.483	5.483	0.0	1.000	3475601	3475601			28.3	
8 TDCA										
498.00 > 80.00	5.593	5.593	0.0	1.000	2558637	2558637			23.7	

QC Flag Legend

Processing Flags

Reagents:

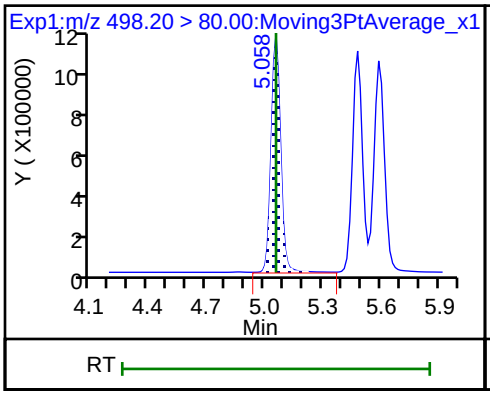
1633_125_WDM_00013 Amount Added: 1.00 Units: mL

Report Date: 15-Jul-2025 09:04:14 Chrom Revision: 2.3 14-Jul-2025 13:55:14

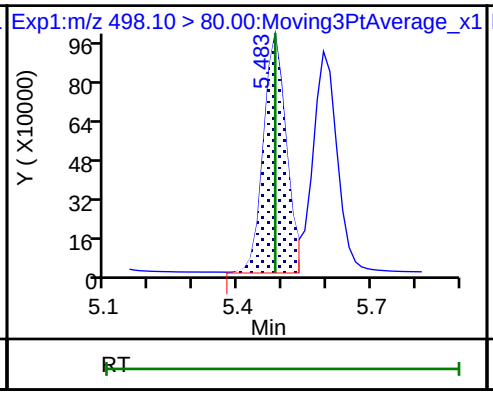
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\30575\20250713-153287.b\25Jul14S-08.d				
Injection Date:	14-Jul-2025 20:38:11	Instrument ID:	30575		
Lims ID:	WDM				
Client ID:					
Operator ID:	P7EB	ALS Bottle#:	11	Worklist Smp#:	281
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	30575-1633-125ml	Limit Group:	LC - 1633 LVI- ICAL		

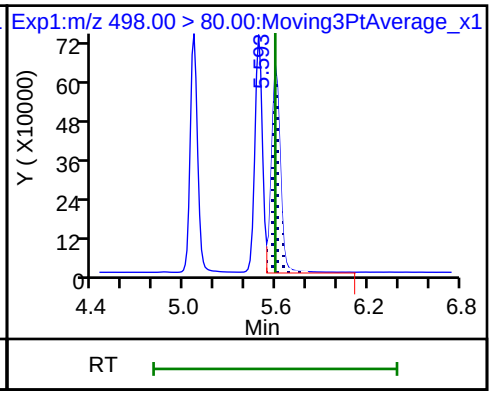
3 TUDCA



4 TCDCA



8 TDCA



Clean Blank ✓

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 410-671022/4-A
Matrix: Water
Lab File ID: 25Jul15-52.d
Analysis Method: 1633A
Date Collected:
Extraction Method: 1633A
Date Extracted: 07/14/2025 15:43
Sample wt/vol: 125(mL)
Date Analyzed: 07/15/2025 16:50
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)
% Moisture: % Solids:
GPC Cleanup:(Y/N) N
Cleanup Factor:
Analysis Batch No.: 670538
Units: ng/L
Preparation Batch No.: 671022
Instrument ID: 30575

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		4.0	1.1
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80
335-67-1	Perfluorooctanoic acid (PFOA)	ND		2.0	0.90
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.0	0.50
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.50
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		2.0	0.50
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	0.50

✓

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-671022/4-A

Matrix: Water
Lab File ID: 25Jul15-52.d

Analysis Method: 1633A
Date Collected:

Extraction Method: 1633A
Date Extracted: 07/14/2025 15:43

Sample wt/vol: 125(mL)
Date Analyzed: 07/15/2025 16:50

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 670538
Units: ng/L

Preparation Batch No.: 671022
Instrument ID: 30575

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	2.5
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	ND		2.0	0.50
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	ND		2.0	0.50
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.50
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-671022/4-A

Matrix: Water
Lab File ID: 25Jul15-52.d

Analysis Method: 1633A
Date Collected:

Extraction Method: 1633A
Date Extracted: 07/14/2025 15:43

Sample wt/vol: 125(mL)
Date Analyzed: 07/15/2025 16:50

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 670538
Units: ng/L

Preparation Batch No.: 671022
Instrument ID: 30575

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	102		5-130
STL01893	13C5 PFPeA	109		40-130
STL02577	13C5 PFHxA	96.0		40-130
STL01892	13C4 PFHpA	95.6		40-130
STL01052	13C8 PFOA	103		40-130
STL02578	13C9 PFNA	108		40-130
STL02579	13C6 PFDA	97.5		40-130
STL02580	13C7 PFUnA	97.4		30-130
STL02116	13C2 PFTeDA	91.1		10-130
STL02337	13C3 PFBS	110		40-135
STL02581	13C3 PFHxS	106		40-130
STL01054	13C8 PFOS	117		40-130
STL01056	13C8 FOSA	111		40-130
STL02118	d3-NMeFOSAA	94.1		40-170
STL02117	d5-NEtFOSAA	94.1		25-135
STL02395	13C2 4:2 FTS	106		40-200
STL02279	13C2 6:2 FTS	104		40-200
STL02280	13C2 8:2 FTS	99.7		40-300
STL02255	13C3 HFPO-DA	86.5		40-130
STL02277	d7-N-MeFOSE-M	85.7		10-130
STL02278	d9-N-EtFOSE-M	79.7		10-130
STL02704	d5-NEtPFOSA	92.0		10-130
STL02705	d3-NMePFOSA	83.6		10-130
960315-52-0	13C2 PFDoA	81.9		10-130

Clean Blank

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-673310/1-A

Matrix: Solid
Lab File ID: 25Jul21-20.d

Analysis Method: 1633A
Date Collected:

Extraction Method: 1633A Shake
Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.00(g)
Date Analyzed: 07/21/2025 10:43

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673901
Units: ng/g

Preparation Batch No.: 673310
Instrument ID: 30571

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		0.40	0.13
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.070
335-67-1	Perfluorooctanoic acid (PFOA)	ND		0.20	0.060
375-95-1	Perfluorononanoic acid (PFNA)	ND		0.20	0.060
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.20	0.050
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.070
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.070
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.070
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.070
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.070
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.090
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.090
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-673310/1-A

Matrix: Solid
Lab File ID: 25Jul21-20.d

Analysis Method: 1633A
Date Collected:

Extraction Method: 1633A Shake
Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.00(g)
Date Analyzed: 07/21/2025 10:43

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673901
Units: ng/g

Preparation Batch No.: 673310
Instrument ID: 30571

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.080
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.30
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.30
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.070
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.070
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	ND		0.20	0.090
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	ND		0.20	0.080
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.40

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-673310/1-A

Matrix: Solid
Lab File ID: 25Jul21-20.d

Analysis Method: 1633A
Date Collected:

Extraction Method: 1633A Shake
Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.00(g)
Date Analyzed: 07/21/2025 10:43

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673901
Units: ng/g

Preparation Batch No.: 673310
Instrument ID: 30571

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	111		8-130
STL01893	13C5 PFPeA	111		35-130
STL02577	13C5 PFHxA	106		40-130
STL01892	13C4 PFHpA	103		40-130
STL01052	13C8 PFOA	109		40-130
STL02578	13C9 PFNA	108		40-130
STL02579	13C6 PFDA	107		40-130
STL02580	13C7 PFUnA	110		40-130
STL02116	13C2 PFTeDA	107		20-130
STL02337	13C3 PFBS	109		40-135
STL02581	13C3 PFHxS	108		40-130
STL01054	13C8 PFOS	105		40-130
STL01056	13C8 FOSA	98.5		40-130
STL02118	d3-NMeFOSAA	112		40-135
STL02117	d5-NEtFOSAA	111		40-150
STL02395	13C2 4:2 FTS	126		40-165
STL02279	13C2 6:2 FTS	128		40-215
STL02280	13C2 8:2 FTS	120		40-275
STL02255	13C3 HFPO-DA	105		40-130
STL02277	d7-N-MeFOSE-M	72.4		20-130
STL02278	d9-N-EtFOSE-M	61.0		15-130
STL02704	d5-NEtPFOSA	84.7		10-130
STL02705	d3-NMePFOSA	85.9		10-130
960315-52-0	13C2 PFDoA	109		40-130

Clean Blank

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-674050/1-A

Matrix: Solid
Lab File ID: 25JUL24-38.d

Analysis Method: 1633A
Date Collected:

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.00(g)
Date Analyzed: 07/25/2025 00:39

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		0.40	0.13
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		0.20	0.050
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		0.20	0.060
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.070
335-67-1	Perfluorooctanoic acid (PFOA)	ND		0.20	0.060
375-95-1	Perfluorononanoic acid (PFNA)	ND		0.20	0.060
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.20	0.050
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.070
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.070
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.070
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.060
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.070
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.11
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.070
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.13
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.13
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.090
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.090
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-674050/1-A

Matrix: Solid
Lab File ID: 25JUL24-38.d

Analysis Method: 1633A
Date Collected:

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.00(g)
Date Analyzed: 07/25/2025 00:39

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.080
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.11
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.30
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.30
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.11
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.060
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.070
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.070
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	ND		0.20	0.090
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	ND		0.20	0.080
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.40

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-674050/1-A

Matrix: Solid
Lab File ID: 25JUL24-38.d

Analysis Method: 1633A
Date Collected:

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.00(g)
Date Analyzed: 07/25/2025 00:39

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	65.6		8-130
STL01893	13C5 PFPeA	67.4		35-130
STL02577	13C5 PFHxA	63.0		40-130
STL01892	13C4 PFHpA	55.2		40-130
STL01052	13C8 PFOA	58.3		40-130
STL02578	13C9 PFNA	66.5		40-130
STL02579	13C6 PFDA	63.6		40-130
STL02580	13C7 PFUnA	77.2		40-130
STL02116	13C2 PFTeDA	69.9		20-130
STL02337	13C3 PFBS	60.7		40-135
STL02581	13C3 PFHxS	66.1		40-130
STL01054	13C8 PFOS	69.9		40-130
STL01056	13C8 FOSA	58.5		40-130
STL02118	d3-NMeFOSAA	69.7		40-135
STL02117	d5-NEtFOSAA	73.4		40-150
STL02395	13C2 4:2 FTS	59.9		40-165
STL02279	13C2 6:2 FTS	60.0		40-215
STL02280	13C2 8:2 FTS	62.7		40-275
STL02255	13C3 HFPO-DA	60.5		40-130
STL02277	d7-N-MeFOSE-M	36.2		20-130
STL02278	d9-N-EtFOSE-M	38.0		15-130
STL02704	d5-NEtPFOSA	53.6		10-130
STL02705	d3-NMePFOSA	49.0		10-130
960315-52-0	13C2 PFDoA	79.0		40-130

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FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

associated with samples #1,3,5,12

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 410-673475/79

Matrix: Solid Lab File ID: 25Jul18S-60.d

Analysis Method: 1633A Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 0(mL) Date Analyzed: 07/19/2025 09:14

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 7(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475 Units: ng/mL

Preparation Batch No.: Instrument ID: 30571

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		0.010	0.0040
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		0.010	0.0040
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		0.010	0.0040
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		0.010	0.0040
335-67-1	Perfluorooctanoic acid (PFOA)	ND		0.010	0.0040
375-95-1	Perfluorononanoic acid (PFNA)	ND		0.010	0.0040
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.010	0.0040
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.010	0.0040
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.010	0.0040
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.010	0.0040
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		0.010	0.0040
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0.010	0.0040
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		0.010	0.0040
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		0.010	0.0040
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		0.010	0.0040
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		0.010	0.0040
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		0.010	0.0040
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		0.010	0.0040
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		0.010	0.0040
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.010	0.0040
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.010	0.0040
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.010	0.0040
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		0.010	0.0040
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.010	0.0040
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.010	0.0040

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FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: CCB 410-673475/79

Matrix: Solid
Lab File ID: 25Jul18S-60.d

Analysis Method: 1633A
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 0(mL)
Date Analyzed: 07/19/2025 09:14

Con. Extract Vol.:
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475
Units: ng/mL

Preparation Batch No.:
Instrument ID: 30571

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.010	0.0040
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.010	0.0040
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.010	0.0040
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.010	0.0040
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.010	0.0040
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.010	0.0040
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.010	0.0040
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.010	0.0040
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.010	0.0040
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	ND		0.010	0.0040
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	ND		0.010	0.0040
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.010	0.0040
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.010	0.0040
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.010	0.0040
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.010	0.0040

Clean Blank

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: CCB 410-673475/79

Matrix: Solid
Lab File ID: 25Jul18S-60.d

Analysis Method: 1633A
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 0(mL)
Date Analyzed: 07/19/2025 09:14

Con. Extract Vol.:
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475
Units: ng/mL

Preparation Batch No.:
Instrument ID: 30571

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	112		8-130
STL01893	13C5 PFPeA	109		35-130
STL02577	13C5 PFHxA	107		40-130
STL01892	13C4 PFHpA	103		40-130
STL01052	13C8 PFOA	105		40-130
STL02578	13C9 PFNA	110		40-130
STL02579	13C6 PFDA	119		40-130
STL02580	13C7 PFUnA	122		40-130
STL02116	13C2 PFTeDA	126		20-130
STL02337	13C3 PFBS	110		40-135
STL02581	13C3 PFHxS	109		40-130
STL01054	13C8 PFOS	110		40-130
STL01056	13C8 FOSA	99.5		40-130
STL02118	d3-NMeFOSAA	111		40-135
STL02117	d5-NEtFOSAA	125		40-150
STL02395	13C2 4:2 FTS	107		40-165
STL02279	13C2 6:2 FTS	116		40-215
STL02280	13C2 8:2 FTS	112		40-275
STL02255	13C3 HFPO-DA	105		40-130
STL02277	d7-N-MeFOSE-M	100		20-130
STL02278	d9-N-EtFOSE-M	102		15-130
STL02704	d5-NEtPFOSA	107		10-130
STL02705	d3-NMePFOSA	104		10-130
960315-52-0	13C2 PFDoA	125		40-130

associated with samples #1,3,5,12

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 410-673475/81

Matrix: Solid Lab File ID: 25Jul18S-66.d

Analysis Method: 1633A Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 0(mL) Date Analyzed: 07/19/2025 10:36

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 7(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475 Units: ng/mL

Preparation Batch No.: Instrument ID: 30571

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		0.010	0.0040
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		0.010	0.0040
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		0.010	0.0040
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		0.010	0.0040
335-67-1	Perfluorooctanoic acid (PFOA)	ND		0.010	0.0040
375-95-1	Perfluorononanoic acid (PFNA)	ND		0.010	0.0040
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.010	0.0040
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.010	0.0040
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.010	0.0040
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.010	0.0040
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		0.010	0.0040
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0.010	0.0040
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		0.010	0.0040
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		0.010	0.0040
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		0.010	0.0040
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		0.010	0.0040
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		0.010	0.0040
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		0.010	0.0040
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		0.010	0.0040
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.010	0.0040
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.010	0.0040
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.010	0.0040
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		0.010	0.0040
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.010	0.0040
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.010	0.0040



associated with samples #1,3,5,12

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 410-673475/81

Matrix: Solid Lab File ID: 25Jul18S-66.d

Analysis Method: 1633A Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 0(mL) Date Analyzed: 07/19/2025 10:36

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 7(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475 Units: ng/mL

Preparation Batch No.: Instrument ID: 30571

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.010	0.0040
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.010	0.0040
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.010	0.0040
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.010	0.0040
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.010	0.0040
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.010	0.0040
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.010	0.0040
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.010	0.0040
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.0103		0.010	0.0040
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	ND		0.010	0.0040
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	ND		0.010	0.0040
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.010	0.0040
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.010	0.0040
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.010	0.0040
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.010	0.0040

associated samples
ND - no qual

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: CCB 410-673475/81

Matrix: Solid
Lab File ID: 25Jul18S-66.d

Analysis Method: 1633A
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 0(mL)
Date Analyzed: 07/19/2025 10:36

Con. Extract Vol.:
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475
Units: ng/mL

Preparation Batch No.:
Instrument ID: 30571

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	112		8-130
STL01893	13C5 PFPeA	110		35-130
STL02577	13C5 PFHxA	110		40-130
STL01892	13C4 PFHpA	113		40-130
STL01052	13C8 PFOA	105		40-130
STL02578	13C9 PFNA	115		40-130
STL02579	13C6 PFDA	110		40-130
STL02580	13C7 PFUnA	117		40-130
STL02116	13C2 PFTeDA	120		20-130
STL02337	13C3 PFBS	108		40-135
STL02581	13C3 PFHxS	116		40-130
STL01054	13C8 PFOS	109		40-130
STL01056	13C8 FOSA	102		40-130
STL02118	d3-NMeFOSAA	111		40-135
STL02117	d5-NEtFOSAA	135		40-150
STL02395	13C2 4:2 FTS	113		40-165
STL02279	13C2 6:2 FTS	123		40-215
STL02280	13C2 8:2 FTS	116		40-275
STL02255	13C3 HFPO-DA	102		40-130
STL02277	d7-N-MeFOSE-M	102		20-130
STL02278	d9-N-EtFOSE-M	99.8		15-130
STL02704	d5-NEtPFOSA	106		10-130
STL02705	d3-NMePFOSA	108		10-130
960315-52-0	13C2 PFDoA	103		40-130

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FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 410-675863/71

Matrix: Solid Lab File ID: 25JUL24-52.d

Analysis Method: 1633A Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 0(mL) Date Analyzed: 07/25/2025 03:49

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 7(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863 Units: ng/mL

Preparation Batch No.: Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		0.010	0.0040
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		0.010	0.0040
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		0.010	0.0040
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		0.010	0.0040
335-67-1	Perfluorooctanoic acid (PFOA)	ND		0.010	0.0040
375-95-1	Perfluorononanoic acid (PFNA)	ND		0.010	0.0040
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.010	0.0040
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.010	0.0040
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.010	0.0040
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.010	0.0040
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		0.010	0.0040
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0.010	0.0040
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		0.010	0.0040
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		0.010	0.0040
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		0.010	0.0040
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		0.010	0.0040
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		0.010	0.0040
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		0.010	0.0040
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		0.010	0.0040
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.010	0.0040
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.010	0.0040
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.010	0.0040
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		0.010	0.0040
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.010	0.0040
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.010	0.0040

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FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: CCB 410-675863/71

Matrix: Solid
Lab File ID: 25JUL24-52.d

Analysis Method: 1633A
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 0(mL)
Date Analyzed: 07/25/2025 03:49

Con. Extract Vol.:
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/mL

Preparation Batch No.:
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.010	0.0040
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.010	0.0040
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.010	0.0040
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.010	0.0040
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.010	0.0040
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.010	0.0040
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.010	0.0040
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.010	0.0040
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.010	0.0040
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	ND		0.010	0.0040
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	ND		0.010	0.0040
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.010	0.0040
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.010	0.0040
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.010	0.0040
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.010	0.0040

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: CCB 410-675863/71

Matrix: Solid
Lab File ID: 25JUL24-52.d

Analysis Method: 1633A
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 0(mL)
Date Analyzed: 07/25/2025 03:49

Con. Extract Vol.:
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/mL

Preparation Batch No.:
Instrument ID: 30569

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
1017281-29-6	13C4 PFBA	81.6		8-130
2283397-79-3	13C5 PFPeA	92.0		35-130
2328024-54-8	13C5 PFHxA	86.7		40-130
2328024-55-9	13C4 PFHpA	86.4		40-130
1350614-84-4	13C8 PFOA	87.5		40-130
2283397-80-6	13C9 PFNA	81.4		40-130
2328024-56-0	13C6 PFDA	82.9		40-130
STL02580	13C7 PFUnA	94.6		40-130
STL02116	13C2 PFTeDA	89.6		20-130
2708218-83-9	13C3 PFBS	87.0		40-135
2708218-85-1	13C3 PFHxS	89.8		40-130
2265893-05-6	13C8 PFOS	90.2		40-130
STL01056	13C8 FOSA	81.7		40-130
1400690-70-1	d3-NMeFOSAA	95.0		40-135
1265205-97-7	d5-NEtFOSAA	96.4		40-150
STL02395	13C2 4:2 FTS	85.2		40-165
STL02279	13C2 6:2 FTS	88.6		40-215
STL02280	13C2 8:2 FTS	86.0		40-275
STL02255	13C3 HFPO-DA	85.8		40-130
STL02277	d7-N-MeFOSE-M	99.5		20-130
STL02278	d9-N-EtFOSE-M	96.4		15-130
STL02704	d5-NEtPFOSA	85.0		10-130
STL02705	d3-NMePFOSA	84.8		10-130
960315-52-0	13C2 PFDoA	97.4		40-130

missing in original lab packet - included in revision

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Clean Blank

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 410-675863/73

Matrix: Solid Lab File ID: 25JUL24-63.d

Analysis Method: 1633A Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 0(mL) Date Analyzed: 07/25/2025 06:19

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 7(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863 Units: ng/mL

Preparation Batch No.: Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		0.010	0.0040
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		0.010	0.0040
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		0.010	0.0040
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		0.010	0.0040
335-67-1	Perfluorooctanoic acid (PFOA)	ND		0.010	0.0040
375-95-1	Perfluorononanoic acid (PFNA)	ND		0.010	0.0040
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.010	0.0040
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.010	0.0040
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.010	0.0040
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.010	0.0040
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		0.010	0.0040
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0.010	0.0040
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		0.010	0.0040
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		0.010	0.0040
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		0.010	0.0040
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		0.010	0.0040
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		0.010	0.0040
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		0.010	0.0040
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		0.010	0.0040
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.010	0.0040
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.010	0.0040
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.010	0.0040
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		0.010	0.0040
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.010	0.0040
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.010	0.0040

missing in original lab packet - included in revision

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: CCB 410-675863/73

Matrix: Solid
Lab File ID: 25JUL24-63.d

Analysis Method: 1633A
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 0(mL)
Date Analyzed: 07/25/2025 06:19

Con. Extract Vol.:
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/mL

Preparation Batch No.:
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.010	0.0040
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.010	0.0040
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.010	0.0040
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.010	0.0040
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.010	0.0040
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.010	0.0040
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.010	0.0040
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.010	0.0040
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.010	0.0040
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	ND		0.010	0.0040
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	ND		0.010	0.0040
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.010	0.0040
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.010	0.0040
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.010	0.0040
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.010	0.0040

missing in original lab packet - included in revision

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 410-675863/73

Matrix: Solid Lab File ID: 25JUL24-63.d

Analysis Method: 1633A Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 0(mL) Date Analyzed: 07/25/2025 06:19

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 7(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863 Units: ng/mL

Preparation Batch No.: Instrument ID: 30569

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
1017281-29-6	13C4 PFBA	82.0		8-130
2283397-79-3	13C5 PFPeA	86.4		35-130
2328024-54-8	13C5 PFHxA	86.5		40-130
2328024-55-9	13C4 PFHpA	86.1		40-130
1350614-84-4	13C8 PFOA	85.3		40-130
2283397-80-6	13C9 PFNA	93.3		40-130
2328024-56-0	13C6 PFDA	86.5		40-130
STL02580	13C7 PFUnA	90.4		40-130
STL02116	13C2 PFTeDA	87.9		20-130
2708218-83-9	13C3 PFBS	85.9		40-135
2708218-85-1	13C3 PFHxS	91.1		40-130
2265893-05-6	13C8 PFOS	91.2		40-130
STL01056	13C8 FOSA	83.8		40-130
1400690-70-1	d3-NMeFOSAA	94.2		40-135
1265205-97-7	d5-NEtFOSAA	96.0		40-150
STL02395	13C2 4:2 FTS	85.4		40-165
STL02279	13C2 6:2 FTS	89.7		40-215
STL02280	13C2 8:2 FTS	89.0		40-275
STL02255	13C3 HFPO-DA	85.0		40-130
STL02277	d7-N-MeFOSE-M	100		20-130
STL02278	d9-N-EtFOSE-M	87.2		15-130
STL02704	d5-NEtPFOSA	81.4		10-130
STL02705	d3-NMePFOSA	90.2		10-130
960315-52-0	13C2 PFDoA	92.2		40-130

Clean Blank

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1
SDG No.:
Client Sample ID:
Lab Sample ID: ICB 410-673272/9
Matrix: Solid
Lab File ID: 25Jul18-908.d
Analysis Method: 1633A
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 0(mL)
Date Analyzed: 07/18/2025 14:53
Con. Extract Vol.:
Dilution Factor: 1
Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)
% Moisture: % Solids:
GPC Cleanup:(Y/N) N
Cleanup Factor:
Analysis Batch No.: 673272
Units: ng/mL
Preparation Batch No.:
Instrument ID: 30571

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		0.010	0.0040
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		0.010	0.0040
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		0.010	0.0040
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		0.010	0.0040
335-67-1	Perfluorooctanoic acid (PFOA)	ND		0.010	0.0040
375-95-1	Perfluorononanoic acid (PFNA)	ND		0.010	0.0040
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.010	0.0040
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.010	0.0040
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.010	0.0040
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.010	0.0040
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		0.010	0.0040
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0.010	0.0040
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		0.010	0.0040
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		0.010	0.0040
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		0.010	0.0040
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		0.010	0.0040
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		0.010	0.0040
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		0.010	0.0040
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		0.010	0.0040
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.010	0.0040
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.010	0.0040
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.010	0.0040
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		0.010	0.0040
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.010	0.0040
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.010	0.0040

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: ICB 410-673272/9

Matrix: Solid
Lab File ID: 25Jul18-908.d

Analysis Method: 1633A
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 0(mL)
Date Analyzed: 07/18/2025 14:53

Con. Extract Vol.:
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673272
Units: ng/mL

Preparation Batch No.:
Instrument ID: 30571

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.010	0.0040
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.010	0.0040
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.010	0.0040
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.010	0.0040
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.010	0.0040
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.010	0.0040
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.010	0.0040
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.010	0.0040
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.010	0.0040
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	ND		0.010	0.0040
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	ND		0.010	0.0040
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.010	0.0040
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.010	0.0040
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.010	0.0040
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.010	0.0040

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: ICB 410-673272/9

Matrix: Solid
Lab File ID: 25Jul18-908.d

Analysis Method: 1633A
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 0(mL)
Date Analyzed: 07/18/2025 14:53

Con. Extract Vol.:
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673272
Units: ng/mL

Preparation Batch No.:
Instrument ID: 30571

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	112		8-130
STL01893	13C5 PFPeA	114		35-130
STL02577	13C5 PFHxA	110		40-130
STL01892	13C4 PFHpA	113		40-130
STL01052	13C8 PFOA	104		40-130
STL02578	13C9 PFNA	114		40-130
STL02579	13C6 PFDA	113		40-130
STL02580	13C7 PFUnA	119		40-130
STL02116	13C2 PFTeDA	119		20-130
STL02337	13C3 PFBS	104		40-135
STL02581	13C3 PFHxS	109		40-130
STL01054	13C8 PFOS	111		40-130
STL01056	13C8 FOSA	100		40-130
STL02118	d3-NMeFOSAA	110		40-135
STL02117	d5-NEtFOSAA	145		40-150
STL02395	13C2 4:2 FTS	112		40-165
STL02279	13C2 6:2 FTS	113		40-215
STL02280	13C2 8:2 FTS	113		40-275
STL02255	13C3 HFPO-DA	114		40-130
STL02277	d7-N-MeFOSE-M	103		20-130
STL02278	d9-N-EtFOSE-M	104		15-130
STL02704	d5-NEtPFOSA	105		10-130
STL02705	d3-NMePFOSA	106		10-130
960315-52-0	13C2 PFDoA	122		40-130

Clean Blank

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1
SDG No.:
Client Sample ID:
Lab Sample ID: ICB 410-674647/9
Matrix: Solid
Lab File ID: 25JUL22CAL-09.d
Analysis Method: 1633A
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 0(mL)
Date Analyzed: 07/22/2025 16:36
Con. Extract Vol.:
Dilution Factor: 1
Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)
% Moisture: % Solids:
GPC Cleanup:(Y/N) N
Cleanup Factor:
Analysis Batch No.: 674647
Units: ng/mL
Preparation Batch No.:
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		0.010	0.0040
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		0.010	0.0040
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		0.010	0.0040
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		0.010	0.0040
335-67-1	Perfluorooctanoic acid (PFOA)	ND		0.010	0.0040
375-95-1	Perfluorononanoic acid (PFNA)	ND		0.010	0.0040
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.010	0.0040
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.010	0.0040
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.010	0.0040
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.010	0.0040
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	ND		0.010	0.0040
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0.010	0.0040
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	ND		0.010	0.0040
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		0.010	0.0040
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	ND		0.010	0.0040
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		0.010	0.0040
68259-12-1	Perfluorononanesulfonic acid (PFNS)	ND		0.010	0.0040
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		0.010	0.0040
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		0.010	0.0040
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.010	0.0040
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.010	0.0040
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.010	0.0040
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		0.010	0.0040
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.010	0.0040
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.010	0.0040

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: ICB 410-674647/9

Matrix: Solid
Lab File ID: 25JUL22CAL-09.d

Analysis Method: 1633A
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 0(mL)
Date Analyzed: 07/22/2025 16:36

Con. Extract Vol.:
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674647
Units: ng/mL

Preparation Batch No.:
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.010	0.0040
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.010	0.0040
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.010	0.0040
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.010	0.0040
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.010	0.0040
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.010	0.0040
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.010	0.0040
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.010	0.0040
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.010	0.0040
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	ND		0.010	0.0040
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	ND		0.010	0.0040
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.010	0.0040
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.010	0.0040
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.010	0.0040
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.010	0.0040

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: ICB 410-674647/9

Matrix: Solid
Lab File ID: 25JUL22CAL-09.d

Analysis Method: 1633A
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 0(mL)
Date Analyzed: 07/22/2025 16:36

Con. Extract Vol.:
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 674647
Units: ng/mL

Preparation Batch No.:
Instrument ID: 30569

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	101		8-130
STL01893	13C5 PFPeA	104		35-130
STL02577	13C5 PFHxA	106		40-130
STL01892	13C4 PFHpA	94.7		40-130
STL01052	13C8 PFOA	101		40-130
STL02578	13C9 PFNA	99.5		40-130
STL02579	13C6 PFDA	95.5		40-130
STL02580	13C7 PFUnA	95.0		40-130
STL02116	13C2 PFTeDA	102		20-130
STL02337	13C3 PFBS	102		40-135
STL02581	13C3 PFHxS	102		40-130
STL01054	13C8 PFOS	104		40-130
STL01056	13C8 FOSA	92.0		40-130
STL02118	d3-NMeFOSAA	103		40-135
STL02117	d5-NEtFOSAA	107		40-150
STL02395	13C2 4:2 FTS	106		40-165
STL02279	13C2 6:2 FTS	108		40-215
STL02280	13C2 8:2 FTS	103		40-275
STL02255	13C3 HFPO-DA	91.6		40-130
STL02277	d7-N-MeFOSE-M	89.5		20-130
STL02278	d9-N-EtFOSE-M	99.6		15-130
STL02704	d5-NEtPFOSA	107		10-130
STL02705	d3-NMePFOSA	98.1		10-130
960315-52-0	13C2 PFDoA	94.7		40-130

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-673310/2-A

Matrix: Solid
Lab File ID: 25Jul21-5400.d

Analysis Method: 1633A
Date Collected:

Extraction Method: 1633A Shake
Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.00(g)
Date Analyzed: 07/21/2025 18:54

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673901
Units: ng/g

Preparation Batch No.: 673310
Instrument ID: 30571

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	4.08		0.40	0.13
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.86		0.20	0.050
307-24-4	Perfluorohexanoic acid (PFHxA)	1.96		0.20	0.060
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.96		0.20	0.070
335-67-1	Perfluorooctanoic acid (PFOA)	1.79		0.20	0.060
375-95-1	Perfluorononanoic acid (PFNA)	1.99		0.20	0.060
335-76-2	Perfluorodecanoic acid (PFDA)	2.08		0.20	0.050
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.95		0.20	0.050
307-55-1	Perfluorododecanoic acid (PFDoA)	2.09		0.20	0.050
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1.92		0.20	0.070
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	1.79		0.20	0.070
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.65		0.20	0.070
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	1.95		0.20	0.060
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.74		0.20	0.050
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.82		0.20	0.070
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.79		0.20	0.11
68259-12-1	Perfluorononanesulfonic acid (PFNS)	1.75		0.20	0.070
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.81		0.20	0.050
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1.62		0.20	0.060
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.10		0.40	0.10
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.19		0.40	0.13
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.13		0.40	0.13
754-91-6	Perfluorooctanesulfonamide (PFOSA)	2.18		0.20	0.090
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	1.98		0.20	0.090
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.83		0.20	0.10

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-673310/2-A

Matrix: Solid
Lab File ID: 25Jul21-5400.d

Analysis Method: 1633A
Date Collected:

Extraction Method: 1633A Shake
Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.00(g)
Date Analyzed: 07/21/2025 18:54

