August 15, 2025

Mr. Tim Amundsen
Public Works Director
City of Excelsior
350 MN-7, Suite 230
Excelsior, MN 55331

Re: Excelsior Parkland Community Garden Soil Sampling Results Summary
MPCA VP24230

Dear Mr. Amundsen:

This letter provides a summary of soil sampling results collected at the Excelsior Parkland Community Garden plots in the City of Excelsior, Minnesota (Property), as described in a June 11, 2025, letter proposal. The work was requested by the City of Excelsior on behalf of community gardeners at Excelsior Parkland to document soil quality in the top four feet of soil in the garden area. The Property location is shown in Figure 1.

Background

As part of a 2011 Response Action Plan, soil samples were collected from imported cover soils and analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), Minnesota Pollution Control Agency (MPCA) priority metal pollutants list, and dioxins/ furans, which was performed in conjunction with an approved MPCA work plan. Laboratory results from representative samples of cover soils, including topsoil, select topsoil, and granular borrow were collected and analyzed prior to import and results were compared to the MPCA Tier II Recreational Soil Reference Values (SRVs), which are established by the Minnesota Department of Health to be protective of the public for this land use. Analytical results were below the SRV criteria in place at the time. The MPCA Residential/Recreational SRVs are the MPCA's comparison criteria for land use associated with Community Gardens, among other land uses (e.g., privately owned gardens and lawns, etc.).

In addition, the 2011 sample results were also compared to the 2025 MPCA Residential/ Recreational (Res/Rec) SRVs and concentrations were below criteria, as shown in Attachment A. Additional soil sampling and analysis was requested by the City of Excelsior, in response to communications with users of the Community Gardens.

Summary of Work

Sampling activities, including field screening and collection of soil samples for laboratory analyses, were performed on June 30th and July 1st, 2025.

Soil borings were completed using hand auger methods from ground surface to 4 feet below ground surface (bgs) with soil screened at 32 subsample aliquot soil intervals to evaluate the presence of odor, debris, sheen, and discoloration, including measuring headspace for organic vapors using a photoionization detector (PID) equipped with a 10.6 eV lamp. Soils were classified using methods

consistent with ASTM method D2488 – Standard Practice for Description and Identification of Soils (Visual/ Manual Method) and Barr standard operating procedures (SOPs). A summary of field screening results is provided in Table 1, and boring logs are included in Attachment B.

Soil samples collected at 32 subsample aliquot locations were combined into eight composite samples to be submitted to the laboratory for SVOCs, priority metal pollutants, DRO, and dioxins/furans. Composite samples were named 2025-GS-1 through 2025-GS-8 (indicating 2025 Garden Soil-1). Each aliquot subsample included a letter A-D, with A representing the shallowest interval. One grab sample was collected from one of each set of four subsample aliquot locations for analysis of VOCs and gasoline range organics (GRO). Sample locations are shown in Figure 2.

Laboratory analysis was performed by an MDH-certified laboratory, Pace Analytical Services, LLC., in St. Paul, Minnesota. Analytical results from 2025 sampling are shown in Table 2, with comparison to 2025 MPCA SRVs for Residential/Recreational land use. The laboratory analytical report is included in Attachment C.

Results

All laboratory analytical results for soil samples collected in 2025 were below MPCA Tier II Residential/Recreational Land Use criteria, as shown in Table 2.

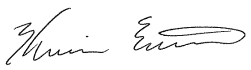
No field evidence of impacts, such as odors, sheens, or elevated headspace readings, was observed during field activities. All PID field screening results were less than 1 parts per million (ppm), which is lower than MPCA's guidance for soil re-use (10 ppm). Samples for VOC and GRO were collected from discrete intervals with the greatest indication of field impacts, if observed. Two small pieces of metal debris and a piece of black plastic, approximately 1-2 inches in diameter, were observed in subsample aliquot 7B at approximately 3 feet bgs. The analytical sample results from this interval were also below applicable criteria.

Conclusions

The investigation results indicate that soil samples collected and analyzed at the Excelsior Parkland Community Gardens are below applicable MPCA criteria for their current land use.

Thank you for the opportunity to assist the City of Excelsior with this project. Please contact me at 952-832-2937 or by email at keisen@barr.com with any questions.

Sincerely,



Kevin Eisen, PE #42317

Cc: Shanna Schmidt, MPCA

Figures

Figure 1 – Site Location
Figure 2 – Soil Screening and Sampling Locations

Tables

Table 1 – Field Screening Observation Summary
Table 2 – Soil Analytical Data

Attachments

Attachment A – Historical Soil Data
Attachment B – Soil Boring Logs
Attachment C – Laboratory Analytical Data Reports

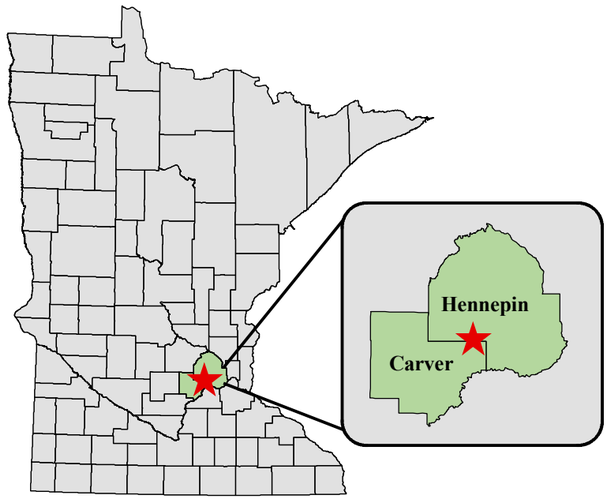
Figure 1

SITE LOCATION MAP

Excelsior City Park/Former Dump

Excelsior, Minnesota

Site Location



0 1,000 2,000 4,000

Feet

1 inch equals 2,000 feet

BARR

Barr Footer: ArcGISPro 3.4.3, 2025-07-18 17:47 File: I:\Projects\23\27\1044\Maps\Basemaps\20250610_Proposed Composite Sampling Locations\20250610_Proposed Composite Sampling Locations.aprx Layout: Figure 1 - Composite Sampling Locations User: kac2