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673901
Units: ng/g

Preparation Batch No.: 673310
Instrument ID: 30571

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.86		0.20	0.080
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.51		0.20	0.11
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	11.0		1.0	0.30
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	11.3		1.0	0.30
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.59		0.20	0.11
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.90		0.20	0.060
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	1.82		0.20	0.070
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	1.74		0.20	0.050
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.87		0.20	0.070
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	1.66		0.20	0.090
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	1.73		0.20	0.080
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	1.83		0.20	0.050
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	3.85		0.40	0.20
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	9.00		1.0	0.50
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	8.09		1.0	0.40

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-673310/2-A

Matrix: Solid
Lab File ID: 25Jul21-5400.d

Analysis Method: 1633A
Date Collected:

Extraction Method: 1633A Shake
Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.00(g)
Date Analyzed: 07/21/2025 18:54

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673901
Units: ng/g

Preparation Batch No.: 673310
Instrument ID: 30571

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	111		8-130
STL01893	13C5 PFPeA	117		35-130
STL02577	13C5 PFHxA	108		40-130
STL01892	13C4 PFHpA	97.3		40-130
STL01052	13C8 PFOA	107		40-130
STL02578	13C9 PFNA	106		40-130
STL02579	13C6 PFDA	97.2		40-130
STL02580	13C7 PFUnA	106		40-130
STL02116	13C2 PFTeDA	104		20-130
STL02337	13C3 PFBS	102		40-135
STL02581	13C3 PFHxS	101		40-130
STL01054	13C8 PFOS	102		40-130
STL01056	13C8 FOSA	98.0		40-130
STL02118	d3-NMeFOSAA	109		40-135
STL02117	d5-NEtFOSAA	104		40-150
STL02395	13C2 4:2 FTS	118		40-165
STL02279	13C2 6:2 FTS	118		40-215
STL02280	13C2 8:2 FTS	110		40-275
STL02255	13C3 HFPO-DA	101		40-130
STL02277	d7-N-MeFOSE-M	73.5		20-130
STL02278	d9-N-EtFOSE-M	64.1		15-130
STL02704	d5-NEtPFOSA	79.4		10-130
STL02705	d3-NMePFOSA	75.8		10-130
960315-52-0	13C2 PFDoA	94.1		40-130

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-674050/2-A

Matrix: Solid
Lab File ID: 25JUL24-39.d

Analysis Method: 1633A
Date Collected:

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.00(g)
Date Analyzed: 07/25/2025 00:53

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	5.02		0.40	0.13
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.04		0.20	0.050
307-24-4	Perfluorohexanoic acid (PFHxA)	2.19		0.20	0.060
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.42		0.20	0.070
335-67-1	Perfluorooctanoic acid (PFOA)	2.38		0.20	0.060
375-95-1	Perfluorononanoic acid (PFNA)	2.07		0.20	0.060
335-76-2	Perfluorodecanoic acid (PFDA)	2.29		0.20	0.050
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.23		0.20	0.050
307-55-1	Perfluorododecanoic acid (PFDoA)	2.29		0.20	0.050
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	2.27		0.20	0.070
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	2.23		0.20	0.070
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.85		0.20	0.070
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	2.13		0.20	0.060
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.86		0.20	0.050
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	2.02		0.20	0.070
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.90		0.20	0.11
68259-12-1	Perfluorononanesulfonic acid (PFNS)	1.96		0.20	0.070
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.75		0.20	0.050
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1.51		0.20	0.060
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.46		0.40	0.10
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.71		0.40	0.13
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.66		0.40	0.13
754-91-6	Perfluorooctanesulfonamide (PFOSA)	2.50		0.20	0.090
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	2.21		0.20	0.090
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.31		0.20	0.10

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-674050/2-A

Matrix: Solid
Lab File ID: 25JUL24-39.d

Analysis Method: 1633A
Date Collected:

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.00(g)
Date Analyzed: 07/25/2025 00:53

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.97		0.20	0.080
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.30		0.20	0.11
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.7		1.0	0.30
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.2		1.0	0.30
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.83		0.20	0.11
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.13		0.20	0.060
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	2.38		0.20	0.070
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	2.10		0.20	0.050
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.19		0.20	0.070
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	1.76		0.20	0.090
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	1.79		0.20	0.080
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	1.83		0.20	0.050
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	4.24		0.40	0.20
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	10.2		1.0	0.50
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	9.10		1.0	0.40

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-674050/2-A

Matrix: Solid
Lab File ID: 25JUL24-39.d

Analysis Method: 1633A
Date Collected:

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.00(g)
Date Analyzed: 07/25/2025 00:53

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	84.4		8-130
STL01893	13C5 PFPeA	96.4		35-130
STL02577	13C5 PFHxA	91.0		40-130
STL01892	13C4 PFHpA	83.5		40-130
STL01052	13C8 PFOA	82.6		40-130
STL02578	13C9 PFNA	94.0		40-130
STL02579	13C6 PFDA	81.0		40-130
STL02580	13C7 PFUnA	90.7		40-130
STL02116	13C2 PFTeDA	74.8		20-130
STL02337	13C3 PFBS	90.8		40-135
STL02581	13C3 PFHxS	85.9		40-130
STL01054	13C8 PFOS	85.0		40-130
STL01056	13C8 FOSA	79.0		40-130
STL02118	d3-NMeFOSAA	86.2		40-135
STL02117	d5-NEtFOSAA	83.7		40-150
STL02395	13C2 4:2 FTS	88.6		40-165
STL02279	13C2 6:2 FTS	88.1		40-215
STL02280	13C2 8:2 FTS	83.4		40-275
STL02255	13C3 HFPO-DA	86.2		40-130
STL02277	d7-N-MeFOSE-M	44.0		20-130
STL02278	d9-N-EtFOSE-M	39.9		15-130
STL02704	d5-NEtPFOSA	56.4		10-130
STL02705	d3-NMePFOSA	62.4		10-130
960315-52-0	13C2 PFDoA	80.8		40-130

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: LLCS 410-673310/3-A

Matrix: Solid
Lab File ID: 25Jul18S-51.d

Analysis Method: 1633A
Date Collected:

Extraction Method: 1633A Shake
Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.00(g)
Date Analyzed: 07/19/2025 07:12

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475
Units: ng/g

Preparation Batch No.: 673310
Instrument ID: 30571

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.479		0.40	0.13
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.232		0.20	0.050
307-24-4	Perfluorohexanoic acid (PFHxA)	0.233		0.20	0.060
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.233		0.20	0.070
335-67-1	Perfluorooctanoic acid (PFOA)	0.215		0.20	0.060
375-95-1	Perfluorononanoic acid (PFNA)	0.252		0.20	0.060
335-76-2	Perfluorodecanoic acid (PFDA)	0.237		0.20	0.050
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.216		0.20	0.050
307-55-1	Perfluorododecanoic acid (PFDoA)	0.244		0.20	0.050
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	0.214		0.20	0.070
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	0.250		0.20	0.070
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.208		0.20	0.070
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	0.246		0.20	0.060
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.216		0.20	0.050
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.226		0.20	0.070
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.232		0.20	0.11
68259-12-1	Perfluorononanesulfonic acid (PFNS)	0.224		0.20	0.070
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.207		0.20	0.050
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	0.181	J	0.20	0.060
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.477		0.40	0.10
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.452		0.40	0.13
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.439		0.40	0.13
754-91-6	Perfluorooctanesulfonamide (PFOSA)	0.261		0.20	0.090
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	0.263		0.20	0.090
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.223		0.20	0.10

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: LLCS 410-673310/3-A

Matrix: Solid
Lab File ID: 25Jul18S-51.d

Analysis Method: 1633A
Date Collected:

Extraction Method: 1633A Shake
Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.00(g)
Date Analyzed: 07/19/2025 07:12

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture:
% Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475
Units: ng/g

Preparation Batch No.: 673310
Instrument ID: 30571

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.221		0.20	0.080
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.241		0.20	0.11
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.31		1.0	0.30
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.27		1.0	0.30
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.164	J	0.20	0.11
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.217		0.20	0.060
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	0.234		0.20	0.070
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	0.227		0.20	0.050
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.241		0.20	0.070
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	0.210		0.20	0.090
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	0.198	J	0.20	0.080
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.197	J	0.20	0.050
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.458		0.40	0.20
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.01		1.0	0.50
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.859	J	1.0	0.40

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: LLCS 410-673310/3-A

Matrix: Solid
Lab File ID: 25Jul18S-51.d

Analysis Method: 1633A
Date Collected:

Extraction Method: 1633A Shake
Date Extracted: 07/18/2025 14:16

Sample wt/vol: 2.00(g)
Date Analyzed: 07/19/2025 07:12

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 673475
Units: ng/g

Preparation Batch No.: 673310
Instrument ID: 30571

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	115		8-130
STL01893	13C5 PFPeA	123		35-130
STL02577	13C5 PFHxA	122		40-130
STL01892	13C4 PFHpA	113		40-130
STL01052	13C8 PFOA	116		40-130
STL02578	13C9 PFNA	109		40-130
STL02579	13C6 PFDA	110		40-130
STL02580	13C7 PFUnA	117		40-130
STL02116	13C2 PFTeDA	104		20-130
STL02337	13C3 PFBS	114		40-135
STL02581	13C3 PFHxS	111		40-130
STL01054	13C8 PFOS	111		40-130
STL01056	13C8 FOSA	99.0		40-130
STL02118	d3-NMeFOSAA	106		40-135
STL02117	d5-NEtFOSAA	93.8		40-150
STL02395	13C2 4:2 FTS	120		40-165
STL02279	13C2 6:2 FTS	124		40-215
STL02280	13C2 8:2 FTS	117		40-275
STL02255	13C3 HFPO-DA	119		40-130
STL02277	d7-N-MeFOSE-M	69.6		20-130
STL02278	d9-N-EtFOSE-M	59.2		15-130
STL02704	d5-NEtPFOSA	70.1		10-130
STL02705	d3-NMePFOSA	70.4		10-130
960315-52-0	13C2 PFDoA	116		40-130

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: LLCS 410-674050/3-A

Matrix: Solid
Lab File ID: 25JUL24-40.d

Analysis Method: 1633A
Date Collected:

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.00(g)
Date Analyzed: 07/25/2025 01:06

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.508		0.40	0.13
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.232		0.20	0.050
307-24-4	Perfluorohexanoic acid (PFHxA)	0.286		0.20	0.060
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.259		0.20	0.070
335-67-1	Perfluorooctanoic acid (PFOA)	0.256		0.20	0.060
375-95-1	Perfluorononanoic acid (PFNA)	0.221		0.20	0.060
335-76-2	Perfluorodecanoic acid (PFDA)	0.241		0.20	0.050
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.223		0.20	0.050
307-55-1	Perfluorododecanoic acid (PFDoA)	0.252		0.20	0.050
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	0.270		0.20	0.070
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	0.202		0.20	0.070
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.215		0.20	0.070
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	0.206		0.20	0.060
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.228		0.20	0.050
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.207		0.20	0.070
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.225		0.20	0.11
68259-12-1	Perfluorononanesulfonic acid (PFNS)	0.205		0.20	0.070
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.198	J	0.20	0.050
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	0.171	J	0.20	0.060
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.455		0.40	0.10
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.452		0.40	0.13
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.460		0.40	0.13
754-91-6	Perfluorooctanesulfonamide (PFOSA)	0.260		0.20	0.090
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	0.202		0.20	0.090
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.237		0.20	0.10

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: LLCS 410-674050/3-A

Matrix: Solid
Lab File ID: 25JUL24-40.d

Analysis Method: 1633A
Date Collected:

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.00(g)
Date Analyzed: 07/25/2025 01:06

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.208		0.20	0.080
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.249		0.20	0.11
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.14		1.0	0.30
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.14		1.0	0.30
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.187	J	0.20	0.11
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.227		0.20	0.060
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	0.233		0.20	0.070
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	0.228		0.20	0.050
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.243		0.20	0.070
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	0.211		0.20	0.090
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	0.206		0.20	0.080
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.192	J	0.20	0.050
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.362	J	0.40	0.20
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.968	J	1.0	0.50
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.02		1.0	0.40

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID:
Lab Sample ID: LLCS 410-674050/3-A

Matrix: Solid
Lab File ID: 25JUL24-40.d

Analysis Method: 1633A
Date Collected:

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.00(g)
Date Analyzed: 07/25/2025 01:06

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	57.3		8-130
STL01893	13C5 PFPeA	63.6		35-130
STL02577	13C5 PFHxA	56.5		40-130
STL01892	13C4 PFHpA	54.9		40-130
STL01052	13C8 PFOA	52.2		40-130
STL02578	13C9 PFNA	55.3		40-130
STL02579	13C6 PFDA	56.5		40-130
STL02580	13C7 PFUnA	70.8		40-130
STL02116	13C2 PFTeDA	59.7		20-130
STL02337	13C3 PFBS	53.8		40-135
STL02581	13C3 PFHxS	56.1		40-130
STL01054	13C8 PFOS	60.5		40-130
STL01056	13C8 FOSA	50.7		40-130
STL02118	d3-NMeFOSAA	64.3		40-135
STL02117	d5-NEtFOSAA	61.7		40-150
STL02395	13C2 4:2 FTS	54.3		40-165
STL02279	13C2 6:2 FTS	52.9		40-215
STL02280	13C2 8:2 FTS	54.7		40-275
STL02255	13C3 HFPO-DA	55.6		40-130
STL02277	d7-N-MeFOSE-M	46.0		20-130
STL02278	d9-N-EtFOSE-M	42.0		15-130
STL02704	d5-NEtPFOSA	46.3		10-130
STL02705	d3-NMePFOSA	47.0		10-130
960315-52-0	13C2 PFDoA	62.0		40-130

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-7'-8' MS Lab Sample ID: 480-231006-4 MS

Matrix: Solid Lab File ID: 25JUL24-55.d

Analysis Method: 1633A Date Collected: 07/09/2025 12:45

Extraction Method: 1633A Shake Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.28(g) Date Analyzed: 07/25/2025 04:30

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 7(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 10.4 % Solids: 89.6 GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863 Units: ng/g

Preparation Batch No.: 674050 Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	5.06		0.39	0.13
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.10		0.20	0.049
307-24-4	Perfluorohexanoic acid (PFHxA)	2.17		0.20	0.059
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.27		0.20	0.068
335-67-1	Perfluorooctanoic acid (PFOA)	2.28		0.20	0.059
375-95-1	Perfluorononanoic acid (PFNA)	2.32		0.20	0.059
335-76-2	Perfluorodecanoic acid (PFDA)	1.96		0.20	0.049
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.33		0.20	0.049
307-55-1	Perfluorododecanoic acid (PFDoA)	2.19		0.20	0.049
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	2.33		0.20	0.068
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	2.01		0.20	0.068
375-73-5	Perfluorobutanesulfonic acid (PFBS)	2.04		0.20	0.068
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	2.09		0.20	0.059
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.91		0.20	0.049
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.99		0.20	0.068
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	3.56		0.20	0.11
68259-12-1	Perfluorononanesulfonic acid (PFNS)	1.85		0.20	0.068
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.63		0.20	0.049
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1.32		0.20	0.059
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.48		0.39	0.098
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.66		0.39	0.13
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.45		0.39	0.13
754-91-6	Perfluorooctanesulfonamide (PFOSA)	2.46		0.20	0.088
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	2.19		0.20	0.088
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.31		0.20	0.098

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-7'-8' MS
Lab Sample ID: 480-231006-4 MS

Matrix: Solid
Lab File ID: 25JUL24-55.d

Analysis Method: 1633A
Date Collected: 07/09/2025 12:45

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.28(g)
Date Analyzed: 07/25/2025 04:30

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 10.4 % Solids: 89.6
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.98		0.20	0.078
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.31		0.20	0.11
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.5		0.98	0.29
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	11.9		0.98	0.29
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.83		0.20	0.11
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.11		0.20	0.059
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	2.24		0.20	0.068
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	2.18		0.20	0.049
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.31		0.20	0.068
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	1.74		0.20	0.088
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	1.66		0.20	0.078
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	1.69		0.20	0.049
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	4.05		0.39	0.20
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	10.0		0.98	0.49
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	9.31		0.98	0.39

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-7'-8' MS
Lab Sample ID: 480-231006-4 MS

Matrix: Solid
Lab File ID: 25JUL24-55.d

Analysis Method: 1633A
Date Collected: 07/09/2025 12:45

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.28(g)
Date Analyzed: 07/25/2025 04:30

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 10.4 % Solids: 89.6
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	76.9		8-130
STL01893	13C5 PFPeA	85.2		35-130
STL02577	13C5 PFHxA	82.8		40-130
STL01892	13C4 PFHpA	78.7		40-130
STL01052	13C8 PFOA	75.2		40-130
STL02578	13C9 PFNA	77.7		40-130
STL02579	13C6 PFDA	79.5		40-130
STL02580	13C7 PFUnA	83.6		40-130
STL02116	13C2 PFTeDA	68.4		20-130
STL02337	13C3 PFBS	76.1		40-135
STL02581	13C3 PFHxS	76.7		40-130
STL01054	13C8 PFOS	77.8		40-130
STL01056	13C8 FOSA	67.1		40-130
STL02118	d3-NMeFOSAA	78.0		40-135
STL02117	d5-NEtFOSAA	73.7		40-150
STL02395	13C2 4:2 FTS	74.9		40-165
STL02279	13C2 6:2 FTS	73.5		40-215
STL02280	13C2 8:2 FTS	72.6		40-275
STL02255	13C3 HFPO-DA	79.3		40-130
STL02277	d7-N-MeFOSE-M	36.1		20-130
STL02278	d9-N-EtFOSE-M	31.3		15-130
STL02704	d5-NEtPFOSA	54.7		10-130
STL02705	d3-NMePFOSA	63.7		10-130
960315-52-0	13C2 PFDoA	79.6		40-130

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-7'-8' MSD
Lab Sample ID: 480-231006-4 MSD

Matrix: Solid
Lab File ID: 25JUL24-56.d

Analysis Method: 1633A
Date Collected: 07/09/2025 12:45

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.24(g)
Date Analyzed: 07/25/2025 04:44

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 10.2 % Solids: 89.8
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	5.14		0.40	0.13
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.22		0.20	0.050
307-24-4	Perfluorohexanoic acid (PFHxA)	2.26		0.20	0.060
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.30		0.20	0.070
335-67-1	Perfluorooctanoic acid (PFOA)	2.42		0.20	0.060
375-95-1	Perfluorononanoic acid (PFNA)	2.12		0.20	0.060
335-76-2	Perfluorodecanoic acid (PFDA)	2.28		0.20	0.050
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.47		0.20	0.050
307-55-1	Perfluorododecanoic acid (PFDoA)	2.22		0.20	0.050
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	2.39		0.20	0.070
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	1.93		0.20	0.070
375-73-5	Perfluorobutanesulfonic acid (PFBS)	2.01		0.20	0.070
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	2.11		0.20	0.060
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.97		0.20	0.050
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	2.13		0.20	0.070
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.90		0.20	0.11
68259-12-1	Perfluorononanesulfonic acid (PFNS)	1.98		0.20	0.070
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.71		0.20	0.050
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1.44		0.20	0.060
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.59		0.40	0.099
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.55		0.40	0.13
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.69		0.40	0.13
754-91-6	Perfluorooctanesulfonamide (PFOSA)	2.55		0.20	0.089
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	2.21		0.20	0.089
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.38		0.20	0.099

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-7'-8' MSD
Lab Sample ID: 480-231006-4 MSD

Matrix: Solid
Lab File ID: 25JUL24-56.d

Analysis Method: 1633A
Date Collected: 07/09/2025 12:45

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.24(g)
Date Analyzed: 07/25/2025 04:44

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 10.2 % Solids: 89.8
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.91		0.20	0.080
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.24		0.20	0.11
24448-09-7	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	13.1		0.99	0.30
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.2		0.99	0.30
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.83		0.20	0.11
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.16		0.20	0.060
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	2.33		0.20	0.070
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	2.26		0.20	0.050
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.45		0.20	0.070
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	1.90		0.20	0.089
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	1.80		0.20	0.080
113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	1.81		0.20	0.050
356-02-5	3-Perfluoropropylpropanoic acid (3:3 FTCA)	4.14		0.40	0.20
914637-49-3	3-Perfluoropentylpropanoic acid (5:3 FTCA)	10.0		0.99	0.50
812-70-4	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	10.2		0.99	0.40

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231006-1

SDG No.:

Client Sample ID: SB1-7'-8' MSD
Lab Sample ID: 480-231006-4 MSD

Matrix: Solid
Lab File ID: 25JUL24-56.d

Analysis Method: 1633A
Date Collected: 07/09/2025 12:45

Extraction Method: 1633A Shake
Date Extracted: 07/21/2025 14:12

Sample wt/vol: 2.24(g)
Date Analyzed: 07/25/2025 04:44

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: 10.2 % Solids: 89.8
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 675863
Units: ng/g

Preparation Batch No.: 674050
Instrument ID: 30569

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	83.3		8-130
STL01893	13C5 PFPeA	93.5		35-130
STL02577	13C5 PFHxA	91.9		40-130
STL01892	13C4 PFHpA	89.1		40-130
STL01052	13C8 PFOA	87.9		40-130
STL02578	13C9 PFNA	87.4		40-130
STL02579	13C6 PFDA	83.1		40-130
STL02580	13C7 PFUnA	77.9		40-130
STL02116	13C2 PFTeDA	69.7		20-130
STL02337	13C3 PFBS	84.8		40-135
STL02581	13C3 PFHxS	83.4		40-130
STL01054	13C8 PFOS	77.9		40-130
STL01056	13C8 FOSA	77.3		40-130
STL02118	d3-NMeFOSAA	85.7		40-135
STL02117	d5-NEtFOSAA	80.8		40-150
STL02395	13C2 4:2 FTS	84.6		40-165
STL02279	13C2 6:2 FTS	83.3		40-215
STL02280	13C2 8:2 FTS	75.0		40-275
STL02255	13C3 HFPO-DA	86.9		40-130
STL02277	d7-N-MeFOSE-M	49.3		20-130
STL02278	d9-N-EtFOSE-M	41.3		15-130
STL02704	d5-NEtPFOSA	60.1		10-130
STL02705	d3-NMePFOSA	73.9		10-130
960315-52-0	13C2 PFDoA	74.1		40-130

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 30569 Start Date: 07/22/2025 14:48

Analysis Batch Number: 674647 End Date: 07/22/2025 17:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 410-674647/1		07/22/2025 14:48	1	25JUL22CAL-01.d	Gemini C18 50mm 3(mm)
IC 410-674647/2		07/22/2025 15:01	1	25JUL22CAL-02.d	Gemini C18 50mm 3(mm)
IC 410-674647/3		07/22/2025 15:15	1	25JUL22CAL-03.d	Gemini C18 50mm 3(mm)
IC 410-674647/4		07/22/2025 15:28	1	25JUL22CAL-04.d	Gemini C18 50mm 3(mm)
ICISAV 410-674647/5		07/22/2025 15:42	1	25JUL22CAL-05.d	Gemini C18 50mm 3(mm)
IC 410-674647/6		07/22/2025 15:56	1	25JUL22CAL-06.d	Gemini C18 50mm 3(mm)
IC 410-674647/7		07/22/2025 16:09	1	25JUL22CAL-07.d	Gemini C18 50mm 3(mm)
IC 410-674647/8		07/22/2025 16:23	1	25JUL22CAL-08.d	Gemini C18 50mm 3(mm)
ICB 410-674647/9		07/22/2025 16:36	1	25JUL22CAL-09.d	Gemini C18 50mm 3(mm)
ICV 410-674647/10		07/22/2025 16:50	1	25JUL22CAL-10.d	Gemini C18 50mm 3(mm)
WDM 410-674647/11		07/22/2025 17:04	1	25JUL22CAL-11.d	Gemini C18 50mm 3(mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 30569 Start Date: 07/24/2025 15:08

Analysis Batch Number: 675863 End Date: 07/25/2025 08:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVO 410-675863/1		07/24/2025 15:08	1	25JUL24-01.d	Gemini C18 50mm 3(mm)
CCV 410-675863/2		07/24/2025 15:49	1		Gemini C18 50mm 3(mm)
CCB 410-675863/3		07/24/2025 16:03	1		Gemini C18 50mm 3(mm)
WDM 410-675863/4		07/24/2025 16:16	1	25JUL24-04.d	Gemini C18 50mm 3(mm)
CCV 410-675863/32		07/24/2025 18:46	1		Gemini C18 50mm 3(mm)
CCB 410-675863/33		07/24/2025 18:59	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/24/2025 21:02	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/24/2025 21:15	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/24/2025 21:29	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/24/2025 21:42	1		Gemini C18 50mm 3(mm)
CCV 410-675863/34		07/24/2025 22:10	1		Gemini C18 50mm 3(mm)
CCB 410-675863/35		07/24/2025 22:23	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/24/2025 22:37	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/24/2025 22:50	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/24/2025 23:04	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/24/2025 23:18	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/24/2025 23:31	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/24/2025 23:45	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/24/2025 23:58	1		Gemini C18 50mm 3(mm)
CCV 410-675863/36		07/25/2025 00:12	1	25JUL24-36.d	Gemini C18 50mm 3(mm)
CCB 410-675863/37		07/25/2025 00:26	1	25JUL24-37.d	Gemini C18 50mm 3(mm)
MB 410-674050/1-A		07/25/2025 00:39	1	25JUL24-38.d	Gemini C18 50mm 3(mm)
LCS 410-674050/2-A		07/25/2025 00:53	1	25JUL24-39.d	Gemini C18 50mm 3(mm)
LLCS 410-674050/3-A		07/25/2025 01:06	1	25JUL24-40.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/25/2025 01:20	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/25/2025 01:33	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/25/2025 01:47	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/25/2025 02:01	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/25/2025 02:14	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/25/2025 02:28	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/25/2025 02:41	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/25/2025 02:55	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/25/2025 03:09	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/25/2025 03:22	1		Gemini C18 50mm 3(mm)
CCV 410-675863/70		07/25/2025 03:36	1	25JUL24-51.d	Gemini C18 50mm 3(mm)
CCB 410-675863/71		07/25/2025 03:49	1	25JUL24-52.d	Gemini C18 50mm 3(mm)
480-231006-2	SB1-18"-30"	07/25/2025 04:03	1	25JUL24-53.d	Gemini C18 50mm 3(mm)
480-231006-4	SB1-7'-8'	07/25/2025 04:17	1	25JUL24-54.d	Gemini C18 50mm 3(mm)
480-231006-4 MS	SB1-7'-8' MS	07/25/2025 04:30	1	25JUL24-55.d	Gemini C18 50mm 3(mm)
480-231006-4 MSD	SB1-7'-8' MSD	07/25/2025 04:44	1	25JUL24-56.d	Gemini C18 50mm 3(mm)
480-231006-7	SB2-12"-18"	07/25/2025 04:57	1	25JUL24-57.d	Gemini C18 50mm 3(mm)
480-231006-8	SB2-12"-18" DUP	07/25/2025 05:11	1	25JUL24-58.d	Gemini C18 50mm 3(mm)
480-231006-11	SB2-24"-36"	07/25/2025 05:24	1	25JUL24-59.d	Gemini C18 50mm 3(mm)
480-231006-13	SB2-9'-10'	07/25/2025 05:38	1	25JUL24-60.d	Gemini C18 50mm 3(mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 30569 Start Date: 07/24/2025 15:08

Analysis Batch Number: 675863 End Date: 07/25/2025 08:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ (Client)		07/25/2025 05:52	1		Gemini C18 50mm 3(mm)
CCV 410-675863/72		07/25/2025 06:05	1		Gemini C18 50mm 3(mm)
CCB 410-675863/73		07/25/2025 06:19	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/25/2025 06:32	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/25/2025 06:46	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/25/2025 07:00	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/25/2025 07:13	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/25/2025 07:27	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/25/2025 07:40	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/25/2025 07:54	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/25/2025 08:07	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/25/2025 08:21	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/25/2025 08:35	1		Gemini C18 50mm 3(mm)

bracketing CCV and CCB not included in orig package - included in Rev(2)

1633A

not associated with any samples

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 30571 Start Date: 07/14/2025 14:19

Analysis Batch Number: 671013 End Date: 07/14/2025 16:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 410-671013/2		07/14/2025 14:19	1	25Jul14-901.d	Gemini C18 50mm 3(mm)
IC 410-671013/3		07/14/2025 14:32	1	25Jul14-902.d	Gemini C18 50mm 3(mm)
IC 410-671013/4		07/14/2025 14:46	1	25Jul14-903.d	Gemini C18 50mm 3(mm)
ICISAV 410-671013/5		07/14/2025 15:00	1	25Jul14-904.d	Gemini C18 50mm 3(mm)
IC 410-671013/6		07/14/2025 15:13	1	25Jul14-905.d	Gemini C18 50mm 3(mm)
IC 410-671013/7		07/14/2025 15:27	1	25Jul14-906.d	Gemini C18 50mm 3(mm)
IC 410-671013/8		07/14/2025 15:40	1	25Jul14-907.d	Gemini C18 50mm 3(mm)
ICB 410-671013/9		07/14/2025 15:54	1	25Jul14-908.d	Gemini C18 50mm 3(mm)
IC 410-671013/1		07/14/2025 16:07	1	25Jul14-909.d	Gemini C18 50mm 3(mm)
ICV 410-671013/10		07/14/2025 16:21	1	25Jul14-910.d	Gemini C18 50mm 3(mm)
WDM 410-671013/11		07/14/2025 16:35	1	25Jul14-911.d	Gemini C18 50mm 3(mm)

not associated with any samples

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 480-231006-1

SDG No.:

Instrument ID: 30571

Start Date: 07/15/2025 07:59

Analysis Batch Number: 671236

End Date: 07/16/2025 05:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVO 410-671236/1		07/15/2025 07:59	1	25Jul15-510.d	Gemini C18 50mm 3(mm)
CCV 410-671236/2		07/15/2025 08:13	1		Gemini C18 50mm 3(mm)
CCB 410-671236/3		07/15/2025 08:26	1		Gemini C18 50mm 3(mm)
WDM 410-671236/4		07/15/2025 08:40	1	25Jul15-513.d	Gemini C18 50mm 3(mm)
CCV 410-671236/70		07/15/2025 12:04	1		Gemini C18 50mm 3(mm)
CCB 410-671236/71		07/15/2025 12:18	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 13:53	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 14:06	1		Gemini C18 50mm 3(mm)
CCV 410-671236/81		07/15/2025 15:14	1	25Jul15-45.d	Gemini C18 50mm 3(mm)
CCB 410-671236/82		07/15/2025 15:28	1	25Jul15-46.d	Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 16:36	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 16:50	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 17:03	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 17:17	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 17:30	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 17:44	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 17:58	1		Gemini C18 50mm 3(mm)
LCS 410-671022/5-A		07/15/2025 18:11	1	25Jul15S-08.d	Gemini C18 50mm 3(mm)
LCSD 410-671022/6-A		07/15/2025 18:25	1	25Jul15S-09.d	Gemini C18 50mm 3(mm)
LLCS 410-671022/7-A		07/15/2025 18:39	1	25Jul15S-10.d	Gemini C18 50mm 3(mm)
CCV 410-671236/92		07/15/2025 19:33	1	25Jul15Sx-11.d	Gemini C18 50mm 3(mm)
CCB 410-671236/93		07/15/2025 19:46	1	25Jul15Sx-12.d	Gemini C18 50mm 3(mm)
CCV 410-671236/129		07/16/2025 02:34	1		Gemini C18 50mm 3(mm)
CCB 410-671236/130		07/16/2025 02:48	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/16/2025 03:02	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/16/2025 03:15	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/16/2025 03:29	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/16/2025 03:42	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/16/2025 03:56	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/16/2025 04:10	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/16/2025 04:23	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/16/2025 04:37	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/16/2025 04:51	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/16/2025 05:04	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/16/2025 05:18	1		Gemini C18 50mm 3(mm)
CCV 410-671236/142		07/16/2025 05:31	1		Gemini C18 50mm 3(mm)
CCB 410-671236/143		07/16/2025 05:45	1		Gemini C18 50mm 3(mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 30571 Start Date: 07/18/2025 13:18

Analysis Batch Number: 673272 End Date: 07/18/2025 17:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 410-673272/2		07/18/2025 13:18	1	25Jul18-901.d	Gemini C18 50mm 3(mm)
IC 410-673272/3		07/18/2025 13:32	1	25Jul18-902.d	Gemini C18 50mm 3(mm)
ICISAV 410-673272/5		07/18/2025 13:59	1	25Jul18-904.d	Gemini C18 50mm 3(mm)
IC 410-673272/6		07/18/2025 14:13	1	25Jul18-905.d	Gemini C18 50mm 3(mm)
IC 410-673272/7		07/18/2025 14:26	1	25Jul18-906.d	Gemini C18 50mm 3(mm)
IC 410-673272/8		07/18/2025 14:40	1	25Jul18-907.d	Gemini C18 50mm 3(mm)
ICB 410-673272/9		07/18/2025 14:53	1	25Jul18-908.d	Gemini C18 50mm 3(mm)
WDM 410-673272/11		07/18/2025 15:21	1	25Jul18-910.d	Gemini C18 50mm 3(mm)
IC 410-673272/1		07/18/2025 16:29	1	25Jul18-915.d	Gemini C18 50mm 3(mm)
IC 410-673272/4		07/18/2025 17:37	1	25Jul18-919.d	Gemini C18 50mm 3(mm)
ICV 410-673272/10		07/18/2025 17:50	1	25Jul18-920.d	Gemini C18 50mm 3(mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 30571 Start Date: 07/18/2025 18:04

Analysis Batch Number: 673475 End Date: 07/19/2025 22:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVO 410-673475/12		07/18/2025 18:04	1	25Jul18-921.d	Gemini C18 50mm 3(mm)
CCV 410-673475/13		07/18/2025 18:18	1		Gemini C18 50mm 3(mm)
CCB 410-673475/14		07/18/2025 18:31	1		Gemini C18 50mm 3(mm)
WDM 410-673475/15		07/18/2025 18:45	1	25Jul18-924.d	Gemini C18 50mm 3(mm)
CCV 410-673475/40		07/18/2025 23:03	1		Gemini C18 50mm 3(mm)
CCB 410-673475/41		07/18/2025 23:16	1		Gemini C18 50mm 3(mm)
CCV 410-673475/42		07/19/2025 01:46	1		Gemini C18 50mm 3(mm)
CCB 410-673475/43		07/19/2025 01:59	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/19/2025 02:13	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/19/2025 02:27	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/19/2025 02:40	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 02:54	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 03:21	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 03:34	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 03:48	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 04:02	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 04:15	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 04:29	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/19/2025 04:42	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/19/2025 04:56	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 05:10	1		Gemini C18 50mm 3(mm)
CCV 410-673475/62		07/19/2025 05:37	1	25Jul18S-44.d	Gemini C18 50mm 3(mm)
CCB 410-673475/63		07/19/2025 05:50	1	25Jul18S-45.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 06:17	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 06:31	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/19/2025 06:45	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/19/2025 06:58	1		Gemini C18 50mm 3(mm)
LLCS 410-673310/3-A		07/19/2025 07:12	1	25Jul18S-51.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 07:26	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 07:39	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 07:53	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 08:06	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/19/2025 08:20	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/19/2025 08:33	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 08:47	1		Gemini C18 50mm 3(mm)
CCV 410-673475/78		07/19/2025 09:01	1	25Jul18S-59.d	Gemini C18 50mm 3(mm)
CCB 410-673475/79		07/19/2025 09:14	1	25Jul18S-60.d	Gemini C18 50mm 3(mm)
480-231006-1	SB1-12"-18"	07/19/2025 09:28	1	25Jul18S-61.d	Gemini C18 50mm 3(mm)
480-231006-3	SB1-12'-48"	07/19/2025 09:41	1	25Jul18S-62.d	Gemini C18 50mm 3(mm)
480-231006-5	SB1-5'-8'	07/19/2025 09:55	1	25Jul18S-63.d	Gemini C18 50mm 3(mm)
480-231006-12	SB2-12"-5'	07/19/2025 10:09	1	25Jul18S-64.d	Gemini C18 50mm 3(mm)
CCV 410-673475/80		07/19/2025 10:22	1	25Jul18S-65.d	Gemini C18 50mm 3(mm)
CCB 410-673475/81		07/19/2025 10:36	1	25Jul18S-66.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 11:03	1		Gemini C18 50mm 3(mm)

1633A

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 30571 Start Date: 07/18/2025 18:04

Analysis Batch Number: 673475 End Date: 07/19/2025 22:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ (Client)		07/19/2025 11:17	1		Gemini C18 50mm 3(mm)
CCV 410-673475/84		07/19/2025 11:30	1		Gemini C18 50mm 3(mm)
CCB 410-673475/85		07/19/2025 11:44	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/19/2025 14:02	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/19/2025 14:16	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/19/2025 14:29	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/19/2025 14:43	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 14:57	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 15:10	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 15:24	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 15:37	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 15:51	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 16:04	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 16:18	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 16:32	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 16:45	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 16:59	1		Gemini C18 50mm 3(mm)
CCV 410-673475/108		07/19/2025 17:12	1		Gemini C18 50mm 3(mm)
CCB 410-673475/109		07/19/2025 17:26	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 17:40	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 17:53	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 18:07	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 18:20	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 18:34	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 18:48	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 19:01	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 19:15	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/19/2025 19:28	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/19/2025 19:42	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/19/2025 19:55	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/19/2025 20:09	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 20:23	1		Gemini C18 50mm 3(mm)
CCV 410-673475/115		07/19/2025 20:36	1		Gemini C18 50mm 3(mm)
CCB 410-673475/116		07/19/2025 20:50	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/19/2025 21:03	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/19/2025 21:17	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/19/2025 21:30	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/19/2025 21:44	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 21:58	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/19/2025 22:11	1		Gemini C18 50mm 3(mm)
CCV 410-673475/123		07/19/2025 22:25	1		Gemini C18 50mm 3(mm)
CCB 410-673475/124		07/19/2025 22:38	1		Gemini C18 50mm 3(mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 30571 Start Date: 07/21/2025 09:35

Analysis Batch Number: 673901 End Date: 07/22/2025 03:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVO 410-673901/1		07/21/2025 09:35	1	25Jul21-609.d	Gemini C18 50mm 3(mm)
CCV 410-673901/2		07/21/2025 10:02	1	25Jul21-610.d	Gemini C18 50mm 3(mm)
CCB 410-673901/3		07/21/2025 10:16	1	25Jul21-611.d	Gemini C18 50mm 3(mm)
WDM 410-673901/4		07/21/2025 10:30	1	25Jul21-612.d	Gemini C18 50mm 3(mm)
MB 410-673310/1-A		07/21/2025 10:43	1	25Jul21-20.d	Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/21/2025 11:10	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/21/2025 11:38	1		Gemini C18 50mm 3(mm)
CCV 410-673901/135		07/21/2025 12:34	1	25Jul21-41a.d	Gemini C18 50mm 3(mm)
CCB 410-673901/136		07/21/2025 12:48	1	25Jul21-42a.d	Gemini C18 50mm 3(mm)
CCV 410-673901/137		07/21/2025 16:11	1	25Jul21-41.d	Gemini C18 50mm 3(mm)
CCB 410-673901/138		07/21/2025 16:25	1	25Jul21-42.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/21/2025 16:38	1		Gemini C18 50mm 3(mm)
LCS 410-673310/2-A		07/21/2025 18:54	1	25Jul21-5400.d	Gemini C18 50mm 3(mm)
CCV 410-673901/148		07/21/2025 19:08	1	25Jul21-52.d	Gemini C18 50mm 3(mm)
CCB 410-673901/149		07/21/2025 19:22	1	25Jul21-53.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/21/2025 19:35	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/21/2025 19:49	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/21/2025 20:02	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/21/2025 20:16	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/21/2025 20:30	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/21/2025 20:43	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/21/2025 20:57	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/21/2025 21:10	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/21/2025 21:24	1		Gemini C18 50mm 3(mm)
CCV 410-673901/160		07/21/2025 21:38	1		Gemini C18 50mm 3(mm)
CCB 410-673901/161		07/21/2025 21:51	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/21/2025 22:05	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/21/2025 22:18	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/21/2025 22:32	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/21/2025 22:45	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/21/2025 22:59	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/21/2025 23:13	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/21/2025 23:26	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/21/2025 23:40	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/21/2025 23:53	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/22/2025 00:07	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/22/2025 00:21	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/22/2025 00:34	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/22/2025 00:48	1		Gemini C18 50mm 3(mm)
CCV 410-673901/175		07/22/2025 01:01	1		Gemini C18 50mm 3(mm)
CCB 410-673901/176		07/22/2025 01:15	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/22/2025 01:29	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/22/2025 01:42	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/22/2025 01:56	1		Gemini C18 50mm 3(mm)

1633A

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 30571 Start Date: 07/21/2025 09:35

Analysis Batch Number: 673901 End Date: 07/22/2025 03:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ (Client)		07/22/2025 02:09	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/22/2025 02:23	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/22/2025 02:37	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/22/2025 02:50	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/22/2025 03:04	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/22/2025 03:17	1		Gemini C18 50mm 3(mm)
CCV 410-673901/186		07/22/2025 03:31	1		Gemini C18 50mm 3(mm)
CCB 410-673901/187		07/22/2025 03:45	1		Gemini C18 50mm 3(mm)

PFAS ANALYSIS RUN LOG

associated rinse blank only, no eval

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 480-231006-1

SDG No.:

Instrument ID: 30575

Start Date: 07/08/2025 18:13

Analysis Batch Number: 668407

End Date: 07/08/2025 20:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 410-668407/1		07/08/2025 18:13	1	25Jul08CAL-01.d	Gemini C18 50mm 3(mm)
IC 410-668407/2		07/08/2025 18:27	1	25Jul08CAL-02.d	Gemini C18 50mm 3(mm)
IC 410-668407/3		07/08/2025 18:40	1	25Jul08CAL-03.d	Gemini C18 50mm 3(mm)
IC 410-668407/4		07/08/2025 18:54	1	25Jul08CAL-04.d	Gemini C18 50mm 3(mm)
ICISAV 410-668407/5		07/08/2025 19:08	1	25Jul08CAL-05.d	Gemini C18 50mm 3(mm)
IC 410-668407/6		07/08/2025 19:21	1	25Jul08CAL-06.d	Gemini C18 50mm 3(mm)
IC 410-668407/7		07/08/2025 19:35	1	25Jul08CAL-07.d	Gemini C18 50mm 3(mm)
IC 410-668407/8		07/08/2025 19:48	1	25Jul08CAL-08.d	Gemini C18 50mm 3(mm)
ICB 410-668407/9		07/08/2025 20:02	1	25Jul08CAL-09.d	Gemini C18 50mm 3(mm)
ICV 410-668407/10		07/08/2025 20:16	1	25Jul08CAL-10.d	Gemini C18 50mm 3(mm)
WDM 410-668407/11		07/08/2025 20:29	1	25Jul08CAL-11.d	Gemini C18 50mm 3(mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 30575 Start Date: 07/13/2025 08:49

Analysis Batch Number: 670538 End Date: 07/15/2025 19:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVO 410-670538/1		07/13/2025 08:49	1		Gemini C18 50mm 3(mm)
CCV 410-670538/2		07/13/2025 09:03	1		Gemini C18 50mm 3(mm)
CCB 410-670538/3		07/13/2025 09:17	1		Gemini C18 50mm 3(mm)
WDM 410-670538/4		07/13/2025 09:30	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 13:35	1		Gemini C18 50mm 3(mm)
CCV 410-670538/161		07/13/2025 15:37	1		Gemini C18 50mm 3(mm)
CCB 410-670538/162		07/13/2025 15:51	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/13/2025 16:04	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/13/2025 16:18	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/13/2025 16:32	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 16:45	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 16:59	10		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 17:12	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 17:26	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 17:40	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 17:53	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 18:07	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 18:20	10		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 18:34	10		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 18:48	1		Gemini C18 50mm 3(mm)
CCV 410-670538/176		07/13/2025 19:01	1		Gemini C18 50mm 3(mm)
CCB 410-670538/177		07/13/2025 19:15	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 19:28	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 19:42	10		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 19:55	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 20:09	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 20:23	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/13/2025 20:36	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/13/2025 20:50	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 21:04	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 21:17	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 21:31	10		Gemini C18 50mm 3(mm)
CCV 410-670538/188		07/13/2025 21:44	1		Gemini C18 50mm 3(mm)
CCB 410-670538/189		07/13/2025 21:58	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/13/2025 22:12	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/13/2025 22:25	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/13/2025 22:39	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 22:52	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 23:06	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 23:20	10		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 23:33	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/13/2025 23:47	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 00:00	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 00:14	1		Gemini C18 50mm 3(mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 30575 Start Date: 07/13/2025 08:49

Analysis Batch Number: 670538 End Date: 07/15/2025 19:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ (Client)		07/14/2025 00:27	10		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/14/2025 00:41	10		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/14/2025 00:55	10		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 01:08	10		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 01:22	10		Gemini C18 50mm 3(mm)
CCV 410-670538/205		07/14/2025 01:35	1		Gemini C18 50mm 3(mm)
CCB 410-670538/206		07/14/2025 01:49	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 02:03	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 02:16	10		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 02:30	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 02:44	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 02:57	1		Gemini C18 50mm 3(mm)
CCV 410-670538/212		07/14/2025 03:11	1		Gemini C18 50mm 3(mm)
CCB 410-670538/213		07/14/2025 03:24	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/14/2025 03:38	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/14/2025 03:52	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/14/2025 04:05	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/14/2025 04:19	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 04:32	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 04:46	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 05:00	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 05:13	10		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 05:27	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 05:40	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 05:54	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 06:08	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 06:21	1		Gemini C18 50mm 3(mm)
CCV 410-670538/228		07/14/2025 06:48	1		Gemini C18 50mm 3(mm)
CCB 410-670538/229		07/14/2025 07:02	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 07:15	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 07:29	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 07:43	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 07:56	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 08:10	10		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 08:23	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 08:37	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 08:51	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 09:04	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 09:18	10		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/14/2025 09:31	1		Gemini C18 50mm 3(mm)
CCV 410-670538/240		07/14/2025 09:59	1		Gemini C18 50mm 3(mm)
CCB 410-670538/241		07/14/2025 10:12	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/14/2025 10:26	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/14/2025 10:40	1		Gemini C18 50mm 3(mm)

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PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 30575 Start Date: 07/13/2025 08:49

Analysis Batch Number: 670538 End Date: 07/15/2025 19:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ (QC)		07/14/2025 10:53	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/14/2025 11:07	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 11:20	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 11:34	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 11:47	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 12:01	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 12:15	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 12:28	200		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 13:23	1		Gemini C18 50mm 3(mm)
CCV 410-670538/258		07/14/2025 13:36	1		Gemini C18 50mm 3(mm)
CCB 410-670538/259		07/14/2025 13:50	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/14/2025 14:03	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/14/2025 14:17	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/14/2025 14:31	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 14:44	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 14:58	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 15:11	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 15:25	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 15:39	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 15:52	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 16:06	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 16:19	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 16:33	1		Gemini C18 50mm 3(mm)
CCV 410-670538/272		07/14/2025 16:47	1		Gemini C18 50mm 3(mm)
CCB 410-670538/273		07/14/2025 17:00	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 17:14	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 17:27	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/14/2025 17:41	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/14/2025 17:55	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 18:08	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 18:22	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 18:35	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 18:49	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 19:03	100		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 19:16	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/14/2025 19:30	1		Gemini C18 50mm 3(mm)
CCV 410-670538/279		07/14/2025 19:43	1		Gemini C18 50mm 3(mm)
CCB 410-670538/280		07/14/2025 19:57	1		Gemini C18 50mm 3(mm)
WDM 410-670538/281		07/14/2025 20:38	1	25Jul14S-08.d	Gemini C18 50mm 3(mm)
CCVO 410-670538/282		07/14/2025 20:51	1	25Jul14S-09.d	Gemini C18 50mm 3(mm)
CCV 410-670538/308		07/15/2025 02:45	1		Gemini C18 50mm 3(mm)
CCB 410-670538/309		07/15/2025 02:58	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 03:12	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 03:26	1		Gemini C18 50mm 3(mm)

1633A

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 30575 Start Date: 07/13/2025 08:49

Analysis Batch Number: 670538 End Date: 07/15/2025 19:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ (QC)		07/15/2025 03:39	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 03:53	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 04:06	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 04:20	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 04:34	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 04:47	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 05:01	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 05:14	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 05:28	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 05:42	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 05:55	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 06:09	1		Gemini C18 50mm 3(mm)
CCV 410-670538/340		07/15/2025 06:22	1		Gemini C18 50mm 3(mm)
CCB 410-670538/341		07/15/2025 06:36	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 06:50	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 07:03	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 07:17	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 07:30	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 07:44	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 07:58	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 08:11	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 08:25	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 08:38	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 08:52	1		Gemini C18 50mm 3(mm)
CCV 410-670538/342		07/15/2025 09:05	1		Gemini C18 50mm 3(mm)
CCB 410-670538/343		07/15/2025 09:19	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 09:33	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/15/2025 09:46	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 10:00	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 10:13	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 10:27	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/15/2025 10:41	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 10:54	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 11:08	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 11:21	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 11:35	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 11:49	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 12:02	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 12:16	1		Gemini C18 50mm 3(mm)
CCV 410-670538/357		07/15/2025 12:29	1		Gemini C18 50mm 3(mm)
CCB 410-670538/358		07/15/2025 12:43	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 12:57	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/15/2025 13:24	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 13:37	1		Gemini C18 50mm 3(mm)

1633A

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: 30575 Start Date: 07/13/2025 08:49

Analysis Batch Number: 670538 End Date: 07/15/2025 19:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ (Client)		07/15/2025 13:51	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 14:05	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 14:18	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 14:32	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 14:45	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 14:59	1		Gemini C18 50mm 3(mm)
CCV 410-670538/369		07/15/2025 15:13	1	25Jul15-45.d	Gemini C18 50mm 3(mm)
CCB 410-670538/370		07/15/2025 15:26	1	25Jul15-46.d	Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 15:40	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 15:53	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 16:07	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		07/15/2025 16:22	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 16:36	1		Gemini C18 50mm 3(mm)
MB 410-671022/4-A		07/15/2025 16:50	1	25Jul15-52.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 17:44	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		07/15/2025 17:58	1		Gemini C18 50mm 3(mm)
480-231006-6	RINSATE	07/15/2025 18:11	1	25Jul15-58.d	Gemini C18 50mm 3(mm)
CCV 410-670538/383		07/15/2025 19:19	1	25Jul15-59.d	Gemini C18 50mm 3(mm)
CCB 410-670538/384		07/15/2025 19:33	1	25Jul15-60.d	Gemini C18 50mm 3(mm)

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 668407 Batch Start Date: 07/08/25 18:13 Batch Analyst: Drury, Sydney

Batch Method: 1633A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_CAL1 00053	1633_125_CAL2 00025	1633_125_CAL3 00025	1633_125_CAL4 00050	1633_125_CAL5 00026	1633_125_CAL6 00026
IC 410-668407/1		1633A			1 mL					
IC 410-668407/2		1633A				1 mL				
IC 410-668407/3		1633A					1 mL			
IC 410-668407/4		1633A						1 mL		
ICISAV 410-668407/5		1633A							1 mL	
IC 410-668407/6		1633A								1 mL
IC 410-668407/7		1633A								
IC 410-668407/8		1633A								
ICB 410-668407/9		1633A								
ICV 410-668407/10		1633A								
WDM 410-668407/11		1633A								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_CAL7 00026	1633_125_CAL8 00023	1633_125_ICV 00020	1633_125_IS_V 00357	1633_125_SS 00140	1633_125_WDM 00013
IC 410-668407/1		1633A								
IC 410-668407/2		1633A								
IC 410-668407/3		1633A								
IC 410-668407/4		1633A								
ICISAV 410-668407/5		1633A								
IC 410-668407/6		1633A								
IC 410-668407/7		1633A			1 mL					
IC 410-668407/8		1633A				1 mL				
ICB 410-668407/9		1633A						50 uL	5 uL	
ICV 410-668407/10		1633A					1 mL			
WDM 410-668407/11		1633A								1 mL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 668407 Batch Start Date: 07/08/25 18:13 Batch Analyst: Drury, Sydney

Batch Method: 1633A Batch End Date:

Batch Notes	
Mobile Phase ID	41592070725033A/25E0761018

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 671013 Batch Start Date: 07/14/25 14:19 Batch Analyst: Drury, Sydney

Batch Method: 1633A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_CAL1 00049	1633_125_CAL2 00024	1633_125_CAL3 00024	1633_125_CAL4 00048	1633_125_CAL5 00025	1633_125_CAL6 00025
IC 410-671013/1		1633A			1 mL					
IC 410-671013/2		1633A				1 mL				
IC 410-671013/3		1633A					1 mL			
IC 410-671013/4		1633A						1 mL		
ICISAV 410-671013/5		1633A							1 mL	
IC 410-671013/6		1633A								1 mL
IC 410-671013/7		1633A								
IC 410-671013/8		1633A								
ICB 410-671013/9		1633A								
ICV 410-671013/10		1633A								
WDM 410-671013/11		1633A								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_CAL7 00025	1633_125_CAL8 00022	1633_125_ICV 00019	1633_125_IS_V 00357	1633_125_SS 00127	1633_125_WDM 00013
IC 410-671013/1		1633A								
IC 410-671013/2		1633A								
IC 410-671013/3		1633A								
IC 410-671013/4		1633A								
ICISAV 410-671013/5		1633A								
IC 410-671013/6		1633A								
IC 410-671013/7		1633A			1 mL					
IC 410-671013/8		1633A				1 mL				
ICB 410-671013/9		1633A						50 uL	5 uL	
ICV 410-671013/10		1633A					1 mL			
WDM 410-671013/11		1633A								1 mL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 671013 Batch Start Date: 07/14/25 14:19 Batch Analyst: Drury, Sydney

Batch Method: 1633A Batch End Date:

Batch Notes	
Mobile Phase ID	41592070725033A/25E0761018

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 671022 Batch Start Date: 07/14/25 15:43 Batch Analyst: Holochuck, Carly

Batch Method: 1633A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GrossWeight	TareWeight	DensityAcc	InitialAmount	FinalAmount	ReceivedpH
480-231006-A-6	RINSATE	1633A, 1633A	Water	T	139.40 g	14.38 g	N/A	125 mL	5 mL	7.0 SU
MB 410-671022/4		1633A, 1633A			150 g	25 g	N/A	125 mL	5 mL	7.0 SU
LCS 410-671022/5		1633A, 1633A			150 g	25 g	N/A	125 mL	5 mL	7.0 SU
LCSD 410-671022/6		1633A, 1633A			150 g	25 g	N/A	125 mL	5 mL	7.0 SU
LLCS 410-671022/7		1633A, 1633A			150 g	25 g	N/A	125 mL	5 mL	7.0 SU

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	AdjustedpH	5%FormicAmt	CalcMsg	TSS Assessment	1633_125_MS_L 00100	1633_125_MS_M 00100
480-231006-A-6	RINSATE	1633A, 1633A	Water	T	6.0 SU	2 drops	OK	Yes		
MB 410-671022/4		1633A, 1633A			6.0 SU	1 drops	OK	Yes		
LCS 410-671022/5		1633A, 1633A			6.0 SU	1 drops	OK	Yes		50 uL
LCSD 410-671022/6		1633A, 1633A			6.0 SU	1 drops	OK	Yes		50 uL
LLCS 410-671022/7		1633A, 1633A			6.0 SU	1 drops	OK	Yes	40 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_SS 00148	AnalysisComment				
480-231006-A-6	RINSATE	1633A, 1633A	Water	T	25 uL	Sample arrived in a 250mL nonstandard container with a teflon cap and was subsampled into a 125mL bottle.				
MB 410-671022/4		1633A, 1633A			25 uL	PC 33, Port 4.				
LCS 410-671022/5		1633A, 1633A			25 uL					
LCSD 410-671022/6		1633A, 1633A			25 uL					
LLCS 410-671022/7		1633A, 1633A			25 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 671022 Batch Start Date: 07/14/25 15:43 Batch Analyst: Holochuck, Carly

Batch Method: 1633A Batch End Date:

Batch Notes	
95:5 Methanol Milli-Q Water ID	10194207102533B
Extraction Filter ID #	2410300501
pH Indicator ID	20BDH49241
Manifold ID	PC 33
SPE Cartridge Type	WAX 200 mg
SPE Cartridge Lot ID	S25-002570
Balance ID	C448142537
Balance is Level? (Y/N)	Y
Pipette/Syringe/Dispenser ID	PFAS 16, 17
Transfer Pipette Lot #	25150439
Methanol ID	250546
H2O ID	House A372
Solvent Name	1% NH4OH:MeOH
Solvent Lot #	10664106242533A
Rinse Solvent Name	30:70 MeOH:MQ
Rinse Solvent Lot	1019420712533A
Acid used for pH adjustment	5% Formic Acid
Acid Used for pH Adjustment ID	10774106192533D
5% Formic Acid Reagent ID	10774106192533D
SPE Cartridge Conditioner #1 ID	10194207102533A
SPE Cartridge Conditioner #2 ID	10664107082533A
Analyst ID - Reagent Drop	CJH 106641
Analyst ID - Reagent Drop Witness	ZE 101942
Analyst ID - IS Reagent Drop	CJH 106641
Centrifuge Tube ID	20250221-058
QC Bottle Lot ID	0405701K
Carbon ID	H00662
Pipette ID	P1000-4
Vial Lot Number	8000052145

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 671022 Batch Start Date: 07/14/25 15:43 Batch Analyst: Holochuck, Carly

Batch Method: 1633A Batch End Date:

Caps	00362149
Tube Check	ZE 101942
P1000 Tip ID	5G0131Y
Column Fully Dried After Loading?	Y
Column Fully Dried Before Elution?	Y
Analyst ID - Label Check	ZE 101942
Batch Comment	Vialed @ 20:50 7/14/25 CJH 106641; Stored on tray 42C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 673272 Batch Start Date: 07/18/25 13:18 Batch Analyst: Drury, Sydney

Batch Method: 1633A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_CAL1 00049	1633_125_CAL2 00024	1633_125_CAL3 00024	1633_125_CAL4 00048	1633_125_CAL5 00025	1633_125_CAL6 00025
IC 410-673272/1		1633A			1 mL					
IC 410-673272/2		1633A				1 mL				
IC 410-673272/3		1633A					1 mL			
IC 410-673272/4		1633A						1 mL		
ICISAV 410-673272/5		1633A							1 mL	
IC 410-673272/6		1633A								1 mL
IC 410-673272/7		1633A								
IC 410-673272/8		1633A								
ICB 410-673272/9		1633A								
ICV 410-673272/10		1633A								
WDM 410-673272/11		1633A								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_CAL7 00025	1633_125_CAL8 00022	1633_125_ICV 00019	1633_125_IS_V 00357	1633_125_SS 00127	1633_125_WDM 00013
IC 410-673272/1		1633A								
IC 410-673272/2		1633A								
IC 410-673272/3		1633A								
IC 410-673272/4		1633A								
ICISAV 410-673272/5		1633A								
IC 410-673272/6		1633A								
IC 410-673272/7		1633A			1 mL					
IC 410-673272/8		1633A				1 mL				
ICB 410-673272/9		1633A						50 uL	5 uL	
ICV 410-673272/10		1633A					1 mL			
WDM 410-673272/11		1633A								1 mL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 673272 Batch Start Date: 07/18/25 13:18 Batch Analyst: Drury, Sydney

Batch Method: 1633A Batch End Date:

Batch Notes	
Mobile Phase ID	41592070725033A/25E0761018

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 673310 Batch Start Date: 07/18/25 14:16 Batch Analyst: Weiser, Madeline

Batch Method: 1633A Shake Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ExtractpH	AdjustedpH	5%FormicAmt	50%FormicAmt
MB 410-673310/1		1633A Shake, 1633A			2.00 g	5 mL	10.0 SU	5.5 SU		3 drops
LCS 410-673310/2		1633A Shake, 1633A			2.00 g	5 mL	10.0 SU	5.5 SU		3 drops
LLCS 410-673310/3		1633A Shake, 1633A			2.00 g	5 mL	10.0 SU	5.5 SU		3 drops
480-231006-A-1	SB1-12"-18"	1633A Shake, 1633A	Solid	T	2.23 g	5 mL	10.0 SU	5.5 SU	3 drops	2 drops
480-231006-A-3	SB1-12'-48"	1633A Shake, 1633A	Solid	T	2.23 g	5 mL	10.0 SU	5.5 SU	3 drops	2 drops
480-231006-A-5	SB1-5'-8'	1633A Shake, 1633A	Solid	T	2.08 g	5 mL	10.0 SU	5.5 SU	3 drops	2 drops
480-231006-A-12	SB2-12"-5'	1633A Shake, 1633A	Solid	T	2.27 g	5 mL	10.0 SU	5.5 SU	2 drops	2 drops

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_MS_L 00100	1633_125_MS_M 00101	1633_125_SS 00147	AnalysisComment		
MB 410-673310/1		1633A Shake, 1633A					25 uL	PC 29 Port 3		
LCS 410-673310/2		1633A Shake, 1633A				50 uL	25 uL			
LLCS 410-673310/3		1633A Shake, 1633A			40 uL		25 uL			
480-231006-A-1	SB1-12"-18"	1633A Shake, 1633A	Solid	T			25 uL			
480-231006-A-3	SB1-12'-48"	1633A Shake, 1633A	Solid	T			25 uL			
480-231006-A-5	SB1-5'-8'	1633A Shake, 1633A	Solid	T			25 uL			
480-231006-A-12	SB2-12"-5'	1633A Shake, 1633A	Solid	T			25 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 673310 Batch Start Date: 07/18/25 14:16 Batch Analyst: Weiser, Madeline

Batch Method: 1633A Shake Batch End Date:

Batch Notes	
Balance ID	C411754765
Balance is Level? (Y/N)	Y
Pipette/Syringe/Dispenser ID	P10-12, P1000-4; PFAS 16,17
Pipette Tip Lot ID	N215383I, 5G0131Y
Transfer Pipette Lot #	25170405
Tube Lot ID	20250221-058
Analyst ID - Reagent Drop	MW103814
Analyst ID - Reagent Drop Witness	RC104130
Analyst ID - IS Reagent Drop	MW103814
Solvent Name	1% NH4OH:MeOH
Solvent Lot #	8221407082533B
Carbon ID	H00661
pH Indicator ID	20BDH49241
5% Formic Acid Reagent ID	9756506022533C
50% Formic Acid Reagent ID	37506302533A
Manifold ID	Promochroms 29,30
SPE Cartridge Type	200mg Wax
SPE Cartridge Lot ID	S25-002616
SPE Cartridge Conditioner #1 ID	10723807032533A
SPE Cartridge Conditioner #2 ID	10723807032533B
H2O ID	House A370
Rinse Solvent Name	30:70 MeOH:MQ
Rinse Solvent Lot	10303807142533A
Centrifuge Tube ID	20250221-058
QC Bottle Lot ID	0405701K
Blank Matrix ID	sand
Blank Matrix Lot	245883
Extraction Filter ID #	2410300501
Spatula ID #	GD240007

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 673310 Batch Start Date: 07/18/25 14:16 Batch Analyst: Weiser, Madeline

Batch Method: 1633A Shake Batch End Date:

Vial Lot Number	8000055613
Caps	00362149
Sonicator ID#	Sonicator F
Sonication Start Time	07/18/2025 16:12
Sonication Stop Time	07/18/2025 17:12
95:5 Methanol Milli-Q Water ID	10381407152533A
Tube Check	RC104130
0.4%potassium hydroxide in methanol lot#	10664107162533A
Analyst ID - Label Check	RC104130
Batch Comment	vialed 7/18/25 8:20pm MW103814, extracts stored in styrofoam tray

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 674050 Batch Start Date: 07/21/25 14:12 Batch Analyst: Weiser, Madeline

Batch Method: 1633A Shake Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ExtractpH	AdjustedpH	5%FormicAmt	50%FormicAmt
MB 410-674050/1		1633A Shake, 1633A			2.00 g	5 mL	10.0 SU	5.5 SU		3 drops
LCS 410-674050/2		1633A Shake, 1633A			2.00 g	5 mL	10.0 SU	5.5 SU		3 drops
LLCS 410-674050/3		1633A Shake, 1633A			2.00 g	5 mL	10.0 SU	5.5 SU		3 drops
480-231006-A-2	SB1-18"-30"	1633A Shake, 1633A	Solid	T	2.17 g	5 mL	10.0 SU	6.0 SU	2 drops	2 drops
480-231006-A-4	SB1-7'-8'	1633A Shake, 1633A	Solid	T	2.34 g	5 mL	10.0 SU	6.0 SU		2 drops
480-231006-A-4 MS	SB1-7'-8'	1633A Shake, 1633A	Solid	T	2.28 g	5 mL	10.0 SU	6.0 SU		2 drops
480-231006-A-4 MSD	SB1-7'-8'	1633A Shake, 1633A	Solid	T	2.24 g	5 mL	10.0 SU	6.0 SU		2 drops
480-231006-A-7	SB2-12"-18"	1633A Shake, 1633A	Solid	T	2.35 g	5 mL	10.0 SU	6.0 SU	1 drops	2 drops
480-231006-A-8	SB2-12"-18" DUP	1633A Shake, 1633A	Solid	T	2.26 g	5 mL	10.0 SU	5.5 SU		2 drops
480-231006-A-11	SB2-24"-36"	1633A Shake, 1633A	Solid	T	2.19 g	5 mL	10.0 SU	6.0 SU		2 drops
480-231006-A-13	SB2-9'-10'	1633A Shake, 1633A	Solid	T	2.28 g	5 mL	10.0 SU	6.0 SU		2 drops

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_MS_L 00101	1633_125_MS_M 00103	1633_125_SS 00149	AnalysisComment		
MB 410-674050/1		1633A Shake, 1633A					25 uL	PC 11 Port 3		
LCS 410-674050/2		1633A Shake, 1633A				50 uL	25 uL			
LLCS 410-674050/3		1633A Shake, 1633A			40 uL		25 uL			
480-231006-A-2	SB1-18"-30"	1633A Shake, 1633A	Solid	T			25 uL			
480-231006-A-4	SB1-7'-8'	1633A Shake, 1633A	Solid	T			25 uL			
480-231006-A-4 MS	SB1-7'-8'	1633A Shake, 1633A	Solid	T		50 uL	25 uL	water saturated		
480-231006-A-4 MSD	SB1-7'-8'	1633A Shake, 1633A	Solid	T		50 uL	25 uL			
480-231006-A-7	SB2-12"-18"	1633A Shake, 1633A	Solid	T			25 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 674050 Batch Start Date: 07/21/25 14:12 Batch Analyst: Weiser, Madeline

Batch Method: 1633A Shake Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_MS_L 00101	1633_125_MS_M 00103	1633_125_SS 00149	AnalysisComment		
480-231006-A-8	SB2-12"-18" DUP	1633A Shake, 1633A	Solid	T			25 uL			
480-231006-A-11	SB2-24"-36"	1633A Shake, 1633A	Solid	T			25 uL			
480-231006-A-13	SB2-9'-10'	1633A Shake, 1633A	Solid	T			25 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 674050 Batch Start Date: 07/21/25 14:12 Batch Analyst: Weiser, Madeline

Batch Method: 1633A Shake Batch End Date:

Batch Notes	
Balance ID	C411754766
Balance is Level? (Y/N)	Y
Pipette/Syringe/Dispenser ID	P10-12; PFAS 16,17
Pipette Tip Lot ID	N215383I
Transfer Pipette Lot #	25170405
Tube Lot ID	20250221-058
Analyst ID - Reagent Drop	MW103814
Analyst ID - Reagent Drop Witness	RC104130
Analyst ID - IS Reagent Drop	CR101123
Solvent Name	1% NH4OH:MeOH
Solvent Lot #	10381407182533B
Carbon ID	H00662
pH Indicator ID	20BDH49241
5% Formic Acid Reagent ID	9756506022533C
50% Formic Acid Reagent ID	37506302533A
Manifold ID	Promochroms 10,11,12
SPE Cartridge Type	200mg Wax
SPE Cartridge Lot ID	S25-002616
SPE Cartridge Conditioner #1 ID	10381407172533C
SPE Cartridge Conditioner #2 ID	10381407172533B
H2O ID	House A370
Rinse Solvent Name	30:70 MeOH:MQ
Rinse Solvent Lot	8221407192533A
Centrifuge Tube ID	20250221-058
QC Bottle Lot ID	0405701K
Blank Matrix ID	sand
Blank Matrix Lot	245883
Extraction Filter ID #	2410210501
Spatula ID #	GD240007

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 674050 Batch Start Date: 07/21/25 14:12 Batch Analyst: Weiser, Madeline

Batch Method: 1633A Shake Batch End Date:

Vial Lot Number	8000055613
Caps	00352149
Sonicator ID#	Sonicator F
Sonication Start Time	07/21/2025 15:56
Sonication Stop Time	07/21/2025 16:56
95:5 Methanol Milli-Q Water ID	10381407212533A
Tube Check	RC104130
0.4%potassium hydroxide in methanol lot#	10381407182533A
Analyst ID - Label Check	RC104130
Batch Comment	Samples in cooler 7/22/25 9:20pm

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 674647 Batch Start Date: 07/22/25 14:48 Batch Analyst: Dong, Ruopeng

Batch Method: 1633A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_CAL1 00053	1633_125_CAL2 00025	1633_125_CAL3 00025	1633_125_CAL4 00050	1633_125_CAL5 00026	1633_125_CAL6 00026
IC 410-674647/1		1633A			1 mL					
IC 410-674647/2		1633A				1 mL				
IC 410-674647/3		1633A					1 mL			
IC 410-674647/4		1633A						1 mL		
ICISAV 410-674647/5		1633A							1 mL	
IC 410-674647/6		1633A								1 mL
IC 410-674647/7		1633A								
IC 410-674647/8		1633A								
ICB 410-674647/9		1633A								
ICV 410-674647/10		1633A								
WDM 410-674647/11		1633A								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_CAL7 00026	1633_125_CAL8 00023	1633_125_ICV 00020	1633_125_IS_V 00357	1633_125_SS 00140	1633_125_WDM 00013
IC 410-674647/1		1633A								
IC 410-674647/2		1633A								
IC 410-674647/3		1633A								
IC 410-674647/4		1633A								
ICISAV 410-674647/5		1633A								
IC 410-674647/6		1633A								
IC 410-674647/7		1633A			1 mL					
IC 410-674647/8		1633A				1 mL				
ICB 410-674647/9		1633A						50 uL	5 uL	
ICV 410-674647/10		1633A					1 mL			
WDM 410-674647/11		1633A								1 mL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 674647 Batch Start Date: 07/22/25 14:48 Batch Analyst: Dong, Ruopeng

Batch Method: 1633A Batch End Date:

Batch Notes	
Mobile Phase ID	9271707222533B/25E0761018

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: Eurofins Buffalo Job Number: 480-231006-1

SDG No.:

Project: HPN HVAC Upgrades - JA257025

Client Sample ID	Lab Sample ID
SB1-12'-48"	480-231006-3
SB1-5'-8'	480-231006-5
SB2-12"-5'	480-231006-12
SB2-9'-10'	480-231006-14

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB1-12'-48" | Lab Sample ID: 480-231006-3

Lab Name: Eurofins Buffalo | Job No.: 480-231006-1

SDG ID.:

Matrix: Solid | Date Sampled: 07/09/2025 12:00

Reporting Basis: DRY | Date Received: 07/10/2025 14:30

Preparation Batch Number: 751886 | Instrument ID: ICAP3

% Solids: 94.0 >30%

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	18100	11.2	9.7	mg/Kg			1	6010D
7440-36-0	Antimony	ND	16.8	0.59	mg/Kg			1	6010D
7440-38-2	Arsenic	1.6	2.2	0.99	mg/Kg	J		1	6010D
7440-39-3	Barium	114	0.56	0.16	mg/Kg			1	6010D
7440-41-7	Beryllium	0.42	0.22	0.045	mg/Kg			1	6010D
7440-43-9	Cadmium	0.29	0.22	0.078	mg/Kg			1	6010D
7440-70-2	Calcium	12100	56.0	30.3	mg/Kg			1	6010D
7440-47-3	Chromium	22.6	0.56	0.40	mg/Kg			1	6010D
7440-48-4	Cobalt	18.7	0.56	0.11	mg/Kg			1	6010D
7440-50-8	Copper	102	1.1	0.64	mg/Kg			1	6010D
7439-89-6	Iron	34300	11.2	9.5	mg/Kg			1	6010D
7439-92-1	Lead	21.4	1.1	0.52	mg/Kg			1	6010D
7439-95-4	Magnesium	8370	22.4	9.5	mg/Kg			1	6010D
7439-96-5	Manganese	370	1.1	0.31	mg/Kg			1	6010D
7440-02-0	Nickel	24.9	5.6	0.28	mg/Kg			1	6010D
7440-09-7	Potassium	3980	33.6	27.2	mg/Kg			1	6010D
7782-49-2	Selenium	ND	4.5	0.90	mg/Kg			1	6010D
7440-22-4	Silver	0.35	0.67	0.22	mg/Kg	J	^5-	1	6010D
7440-23-5	Sodium	2130	157	68.7	mg/Kg			1	6010D
7440-28-0	Thallium	ND	6.7	0.85	mg/Kg			1	6010D
7440-62-2	Vanadium	61.5	0.56	0.15	mg/Kg			1	6010D
7440-66-6	Zinc	105	2.2	1.1	mg/Kg		^5-	1	6010D
7439-97-6	Mercury	0.0056	0.021	0.0048	mg/Kg	J		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB1-5'-8'
Lab Sample ID: 480-231006-5
Lab Name: Eurofins Buffalo
Job No.: 480-231006-1
SDG ID.:
Matrix: Solid
Date Sampled: 07/09/2025 12:45
Reporting Basis: DRY
Date Received: 07/10/2025 14:30
Preparation Batch Number: 751886
Instrument ID: ICAP3
% Solids: 96.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	15800	10.9	9.4	mg/Kg			1	6010D
7440-36-0	Antimony	ND	16.3	0.58	mg/Kg		F1	1	6010D
7440-38-2	Arsenic	ND	2.2	0.96	mg/Kg			1	6010D
7440-39-3	Barium	149	0.54	0.15	mg/Kg			1	6010D
7440-41-7	Beryllium	0.40	0.22	0.043	mg/Kg			1	6010D
7440-43-9	Cadmium	ND	0.22	0.076	mg/Kg			1	6010D
7440-70-2	Calcium	6400	54.3	29.3	mg/Kg		F1	1	6010D
7440-47-3	Chromium	26.6	0.54	0.39	mg/Kg			1	6010D
7440-48-4	Cobalt	12.1	0.54	0.11	mg/Kg			1	6010D
7440-50-8	Copper	31.3	1.1	0.62	mg/Kg			1	6010D
7439-89-6	Iron	25300	10.9	9.2	mg/Kg			1	6010D
7439-92-1	Lead	9.3	1.1	0.50	mg/Kg			1	6010D
7439-95-4	Magnesium	7480	21.7	9.2	mg/Kg		F1	1	6010D
7439-96-5	Manganese	297	1.1	0.30	mg/Kg		F1	1	6010D
7440-02-0	Nickel	21.4	5.4	0.27	mg/Kg			1	6010D
7440-09-7	Potassium	6570	32.6	26.3	mg/Kg			1	6010D
7782-49-2	Selenium	ND	4.3	0.87	mg/Kg			1	6010D
7440-22-4	Silver	ND	0.65	0.22	mg/Kg		^5-	1	6010D
7440-23-5	Sodium	344	152	66.6	mg/Kg			1	6010D
7440-28-0	Thallium	ND	6.5	0.82	mg/Kg			1	6010D
7440-62-2	Vanadium	45.6	0.54	0.14	mg/Kg			1	6010D
7440-66-6	Zinc	59.4	2.2	1.1	mg/Kg		^5-	1	6010D
7439-97-6	Mercury	0.0060	0.022	0.0050	mg/Kg	J		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB2-12"-5'
Lab Sample ID: 480-231006-12
Lab Name: Eurofins Buffalo
Job No.: 480-231006-1
SDG ID.:
Matrix: Solid
Date Sampled: 07/09/2025 13:30
Reporting Basis: DRY
Date Received: 07/10/2025 14:30
Preparation Batch Number: 751886
Instrument ID: ICAP3
% Solids: 89.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	16500	11.2	9.7	mg/Kg			1	6010D
7440-36-0	Antimony	ND	16.9	0.60	mg/Kg			1	6010D
7440-38-2	Arsenic	2.3	2.2	0.99	mg/Kg			1	6010D
7440-39-3	Barium	121	0.56	0.16	mg/Kg			1	6010D
7440-41-7	Beryllium	0.56	0.22	0.045	mg/Kg			1	6010D
7440-43-9	Cadmium	0.10	0.22	0.079	mg/Kg	J		1	6010D
7440-70-2	Calcium	19800	56.2	30.4	mg/Kg			1	6010D
7440-47-3	Chromium	26.3	0.56	0.40	mg/Kg			1	6010D
7440-48-4	Cobalt	13.5	0.56	0.11	mg/Kg			1	6010D
7440-50-8	Copper	49.2	1.1	0.64	mg/Kg			1	6010D
7439-89-6	Iron	25600	11.2	9.5	mg/Kg			1	6010D
7439-92-1	Lead	41.4	1.1	0.52	mg/Kg			1	6010D
7439-95-4	Magnesium	9580	22.5	9.5	mg/Kg			1	6010D
7439-96-5	Manganese	406	1.1	0.31	mg/Kg			1	6010D
7440-02-0	Nickel	22.0	5.6	0.28	mg/Kg			1	6010D
7440-09-7	Potassium	4850	33.7	27.3	mg/Kg			1	6010D
7782-49-2	Selenium	ND	4.5	0.90	mg/Kg			1	6010D
7440-22-4	Silver	ND	0.67	0.22	mg/Kg		^5-	1	6010D
7440-23-5	Sodium	738	157	68.9	mg/Kg			1	6010D
7440-28-0	Thallium	ND	6.7	0.85	mg/Kg			1	6010D
7440-62-2	Vanadium	60.4	0.56	0.15	mg/Kg			1	6010D
7440-66-6	Zinc	74.3	2.2	1.1	mg/Kg		^5-	1	6010D
7439-97-6	Mercury	0.0081	0.021	0.0049	mg/Kg	J		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB2-9'-10'
Lab Sample ID: 480-231006-14
Lab Name: Eurofins Buffalo
Job No.: 480-231006-1
SDG ID.:
Matrix: Solid
Date Sampled: 07/09/2025 14:00
Reporting Basis: DRY
Date Received: 07/10/2025 14:30
Preparation Batch Number: 751886
Instrument ID: ICAP3
% Solids: 90.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	27400	11.2	9.6	mg/Kg			1	6010D
7440-36-0	Antimony	ND	16.8	0.59	mg/Kg			1	6010D
7440-38-2	Arsenic	ND	2.2	0.98	mg/Kg			1	6010D
7440-39-3	Barium	232	0.56	0.16	mg/Kg			1	6010D
7440-41-7	Beryllium	0.86	0.22	0.045	mg/Kg			1	6010D
7440-43-9	Cadmium	ND	0.22	0.078	mg/Kg			1	6010D
7440-70-2	Calcium	1880	56.0	30.2	mg/Kg			1	6010D
7440-47-3	Chromium	40.6	0.56	0.40	mg/Kg			1	6010D
7440-48-4	Cobalt	21.1	0.56	0.11	mg/Kg			1	6010D
7440-50-8	Copper	47.1	1.1	0.64	mg/Kg			1	6010D
7439-89-6	Iron	36200	11.2	9.5	mg/Kg			1	6010D
7439-92-1	Lead	6.4	1.1	0.51	mg/Kg			1	6010D
7439-95-4	Magnesium	9030	22.4	9.5	mg/Kg			1	6010D
7439-96-5	Manganese	558	1.1	0.31	mg/Kg			1	6010D
7440-02-0	Nickel	34.9	5.6	0.28	mg/Kg			1	6010D
7440-09-7	Potassium	8800	33.6	27.1	mg/Kg			1	6010D
7782-49-2	Selenium	ND	4.5	0.90	mg/Kg			1	6010D
7440-22-4	Silver	0.24	0.67	0.22	mg/Kg	J	^5-	1	6010D
7440-23-5	Sodium	843	157	68.6	mg/Kg			1	6010D
7440-28-0	Thallium	ND	6.7	0.85	mg/Kg			1	6010D
7440-62-2	Vanadium	84.9	0.56	0.15	mg/Kg			1	6010D
7440-66-6	Zinc	74.7	2.2	1.1	mg/Kg		^5-	1	6010D
7439-97-6	Mercury	ND	0.022	0.0051	mg/Kg			1	7471B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

ICV Source: MEI_MSS_ICV_00189 Concentration Units: mg/L

CCV Source: MEI_MSS_STD2_00355

90-110%

Analyte	ICV 480-752142/5 07/18/2025 10:01				CCV 480-752142/15 07/18/2025 10:28				CCV 480-752142/20 07/18/2025 12:09			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	36.30		37.5	97	49.01		50.0	98	49.07		50.0	98
Antimony	0.719		0.750	96	0.960		1.00	96	0.964		1.00	96
Arsenic	0.745		0.750	99	0.965		1.00	96	0.961		1.00	96
Barium	0.715		0.750	95	0.976		1.00	97	0.976		1.00	97
Beryllium	0.741		0.750	99	0.994		1.00	99	0.995		1.00	99
Cadmium	0.713		0.751	95	0.981		1.00	98	0.993		1.00	99
Calcium	37.71		37.5	101	49.98		50.0	100	50.36		50.0	101
Chromium	0.732		0.751	98	0.983		1.00	98	0.985		1.00	98
Cobalt	0.717		0.751	95	0.968		1.00	97	0.970		1.00	97
Copper	0.717		0.752	95	0.963		1.00	96	0.969		1.00	97
Iron	36.83		37.5	98	49.01		50.0	98	48.92		50.0	98
Lead	0.712		0.750	95	0.969		1.00	97	0.966		1.00	97
Magnesium	35.65		37.5	95	48.68		50.0	97	48.65		50.0	97
Manganese	0.731		0.750	97	0.990		1.00	99	0.990		1.00	99
Nickel	0.713		0.751	95	0.962		1.00	96	0.964		1.00	96
Potassium	35.76		37.5	95	47.89		50.0	96	47.72		50.0	95
Selenium	0.738		0.750	98	0.965		1.00	97	0.957		1.00	96
Silver	0.727		0.750	97	0.970		1.00	97	0.968		1.00	97
Sodium	36.07		37.5	96	48.40		50.0	97	48.35		50.0	97
Thallium	0.731		0.750	97	0.955		1.00	96	0.941		1.00	94
Vanadium	0.737		0.750	98	0.986		1.00	99	0.991		1.00	99
Zinc	0.713		0.750	95	0.994		1.00	99	1.00		1.00	100

not bracketing

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

ICV Source: MEI_MSS_ICV_00189 Concentration Units: mg/L

CCV Source: MEI_MSS_STD2_00355

Analyte	CCV 480-752142/33 07/18/2025 12:33				CCV 480-752142/46 07/18/2025 12:59							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	49.11		50.0	98	49.21		50.0	98				
Antimony	0.963		1.00	96	0.964		1.00	96				
Arsenic	0.947		1.00	95	0.951		1.00	95				
Barium	0.984		1.00	98	0.984		1.00	98				
Beryllium	1.00		1.00	100	1.00		1.00	100				
Cadmium	0.990		1.00	99	0.993		1.00	99				
Calcium	50.37		50.0	101	50.49		50.0	101				
Chromium	0.983		1.00	98	0.984		1.00	98				
Cobalt	0.965		1.00	97	0.966		1.00	97				
Copper	0.966		1.00	96	0.968		1.00	97				
Iron	49.35		50.0	99	49.16		50.0	98				
Lead	0.968		1.00	97	0.965		1.00	96				
Magnesium	48.97		50.0	98	48.96		50.0	98				
Manganese	0.992		1.00	99	0.993		1.00	99				
Nickel	0.961		1.00	96	0.962		1.00	96				
Potassium	48.11		50.0	96	48.09		50.0	96				
Selenium	0.952		1.00	95	0.941		1.00	94				
Silver	0.967		1.00	97	0.968		1.00	97				
Sodium	48.83		50.0	98	48.71		50.0	97				
Thallium	0.939		1.00	94	0.937		1.00	94				
Vanadium	0.990		1.00	99	0.992		1.00	99				
Zinc	0.993		1.00	99	0.998		1.00	100				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

ICV Source: MEI_10_CCVL_00538 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00538

70-130%

Analyte	ICVL 480-752142/7 07/18/2025 10:10				CCVL 480-752142/17 07/18/2025 10:32				CCVL 480-752142/22 07/18/2025 12:12			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.203		0.200	102	0.213		0.200	106	0.208		0.200	104
Antimony	0.0170	J	0.0200	85	0.0193	J	0.0200	96	0.0190	J	0.0200	95
Arsenic	0.0163		0.0150	109	0.0168		0.0150	112	0.0156		0.0150	104
Barium	0.00205		0.00200	103	0.00195	J	0.00200	98	0.00198	J	0.00200	99
Beryllium	0.00197	J	0.00200	99	0.00193	J	0.00200	97	0.00203		0.00200	101
Cadmium	0.00194	J	0.00200	97	0.00199	J	0.00200	100	0.00202		0.00200	101
Calcium	0.507		0.500	101	0.501		0.500	100	0.506		0.500	101
Chromium	0.00377	J	0.00400	94	0.00383	J	0.00400	96	0.00384	J	0.00400	96
Cobalt	0.00377	J	0.00400	94	0.00370	J	0.00400	93	0.00350	J	0.00400	88
Copper	0.00842	J	0.0100	84	0.00846	J	0.0100	85	0.00884	J	0.0100	88
Iron	0.0554		0.0500	111	0.0548		0.0500	110	0.0560		0.0500	112
Lead	0.00964	J	0.0100	96	0.0107		0.0100	107	0.00960	J	0.0100	96
Magnesium	0.188	J	0.200	94	0.182	J	0.200	91	0.187	J	0.200	94
Manganese	0.00273	J	0.00300	91	0.00298	J	0.00300	99	0.00288	J	0.00300	96
Nickel	0.00963	J	0.0100	96	0.00992	J	0.0100	99	0.00910	J	0.0100	91
Potassium	0.436	J	0.500	87	0.449	J	0.500	90	0.455	J	0.500	91
Selenium	0.0209	J	0.0250	84	0.0226	J	0.0250	91	0.0182	J	0.0250	73
Silver	0.00544	J	0.00600	91	0.00534	J	0.00600	89	0.00533	J	0.00600	89
Sodium	0.974	J	1.01	97	1.02		1.01	101	1.06		1.01	105
Thallium	0.0182	J	0.0200	91	0.0197	J	0.0200	98	0.0184	J	0.0200	92
Vanadium	0.00489	J	0.00500	98	0.00466	J	0.00500	93	0.00473	J	0.00500	95
Zinc	0.00984	J	0.0100	98	0.00992	J	0.0100	99	0.00984	J	0.0100	98

not bracketing

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

ICV Source: MEI_10_CCVL_00538 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00538

Analyte	CCVL 480-752142/35 07/18/2025 12:37				CCVL 480-752142/48 07/18/2025 13:03							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.206		0.200	103	0.220		0.200	110				
Antimony	0.0190	J	0.0200	95	0.0196	J	0.0200	98				
Arsenic	0.0154		0.0150	102	0.0153		0.0150	102				
Barium	0.00197	J	0.00200	98	0.00191	J	0.00200	96				
Beryllium	0.00201		0.00200	101	0.00198	J	0.00200	99				
Cadmium	0.00197	J	0.00200	98	0.00205		0.00200	103				
Calcium	0.515		0.500	103	0.517		0.500	103				
Chromium	0.00388	J	0.00400	97	0.00374	J	0.00400	93				
Cobalt	0.00346	J	0.00400	86	0.00349	J	0.00400	87				
Copper	0.00909	J	0.0100	91	0.00845	J	0.0100	84				
Iron	0.0591		0.0500	118	0.0573		0.0500	115				
Lead	0.0101		0.0100	101	0.00982	J	0.0100	98				
Magnesium	0.190	J	0.200	95	0.183	J	0.200	92				
Manganese	0.00299	J	0.00300	100	0.00257	J	0.00300	86				
Nickel	0.00944	J	0.0100	94	0.00983	J	0.0100	98				
Potassium	0.483	J	0.500	97	0.466	J	0.500	93				
Selenium	0.0180	J	0.0250	72	0.0267		0.0250	107				
Silver	0.00552	J	0.00600	92	0.00515	J	0.00600	86				
Sodium	0.982	J	1.01	97	0.903	J	1.01	90				
Thallium	0.0191	J	0.0200	96	0.0178	J	0.0200	89				
Vanadium	0.00482	J	0.00500	96	0.00473	J	0.00500	95				
Zinc	0.00982	J	0.0100	98	0.0102		0.0100	102				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

ICV Source: MEH_HG1_WKG_03643 Concentration Units: mg/L

CCV Source: MEH_HG1_WKG_03643

Analyte	ICV 480-751708/7 07/14/2025 12:31				ICVL 480-751708/9 07/14/2025 12:33				CCV 480-751708/37 07/14/2025 13:10 not bracketing			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00307		0.00301	102	0.000192	J	0.000201	96	0.00194		0.00201	97

ICV/CCV 80-120

ICVL/CCVL 70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

ICV Source: MEH_HG1_WKG_03643 Concentration Units: mg/L

CCV Source: MEH_HG1_WKG_03643

Analyte	CCVL 480-751708/39 07/14/2025 13:12				CCV 480-751708/50 07/14/2025 13:27				CCV 480-751708/62 07/14/2025 13:42			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.000189	J	0.000201	94	0.00194		0.00201	97	0.00194		0.00201	97

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

ICV Source: MEH_HG1_WKG_03643 Concentration Units: mg/L

CCV Source: MEH_HG1_WKG_03643

Analyte	CCV 480-751708/74 07/14/2025 13:58				CCVL 480-751708/76 07/14/2025 14:01							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00190		0.00201	95	0.000184	J	0.000201	92				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 480-752142/6 07/18/2025 10:08		CCB 480-752142/16 07/18/2025 10:30		CCB 480-752142/21 07/18/2025 12:10		CCB 480-752142/34 07/18/2025 12:35	
		Found	C	Found	C	Found	C	Found	C
Aluminum	0.20	ND		ND		ND		ND	
Antimony	0.020	ND		ND		ND		ND	
Arsenic	0.015	ND		ND		ND		ND	
Barium	0.0020	ND		ND		ND		ND	
Beryllium	0.0020	ND		ND		ND		ND	
Cadmium	0.0020	ND		ND		ND		ND	
Calcium	0.50	ND		ND		ND		ND	
Chromium	0.0040	ND		ND		ND		ND	
Cobalt	0.0040	ND		ND		ND		ND	
Copper	0.010	ND		ND		ND		ND	
Iron	0.050	ND		ND		0.0240	J	ND	
Lead	0.010	ND		ND		ND		ND	
Magnesium	0.20	ND		ND		ND		ND	
Manganese	0.0030	ND		ND		ND		ND	
Nickel	0.010	ND		ND		ND		ND	
Potassium	0.50	ND		ND		ND		ND	
Selenium	0.025	ND		ND		ND		ND	
Silver	0.0060	ND		ND		ND		ND	
Sodium	1.0	ND		ND		ND		ND	
Thallium	0.020	ND		ND		ND		ND	
Vanadium	0.0050	ND		ND		ND		ND	
Zinc	0.010	ND		ND		ND		ND	

not bracketing

detect - brackets samples 3 and 5 - NO QUAL Needed

2x/10x (calculated from BlankQual Form)

sample 3 = 5.38/26.92

Sample 5 = 5.21/26.058

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	CCB 480-752142/47 07/18/2025 13:01							
		Found	C	Found	C	Found	C	Found	C
Aluminum	0.20	ND							
Antimony	0.020	ND							
Arsenic	0.015	ND							
Barium	0.0020	ND							
Beryllium	0.0020	ND							
Cadmium	0.0020	ND							
Calcium	0.50	ND							
Chromium	0.0040	ND							
Cobalt	0.0040	ND							
Copper	0.010	ND							
Iron	0.050	ND							
Lead	0.010	ND							
Magnesium	0.20	ND							
Manganese	0.0030	ND							
Nickel	0.010	ND							
Potassium	0.50	ND							
Selenium	0.025	ND							
Silver	0.0060	ND							
Sodium	1.0	ND							
Thallium	0.020	ND							
Vanadium	0.0050	ND							
Zinc	0.010	ND							





Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 480-751708/8 07/14/2025 12:32		CCB 480-751708/38 07/14/2025 13:11		CCB 480-751708/51 07/14/2025 13:28		CCB 480-751708/63 07/14/2025 13:44	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.00020	ND		ND		ND		ND	

not bracketing

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	CCB 480-751708/75 07/14/2025 13:59							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.00020	ND							

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 480-751886/1-A

Instrument Code: ICAP3 Batch No.: 752142

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010D
7440-36-0	Antimony	ND			6010D
7440-38-2	Arsenic	ND			6010D
7440-39-3	Barium	ND			6010D
7440-41-7	Beryllium	ND			6010D
7440-43-9	Cadmium	ND			6010D
7440-70-2	Calcium	ND			6010D
7440-47-3	Chromium	ND			6010D
7440-48-4	Cobalt	ND			6010D
7440-50-8	Copper	ND			6010D
7439-89-6	Iron	ND			6010D
7439-92-1	Lead	ND			6010D
7439-95-4	Magnesium	ND			6010D
7439-96-5	Manganese	ND			6010D
7440-02-0	Nickel	ND			6010D
7440-09-7	Potassium	ND			6010D
7782-49-2	Selenium	ND			6010D
7440-22-4	Silver	ND		^5-	6010D
7440-23-5	Sodium	ND			6010D
7440-28-0	Thallium	ND			6010D
7440-62-2	Vanadium	ND			6010D
7440-66-6	Zinc	ND		^5-	6010D

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 480-751621/1-A

Instrument Code: LEEMAN4 Batch No.: 751708

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7471B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICSA 480-752142/8 Instrument ID: ICAP3

Lab File ID: I320250718A - 2.csv ICS Source: MEI_MSS_ICSA_00076

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery (80-120)
Aluminum	**500**	**523**	**105**
Antimony		**-0.0050**	
Arsenic		**-0.0131**	
Barium	**0.00200**	**0.0021**	
Beryllium		**0.0000**	
Cadmium		**-0.0001**	
Calcium	**500**	**495**	**99**
Chromium		**0.0016**	
Cobalt		**0.0006**	
Copper		**-0.0020**	
Iron	**200**	**182**	**91**
Iron	**200**	**198**	**99**
Lead		**-0.0055**	
Magnesium	**500**	**517**	**103**
Manganese		**0.0020**	
Nickel		**-0.0008**	
Potassium		**0.0000**	
Selenium		**0.0143**	
Silver		**0.0010**	
Sodium		**0.166**	
Sodium		**0.235**	
Thallium		**0.0090**	
Vanadium		**-0.0004**	
Zinc		**0.0013**	
Boron		*0.0023*	
Lithium		*-0.0002*	
Molybdenum		*-0.0018*	
Strontium		*0.0000*	
Tin		*0.0019*	
Titanium		*-0.0013*	

Fe in samples > 50% ICSA true value
in all samples, possible interferent

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Lab Sample ID: ICSAB 480-752142/9 Instrument ID: ICAP3

Lab File ID: I320250718A - 2.csv ICS Source: MEI_MSS_ICSAB_00071

Concentration Units: mg/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500**	**528**	**106**
Antimony	**0.500**	**0.523**	**105**
Arsenic	**0.500**	**0.513**	**103**
Barium	**0.513**	**0.514**	**100**
Beryllium	**0.250**	**0.259**	**103**
Cadmium	**0.500**	**0.524**	**105**
Calcium	**500**	**498**	**100**
Chromium	**0.500**	**0.509**	**102**
Cobalt	**0.500**	**0.507**	**101**
Copper	**0.500**	**0.528**	**106**
Iron	**200**	**184**	**92**
Iron	**200**	**199**	**100**
Lead	**0.500**	**0.500**	**100**
Magnesium	**500**	**521**	**104**
Manganese	**0.501**	**0.498**	**100**
Nickel	**0.501**	**0.502**	**100**
Potassium	**5.00**	**5.26**	**105**
Selenium	**0.500**	**0.520**	**104**
Silver	**0.500**	**0.545**	**109**
Sodium	**5.00**	**5.60**	**112**
Sodium	**5.00**	**5.51**	**110**
Thallium	**0.500**	**0.501**	**100**
Vanadium	**0.500**	**0.518**	**104**
Zinc	**0.501**	**0.484**	**97**
Boron	*5.00*	*5.12*	*102*
Lithium		*0.0000*	
Molybdenum	*0.500*	*0.505*	*101*
Strontium	*0.500*	*0.526*	*105*
Tin	*0.500*	*0.503*	*101*
Titanium	*0.500*	*0.527*	*105*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: SB1-5'-8' MS Lab ID: 480-231006-5 MS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

% Solids: 96.0

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	20170		15800		1020	426	75-125	4	6010D
Antimony	49.79		ND		100	50	75-125	F1	6010D
Arsenic	184.7		ND		200	92	75-125		6010D
Barium	356.2		149		200	104	75-125		6010D
Beryllium	96.39		0.40		99.3	97	75-125		6010D
Cadmium	91.98		ND		100	92	75-125		6010D
Calcium	12420		6400		5010	120	75-125		6010D
Chromium	120.7		26.6		100	94	75-125		6010D
Cobalt	121.9		12.1		100	110	75-125		6010D
Copper	141.8		31.3		100	110	75-125		6010D
Iron	29560		25300		1020	418	75-125	4	6010D
Lead	119.2		9.3		100	110	75-125		6010D
Magnesium	13490		7480		5000	120	75-125		6010D
Manganese	457.1		297		100	160	75-125	F1	6010D
Nickel	134.2		21.4		100	113	75-125		6010D
Potassium	12490		6570		5000	119	75-125		6010D
Selenium	175.7		ND		200	88	75-125		6010D
Silver	9.42		ND		10.0	94	75-125	^5-	6010D
Sodium	5016		344		5000	93	75-125		6010D
Thallium	203.6		ND		200	102	75-125		6010D
Vanadium	144.3		45.6		100	99	75-125		6010D
Zinc	153.1		59.4		100	94	75-125	^5-	6010D

SSR = Spiked Sample Result

values boxed in RED

Sample result >4x spike - NO QUAL

Value in BLUE

<75% - Qual Parent J-/UJ,MS-

qualify antimony in batch

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: SB1-5'-8' MSD Lab ID: 480-231006-5 MSD

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

% Solids: 96.0

Analyte	(SDR) C		Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	20660		1110	439	75-125	2	20	4	6010D
Antimony	56.94		108	53	75-125	13	20	F1	6010D
Arsenic	203.8		217	94	75-125	10	20		6010D
Barium	369.7		217	102	75-125	4	20		6010D
Beryllium	107.7		107	100	75-125	11	20		6010D
Cadmium	102.4		108	95	75-125	11	20		6010D
Calcium	15240		5420	163	75-125	20	20	F1	6010D
Chromium	132.0		108	97	75-125	9	20		6010D
Cobalt	128.4		108	107	75-125	5	20		6010D
Copper	139.0		108	99	75-125	2	20		6010D
Iron	28560		1110	297	75-125	3	20	4	6010D
Lead	125.4		108	107	75-125	5	20		6010D
Magnesium	14790		5420	135	75-125	9	20	F1	6010D
Manganese	462.3		108	153	75-125	1	20	F1	6010D
Nickel	138.6		108	108	75-125	3	20		6010D
Potassium	12550		5410	111	75-125	0	20		6010D
Selenium	195.8		217	90	75-125	11	20		6010D
Silver	10.32		10.8	95	75-125	9	20	^5-	6010D
Sodium	5612		5410	97	75-125	11	20		6010D
Thallium	218.7		217	101	75-125	7	20		6010D
Vanadium	155.6		108	102	75-125	8	20		6010D
Zinc	158.1		108	91	75-125	3	20	^5-	6010D

SDR = Sample Duplicate Result

values boxed in RED

Sample result >4x spike - NO QUAL

Value in BLUE

<75% - Qual Parent J-/UJ,MS-

qualify all samples in batch

Value boxed in GREEN

>125 - Qual parent J+,MS+

qualify all samples in batch

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: SB1-5'-8' PDS Lab ID: 480-231006-5 PDS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	16170		15800		1110	NC	75-125		6010D
Antimony	100.3		ND		109	92	75-125		6010D
Arsenic	213.5		ND		217	98	75-125		6010D
Barium	357.1		149		217	96	75-125		6010D
Beryllium	111.8		0.40		108	103	75-125		6010D
Cadmium	106.5		ND		109	98	75-125		6010D
Calcium	11270		6400		5430	90	75-125		6010D
Chromium	130.6		26.6		109	96	75-125		6010D
Cobalt	126.4		12.1		109	105	75-125		6010D
Copper	136.9		31.3		109	97	75-125		6010D
Iron	24960		25300		1110	NC	75-125		6010D
Lead	123.9		9.3		109	106	75-125		6010D
Magnesium	12300		7480		5430	89	75-125		6010D
Manganese	386.6		297		109	83	75-125		6010D
Nickel	136.4		21.4		109	106	75-125		6010D
Potassium	11630		6570		5420	93	75-125		6010D
Selenium	205.2		ND		217	95	75-125		6010D
Silver	10.59		ND		10.9	98	75-125		6010D
Sodium	5579		344		5420	96	75-125		6010D
Thallium	224.2		ND		217	103	75-125		6010D
Vanadium	150.6		45.6		109	97	75-125		6010D
Zinc	159.1		59.4		109	92	75-125		6010D

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 480-752142/18

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

Sample Matrix: LCS Source: LRC_00019

Analyte	(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	600	587.7		98	90	110		6010D
Antimony	5.00	5.02		100	90	110		6010D
Arsenic	5.00	5.08		102	90	110		6010D
Barium	20.0	19.06		95	90	110		6010D
Beryllium	25.0	22.70		91	90	110		6010D
Cadmium	5.00	5.02		100	90	110		6010D
Calcium	700	631.3		90	90	110		6010D
Chromium	10.0	9.25		92	90	110		6010D
Cobalt	20.0	19.59		98	90	110		6010D
Copper	8.00	7.98		100	90	110		6010D
Iron	600	548.2		91	90	110		6010D
Lead	40.0	38.66		97	90	110		6010D
Magnesium	400	376.3		94	90	110		6010D
Manganese	40.0	36.72		92	90	110		6010D
Nickel	10.0	9.65		97	90	110		6010D
Potassium	500	500.4		100	90	110		6010D
Selenium	40.0	39.91		100	90	110		6010D
Silver	3.00	1.53		51	90	110	^5-	6010D
Sodium	806	761.6		94	90	110		6010D
Sodium	806	811.4		101	90	110		6010D
Thallium	20.0	19.03		95	90	110		6010D
Vanadium	5.00	4.61		92	90	110		6010D
Zinc	20.0	17.57		88	90	110	^5-	6010D

silver - all results ND or <RL, no qual

zinc - all results < highest ICAL std, no qual

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 480-751886/2-A

Lab Name: Eurofins Buffalo

Job No.: 480-231006-1

Sample Matrix: Solid

LCS Source: MED_SRM_D087_00049

Analyte	Solid(mg/Kg) using given lab limits							
	True	Found	C	%R	Limits		Q	Method
Aluminum	7680	8360		108.9	47.4	130.2		6010D
Antimony	201	73.88		36.8	0.06	100.0		6010D
Arsenic	181	141.4		78.1	66.3	97.8		6010D
Barium	211	176.1		83.5	73.9	107.1		6010D
Beryllium	270	244.6		90.6	73.0	104.4		6010D
Cadmium	221	181.7		82.2	70.6	101.8		6010D
Calcium	4280	4043		94.5	77.3	111.0		6010D
Chromium	149	131.8		88.5	71.8	105.4		6010D
Cobalt	142	134.1		94.4	73.2	104.2		6010D
Copper	264	225.8		85.5	73.5	104.2		6010D
Iron	7360	7253		98.5	55.4	130.3		6010D
Lead	106	102.1		96.3	76.1	109.4		6010D
Magnesium	2170	2031		93.6	68.7	112.0		6010D
Manganese	270	238.0		88.2	73.0	107.8		6010D
Nickel	177	164.3		92.8	71.8	103.4		6010D
Potassium	2340	2194		93.8	62.8	113.7		6010D
Selenium	139	114.9		82.7	70.0	107.9		6010D
Silver	59.9	50.62		84.5	72.8	110.7		6010D
Sodium	306	283.2		92.5	66.0	113.4		6010D
Thallium	205	198.8		97.0	71.7	106.8		6010D
Vanadium	155	140.0		90.3	69.0	107.7		6010D
Zinc	398	336.2		84.5	68.8	104.5		6010D

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 480-751621/2-A ^10

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

Sample Matrix: Solid LCS Source: MED_SRM_D087_00049

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	24.0	• 18.07		• 75.3	55.8	109.6		7471B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 480-231006-5

SDG No:

Lab Name: Eurofins Buffalo Job No: 480-231006-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	<10% % Difference	Q	Method
Aluminum	15800		15730		0.52		6010D
Antimony	ND		ND		NC		6010D
Arsenic	ND		ND		NC		6010D
Barium	149		148.8		0.01		6010D
Beryllium	0.40		0.424	J	NC		6010D
Cadmium	ND		ND		NC		6010D
Calcium	6400		6552		2.4		6010D
Chromium	26.6		26.45		0.59		6010D
Cobalt	12.1		10.55		NC		6010D
Copper	31.3		29.75		5.0		6010D
Iron	21700		26670		23	V	6010D
Lead	9.3		7.75		NC		6010D
Magnesium	7480		7389		1.2		6010D
Manganese	297		299.9		1.1		6010D
Nickel	21.4		19.49	J	NC		6010D
Potassium	6570		6406		2.4		6010D
Selenium	ND		ND		NC		6010D
Silver	ND		ND		NC		6010D
Sodium	344		333.6	J	NC		6010D
Thallium	ND		ND		NC		6010D
Vanadium	45.6		44.44		2.6		6010D
Zinc	59.4		59.94		0.86		6010D

>10% - Qual associated samples J/SD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: Eurofins Buffalo Job Number: 480-231006-1

SDG Number:

Matrix: Solid Instrument ID: ICAP3

Method: 6010D MDL Date: 05/31/2024 00:00

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum	308.215	10	8.62
Antimony	206.833	15	0.53
Arsenic	189.042	2	0.88
Barium	455.403	0.5	0.14
Beryllium	313.042	0.2	0.04
Cadmium	228.802	0.2	0.07
Calcium	317.933	50	26.99
Chromium	267.716	0.5	0.36
Cobalt	228.616	0.5	0.1
Copper	327.396	1	0.57
Iron	259.940	10	8.48
Lead	220.353	1	0.46
Magnesium	279.079	20	8.48
Manganese	257.610	1	0.28
Nickel	231.604	5	0.25
Potassium	766.490	30	24.24
Selenium	196.090	4	0.8
Silver	328.068	0.6	0.2
Sodium	589.592	140	61.31
Thallium	190.856	6	0.76
Vanadium	292.402	0.5	0.13
Zinc	206.200	2	1.02

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: Eurofins Buffalo Job Number: 480-231006-1

SDG Number:

Matrix: Solid Instrument ID: ICAP3

Method: 6010D XMDL Date: 07/17/2013 10:53

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Aluminum	308.215	0.2	0.06
Antimony	206.833	0.02	0.00679
Arsenic	189.042	0.015	0.00555
Barium	455.403	0.002	0.0007
Beryllium	313.042	0.002	0.0003
Cadmium	228.802	0.002	0.0005
Calcium	317.933	0.5	0.1
Chromium	267.716	0.004	0.001
Cobalt	228.616	0.004	0.00063
Copper	327.396	0.01	0.0016
Iron	259.940	0.05	0.0193
Lead	220.353	0.01	0.003
Magnesium	279.079	0.2	0.0434
Manganese	257.610	0.003	0.0004
Nickel	231.604	0.01	0.00126
Potassium	766.490	0.5	0.1
Selenium	196.090	0.025	0.0087
Silver	328.068	0.006	0.0017
Sodium	589.592	1	0.324
Thallium	190.856	0.02	0.01024
Vanadium	292.402	0.005	0.0015
Zinc	206.200	0.01	0.0015

9-IN
DETECTION LIMITS
METALS

Lab Name: Eurofins Buffalo Job Number: 480-231006-1

SDG Number:

Matrix: Solid Instrument ID: LEEMAN4

Method: 7471B MDL Date: 05/19/2023 15:59

Prep Method: 7471B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury	253.7	0.02	0.0046

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: Eurofins Buffalo Job Number: 480-231006-1

SDG Number:

Matrix: Solid Instrument ID: LEEMAN4

Method: 7471B XMDL Date: 06/21/2021 17:34

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Mercury	253.7	0.0002	0.000043

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins Buffalo Job No: 480-231006-1

SDG No.:

Instrument ID: ICAP3 Date: 08/23/2024 17:02

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Aluminum	15	600	6010D
Antimony	15	5	6010D
Arsenic	15	5	6010D
Barium	15	20	6010D
Beryllium	15	25	6010D
Cadmium	15	5	6010D
Calcium	15	700	6010D
Chromium	15	10	6010D
Cobalt	15	20	6010D
Copper	15	8	6010D
Iron	15	600	6010D
Lead	15	40	6010D
Magnesium	15	400	6010D
Manganese	15	40	6010D
Nickel	15	10	6010D
Potassium	15	500	6010D
Selenium	15	40	6010D
Silver	15	3	6010D
Sodium	15	800	6010D
Thallium	15	20	6010D
Vanadium	15	5	6010D
Zinc	15	20	6010D

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins Buffalo Job No: 480-231006-1

SDG No.:

Instrument ID: LEEMAN4 Date: 03/21/2024 14:36

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Mercury	10	30	7471B

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 480-751886/1-A	07/17/2025 08:43	751886	0.4710		50
LCSSRM 480-751886/2-A	07/17/2025 08:43	751886	0.4836		50
480-231006-3	07/17/2025 08:43	751886	0.4743		50
480-231006-5	07/17/2025 08:43	751886	0.4797		50
480-231006-5 MS	07/17/2025 08:43	751886	0.5204		50
480-231006-5 MSD	07/17/2025 08:43	751886	0.4807		50
480-231006-12	07/17/2025 08:43	751886	0.4956		50
480-231006-14	07/17/2025 08:43	751886	0.4917		50

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 480-751621/1-A	07/14/2025 10:43	751621	0.6155		50
LCSSRM 480-751621/2-A ^10	07/14/2025 10:43	751621	0.2557		50
480-231006-3	07/14/2025 10:43	751621	0.6127		50
480-231006-5	07/14/2025 10:43	751621	0.5702		50
480-231006-12	07/14/2025 10:43	751621	0.6254		50
480-231006-14	07/14/2025 10:43	751621	0.5934		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: ICAP3 Method: 6010D

Start Date: 07/18/2025 09:50 End Date: 07/18/2025 13:26

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ICIS 480-752142/1	1		09:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-752142/2			09:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-752142/3			09:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-752142/4			09:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 480-752142/5	1		10:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 480-752142/6	1		10:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICVL 480-752142/7	1		10:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 480-752142/8	1		10:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 480-752142/9	1		10:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:18																				
ZZZZZZ			10:20																				
ZZZZZZ			10:22																				
ZZZZZZ			10:24																				
ZZZZZZ			10:26																				
CCV 480-752142/15	1		10:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-752142/16	1		10:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 480-752142/17	1		10:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LRC 480-752142/18	1		10:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ (QC)			12:07																				
CCV 480-752142/20	1		12:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-752142/21	1		12:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 480-752142/22	1		12:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 480-751886/1-A	1	T	12:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSSRM 480-751886/2-A	1	T	12:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ (Client)			12:18																				
480-231006-3	1	T	12:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-231006-5	1	T	12:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-231006-5 SD	5	T	12:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-231006-5 PDS	1	T	12:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-231006-5 MS	1	T	12:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-231006-5 MSD	1	T	12:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ (QC)			12:32																				
CCV 480-752142/33	1		12:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-752142/34	1		12:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 480-752142/35	1		12:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-231006-12	1	T	12:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-231006-14	1	T	12:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ (Client)			12:44																				
ZZZZZZ (Client)			12:46																				
ZZZZZZ (Client)			12:48																				
ZZZZZZ (Client)			12:50																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: ICAP3 Method: 6010D

Start Date: 07/18/2025 09:50 End Date: 07/18/2025 13:26

Lab Sample ID	D/F	Type	Time	Analytes																		
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ (Client)			12:52																				
ZZZZZZ (Client)			12:54																				
ZZZZZZ (Client)			12:55																				
ZZZZZZ (QC)			12:57																				
CCV 480-752142/46	1		12:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-752142/47	1		13:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 480-752142/48	1		13:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ (Client)			13:05																				
ZZZZZZ (Client)			13:07																				
ZZZZZZ (Client)			13:09																				
ZZZZZZ (Client)			13:11																				
ZZZZZZ (Client)			13:13																				
ZZZZZZ (Client)			13:15																				
ZZZZZZ (Client)			13:16																				
ZZZZZZ (Client)			13:18																				
ZZZZZZ (QC)			13:20																				
CCV 480-752142/58			13:22																				
CCB 480-752142/59			13:24																				
CCVL 480-752142/60			13:26																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: ICAP3 Method: 6010D

Start Date: 07/18/2025 09:50 End Date: 07/18/2025 13:26

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
ICIS 480-752142/1	1		09:50	X	X																		
IC 480-752142/2			09:52	X	X																		
IC 480-752142/3			09:54	X	X																		
IC 480-752142/4			09:56	X	X																		
ICV 480-752142/5	1		10:01	X	X																		
ICB 480-752142/6	1		10:08	X	X																		
ICVL 480-752142/7	1		10:10	X	X																		
ICSA 480-752142/8	1		10:14	X	X																		
ICSAB 480-752142/9	1		10:16	X	X																		
ZZZZZZ			10:18																				
ZZZZZZ			10:20																				
ZZZZZZ			10:22																				
ZZZZZZ			10:24																				
ZZZZZZ			10:26																				
CCV 480-752142/15	1		10:28	X	X																		
CCB 480-752142/16	1		10:30	X	X																		
CCVL 480-752142/17	1		10:32	X	X																		
LRC 480-752142/18	1		10:34	X	X																		
ZZZZZZ (QC)			12:07																				
CCV 480-752142/20	1		12:09	X	X																		
CCB 480-752142/21	1		12:10	X	X																		
CCVL 480-752142/22	1		12:12	X	X																		
MB 480-751886/1-A	1	T	12:15	X	X																		
LCSSRM 480-751886/2-A	1	T	12:16	X	X																		
ZZZZZZ (Client)			12:18																				
480-231006-3	1	T	12:20	X	X																		
480-231006-5	1	T	12:22	X	X																		
480-231006-5 SD	5	T	12:24	X	X																		
480-231006-5 PDS	1	T	12:26	X	X																		
480-231006-5 MS	1	T	12:28	X	X																		
480-231006-5 MSD	1	T	12:30	X	X																		
ZZZZZZ (QC)			12:32																				
CCV 480-752142/33	1		12:33	X	X																		
CCB 480-752142/34	1		12:35	X	X																		
CCVL 480-752142/35	1		12:37	X	X																		
480-231006-12	1	T	12:40	X	X																		
480-231006-14	1	T	12:42	X	X																		
ZZZZZZ (Client)			12:44																				
ZZZZZZ (Client)			12:46																				
ZZZZZZ (Client)			12:48																				
ZZZZZZ (Client)			12:50																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: ICAP3 Method: 6010D

Start Date: 07/18/2025 09:50 End Date: 07/18/2025 13:26

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ (Client)			12:52																				
ZZZZZZ (Client)			12:54																				
ZZZZZZ (Client)			12:55																				
ZZZZZZ (QC)			12:57																				
CCV 480-752142/46	1		12:59	X	X																		
CCB 480-752142/47	1		13:01	X	X																		
CCVL 480-752142/48	1		13:03	X	X																		
ZZZZZZ (Client)			13:05																				
ZZZZZZ (Client)			13:07																				
ZZZZZZ (Client)			13:09																				
ZZZZZZ (Client)			13:11																				
ZZZZZZ (Client)			13:13																				
ZZZZZZ (Client)			13:15																				
ZZZZZZ (Client)			13:16																				
ZZZZZZ (Client)			13:18																				
ZZZZZZ (QC)			13:20																				
CCV 480-752142/58			13:22																				
CCB 480-752142/59			13:24																				
CCVL 480-752142/60			13:26																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: LEEMAN4 Method: 7471B

Start Date: 07/14/2025 12:23 End Date: 07/14/2025 15:03

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
IC 480-751694/1-A			12:23	X																			
IC 480-751694/2-A			12:24	X																			
IC 480-751694/3-A			12:25	X																			
IC 480-751694/4-A			12:27	X																			
IC 480-751694/5-A			12:28	X																			
IC 480-751694/6-A			12:29	X																			
ICV 480-751708/7	1		12:31	X																			
ICB 480-751708/8	1		12:32	X																			
ICVL 480-751708/9	1		12:33	X																			
CCV 480-751708/10			12:35																				
CCB 480-751708/11			12:36																				
ZZZZZZ (Client)			12:37																				
ZZZZZZ (Client)			12:38																				
ZZZZZZ (Client)			12:40																				
ZZZZZZ (Client)			12:41																				
ZZZZZZ (Client)			12:42																				
ZZZZZZ (Client)			12:44																				
ZZZZZZ (Client)			12:45																				
ZZZZZZ (Client)			12:46																				
ZZZZZZ (Client)			12:48																				
ZZZZZZ (Client)			12:49																				
CCV 480-751708/22			12:50																				
CCB 480-751708/23			12:51																				
ZZZZZZ (Client)			12:53																				
ZZZZZZ (Client)			12:54																				
ZZZZZZ (Client)			12:55																				
ZZZZZZ (Client)			12:57																				
ZZZZZZ (Client)			12:58																				
ZZZZZZ (QC)			12:59																				
ZZZZZZ (QC)			13:01																				
ZZZZZZ (Client)			13:02																				
ZZZZZZ (QC)			13:03																				
ZZZZZZ (QC)			13:05																				
CCV 480-751708/34			13:06																				
CCB 480-751708/35			13:07																				
ZZZZZZ (QC)			13:08																				
CCV 480-751708/37	1		13:10	X																			
CCB 480-751708/38	1		13:11	X																			
CCVL 480-751708/39	1		13:12	X																			
MB 480-751621/1-A	1	T	13:14	X																			
LCSSRM 480-751621/2-A ^10	10	T	13:15	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: LEEMAN4 Method: 7471B

Start Date: 07/14/2025 12:23 End Date: 07/14/2025 15:03

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ (Client)			13:16																				
ZZZZZZ (Client)			13:18																				
ZZZZZZ (Client)			13:19																				
ZZZZZZ (QC)			13:20																				
ZZZZZZ (QC)			13:21																				
ZZZZZZ (QC)			13:23																				
ZZZZZZ (Client)			13:24																				
ZZZZZZ (Client)			13:25																				
CCV 480-751708/50	1		13:27	X																			
CCB 480-751708/51	1		13:28	X																			
ZZZZZZ (Client)			13:29																				
ZZZZZZ (Client)			13:31																				
ZZZZZZ (Client)			13:32																				
ZZZZZZ (Client)			13:33																				
ZZZZZZ (Client)			13:34																				
ZZZZZZ (Client)			13:36																				
ZZZZZZ (Client)			13:37																				
480-231006-3	1	T	13:38	X																			
480-231006-5	1	T	13:40	X																			
480-231006-12	1	T	13:41	X																			
CCV 480-751708/62	1		13:42	X																			
CCB 480-751708/63	1		13:44	X																			
480-231006-14	1	T	13:45	X																			
ZZZZZZ (Client)			13:46																				
ZZZZZZ (Client)			13:48																				
ZZZZZZ (Client)			13:49																				
ZZZZZZ (Client)			13:50																				
ZZZZZZ (QC)			13:51																				
ZZZZZZ (QC)			13:53																				
ZZZZZZ (Client)			13:54																				
ZZZZZZ (QC)			13:55																				
ZZZZZZ (QC)			13:57																				
CCV 480-751708/74	1		13:58	X																			
CCB 480-751708/75	1		13:59	X																			
CCVL 480-751708/76	1		14:01	X																			
ZZZZZZ (QC)			14:02																				
ZZZZZZ (Client)			14:03																				
ZZZZZZ (Client)			14:04																				
ZZZZZZ (Client)			14:06																				
ZZZZZZ (Client)			14:07																				
ZZZZZZ (Client)			14:08																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: LEEMAN4 Method: 7471B

Start Date: 07/14/2025 12:23 End Date: 07/14/2025 15:03

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ (Client)			14:10																				
ZZZZZZ (Client)			14:11																				
ZZZZZZ (Client)			14:12																				
ZZZZZZ (Client)			14:14																				
CCV 480-751708/87			14:15																				
CCB 480-751708/88			14:16																				
ZZZZZZ (Client)			14:17																				
ZZZZZZ (Client)			14:19																				
ZZZZZZ (Client)			14:20																				
ZZZZZZ (Client)			14:21																				
ZZZZZZ (Client)			14:23																				
ZZZZZZ (Client)			14:24																				
ZZZZZZ (Client)			14:25																				
ZZZZZZ (Client)			14:27																				
ZZZZZZ (Client)			14:28																				
ZZZZZZ (Client)			14:29																				
CCV 480-751708/99			14:31																				
CCB 480-751708/100			14:32																				
ZZZZZZ (QC)			14:33																				
ZZZZZZ (QC)			14:34																				
ZZZZZZ (Client)			14:36																				
ZZZZZZ (QC)			14:37																				
ZZZZZZ (QC)			14:38																				
ZZZZZZ (QC)			14:40																				
ZZZZZZ (Client)			14:41																				
ZZZZZZ (Client)			14:42																				
ZZZZZZ (Client)			14:44																				
ZZZZZZ (Client)			14:45																				
CCV 480-751708/111			14:46																				
CCB 480-751708/112			14:47																				
CCVL 480-751708/113			14:49																				
ZZZZZZ (QC)			14:59																				
CCV 480-751708/115			15:00																				
CCB 480-751708/116			15:02																				
CCVL 480-751708/117			15:03																				

Prep Types

T = Total/NA

15-IN
ICP INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.: Analysis Batch No.: 752142

ICP Instrument ID: ICAP3 Start Date: 07/18/2025 End Date: 07/18/2025

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In 230.606	Q	Element Y 224.306	Q	Element Y 360.073	Q	Element Y 377.433	Q	Element	Q
ICIS 480-752142/1	09:50										
ICV 480-752142/5	10:01	88		96		94		98			
ICB 480-752142/6	10:08	101		101		100		98			
ICVL 480-752142/7	10:10	100		101		100		99			
ICSA 480-752142/8	10:14	72		85		82		93			
ICSAB 480-752142/9	10:16	72		85		82		93			
CCV 480-752142/15	10:28	88		98		95		98			
CCB 480-752142/16	10:30	101		102		100		98			
CCVL 480-752142/17	10:32	101		102		100		98			
LRC 480-752142/18	10:34	67		84		82		94			
CCV 480-752142/20	12:09	87		96		93		97			
CCB 480-752142/21	12:10	100		100		99		97			
CCVL 480-752142/22	12:12	100		100		99		97			
MB 480-751886/1-A	12:15	94		94		94		93			
LCSSRM	12:16	84		101		100		102			
480-751886/2-A											
480-231006-3	12:20	77		103		101		107			
480-231006-5	12:22	80		99		96		101			
480-231006-5 SD	12:24	93		100		99		97			
480-231006-5 PDS	12:26	76		95		94		99			
480-231006-5 MS	12:28	73		98		97		103			
480-231006-5 MSD	12:30	74		96		94		100			
CCV 480-752142/33	12:33	87		97		94		96			
CCB 480-752142/34	12:35	101		100		99		97			
CCVL 480-752142/35	12:37	100		100		99		96			
480-231006-12	12:40	76		97		95		101			
480-231006-14	12:42	77		104		101		107			
CCV 480-752142/46	12:59	87		96		93		96			
CCB 480-752142/47	13:01	100		100		99		96			
CCVL 480-752142/48	13:03	100		100		99		96			
IS Name on Instrument											

60-125%

FORM XV - IN

7/25/2025
1:07:07 PM

Calibration Summary

7/18/2025 11:01:47 AM

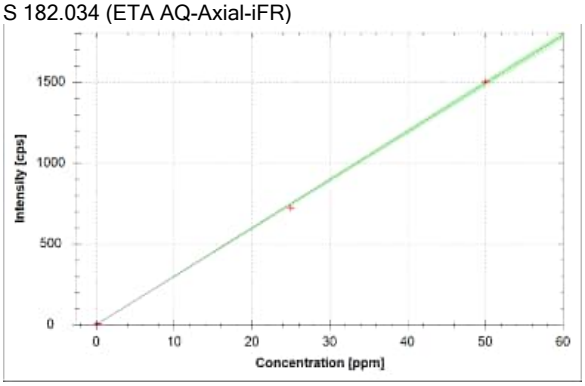
QTEGRA

LabBook: I320250718A.imexp

R>0.995
R2>0.99

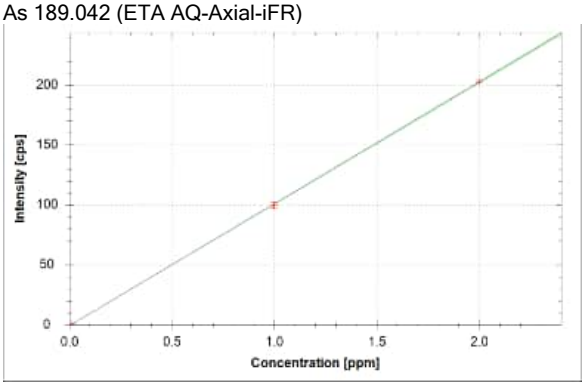
Calibration Graphs

S 182.034 (ETA AQ-Axial-iFR)



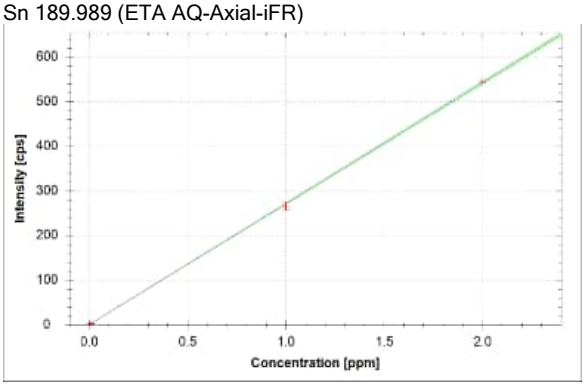
f(x) = 29.8275*x + 1.9112
R² = 0.9995
BEC = 0.064 ppm
LoD = 0.0155 ppm

As 189.042 (ETA AQ-Axial-iFR)



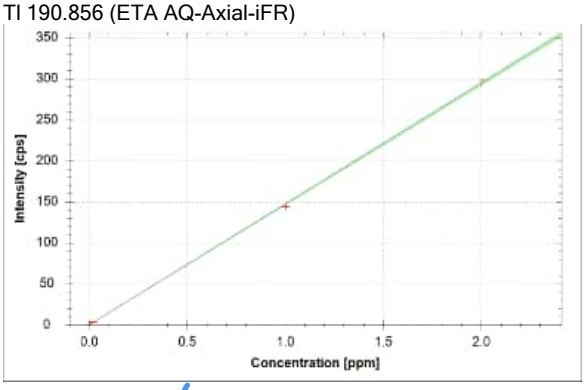
f(x) = 101.5810*x + -0.6179
R² = 0.9999
BEC = -0.006 ppm
LoD = 0.0020 ppm

Sn 189.989 (ETA AQ-Axial-iFR)



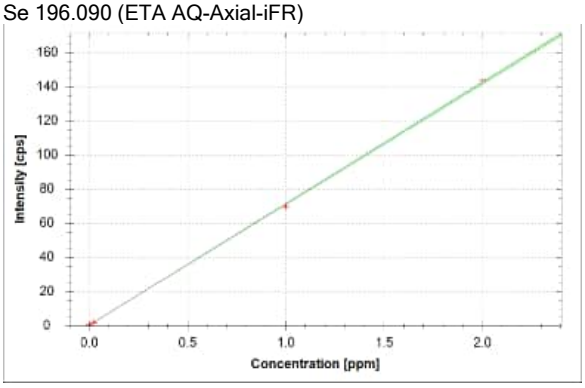
f(x) = 271.1193*x + 0.5243
R² = 0.9998
BEC = 0.002 ppm
LoD = 0.0017 ppm

Tl 190.856 (ETA AQ-Axial-iFR)



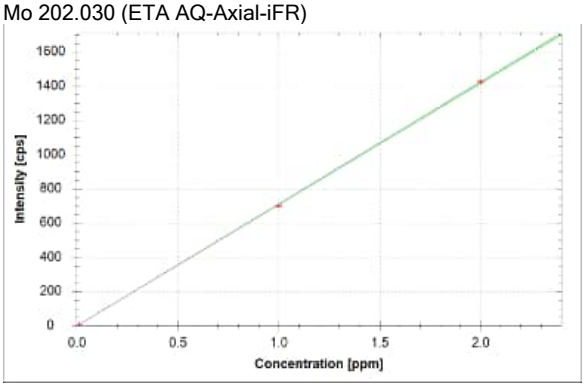
f(x) = 147.0480*x + 0.1128
R² = 0.9997
BEC = 0.001 ppm
LoD = 0.0042 ppm

Se 196.090 (ETA AQ-Axial-iFR)



f(x) = 70.9598*x + 0.3735
R² = 0.9998
BEC = 0.005 ppm
LoD = 0.0097 ppm

Mo 202.030 (ETA AQ-Axial-iFR)



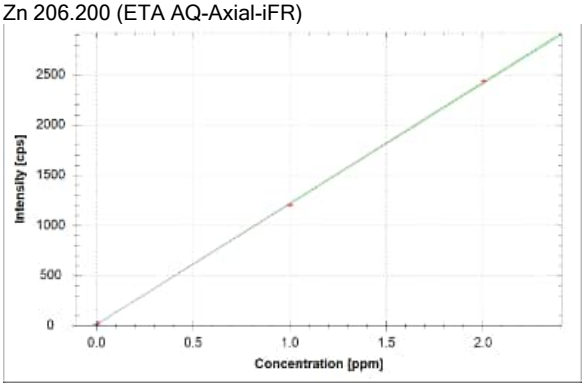
f(x) = 710.4652*x + -0.1100
R² = 0.9999
BEC = 0.000 ppm
LoD = 0.0008 ppm

Calibration Summary

7/18/2025 11:01:47 AM

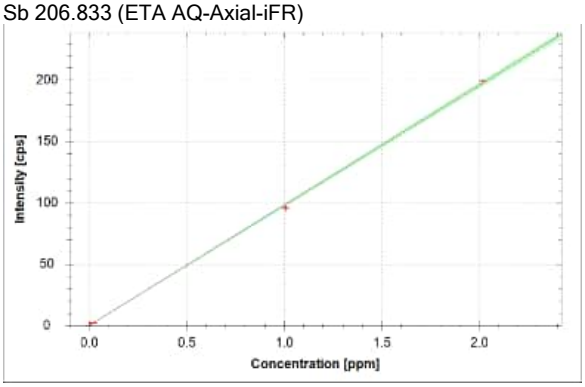
QTEGRA

Zn 206.200 (ETA AQ-Axial-iFR)



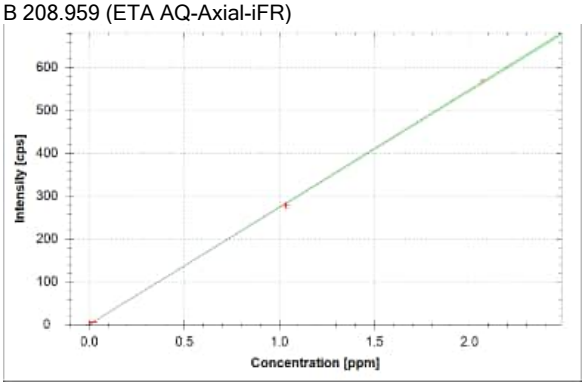
f(x) = 1205.3967*x + 10.6022
R² = 0.9999
BEC = 0.009 ppm
LoD = 0.0010 ppm

Sb 206.833 (ETA AQ-Axial-iFR)



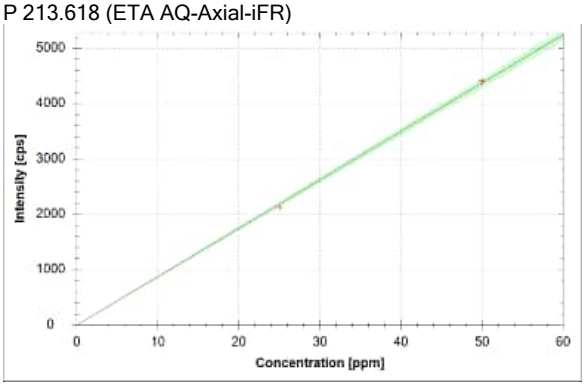
f(x) = 97.8315*x + 0.2814
R² = 0.9996
BEC = 0.003 ppm
LoD = 0.0051 ppm

B 208.959 (ETA AQ-Axial-iFR)



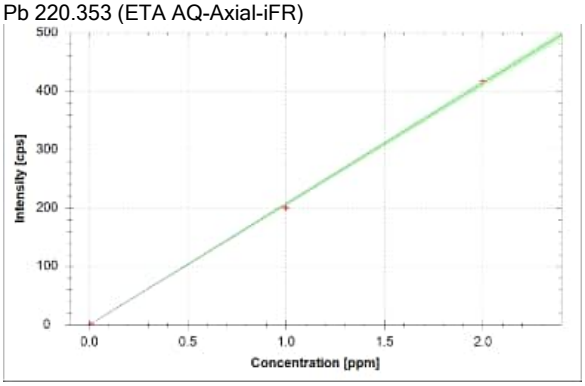
f(x) = 273.0433*x + 1.1408
R² = 0.9999
BEC = 0.004 ppm
LoD = 0.0013 ppm

P 213.618 (ETA AQ-Axial-iFR)



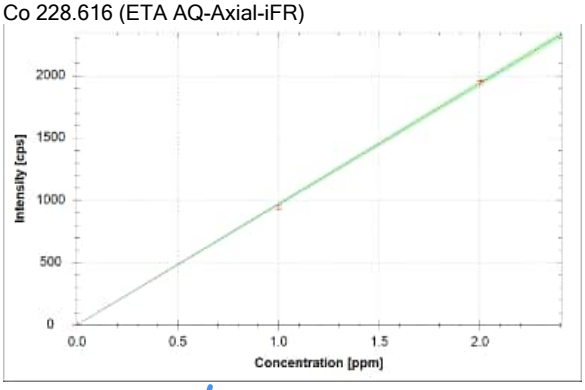
f(x) = 87.3654*x + -0.7395
R² = 0.9995
BEC = -0.008 ppm
LoD = 0.0029 ppm

Pb 220.353 (ETA AQ-Axial-iFR)



f(x) = 206.8408*x + 0.1369
R² = 0.9995
BEC = 0.001 ppm
LoD = 0.0006 ppm

Co 228.616 (ETA AQ-Axial-iFR)



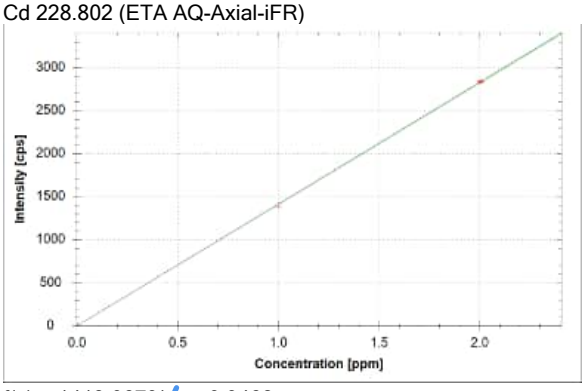
f(x) = 968.5045*x + -0.0705
R² = 0.9996
BEC = 0.000 ppm
LoD = 0.0006 ppm

Calibration Summary

7/18/2025 11:01:47 AM

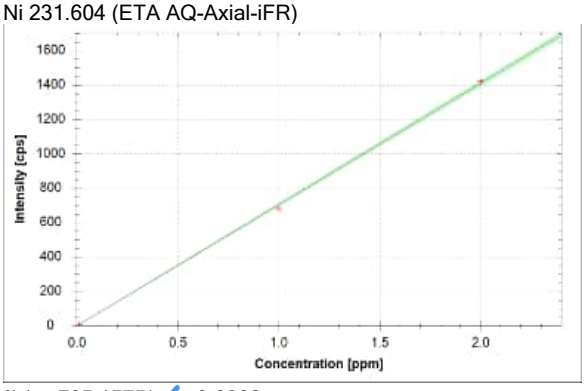
QTEGRA

Cd 228.802 (ETA AQ-Axial-iFR)



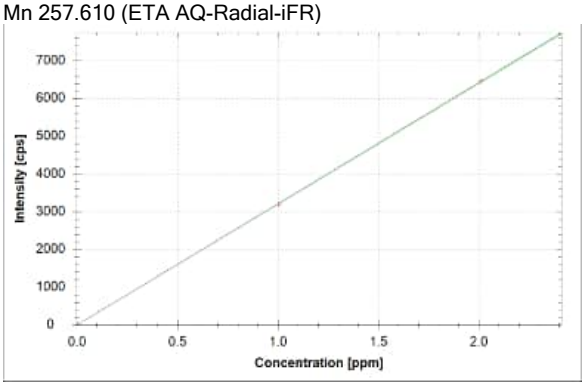
f(x) = 1413.0679*x + -0.9468
R² = 1.0000
BEC = -0.001 ppm
LoD = 0.0001 ppm

Ni 231.604 (ETA AQ-Axial-iFR)



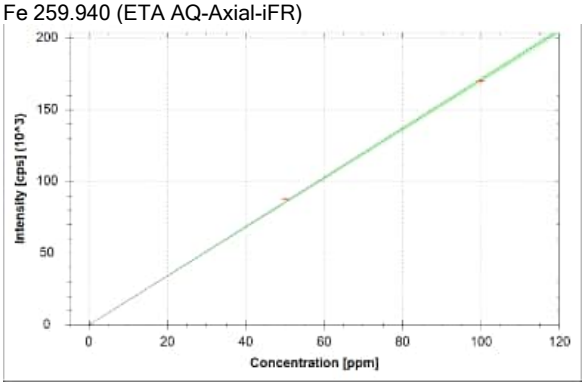
f(x) = 705.1575*x + -0.6038
R² = 0.9995
BEC = -0.001 ppm
LoD = 0.0003 ppm

Mn 257.610 (ETA AQ-Radial-iFR)



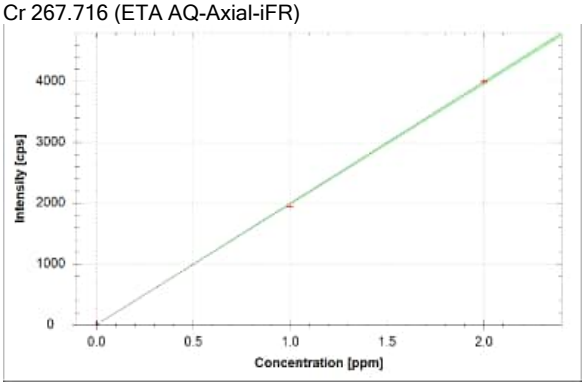
f(x) = 3205.7409*x + -1.0729
R² = 1.0000
BEC = 0.000 ppm
LoD = 0.0002 ppm

Fe 259.940 (ETA AQ-Axial-iFR)



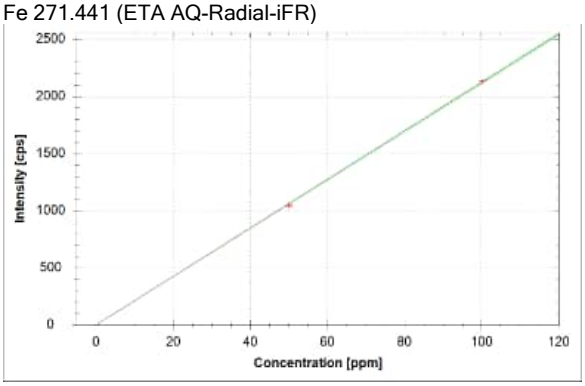
f(x) = 1709.2405*x + 32.4197
R² = 0.9997
BEC = 0.019 ppm
LoD = 0.0008 ppm

Cr 267.716 (ETA AQ-Axial-iFR)



f(x) = 1989.2064*x + 1.3472
R² = 0.9998
BEC = 0.001 ppm
LoD = 0.0004 ppm

Fe 271.441 (ETA AQ-Radial-iFR)



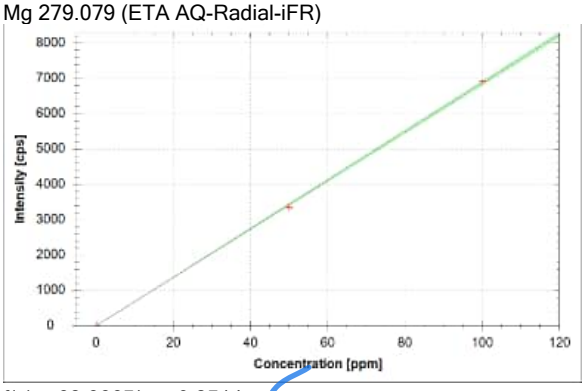
f(x) = 21.2026*x + 0.6315
R² = 0.9999
BEC = 0.030 ppm
LoD = 0.1144 ppm

Calibration Summary

7/18/2025 11:01:47 AM

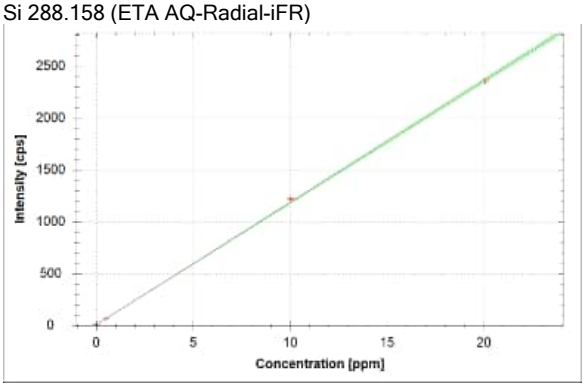
QTEGRA

Mg 279.079 (ETA AQ-Radial-iFR)



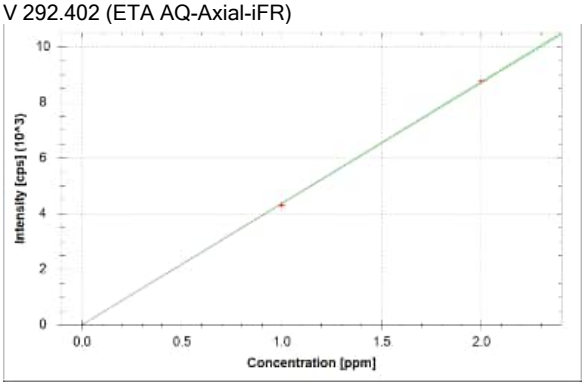
f(x) = 68.6665*x + 0.2514
R² = 0.9997
BEC = 0.004 ppm
LoD = 0.0206 ppm

Si 288.158 (ETA AQ-Radial-iFR)



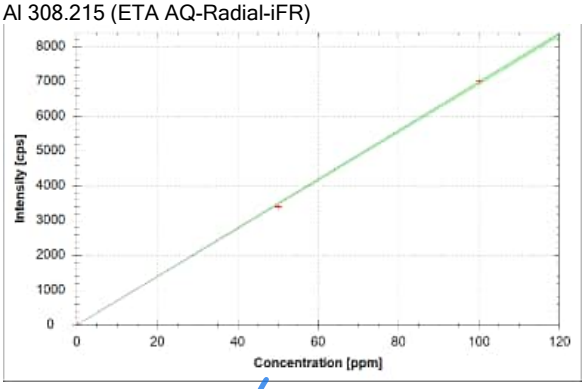
f(x) = 117.6513*x + 10.3701
R² = 0.9996
BEC = 0.088 ppm
LoD = 0.0205 ppm

V 292.402 (ETA AQ-Axial-iFR)



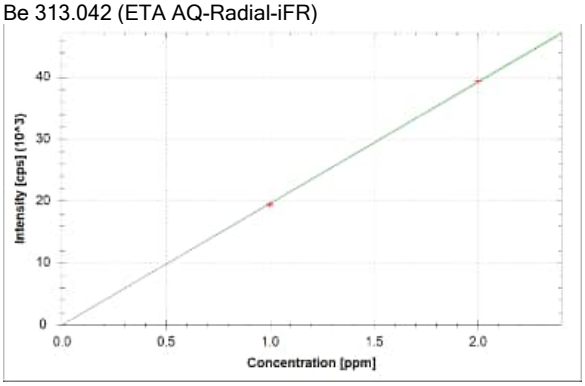
f(x) = 4364.4377*x + 0.7559
R² = 0.9999
BEC = 0.000 ppm
LoD = 0.0005 ppm

Al 308.215 (ETA AQ-Radial-iFR)



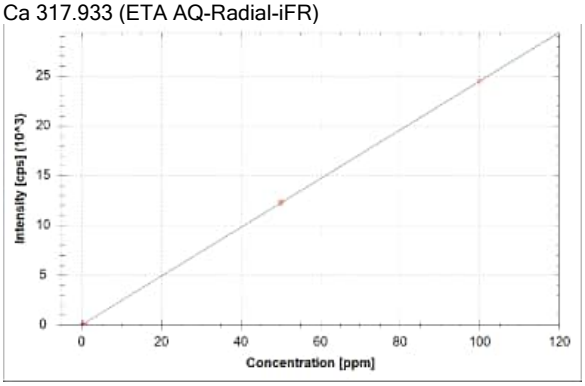
f(x) = 69.6135*x + -0.1165
R² = 0.9997
BEC = -0.002 ppm
LoD = 0.0298 ppm

Be 313.042 (ETA AQ-Radial-iFR)



f(x) = 19618.6488*x + -1.5956
R² = 0.9999
BEC = 0.000 ppm
LoD = 0.0001 ppm

Ca 317.933 (ETA AQ-Radial-iFR)



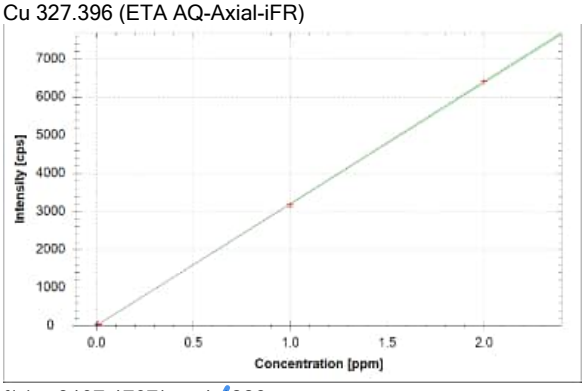
f(x) = 244.7904*x + 11.2383
R² = 1.0000
BEC = 0.046 ppm
LoD = 0.0049 ppm

Calibration Summary

7/18/2025 11:01:47 AM

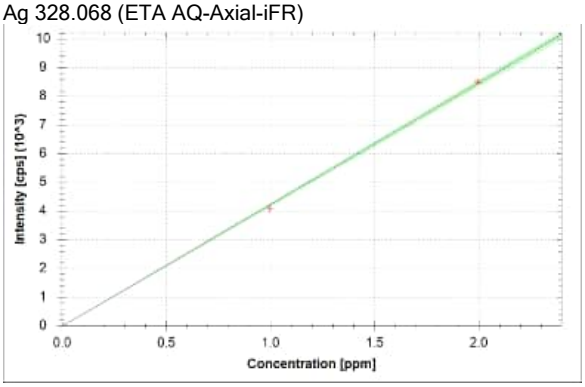
QTEGRA

Cu 327.396 (ETA AQ-Axial-iFR)



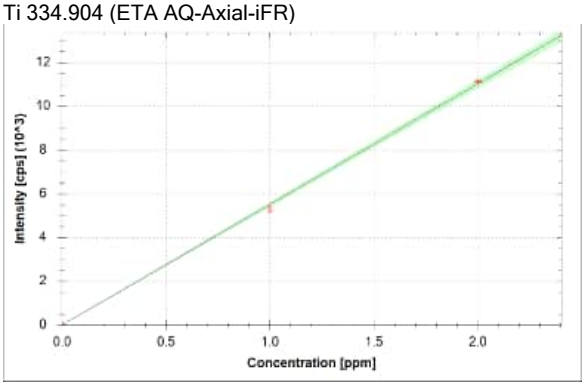
f(x) = 3197.1707*x + 1.1226
R² = 0.9999
BEC = 0.000 ppm
LoD = 0.0004 ppm

Ag 328.068 (ETA AQ-Axial-iFR)



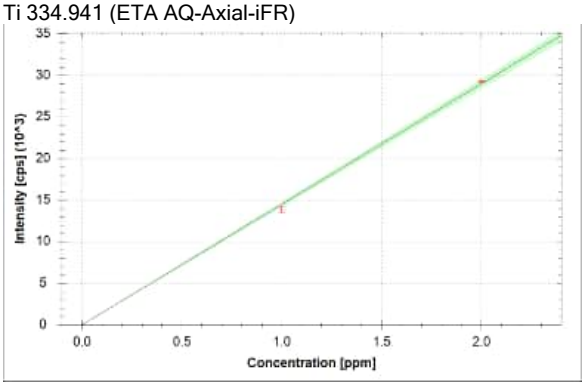
f(x) = 4242.3274*x + -23.3090
R² = 0.9995
BEC = -0.005 ppm
LoD = 0.0005 ppm

Ti 334.904 (ETA AQ-Axial-iFR)



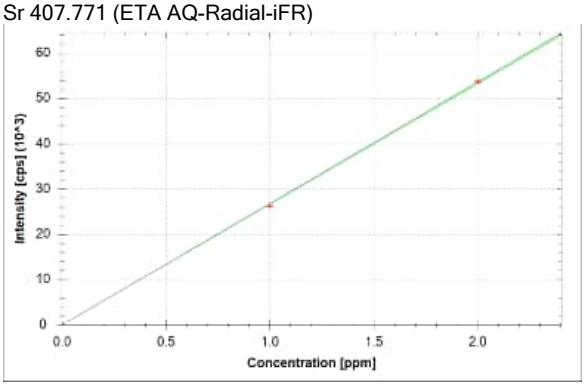
f(x) = 5512.2602*x + -3.6558
R² = 0.9993
BEC = -0.001 ppm
LoD = 0.0001 ppm

Ti 334.941 (ETA AQ-Axial-iFR)



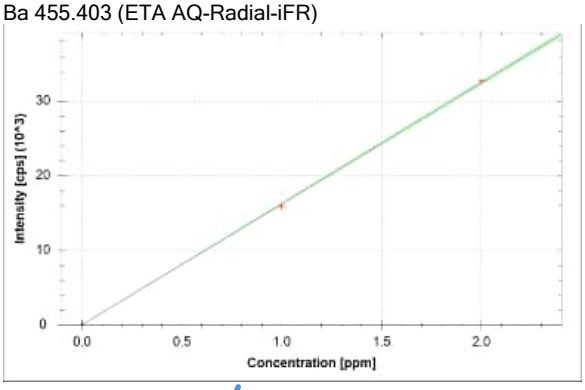
f(x) = 14497.0147*x + 2.8583
R² = 0.9992
BEC = 0.000 ppm
LoD = 0.0002 ppm

Sr 407.771 (ETA AQ-Radial-iFR)



f(x) = 26737.1866*x + -7.5786
R² = 0.9998
BEC = 0.000 ppm
LoD = 0.0001 ppm

Ba 455.403 (ETA AQ-Radial-iFR)



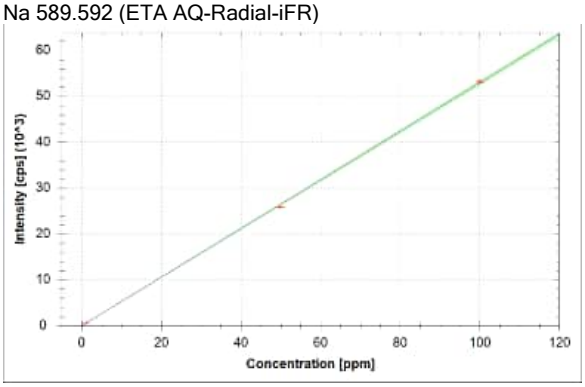
f(x) = 16236.7803*x + 1.5623
R² = 0.9998
BEC = 0.000 ppm
LoD = 0.0005 ppm

Calibration Summary

7/18/2025 11:01:47 AM

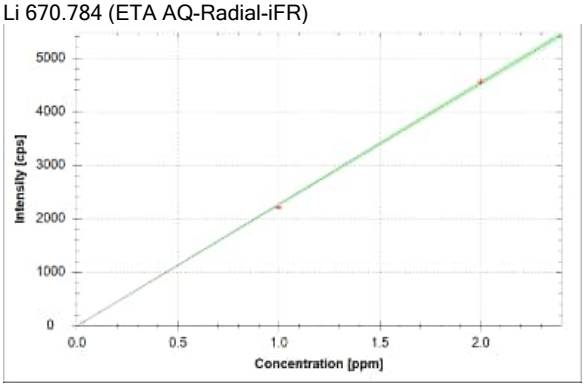
QTEGRA

Na 589.592 (ETA AQ-Radial-iFR)



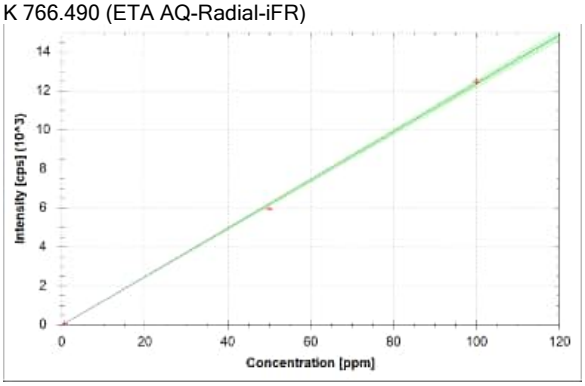
f(x) = 529.3625*x + 33.5564
R² = 0.9998
BEC = 0.063 ppm
LoD = 0.0148 ppm

Li 670.784 (ETA AQ-Radial-iFR)



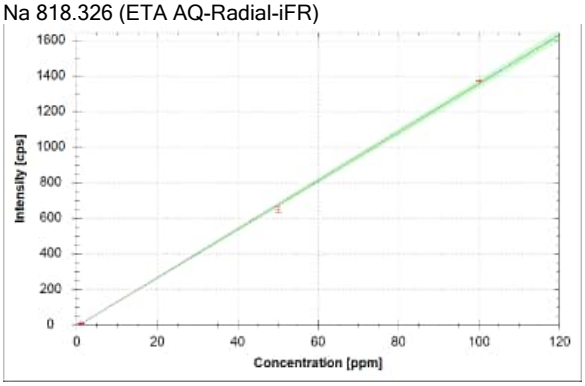
f(x) = 2267.7758*x + -2.9559
R² = 0.9996
BEC = -0.001 ppm
LoD = 0.0033 ppm

K 766.490 (ETA AQ-Radial-iFR)



f(x) = 123.8704*x + -6.7207
R² = 0.9994
BEC = -0.054 ppm
LoD = 0.0359 ppm

Na 818.326 (ETA AQ-Radial-iFR)



f(x) = 13.6351*x + -6.9563
R² = 0.9994
BEC = -0.510 ppm
LoD = 0.0532 ppm

Calibration Summary

7/18/2025 11:01:47 AM

QTEGRA

Analyte (Measure Mode)	Concentration average	Concentration RSD	Standard Concentration	Intensity average	Standard Relative Difference
Co 228.616 (ETA AQ-Axial-iFR)	0.970 ppm	1.6 %	1.000 ppm	815 cps	2.997 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.990 ppm	1.5 %	1.000 ppm	1,353 cps	0.991 %
In 230.606 (ETA AQ-Axial-iFR)	86.592 %	0.3 %		954 cps	0.000 %
Ni 231.604 (ETA AQ-Axial-iFR)	0.968 ppm	1.3 %	1.000 ppm	591 cps	3.153 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.990 ppm	0.1 %	1.000 ppm	3,143 cps	1.037 %
Fe 259.940 (ETA AQ-Axial-iFR)	51.320 ppm	0.6 %	50.000 ppm	84,792 cps	2.640 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.977 ppm	0.4 %	1.000 ppm	1,820 cps	2.263 %
Fe 271.441 (ETA AQ-Radial-iFR)	49.215 ppm	0.9 %	50.000 ppm	1,032 cps	1.569 %
Mg 279.079 (ETA AQ-Radial-iFR)	48.645 ppm	0.4 %	50.000 ppm	3,295 cps	2.710 %
Si 288.158 (ETA AQ-Radial-iFR)	10.273 ppm	0.7 %	10.000 ppm	1,207 cps	2.726 %
V 292.402 (ETA AQ-Axial-iFR)	0.986 ppm	0.5 %	1.000 ppm	4,025 cps	1.425 %
Al 308.215 (ETA AQ-Radial-iFR)	48.793 ppm	0.3 %	50.000 ppm	3,351 cps	2.414 %
Be 313.042 (ETA AQ-Radial-iFR)	0.989 ppm	0.8 %	1.000 ppm	19,143 cps	1.083 %
Ca 317.933 (ETA AQ-Radial-iFR)	50.167 ppm	1.9 %	50.000 ppm	12,130 cps	0.335 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.987 ppm	1.1 %	1.000 ppm	3,048 cps	1.284 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.968 ppm	0.1 %	1.000 ppm	3,813 cps	3.230 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.959 ppm	2.4 %	1.000 ppm	4,950 cps	4.053 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.959 ppm	2.5 %	1.000 ppm	13,013 cps	4.095 %
Y 360.073 (ETA AQ-Axial-iFR)	93.542 %	2.0 %		16,072 cps	0.000 %
Y 360.073 (ETA AQ-Radial-iFR)	98.314 %	1.2 %		1,873 cps	0.000 %
Y 377.433 (ETA AQ-Radial-iFR)	98.647 %	0.7 %		2,405 cps	0.000 %
Sr 407.771 (ETA AQ-Radial-iFR)	0.979 ppm	0.5 %	1.000 ppm	25,856 cps	2.055 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.977 ppm	0.8 %	1.000 ppm	15,648 cps	2.323 %
Na 589.592 (ETA AQ-Radial-iFR)	48.890 ppm	0.4 %	50.000 ppm	25,563 cps	2.220 %
Li 670.784 (ETA AQ-Radial-iFR)	0.972 ppm	0.4 %	1.000 ppm	2,171 cps	2.803 %
K 766.490 (ETA AQ-Radial-iFR)	48.156 ppm	0.8 %	50.000 ppm	5,877 cps	3.689 %
Na 818.326 (ETA AQ-Radial-iFR)	48.117 ppm	2.4 %	50.000 ppm	640 cps	3.766 %

Standard: IC-8325361
Analysis started at: 7/18/2025 9:52:17 AM
Standard (Stock): IC-8325361
Standard DF: 1

Analyte (Measure Mode)	Concentration average	Concentration RSD	Standard Concentration	Intensity average	Standard Relative Difference
S 182.034 (ETA AQ-Axial-iFR)	0.192 ppm	4.2 %	0.200 ppm	8 cps	4.219 %
As 189.042 (ETA AQ-Axial-iFR)	0.014 ppm	18.6 %	0.015 ppm	1 cps	8.920 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.009 ppm	10.8 %	0.010 ppm	3 cps	7.559 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.021 ppm	7.2 %	0.020 ppm	3 cps	4.935 %
Se 196.090 (ETA AQ-Axial-iFR)	0.023 ppm	14.8 %	0.025 ppm	2 cps	9.951 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.010 ppm	2.0 %	0.010 ppm	7 cps	0.356 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.010 ppm	2.0 %	0.010 ppm	22 cps	2.042 %
Sb 206.833 (ETA AQ-Axial-iFR)	0.019 ppm	15.7 %	0.020 ppm	2 cps	5.952 %
B 208.959 (ETA AQ-Axial-iFR)	0.020 ppm	2.9 %	0.020 ppm	7 cps	2.360 %
P 213.618 (ETA AQ-Axial-iFR)	N/A	N/A	N/A	-1 cps	N/A
Pb 220.353 (ETA AQ-Axial-iFR)	0.008 ppm	10.2 %	0.010 ppm	2 cps	15.483 %
Y 224.306 (ETA AQ-Axial-iFR)	100.078 %	0.3 %		1,123 cps	0.000 %
Y 224.306 (ETA AQ-Radial-iFR)	98.842 %	1.4 %		185 cps	0.000 %
Co 228.616 (ETA AQ-Axial-iFR)	0.004 ppm	12.6 %	0.004 ppm	3 cps	10.668 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.002 ppm	9.3 %	0.002 ppm	2 cps	0.152 %
In 230.606 (ETA AQ-Axial-iFR)	99.861 %	0.2 %		1,100 cps	0.000 %
Ni 231.604 (ETA AQ-Axial-iFR)	0.010 ppm	4.4 %	0.010 ppm	6 cps	4.434 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.003 ppm	8.0 %	0.003 ppm	7 cps	13.623 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.055 ppm	0.3 %	0.050 ppm	127 cps	10.625 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.004 ppm	3.1 %	0.004 ppm	9 cps	5.964 %
Fe 271.441 (ETA AQ-Radial-iFR)	0.068 ppm	37.7 %	0.050 ppm	2 cps	35.721 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.190 ppm	8.7 %	0.200 ppm	13 cps	5.131 %
Si 288.158 (ETA AQ-Radial-iFR)	0.457 ppm	1.1 %	0.500 ppm	64 cps	8.663 %
V 292.402 (ETA AQ-Axial-iFR)	0.005 ppm	3.0 %	0.005 ppm	21 cps	6.235 %
Al 308.215 (ETA AQ-Radial-iFR)	0.193 ppm	3.8 %	0.200 ppm	13 cps	3.481 %
Be 313.042 (ETA AQ-Radial-iFR)	0.002 ppm	2.2 %	0.002 ppm	38 cps	0.409 %
Ca 317.933 (ETA AQ-Radial-iFR)	0.504 ppm	1.0 %	0.500 ppm	134 cps	0.840 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.010 ppm	3.1 %	0.010 ppm	33 cps	0.573 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.006 ppm	3.6 %	0.006 ppm	1 cps	5.232 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.005 ppm	1.6 %	0.005 ppm	22 cps	8.748 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.004 ppm	0.7 %	0.005 ppm	67 cps	10.796 %
Y 360.073 (ETA AQ-Axial-iFR)	99.932 %	0.4 %		17,170 cps	0.000 %
Y 360.073 (ETA AQ-Radial-iFR)	99.320 %	0.8 %		1,892 cps	0.000 %

>20% - Qual Fe J,IC

Calibration Summary

7/18/2025 11:01:47 AM

Analyte (Measure Mode)	Concentration average	Concentration RSD	Standard Concentration	Intensity average	Standard Relative Difference
Y 377.433 (ETA AQ-Radial-iFR)	99.466 %	1.2 %		2,425 cps	0.000 %
Sr 407.771 (ETA AQ-Radial-iFR)	0.005 ppm	1.0 %	0.005 ppm	122 cps	2.524 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.002 ppm	5.0 %	0.002 ppm	34 cps	0.152 %
Na 589.592 (ETA AQ-Radial-iFR)	0.973 ppm	0.3 %	1.000 ppm	545 cps	2.743 %
Li 670.784 (ETA AQ-Radial-iFR)	0.030 ppm	3.6 %	0.030 ppm	65 cps	0.423 %
K 766.490 (ETA AQ-Radial-iFR)	0.487 ppm	8.3 %	0.500 ppm	53 cps	2.503 %
Na 818.326 (ETA AQ-Radial-iFR)	0.995 ppm	6.6 %	1.000 ppm	7 cps	0.514 %

Report Generated By Teledyne Leeman QuickTrace

Analyst: BufHG4

Worksheet file: C:\Users\Public\Documents\Teledyne CETAC\QuickTrace\Worksheets\K20250714A.wszf

Creation Date: 7/14/2025 12:17:03 PM

Comment:

Results

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD (40%)	Residual	Flags	DF	% Recovery
Calibration Blank	STD	07/14/25 12:23:14 pm	0.000	40	36.00	-1.56		1.0000	N/A
Replicates	25.1	30.6	53.6	51.6					
Standard #1	STD	07/14/25 12:24:32 pm	0.100	718	2.12	-7.55		1.0000	N/A
Replicates	710.3	719.5	738.0	702.7					
Standard #2	STD	07/14/25 12:25:50 pm	0.500	3791	1.48	19.09		1.0000	N/A
Replicates	3741.6	3825.5	3852.3	3746.3					
Standard #3	STD	07/14/25 12:27:09 pm	2.000	14911	1.62	62.51		1.0000	N/A
Replicates	14769.1	15070.7	15157.2	14648.2					
Standard #4	STD	07/14/25 12:28:27 pm	10.000	72767	1.76	92.78		1.0000	N/A
Replicates	72274.0	73512.3	74071.8	71211.0					
Standard #5	STD	07/14/25 12:29:46 pm	20.000	142946	1.71	-166.51		1.0000	N/A
Replicates	141481.0	144436.1	145537.6	140331.1					

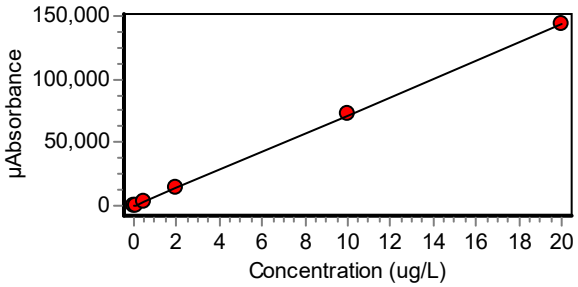
Calibration

Equation: Abs = 7204.728x + 51.504

R2: 0.99987 (r2 >0.99)

SEE: 726.4243

Flags:



ICV	ICV	07/14/25 12:31:06 pm	3.067	22147	1.76			1.0000	102.23
Replicates	21922.2	22371.6	22567.9	21727.1					
ICB	ICB	07/14/25 12:32:23 pm	-0.004	19	14.71			1.0000	N/A
Replicates	17.6	26.1	15.1	19.1					
ICVL	CRDL	07/14/25 12:33:43 pm	0.192	1434	2.28			1.0000	95.92
Replicates	1400.3	1440.2	1474.2	1420.2					
CCV	CCV	07/14/25 12:35:03 pm	2.027	14653	1.76			1.0000	101.34
Replicates	14468.6	14784.4	14949.7	14410.7					
CCB	CCB	07/14/25 12:36:20 pm	-0.006	8	27.93			1.0000	N/A
Replicates	0.6	12.6	23.4	-3.1					
480-231007-C-4-A	UNK	07/14/25 12:37:39 pm	0.254	1879	1.36			1.0000	N/A
Replicates	1857.7	1893.0	1907.7	1859.2					
480-231007-C-5-A	UNK	07/14/25 12:38:57 pm	0.148	1119	3.09			1.0000	N/A
Replicates	1087.9	1135.5	1157.8	1096.3					

METALS BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 751886 Batch Start Date: 07/17/25 08:43 Batch Analyst: O'Brien, Emily M

Batch Method: 3050B Batch End Date: 07/17/25 13:13

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	MED_03_Ag 00223	MED_SRM_D087 00049	MEP_Mix4 00021	Spike Mx 1 00010
MB 480-751886/1		3050B, 6010D			0.4710 g	50 mL				
LCSSRM 480-751886/2		3050B, 6010D			0.4836 g	50 mL		0.4836 g		
480-231006-B-3	SB1-12'-48"	3050B, 6010D	Solid	T	0.4743 g	50 mL				
480-231006-B-5	SB1-5'-8'	3050B, 6010D	Solid	T	0.4797 g	50 mL				
480-231006-B-5 MS	SB1-5'-8'	3050B, 6010D		T	0.5204 g	50 mL	0.5 mL		0.5 mL	0.5 mL
480-231006-B-5 MSD	SB1-5'-8'	3050B, 6010D		T	0.4807 g	50 mL	0.5 mL		0.5 mL	0.5 mL
480-231006-B-12	SB2-12"-5'	3050B, 6010D	Solid	T	0.4956 g	50 mL				
480-231006-B-14	SB2-9'-10'	3050B, 6010D	Solid	T	0.4917 g	50 mL				

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	Spike Mx 2 00008	Spike Mx 3 00008				
MB 480-751886/1		3050B, 6010D								
LCSSRM 480-751886/2		3050B, 6010D								
480-231006-B-3	SB1-12'-48"	3050B, 6010D	Solid	T						
480-231006-B-5	SB1-5'-8'	3050B, 6010D	Solid	T						
480-231006-B-5 MS	SB1-5'-8'	3050B, 6010D		T	0.5 mL	0.5 mL				
480-231006-B-5 MSD	SB1-5'-8'	3050B, 6010D		T	0.5 mL	0.5 mL				
480-231006-B-12	SB2-12"-5'	3050B, 6010D	Solid	T						
480-231006-B-14	SB2-9'-10'	3050B, 6010D	Solid	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 751886 Batch Start Date: 07/17/25 08:43 Batch Analyst: O'Brien, Emily M

Batch Method: 3050B Batch End Date: 07/17/25 13:13

Batch Notes	
Blank Soil Lot Number	7978231
Balance ID	D3159000083
Balance is Level? (Y/N)	yes
Digestion Tube/Cup ID	LV24090105
Pipette/Syringe/Dispenser ID	MDL-4
Analyst ID - Spike Analyst	EO
Hydrochloric Acid ID	8338324
Nitric Acid ID	8348388
Hydrogen Peroxide ID	8286595
Digestion Unit ID	D
Thermometer ID	211049591
Thermometer Location ID	F5
Temperature - Uncorrected - Start	93.7 Degrees C
Temperature - Corrected - Start	93.8 Degrees C
Temperature - Uncorrected - End	94.7. Degrees C
Temperature - Corrected - End	94.8 Degrees C
Digestion Start Time	07/17/2025 08:43
Digestion End Time	07/17/2025 13:13
Batch Comment	manual

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 751621 Batch Start Date: 07/14/25 10:43 Batch Analyst: Boytar, Emily S

Batch Method: 7471B Batch End Date: 07/14/25 11:13

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	MED_SRM_D087 00049			
MB 480-751621/1		7471B, 7471B			0.6155 g	50 mL				
LCSSRM 480-751621/2		7471B, 7471B			0.2557 g	50 mL	0.2557 g			
480-231006-B-3	SB1-12'-48"	7471B, 7471B	Solid	T	0.6127 g	50 mL				
480-231006-B-5	SB1-5'-8'	7471B, 7471B	Solid	T	0.5702 g	50 mL				
480-231006-B-12	SB2-12"-5'	7471B, 7471B	Solid	T	0.6254 g	50 mL				
480-231006-B-14	SB2-9'-10'	7471B, 7471B	Solid	T	0.5934 g	50 mL				

Batch Notes	
Balance ID	D1315900083
Blank Matrix ID	8345605
Digestion Tube/Cup ID	LV24090105
Pipette/Syringe/Dispenser ID	Hg-5
Analyst ID - Spike Analyst	EB
Hydrochloric Acid ID	8323295
Nitric Acid ID	8367628
Potassium Permanganate ID	8356328
Digestion Unit ID	Hg-A
Thermometer ID	211049591
Temperature - Uncorrected - Start	95.8 Degrees C
Temperature - Corrected - Start	95.1 Degrees C
Digestion Start Time	07/14/2025 10:43
Digestion End Time	07/14/2025 11:13
Temperature - Uncorrected - End	94.0 Degrees C
Temperature - Corrected - End	93.3 Degrees C
Hydroxylamine ID	8359220
Batch Comment	spike 1 @ 1018

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 751621 Batch Start Date: 07/14/25 10:43 Batch Analyst: Boytar, Emily S

Batch Method: 7471B Batch End Date: 07/14/25 11:13

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-231006-1

SDG No.:

Project: HPN HVAC Upgrades - JA257025

Client Sample ID	Lab Sample ID
SB1-12"-18"	480-231006-1
SB1-12'-48"	480-231006-3
SB1-7'-8'	480-231006-4
SB1-5'-8'	480-231006-5
SB2-4'	480-231006-9
SB2-4' DUP	480-231006-10
SB2-12"-5'	480-231006-12
SB2-9'-10'	480-231006-14

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job Number: 480-231006-1

SDG No.:

Project: HPN HVAC Upgrades - JA257025

Client Sample ID	Lab Sample ID
SB1-18"-30"	480-231006-2
SB2-12"-18"	480-231006-7
SB2-12"-18" DUP	480-231006-8
SB2-24"-36"	480-231006-11
SB2-9'-10'	480-231006-13

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-231006-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-231006-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 480-231006-1

SDG Number:

Matrix: Solid Instrument ID: D55_INS_000001

Method: Moisture RL Date: 10/16/2018 12:54

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 480-231006-1

SDG Number:

Matrix: Solid Instrument ID: D55_INS_000001

Method: Moisture XMDL Date: 10/16/2018 09:12

Analyte	Wavelength/ Mass	XRL (%)	XMDL (%)
Percent Moisture		1	0.1

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 07/15/2025 14:58 End Date: 07/15/2025 14:59

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ (Client)			14:58																				
ZZZZZZ (Client)			14:58																				
480-231006-1	1	T	14:58	X	X																		
480-231006-3	1	T	14:58	X	X																		
480-231006-4	1	T	14:58	X	X																		
480-231006-4 MS	1	T	14:58	X	X																		
480-231006-4 MSD	1	T	14:58	X	X																		
480-231006-5	1	T	14:58	X	X																		
480-231006-9	1	T	14:58	X	X																		
480-231006-10	1	T	14:58	X	X																		
480-231006-12	1	T	14:59	X	X																		
480-231006-14	1	T	14:59	X	X																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-231006-1

SDG No.:

Instrument ID: D55_INS_000001 Method: Moisture

Start Date: 07/21/2025 10:52 End Date: 07/21/2025 10:52

Lab Sample ID	D / F	Type	Time	Analytes																			
				Moist																			
480-231006-2	1	T	10:52	X																			
480-231006-7	1	T	10:52	X																			
480-231006-8	1	T	10:52	X																			
480-231006-11	1	T	10:52	X																			
480-231006-13	1	T	10:52	X																			
ZZZZZZ (Client)			10:52																				
ZZZZZZ (Client)			10:52																				
ZZZZZZ (Client)			10:52																				
ZZZZZZ (Client)			10:52																				
ZZZZZZ (Client)			10:52																				
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ZZZZZZ (Client)			10:52																				
ZZZZZZ (Client)			10:52																				
ZZZZZZ (Client)			10:52																				

Prep Types
T = Total/NA

General Chemistry Raw Data Report

Job ID: 480-231006-1

Batch: 751816 **Analyst Initials: MAN**

Method: Moisture **Instrument: No Equipment Used for this Test**

Lab Sample ID: 480-231006-B-1

Analysis Date: Jul 15, 2025 14:58

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	6.1465721040189	%
Percent Solids	None	1	93.8534278959811	%

Lab Sample ID: 480-231006-B-3

Analysis Date: Jul 15, 2025 14:58

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	5.95446584938701	%
Percent Solids	None	1	94.045534150613	%

Lab Sample ID: 480-231006-B-4

Analysis Date: Jul 15, 2025 14:58

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	10.6060606060606	%
Percent Solids	None	1	89.3939393939394	%

Lab Sample ID: 480-231006-B-4 MS

Analysis Date: Jul 15, 2025 14:58

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	10.3529411764706	%
Percent Solids	None	1	89.6470588235294	%

Lab Sample ID: 480-231006-B-4 MSD

Analysis Date: Jul 15, 2025 14:58

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	10.1633393829401	%
Percent Solids	None	1	89.8366606170599	%

Lab Sample ID: 480-231006-B-5

Analysis Date: Jul 15, 2025 14:58

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	3.97643593519879	%
Percent Solids	None	1	96.0235640648012	%

Lab Sample ID: 480-231006-A-9

Analysis Date: Jul 15, 2025 14:58

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	8.23373173970781	%
Percent Solids	None	1	91.7662682602922	%

Lab Sample ID: 480-231006-A-10

Analysis Date: Jul 15, 2025 14:58

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	9.82721382289419	%
Percent Solids	None	1	90.1727861771058	%

Lab Sample ID: 480-231006-B-12

Analysis Date: Jul 15, 2025 14:59

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	10.2844638949672	%
Percent Solids	None	1	89.7155361050328	%

Batch: 751816 (Continued)

Analyst Initials: MAN

Method: Moisture

Instrument: No Equipment Used for this Test

Lab Sample ID: 480-231006-B-14

Analysis Date: Jul 15, 2025 14:59

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	9.1362126245847	%
Percent Solids	None	1	90.8637873754153	%

Bath 7 51816 7/15/25

Cup #	Sample ID	Cup Weight	Cup #	Sample ID	Cup Weight
1-2	231050 1-2	4.25			
3	231006 1				
5-9	231006 3-5 4mstp			7/15/25	
12-13	231006 9-10				
15	231006 12				
17	231006 14				
				7/15/25	

Inquired with lab - see section 6 - no qual needed - values in batch worksheet are accurate

reported as 7.7% in PFAS fraction and in EDD

Overview

- Name: 480-231006-A-2
- Method: TGM800 65147 Copy
- Moisture Average: 7.87 %
- Moisture Std. Dev.: ± 0 %
- Moisture %RSD: 0 %

Replicates

Comments	Analysis Date	Analysis Duration	Initial Mass (g)	Moisture	Crucible Mass (g)	Moisture Mass	Moisture Temperature
moist gritty soil roots STONES	7/21/2025 10:52:30 AM	02:10:16 hh:mm:ss	2.3346 g	7.87 %	0.9387 g	2.15 g	106 °C

Overview

- Name: 480-231006-A-7
- Method: TGM800 65147 Copy
- Moisture Average: 11.2 %
- Moisture Std. Dev.: ± 0 %
- Moisture %RSD: 0 %

Replicates

Comments	Analysis Date	Analysis Duration	Initial Mass (g)	Moisture	Crucible Mass (g)	Moisture Mass (g)	Moisture Temperature (°C)
moist gritty soil clumps roots stones	7/21/2025 10:52:30 AM	02:10:32 hh:mm:ss	2.5015 g	11.2 %	0.9421 g	2.22 g	106 °C

reported as 7.2 in PFAS fraction and EDD

Overview

- Name: 480-231006-A-8
- Method: TGM800 65147 Copy
- Moisture Average: 7.09 %
- Moisture Std. Dev.: ± 0 %
- Moisture %RSD: 0 %

Replicates

Comments	Analysis Date	Analysis Duration	Initial Mass (g)	Moisture	Crucible Mass (g)	Moisture Mass (g)	Moisture Temperature (°C)
moist gritty soil STONES	7/21/2025 10:52:30 AM	02:06:14 hh:mm:ss	3.4908 g	7.09 %	0.9397 g	3.24 g	106 °C

Overview

- Name: 480-231006-A-11
- Method: TGM800 65147 Copy
- Moisture Average: 8.87 %
- Moisture Std. Dev.: ± 0 %
- Moisture %RSD: 0 %

Replicates

Comments	Analysis Date	Analysis Duration	Initial Mass (g)	Moisture	Crucible Mass (g)	Moisture Mass (g)	Moisture Temperature (°C)
moist gritty soil clumps stones	7/21/2025 10:52:30 AM	02:06:30 hh:mm:ss	3.8794 g	8.87 %	0.9419 g	3.54 g	106 °C

Overview

- Name: 480-231006-A-13
- Method: TGM800 65147 Copy
- Moisture Average: 12.3 %
- Moisture Std. Dev.: ± 0 %
- Moisture %RSD: 0 %

Replicates

Comments	Analysis Date	Analysis Duration	Initial Mass (g)	Moisture	Crucible Mass (g)	Moisture Mass (g)	Moisture Temperature (°C)
moist gritty soil clumps stones	7/21/2025 10:52:30 AM	02:06:46 hh:mm:ss	3.2921 g	12.3 %	0.9473 g	2.89 g	106 °C

Overview

- Name: 410-232525-A-2
- Method: TGM800 65147 Copy
- Moisture Average: 76.3 %
- Moisture Std. Dev.: ± 0 %
- Moisture %RSD: 0 %

Replicates

Comments	Analysis Date	Analysis Duration	Initial Mass (g)	Moisture	Crucible Mass (g)	Moisture Mass (g)	Moisture Temperature (°C)
WET soil roots	7/21/2025 10:52:30 AM	02:07:02 hh:mm:ss	2.4832 g	76.3 %	0.9471 g	0.590 g	106 °C

Overview

- Name: 410-232525-A-5
- Method: TGM800 65147 Copy
- Moisture Average: 23.7 %
- Moisture Std. Dev.: ± 0 %
- Moisture %RSD: 0 %

Replicates

Comments	Analysis Date	Analysis Duration	Initial Mass (g)	Moisture	Crucible Mass (g)	Moisture Mass (g)	Moisture Temperature (°C)
WET loose sand stones	7/21/2025 10:52:30 AM	02:07:18 hh:mm:ss	5.2427 g	23.7 %	0.9407 g	4.00 g	106 °C

Overview

- Name: 410-232525-B-7
- Method: TGM800 65147 Copy
- Moisture Average: 22.6 %
- Moisture Std. Dev.: ± 0 %
- Moisture %RSD: 0 %

Replicates

Comments	Analysis Date	Analysis Duration	Initial Mass (g)	Moisture	Crucible Mass (g)	Moisture Mass (g)	Moisture Temperature (°C)
WET loose sand STONES	7/21/2025 10:52:30 AM	02:07:34 hh:mm:ss	3.8965 g	22.6 %	0.9392 g	3.02 g	106 °C

Overview

- Name: 410-232525-B-9
- Method: TGM800 65147 Copy
- Moisture Average: 26.3 %
- Moisture Std. Dev.: ± 0 %
- Moisture %RSD: 0 %

Replicates

Comments	Analysis Date	Analysis Duration	Initial Mass (g)	Moisture	Crucible Mass (g)	Moisture Mass (g)	Moisture Temperature (°C)
WET loose sand	7/21/2025 10:52:30 AM	02:07:50 hh:mm:ss	4.7046 g	26.3 %	0.9395 g	3.47 g	106 °C

Overview

- Name: 410-232525-B-11
- Method: TGM800 65147 Copy
- Moisture Average: 24.5 %
- Moisture Std. Dev.: ± 0 %
- Moisture %RSD: 0 %

Replicates

Comments	Analysis Date	Analysis Duration	Initial Mass (g)	Moisture	Crucible Mass (g)	Moisture Mass (g)	Moisture Temperature (°C)
WET loose sand	7/21/2025 10:52:30 AM	02:08:06 hh:mm:ss	3.3924 g	24.5 %	0.9403 g	2.56 g	106 °C

Overview

- Name: 410-232867-A-5
- Method: TGM800 65147 Copy
- Moisture Average: 20.4 %
- Moisture Std. Dev.: ± 0 %
- Moisture %RSD: 0 %

Replicates

Comments	Analysis Date	Analysis Duration	Initial Mass (g)	Moisture	Crucible Mass (g)	Moisture Mass (g)	Moisture Temperature (°C)
moist soil clumps stones	7/21/2025 10:52:30 AM	02:08:22 hh:mm:ss	4.7857 g	20.4 %	0.9413 g	3.81 g	106 °C

Overview

- Name: 410-232867-A-10
- Method: TGM800 65147 Copy
- Moisture Average: 20.6 %
- Moisture Std. Dev.: ± 0 %
- Moisture %RSD: 0 %

Replicates

Comments	Analysis Date	Analysis Duration	Initial Mass (g)	Moisture	Crucible Mass (g)	Moisture Mass (g)	Moisture Temperature (°C)
moist clay stones	7/21/2025 10:52:30 AM	02:08:39 hh:mm:ss	3.9902 g	20.6 %	0.9560 g	3.17 g	106 °C

Overview

- Name: 410-232867-A-15
- Method: TGM800 65147 Copy
- Moisture Average: 17.5 %
- Moisture Std. Dev.: ± 0 %
- Moisture %RSD: 0 %

Replicates

Comments	Analysis Date	Analysis Duration	Initial Mass (g)	Moisture	Crucible Mass (g)	Moisture Mass (g)	Moisture Temperature (°C)
moist soil roots stones	7/21/2025 10:52:30 AM	02:08:55 hh:mm:ss	4.1188 g	17.5 %	0.9525 g	3.40 g	106 °C

Overview

- Name: 410-232432-A-1
- Method: TGM800 65147 Copy
- Moisture Average: 9.50 %
- Moisture Std. Dev.: ± 0 %

- Moisture %RSD: 0 %

Replicates

Comments	Analysis Date	Analysis Duration	Initial Mass (g)	Moisture	Crucible Mass (g)	Moisture Mass (g)	Moisture Temperature (°C)
loose soil stones	7/21/2025 10:52:30 AM	02:09:11 hh:mm:ss	3.5892 g	9.50 %	0.9440 g	3.25 g	106 °C

Overview

- Name: 410-233010-A-1
- Method: TGM800 65147 Copy
- Moisture Average: 7.62 %
- Moisture Std. Dev.: ± 0 %
- Moisture %RSD: 0 %

Replicates

Comments	Analysis Date	Analysis Duration	Initial Mass (g)	Moisture	Crucible Mass (g)	Moisture Mass (g)	Moisture Temperature (°C)
loose gritty soil stones	7/21/2025 10:52:30 AM	02:09:27 hh:mm:ss	4.5358 g	7.62 %	0.9438 g	4.19 g	106 °C

Overview

- Name: 410-233013-A-1
- Method: TGM800 65147 Copy
- Moisture Average: 3.01 %
- Moisture Std. Dev.: ± 0 %
- Moisture %RSD: 0 %

Replicates

Comments	Analysis Date	Analysis Duration	Initial Mass (g)	Moisture	Crucible Mass (g)	Moisture Mass (g)	Moisture Temperature (°C)
loose fine gritty soil stones	7/21/2025 10:52:30 AM	02:09:43 hh:mm:ss	4.2603 g	3.01 %	0.9465 g	4.13 g	106 °C

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 751816 Batch Start Date: 07/15/25 14:57 Batch Analyst: Neary, Mary A

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry	%_Moisture	%_Solid
480-231006-B-1	SB1-12"-18"	Moisture	Solid	T	3	4.25 g	8.48 g	8.22 g	6.1465721040189 %	93.8534278959811 %
480-231006-B-3	SB1-12'-48"	Moisture	Solid	T	5	4.25 g	9.96 g	9.62 g	5.95446584938701 %	94.045534150613 %
480-231006-B-4	SB1-7'-8'	Moisture	Solid	T	6	4.25 g	7.55 g	7.20 g	10.60606060606 06 %	89.39393939393 94 %
480-231006-B-4 MS	SB1-7'-8'	Moisture	Solid	T	7	4.25 g	8.50 g	8.06 g	10.35294117647 06 %	89.64705882352 94 %
480-231006-B-4 MSD	SB1-7'-8'	Moisture	Solid	T	8	4.25 g	9.76 g	9.20 g	10.16333938294 01 %	89.83666061705 99 %
480-231006-B-5	SB1-5'-8'	Moisture	Solid	T	9	4.25 g	11.04 g	10.77 g	3.976435935198 79 %	96.02356406480 12 %
480-231006-A-9	SB2-4'	Moisture	Solid	T	12	4.25 g	11.78 g	11.16 g	8.233731739707 81 %	91.76626826029 22 %
480-231006-A-10	SB2-4' DUP	Moisture	Solid	T	13	4.25 g	13.51 g	12.60 g	9.827213822894 19 %	90.17278617710 58 %
480-231006-B-12	SB2-12"-5'	Moisture	Solid	T	15	4.25 g	8.82 g	8.35 g	10.28446389496 72 %	89.71553610503 28 %
480-231006-B-14	SB2-9'-10'	Moisture	Solid	T	17	4.25 g	10.27 g	9.72 g	9.136212624584 7 %	90.86378737541 53 %

Batch Notes	
Balance ID	7
Oven ID	GC
Thermometer ID	3243
Date samples were placed in the oven	07/15/2025
Time samples were place in the oven	15:19
Temperature - Uncorrected - Start	110 Degrees C
Oven Temp In	108.5 Degrees C
Date samples were removed from oven	07/16/2025
Time Samples were removed from oven	06:27
Analyst ID - Weighing	VF
Temperature - Uncorrected - End	111 Degrees C
Oven Temp Out	109.5 Degrees C

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-231006-1

SDG No.:

Batch Number: 751816 Batch Start Date: 07/15/25 14:57 Batch Analyst: Neary, Mary A

Batch Method: Moisture Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 480-231006-1

SDG No.:

Batch Number: 674027 Batch Start Date: 07/21/25 10:52 Batch Analyst: McKenzie, Priest

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	DishWeight	SampleMassWet	SampleMassDry	%_Moisture	%_Solid	AnalysisComment
480-231006-A-2	SB1-18"-30"	Moisture	Solid	T	0.9367 g	3.2667 g	3.0867 g	7.725321888412 %	92.27467811158 %	gritty soil roots STONES
480-231006-A-7	SB2-12"-18"	Moisture	Solid	T	0.9402 g	3.4402 g	3.1602 g	11.2 %	88.8 %	moist gritty soil clumps roots stones
480-231006-A-8	SB2-12"-18" DUP	Moisture	Solid	T	0.9377 g	4.4277 g	4.1777 g	7.163323782235 %	92.83667621776 5 %	gritty soil STONES
480-231006-A-11	SB2-24"-36"	Moisture	Solid	T	0.9399 g	4.8199 g	4.4799 g	8.762886597938 11 %	91.23711340206 19 %	gritty soil clumps stones
480-231006-A-13	SB2-9'-10'	Moisture	Solid	T	0.9453 g	4.2353 g	3.8353 g	12.15805471124 62 %	87.84194528875 38 %	moist gritty soil clumps stones

Batch Notes	
Balance ID	D55_INS_000001
Balance is Level? (Y/N)	yes
Oven ID	D55_INS_000001
Thermometer ID	D55_INS_000001
Date samples were placed in the oven	07/21/2025
Time samples were place in the oven	10:52
Oven Temp In	20 Degrees C
Date samples were removed from oven	07/21/2025
Time Samples were removed from oven	10:52
Oven Temp Out	106 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

SECTION 5

PROJECT CORRESPONDENCE

Outlook

RE: HPN HVAC Upgrades - JA257025 - Terracon - SDG 480-231006-1 Request

From Koons, Andrew <Andrew.Koons@terracon.com>
Date Tue 3/3/2026 1:15 PM
To Stephen Zeiner <szeiner@envstd.com>
Cc Sophie Collet <scollet@envstd.com>; Charney, Kris <Kris.Charney@terracon.com>; Ryan VanDette <Ryan.VanDette@et.eurofinsus.com>

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I'm sorry Stephen!! The correct one was just uploaded. Thanks!

Andrew Koons
Project Geologist I Environmental Service Line

Terracon

2410 Walden Ave, Ste. 100 I Buffalo, NY 14225
D (716) 393-4378 I M (716) 417-9150
andrew.koons@terracon.com I Terracon.com

From: Stephen Zeiner <szeiner@envstd.com>
Sent: Tuesday, March 3, 2026 1:09 PM
To: Koons, Andrew <Andrew.Koons@terracon.com>
Cc: Sophie Collet <scollet@envstd.com>; Charney, Kris <Kris.Charney@terracon.com>; Ryan VanDette <Ryan.VanDette@et.eurofinsus.com>
Subject: RE: HPN HVAC Upgrades - JA257025 - Terracon - SDG 480-231006-1 Request

Andrew,

The PDF posted appears to be a repeat of the original package. Can you please provide the revised file?

Regards – Steve

Stephen T. Zeiner, CEAC (Steve/he/him)
Principal Chemist
Environmental Standards, Inc.
(Montrose Environmental Group)
Valley Forge PA | US Eastern Time
Office: Direct 484.808.4386
Cell: 610-329-5552
szeiner@envstd.com | www.envstd.com | www.montrose-env.com

From: Stephen Zeiner
Sent: Monday, March 2, 2026 3:00 PM

To: Koons, Andrew <Andrew.Koons@terracon.com>
Cc: Sophie Collet <scollet@envstd.com>; Charney, Kris <Kris.Charney@terracon.com>; Ryan VanDette <Ryan.VanDette@et.eurofinsus.com>
Subject: RE: HPN HVAC Upgrades - JA257025 - Terracon - SDG 480-231006-1 Request

Hi Andrew,

The PDF has been downloaded.

Much appreciated – Steve

Stephen T. Zeiner, CEAC (Steve/he/him)
Principal Chemist
Environmental Standards, Inc.
(Montrose Environmental Group)
Valley Forge PA | US Eastern Time
Office: Direct 484.808.4386
Cell: 610-329-5552
szeiner@envstd.com | www.envstd.com | www.montrose-env.com

From: Koons, Andrew <Andrew.Koons@terracon.com>
Sent: Monday, March 2, 2026 1:37 PM
To: Stephen Zeiner <szeiner@envstd.com>
Cc: Sophie Collet <scollet@envstd.com>; Charney, Kris <Kris.Charney@terracon.com>; Ryan VanDette <Ryan.VanDette@et.eurofinsus.com>
Subject: RE: HPN HVAC Upgrades - JA257025 - Terracon - SDG 480-231006-1 Request

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The Cat B has been uploaded. Thanks

Andrew Koons
Project Geologist I Environmental Service Line

Terracon

2410 Walden Ave, Ste. 100 I Buffalo, NY 14225
D (716) 393-4378 I M (716) 417-9150
andrew.koons@terracon.com I Terracon.com

From: Stephen Zeiner <szeiner@envstd.com>
Sent: Friday, February 27, 2026 4:45 PM
To: Koons, Andrew <Andrew.Koons@terracon.com>
Cc: Sophie Collet <scollet@envstd.com>; Charney, Kris <Kris.Charney@terracon.com>; Ryan VanDette <Ryan.VanDette@et.eurofinsus.com>
Subject: RE: HPN HVAC Upgrades - JA257025 - Terracon - SDG 480-231006-1 Request

Hi Andrew,

Can you please provide the revised PDF for review?

Have a good day – Steve

Stephen T. Zeiner, CEAC (Steve/he/him)
Principal Chemist
Environmental Standards, Inc.
(Montrose Environmental Group)
Valley Forge PA | US Eastern Time
Office: Direct 484.808.4386
Cell: 610-329-5552
szeiner@envstd.com | www.envstd.com | www.montrose-env.com

From: John Beninati <John.Beninati@et.eurofinsus.com>
Sent: Thursday, February 26, 2026 11:24 AM
To: Stephen Zeiner <szeiner@envstd.com>
Cc: Sophie Collet <scollet@envstd.com>; Koons, Andrew <andrew.koons@terracon.com>; Charney, Kris <kris.charney@terracon.com>; Ryan VanDette <Ryan.VanDette@et.eurofinsus.com>
Subject: RE: HPN HVAC Upgrades - JA257025 - Terracon - SDG 480-231006-1 Request

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Good morning Stephen,

The missing raw data for mercury analysis is now included in the Category B report, This will be submitted to MyEOL shortly for your review/use. Specific to your inquiry regarding % solids, the Principal Chemist at our Lancaster laboratory provided the following response:

- The PDF form is reporting the crucible mass where we are exporting the curable weight into TALs. In theory this would not be an issue except that the manufacture has a nominal density entered for the crucibles. That is where the discrepancy is coming from.

The data in the LIMS is the weight that is being registered on the internal balance of the system so that is correct. No changes need to be made to the data as reported.

We have updated the report formatter so that the system will report the crucible weight and match the LIMS data.

The system only reports out the sample weight to 2 decimal places where the crucible reports out to 4 decimal places so the last 2 digits. The calculation the LIMs performs on the samples means that the last two digits of the sample weight will not show on the report PDF. It should not be an issue for completing the calculation manually but we cannot change the sig figs the instrument reports.

Please let me know if I can assist you with anything else.

Thank you.

John Beninati, P.G.
Project Manager

Eurofins Environment Testing US - Buffalo
10 Hazelwood Drive
Amherst, New York 14228

Direct: 716-504-9874
John.Beninati@ET.EurofinsUS.com
www.EurofinsUS.com/Env

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Learn more about eCOC – our NEW electronic COC application



From: Stephen Zeiner <szeiner@envstd.com>
Sent: Tuesday, February 24, 2026 2:58 PM
To: John Beninati <John.Beninati@et.eurofinsus.com>
Cc: Sophie Collet <scollet@envstd.com>; Koons, Andrew <andrew.koons@terracon.com>; Charney, Kris <kris.charney@terracon.com>; Ryan VanDette <Ryan.VanDette@et.eurofinsus.com>
Subject: HPN HVAC Upgrades - JA257025 - Terracon - SDG 480-231006-1 Request

> **Unverified Sender:** The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Mr. Beninati,

Please confirm receipt of this email.

Environmental Standards has been retained by Terracon to validate the HPN HVAC Upgrades - JA257025 analytical data.

The chemist reviewing SDG 480-231006-1 noted that following items missing from the package.

- The raw data for the mercury analysis (calibrations, samples, and QC samples)
- The information for the percent solids information on pages 5528-5530 (samples 480-231006-2, -7, -8, 11, and -13) did not correspond to the reported percent solids on the General Chemistry Batch Worksheet (page 5533). The percent solids on page 5533 matched the sample summaries and EDD. Please confirm which percent solids is correct.

Contact me with any questions. Please advise on tentative schedule for response.

Regards - Steve

Stephen T. Zeiner, CEAC (Steve/he/him)
Principal Chemist
Environmental Standards, Inc.
(Montrose Environmental Group)
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Cell: 610-329-5552
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From:	Stephen Zeiner
To:	Koons, Andrew
Cc:	Sophie Collet; Charney, Kris; Heather Paul
Subject:	RE: HPN HVAC Upgrades - JA257025 - Terracon - SDG 480-231006-1 Request
Date:	Friday, March 27, 2026 4:55:04 PM
Attachments:	image001.png image002.png

Andrew,
The files are downloaded.

We will get this turned around as quick as possible.

For future events, would you like to have us participate in the kick-off meetings? We can work directly with the laboratory and copy Terracon on lab requests. We can discuss next week.

Have a good weekend!

Stephen T. Zeiner, CEAC (Steve/he/him)
Principal Chemist
Environmental Standards, Inc.
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Valley Forge PA | US Eastern Time
Office: Direct 484.808.4386
Cell: 610-329-5552
szeiner@envstd.com | www.envstd.com | www.montrose-env.com

From: Koons, Andrew <Andrew.Koons@terracon.com>
Sent: Friday, March 27, 2026 2:12 PM
To: Stephen Zeiner <szeiner@envstd.com>
Cc: Sophie Collet <SCollet@envstd.com>; Charney, Kris <Kris.Charney@terracon.com>; Heather Paul <hpaul@envstd.com>
Subject: RE: HPN HVAC Upgrades - JA257025 - Terracon - SDG 480-231006-1 Request

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Sorry I have been having such a hard time with these. All should be uploaded now.

Thanks

Andrew Koons
Project Geologist I Environmental Service Line

Terracon

2410 Walden Ave, Ste. 100 I Buffalo, NY 14225
D (716) 393-4378 I M (716) 417-9150
andrew.koons@terracon.com I Terracon.com

From: Stephen Zeiner <szeiner@envstd.com>
Sent: Friday, March 27, 2026 11:50 AM
To: Koons, Andrew <Andrew.Koons@terracon.com>
Cc: Sophie Collet <SCollet@envstd.com>; Charney, Kris <Kris.Charney@terracon.com>; Heather Paul <hpaul@envstd.com>
Subject: RE: HPN HVAC Upgrades - JA257025 - Terracon - SDG 480-231006-1 Request

Hi Andrew,

The file provide was a copy of the Revision 1 file. Eurofins indicated that there is a Revision 2 file available. Please provide when available.

Have a good day – Steve

Stephen T. Zeiner, CEAC (Steve/he/him)
Principal Chemist
Environmental Standards, Inc.
(Montrose Environmental Group)
Valley Forge PA | US Eastern Time
Office: Direct 484.808.4386
Cell: 610-329-5552
szeiner@envstd.com | www.envstd.com | www.montrose-env.com

From: Stephen Zeiner
Sent: Thursday, March 26, 2026 5:16 PM
To: Koons, Andrew <Andrew.Koons@terracon.com>
Cc: Sophie Collet <scollet@envstd.com>; Charney, Kris <Kris.Charney@terracon.com>
Subject: RE: HPN HVAC Upgrades - JA257025 - Terracon - SDG 480-231006-1 Request

Andrew –

Thanks for sending the file. We will be working to complete the report next week.

Regards – Steve

Stephen T. Zeiner, CEAC (Steve/he/him)
Principal Chemist
Environmental Standards, Inc.
(Montrose Environmental Group)
Valley Forge PA | US Eastern Time
Office: Direct 484.808.4386
Cell: 610-329-5552
szeiner@envstd.com | www.envstd.com | www.montrose-env.com

From: Koons, Andrew <Andrew.Koons@terracon.com>
Sent: Thursday, March 26, 2026 4:08 PM

To: Stephen Zeiner <szeiner@envstd.com>
Cc: Sophie Collet <SCollet@envstd.com>; Charney, Kris <Kris.Charney@terracon.com>
Subject: RE: HPN HVAC Upgrades - JA257025 - Terracon - SDG 480-231006-1 Request

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Should be all set. Thanks for your help on all of this.

Andrew Koons
Project Geologist I Environmental Service Line

Terracon

2410 Walden Ave, Ste. 100 I Buffalo, NY 14225
D (716) 393-4378 I M (716) 417-9150
andrew.koons@terracon.com I Terracon.com

From: Stephen Zeiner <szeiner@envstd.com>
Sent: Thursday, March 26, 2026 3:57 PM
To: Koons, Andrew <Andrew.Koons@terracon.com>
Cc: Sophie Collet <SCollet@envstd.com>; Charney, Kris <Kris.Charney@terracon.com>
Subject: FW: HPN HVAC Upgrades - JA257025 - Terracon - SDG 480-231006-1 Request

Hi Andrew,

Please provide the revision to this SDG from Eurofins when you can.

Regards – Steve

Stephen T. Zeiner, CEAC (Steve/he/him)
Principal Chemist
Environmental Standards, Inc.
(Montrose Environmental Group)
Valley Forge PA | US Eastern Time
Office: Direct 484.808.4386
Cell: 610-329-5552
szeiner@envstd.com | www.envstd.com | www.montrose-env.com

From: John Beninati <John.Beninati@et.eurofinsus.com>
Sent: Thursday, March 26, 2026 1:38 PM
To: Stephen Zeiner <szeiner@envstd.com>
Cc: Sophie Collet <SCollet@envstd.com>; Koons, Andrew <andrew.koons@terracon.com>; Charney, Kris <kris.charney@terracon.com>; Ryan VanDette <Ryan.VanDette@et.eurofinsus.com>
Subject: RE: HPN HVAC Upgrades - JA257025 - Terracon - SDG 480-231006-1 Request

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clicking links, opening attachments or taking further action, before validating its authenticity.

Good afternoon Stephen,

The revised report (Revision 2) was sent to MyEOL on /3/23/26.

Thank you.

John Beninati, P.G.
Project Manager

Eurofins Environment Testing US - Buffalo
10 Hazelwood Drive
Amherst, New York 14228

Direct: 716-504-9874
John.Beninati@ET.EurofinsUS.com
www.EurofinsUS.com/Env

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From: Stephen Zeiner <szeiner@envstd.com>
Sent: Thursday, March 26, 2026 1:35 PM
To: John Beninati <John.Beninati@et.eurofinsus.com>
Cc: Sophie Collet <SCollet@envstd.com>; Koons, Andrew <andrew.koons@terracon.com>; Charney, Kris <kris.charney@terracon.com>; Ryan VanDette <Ryan.VanDette@et.eurofinsus.com>
Subject: RE: HPN HVAC Upgrades - JA257025 - Terracon - SDG 480-231006-1 Request

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Hi John,

Can you provide a status for the material requested below?

Regards - Steve

Stephen T. Zeiner, CEAC (Steve/he/him)
Principal Chemist
Environmental Standards, Inc.
(Montrose Environmental Group)

Valley Forge PA | US Eastern Time
Office: Direct 484.808.4386
Cell: 610-329-5552
szeiner@envstd.com | www.envstd.com | www.montrose-env.com

From: Stephen Zeiner
Sent: Sunday, March 15, 2026 12:27 PM
To: John Beninati <John.Beninati@et.eurofinsus.com>
Cc: Sophie Collet <scollet@envstd.com>; Koons, Andrew <andrew.koons@terracon.com>; Charney, Kris <kris.charney@terracon.com>; Ryan VanDette <Ryan.VanDette@et.eurofinsus.com>
Subject: RE: HPN HVAC Upgrades - JA257025 - Terracon - SDG 480-231006-1 Request

Hi John,

We appreciate the revised data set.

During the completion of the review, the chemist noted that in the PFAS fraction of Report 480-231006-1, the summary forms and raw data for CCV 410-675863/72 and CCB 410-675863/73 analyzed 7/25/2026 on instrument ID 30569 were not included.

Please provide a revised data package that includes this information.

Regards – Steve

Stephen T. Zeiner, CEAC (Steve/he/him)
Principal Chemist
Environmental Standards, Inc.
(Montrose Environmental Group)
Valley Forge PA | US Eastern Time
Office: Direct 484.808.4386
Cell: 610-329-5552
szeiner@envstd.com | www.envstd.com | www.montrose-env.com

From: John Beninati <John.Beninati@et.eurofinsus.com>
Sent: Thursday, February 26, 2026 11:24 AM
To: Stephen Zeiner <szeiner@envstd.com>
Cc: Sophie Collet <scollet@envstd.com>; Koons, Andrew <andrew.koons@terracon.com>; Charney, Kris <kris.charney@terracon.com>; Ryan VanDette <Ryan.VanDette@et.eurofinsus.com>
Subject: RE: HPN HVAC Upgrades - JA257025 - Terracon - SDG 480-231006-1 Request

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Good morning Stephen,

The missing raw data for mercury analysis is now included in the Category B report, This will be submitted to MyEOL shortly for your review/use. Specific to your inquiry regarding % solids, the

Principal Chemist at our Lancaster laboratory provided the following response:

- The PDF form is reporting the crucible mass where we are exporting the curable weight into TALs. In theory this would not be an issue except that the manufacture has a nominal density entered for the crucibles. That is where the discrepancy is coming from.

The data in the LIMS is the weight that is being registered on the internal balance of the system so that is correct. No changes need to be made to the data as reported.

We have updated the report formatter so that the system will report the crucible weight and match the LIMS data.

The system only reports out the sample weight to 2 decimal places where the crucible reports out to 4 decimal places so the last 2 digits. The calculation the LIMs performs on the samples means that the last two digits of the sample weight will not show on the report PDF. It should not be an issue for completing the calculation manually but we cannot change the sig figs the instrument reports.

Please let me know if I can assist you with anything else.

Thank you.

John Beninati, P.G.
Project Manager

Eurofins Environment Testing US - Buffalo
10 Hazelwood Drive
Amherst, New York 14228

Direct: 716-504-9874
John.Beninati@ET.EurofinsUS.com
www.EurofinsUS.com/Env

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From: Stephen Zeiner <szeiner@envstd.com>
Sent: Tuesday, February 24, 2026 2:58 PM
To: John Beninati <John.Beninati@et.eurofinsus.com>
Cc: Sophie Collet <scollet@envstd.com>; Koons, Andrew <andrew.koons@terracon.com>; Charney, Kris <kris.charney@terracon.com>; Ryan VanDette <Ryan.VanDette@et.eurofinsus.com>
Subject: HPN HVAC Upgrades - JA257025 - Terracon - SDG 480-231006-1 Request

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Mr. Beninati,

Please confirm receipt of this email.

Environmental Standards has been retained by Terracon to validate the HPN HVAC Upgrades - JA257025 analytical data.

The chemist reviewing SDG 480-231006-1 noted that following items missing from the package.

- The raw data for the mercury analysis (calibrations, samples, and QC samples)
- The information for the percent solids information on pages 5528-5530 (samples 480-231006-2, -7, -8, 11, and -13) did not correspond to the reported percent solids on the General Chemistry Batch Worksheet (page 5533). The percent solids on page 5533 matched the sample summaries and EDD. Please confirm which percent solids is correct.

Contact me with any questions. Please advise on tentative schedule for response.

Regards - Steve

Stephen T. Zeiner, CEAC (Steve/he/him)
Principal Chemist
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(Montrose Environmental Group)
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Cell: 610-329-5552
szeiner@envstd.com | www.envstd.com | www.montrose-env.com

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Private and confidential as detailed here (https://protect.checkpoint.com/v2/r01/___www.terracon.com/disclaimer___.YzJ1OmVudnN0ZGNvbTpjOm86ZTQzMTI4MTU4OGQ5ZDQ1ZWFiNDNmZTRkZDdiMGY1NDM6NzpjZjBkOmYyOGM2NjQ4MTg4MzE1NGQxOTkzYjNlYjQwN2ZlOTBkYWFiOTA1OTBmMWQ2OGZhMTAzNjA5NjhjNjgxMzY2ODA6dDpUOkY). If you cannot access the hyperlink, please e-mail sender.

Appendix H

Daily Logs

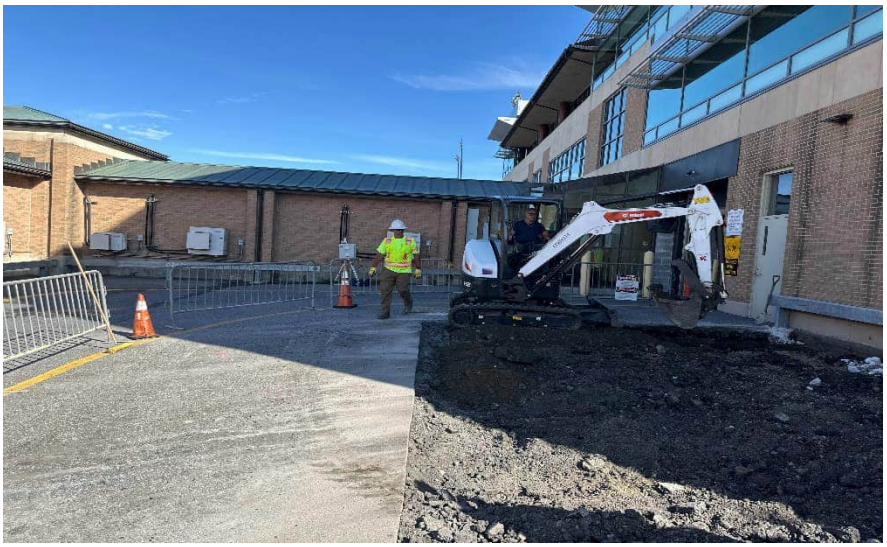
Field Logs for 8/19/25 & 8/20/25

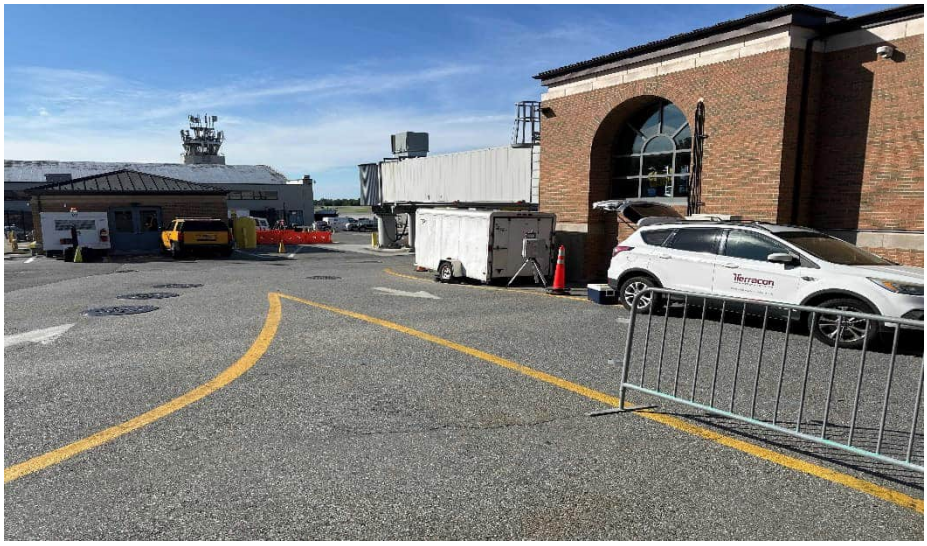
8/19/25:

- 0830: Terracon is given access to the work site. The wind is blowing south to north. The top layer of asphalt has already been removed in the dig area. SCS has been on site since 0700.



- 0900: Terracon representative Brendan McClure (BM) starts running the DustTraks. One DustTrak is set up downwind of the work area and another is set up upwind of the work area. SCS starts explorative digging for a potential old pad with the excavator.





- 0910: SCS stops work and waits for the new dumpster. No old pad is found.
- 0930: SCS resumes work by using the excavator to move loose dug up soil into piles while waiting for the dumpster.
- 1000: The dumpster arrives at the job area. SCS begins to line the dumpster with poly sheeting.
- 1005: SCS finishes lining the dumpster and they begin to fill it with dirt from the pit.





- 1030: SCS continues to dig and place the dirt in the dumpster. They have reached the high voltage electric lines and are digging around them.



- 1105: SCS continues digging and placing dirt in the lined dumpster.



- 1130: SCS continues digging and placing soil in the lined dumpster.





- 1300: Pit excavation continues.



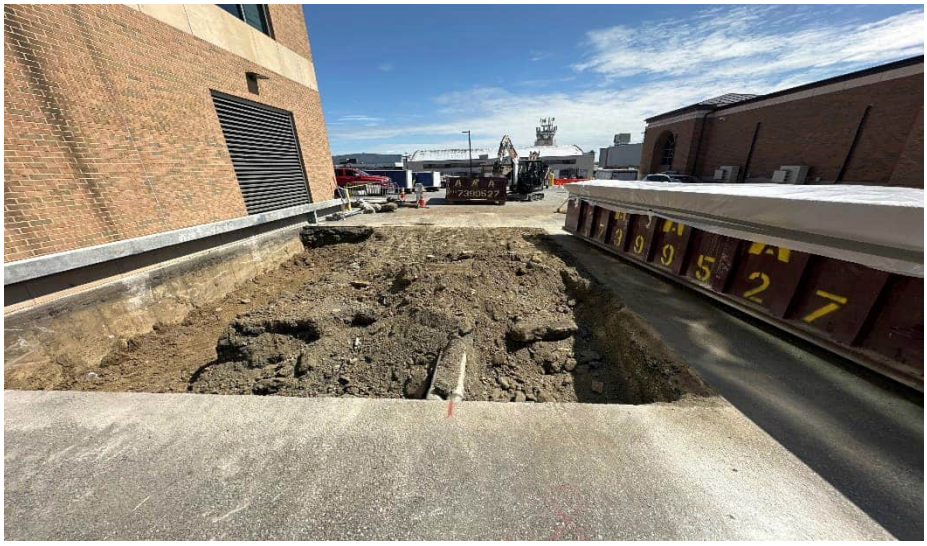
- 1330: The first lined dumpster has been filled with dirt from the pit. Another dumpster will be delivered to the work area at 1415, and the full dumpster will be covered and taken to Building 10 area.



- 1400: SCS has covered the lined dumpster in poly and is still waiting for a new dumpster. They are done digging for the day and will be leaving once the new dumpster arrives and the full dumpster is taken away.



- 1430: BM stops running the DustTraks.
- 1440: The new dumpster arrives on site. The old dumpster is taken to the Building 10 area.



- 1510: SCS and Terracon off site.

8/20/25:

- 0730: Terracon and SCS on site. SCS has lined the second dumpster that was dropped off yesterday with poly.



- 0735: BM starts running the DustTraks for upwind and downwind readings. The DustTraks are placed in the same locations as yesterday. SCS starts putting dirt in the dumpster.
- 0930: SCS finishes filling the second lined dumpster with dirt. They begin to cover the lined dumpster with poly.





- 0950: SCS finishes covering the top of the dumpster with poly sheeting. A third dumpster is on its way and work will continue when it arrives.



- 1100: SCS continues to wait for the new lined dumpster. They are in the pit rearranging dirt under the electrical lines with shovels. A new dumpster is expected to arrive at 1200 to hold the rest of the dirt.
- 1230: The new dumpster arrives on site. They begin to position it next to the pit to be filled with dirt.
- 1240: SCS lines the third dumpster with poly and begins to fill it with dirt.
- 1330: SCS finishes putting the remaining dirt in the third dumpster and they start to cover it. BM begins soil sampling.
- 1428: BM stops running the DustTraks. SCS finishes work for the day. The third dumpster is staying in the work area until tomorrow.
- 1438: Terracon and SCS off site.

Westchester County Airport – Field Notes for Soil Relocation from HVAC Upgrades

Field Notes 12/8/2025:

- 0800 – Brendan McClure (BM) from Terracon, Structural Contracting Services, Inc (SCS), and WCA staff have a meeting to discuss transport of soil to relocation site.



Soil Relocation Site

- 0915 – Dumpster transport truck from SCS arrives on site at Building 10. It picks up one of the dumpsters. BM heads to relocation site at the Lincoln Ave airport entrance.



SCS arriving at relocation site with first dumpster

- 1003 - BM starts running the upwind dusttrak. SCS struggles to get the frozen soil out of first dumpster they transported to the site.



Frozen soil not sliding out of dumpster



Dusttrak sampling locations (Upwind furthest, downwind closest)

- 1030 - SCS says they will stop working and let the soil thaw until tomorrow. SCS off site. BM collects the dusttraks.
- 1100 - Terracon off site.


Frozen soil in dumpster



Frozen soil in dumpster



Frozen soil in dumpster

<u>Field Notes 12/9/2025</u>:

- 0800 - Terracon on site. SCS unloads their mini excavator and sets up silt fence where soil will be relocated and spread.
- 0930 - SCS has finished setting up the silt fence and is waiting for a driver to be available to move dumpsters to soil relocation site.





- 0950 - The truck driver for SCS arrives on site. Gleison (SCS supervisor) goes to meet him at soil dumpsters area at Building 10. BM starts running the dusttraks.





- 1040 - SCS back on site with one of the dumpsters. They begin to break apart the soil with the excavator. The soil is too frozen to fall out of the dumpster on its own. The driver unloads the dumpster from the truck.





- 1110 - SCS continues breaking up the soil in the dumpster. They begin separating out the pieces of poly from the soil.



- 1145 - SCS brings the second dumpster on site.



- 1220 - SCS continues to break up the soil in the first dumpster and then separate out the poly in the soil.

- 1240 - SCS drops of third and final dumpster to soil relocation site.



- 1245 - SCS removes all the soil from the first dumpster. They continue to sort out all the plastic in that soil.
- 1300 - SCS dumps the soil out from a second dumpster. They begin separating the poly out from that soil.



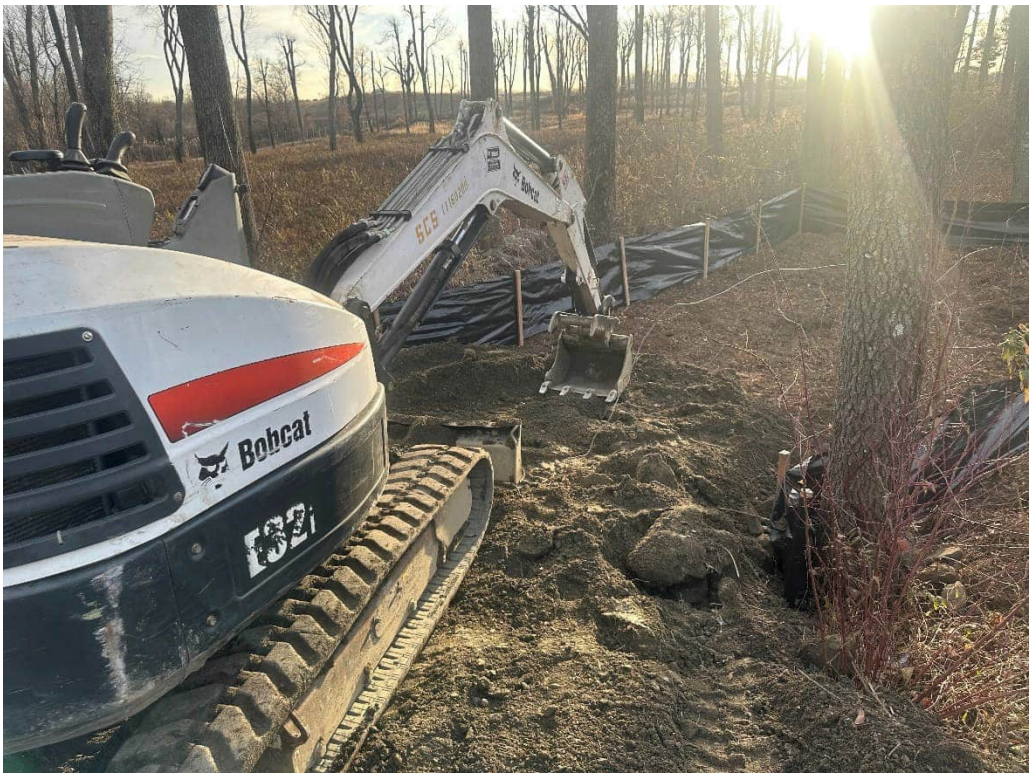
- 1310 - SCS starts to break up the frozen soil in the third dumpster.

- 1345 - SCS finishes breaking up and emptying the soil out of the third (last) dumpster. They continue to separate out the poly from the soil.



- 1500 - SCS finishes working for the day and will be back tomorrow to finish removing all the plastic from the soil and spreading it out.





- 1510 - BM stops the dusttrak readings. Terracon and SCS off site.

Field Notes 12/10/2025:

- 0800 - Terracon on site. SCS has been on site since 0700 continuing to separate the soil and poly.



- 0820 - BM starts running the dusttraks.
- 0900 - SCS continues to remove pieces of poly from the soil pile before spreading it.



- 1000 - SCS finishes separating all the pieces of poly from the soil. They start placing the soil in the pit so they can spread it out evenly.



- 1100 - SCS finishes spreading out the soil.





- 1120 - BM stops running the dusttraks.
- 1145 - Terracon and SCS off site.

Appendix I

Import Documentation

Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Commissioner

Transmitted via email

August 18, 2025

Michele M. Patterson-Wittman, P.G.
Operations Manager/Principal
Terracon Consultants-NY, Inc.
70 Vantage Point Drive, Suite 1
Rochester, NY 14624
Michele.wittman@terracon.com

Re: Requests to Import/Reuse Fill or Soil (2)
Westchester County Airport, Site No.: C360174
240 Airport Road, West Harrison, NY 10604

Dear Michele Patterson-Wittman:

The New York State Department of Environmental Conservation (Department) has reviewed two (2) Request to Import/Reuse Fill or Soil forms submitted for the Westchester County Airport (site) located at 240 Airport Road, West Harrison, New York, each dated August 15, 2025. The requests are to import 50 to 100 cubic yards of 3/8 to 5/8-inch recycled mixed gravel and 50-100 cubic yards of ¾ to 1-inch gravel all from Metro Green LLC of Mount Vernon, NY. The material is to be used as backfill associated with construction of a concrete pad for a heating, ventilation and air conditioning (HVAC) unit. Based on the information provided, these requests are hereby approved. The proposed fill material meets the requirements for material other than soil (i.e., gravel, rock, stone, recycled concrete or recycled brick) as specified in section 5.4(e)5 of DER-10. This material may be placed above the water table. Testing in accordance with DER-10 and approval by the Department is required for any additional material imported to or reused on the site.

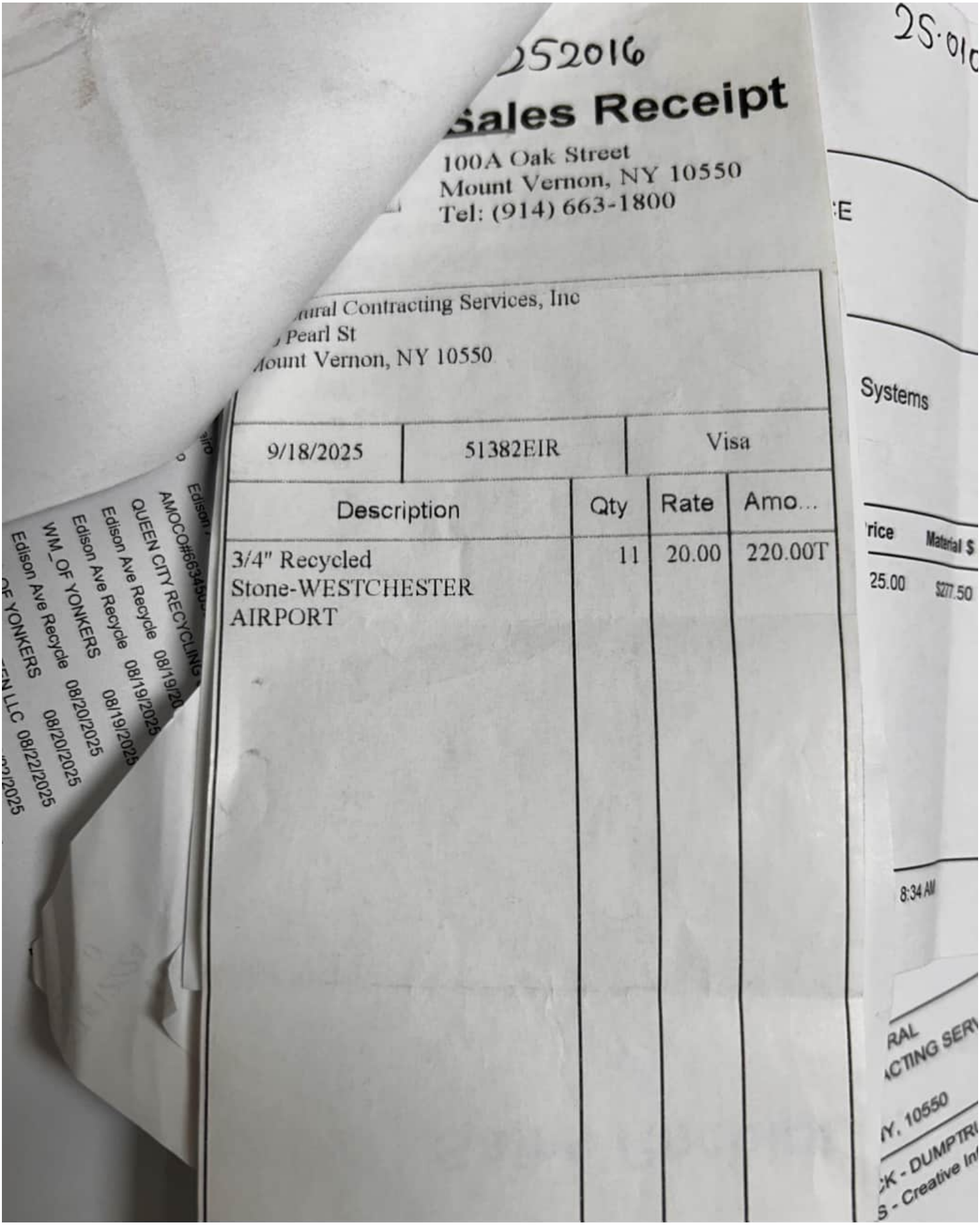
If you have questions or any issues arise, please feel free to contact me at 518-402-2029 or email: greta.kowalski@dec.ny.gov.

Sincerely,

Greta Kowalski

Greta Kowalski, P.G.
Project Manager
Remedial Action Bureau C
Division of Environmental Remediation

EC: A. Gasparri, Westchester County (axgc@westchestercountyny.gov)
F. Tejada, Westchester County (fjtc@westchestercountyny.gov)
D. Pomeroy, Terracon (Don.pomeroy@terracon.com)
M. Patterson-Wittman, Terracon (Michele.wittman@terracon.com)
S. McCague, NYSDEC Region 3 (steven.mccague@dec.ny.gov)
S. Saucier, NYSDEC (sarah.saucier@dec.ny.gov)
K. Thompson, NYSDEC (kiera.thompson@dec.ny.gov)
M. Doroski, NYSDOH (melissa.doroski@health.ny.gov)
K. Kulow, NYSDOH (Kristin.kulow@health.ny.gov)



052016

Sales Receipt

100A Oak Street
Mount Vernon, NY 10550
Tel: (914) 663-1800

ural Contracting Services, Inc
Pearl St
Mount Vernon, NY 10550

9/18/2025	51382EIR	Visa

Description	Qty	Rate	Amo...
3/4" Recycled Stone-WESTCHESTER AIRPORT	11	20.00	220.00T

Edison Ave Recycle 08/19/2025
AMOCO#66345
QUEEN CITY RECYCLING 08/19/20
Edison Ave Recycle 08/19/2025
Edison Ave Recycle 08/19/2025
WM_OF YONKERS 08/20/2025
Edison Ave Recycle 08/20/2025
OF YONKERS 08/20/2025
EN LLC 08/22/2025
/2025

25.01

Systems

rice | Material $
25.00 | $277.50

8:34 AM

RAL
CTING SERV
Y, 10550
CK - DUMPTR
S - Creative In

Sales Receipt

100A Oak Street
Mount Vernon, NY 10550
Tel: (914) 663-1800

l Contracting Services, Inc
l St
Vernon, NY 10550

21/2025	50870EIR	Visa

Description	Qty	Rate	Amo...
" Recycled Stone-WESTCHESTER AIRPORT	10	20.00	200.00T

Subtotal $200.00

THANK YOU
GOOD DAY