Garden Extent

Composite Sampling Locations

N

0 20 40 60

Feet

Imagery: Hennepin County (2024)

Composite Sampling Locations
Excelsior, MN

FIGURE 2

BARR

Table 1
Field Screening Observation Summary
Garden Soil Sampling - Excelsior Parkland
Excelsior, Minnesota

Subsample	Date	Range of PID Readings* (ppm)	Discoloration/Odor/ Sheen	Debris Encountered	VOC Sample Location
1A	6/30/2025	0.0	N/N/N	No	-
1B	6/30/2025	0.4	N/N/N	No	-
1C	6/30/2025	0.4-0.9	N/N/N	No	2-3 ft
1D	6/30/2025	0.0-0.4	N/N/N	No	-
2A	6/30/2025	0.0-0.3	N/N/N	No	-
2B	6/30/2025	0.0-0.4	N/N/N	No	-
2C	6/30/2025	0.4-0.9	N/N/N	No	-
2D	6/30/2025	0.0	N/N/N	No	3-4 ft
3A	6/30/2025	0.1-0.5	N/N/N	No	-
3B	6/30/2025	0.0-0.1	N/N/N	No	-
3C	6/30/2025	0.0	N/N/N	No	3-4 ft
3D	6/30/2025	0.0-1.3	N/N/N	No	-
4A	6/30/2025	0.0	N/N/N	No	-
4B	6/30/2025	0.0	N/N/N	No	-
4C	6/30/2025	0.0-0.5	N/N/N	No	3-4 ft
4D	6/30/2025	0.0	N/N/N	No	-
5A	6/30/2025	0.0	N/N/N	No	-
5B	6/30/2025	0-0.3	N/N/N	No	-
5C	6/30/2025	0.0-0.1	N/N/N	No	-
5D	6/30/2025	0.0-0.2	N/N/N	No	3-4 ft
6A	7/1/2025	0.0	N/N/N	No	-
6B	7/1/2025	0.0	N/N/N	No	-
6C	7/1/2025	0.0	N/N/N	No	3-4 ft
6D	7/1/2025	0.1-0.5	N/N/N	No	-
7A	7/1/2025	0.0-0.4	N/N/N	No	-
7B	7/1/2025	0.1-0.7	N/N/N	Yes (metal, plastic)	2-3 ft
7C	7/1/2025	0.0-0.1	N/N/N	No	-
7D	7/1/2025	0.0-0.3	N/N/N	No	-
8A	7/1/2025	0.0-0.5	N/N/N	No	-
8B	7/1/2025	0.0-0.4	N/N/N	No	-
8C	7/1/2025	0.0-0.6	N/N/N	No	-
8D	7/1/2025	0.0	N/N/N	No	3-4 ft

* Background PID readings were between 0.2 and 0.5 ppm at several locations due to suspected moisture in the instrument

Table 2
Analytical Data Summary
Excelsior Parkland Inspection 2025
City of Excelsior

Parameter	Units	MPCA Residential/ Recreational Acute Soil Reference Values	MPCA Residential/ Recreational Chronic Soil Reference Values	Location	2025-GS-1	2025-GS-1C	2025-GS-2	2025-GS-2D	2025-GS-3	2025-GS-3C	2025-GS-4	2025-GS-4C	2025-GS-5	2025-GS-5D	2025-GS-6	2025-GS-6C	2025-GS-7	2025-GS-7B	2025-GS-8	2025-GS-8D
				Date	6/30/2025	6/30/2025	6/30/2025	6/30/2025	6/30/2025	6/30/2025	6/30/2025	6/30/2025	6/30/2025	6/30/2025	7/01/2025	7/01/2025	7/01/2025	7/01/2025	7/01/2025	7/01/2025
				Depth	0 - 4 ft	2 - 3 ft	0 - 4 ft	3 - 4 ft	0 - 4 ft	3 - 4 ft	0 - 4 ft	3 - 4 ft	0 - 4 ft	3 - 4 ft	0 - 4 ft	3 - 4 ft	0 - 4 ft	2 - 3 ft	0 - 4 ft	3 - 4 ft
Last Updated		03/01/2025	03/01/2025																	
Exceedance Key		No Exceedance	No Exceedance																	
General Parameters																				
Moisture	%				17.0	17.0	17.7	17.7	15.9	15.9	17.9	17.9	19.1	19.1	20.7	20.7	16.4	16.4	18.4	18.4
Metals																				
Antimony	mg/kg		6.3		< 1.1 U	--	< 1.2 U	--	< 1.1 U	--	< 1.1 U	--	< 1.2 U	--	< 1.2 U	--	< 1.1 U	--	< 1.2 U	--
Arsenic	mg/kg	9 BTV(a)	9 BTV(a)		3.3	--	4.6	--	3.2	--	3.3	--	3.9	--	3.7	--	4.2	--	3.6	--
Beryllium	mg/kg		29		< 0.29 U	--	< 0.30 U	--	< 0.28 U	--	< 0.28 U	--	< 0.31 U	--	< 0.29 U	--	< 0.28 U	--	< 0.30 U	--
Cadmium	mg/kg	9.1	1.6		< 0.17 U	--	< 0.18 U	--	< 0.17 U	--	< 0.17 U	--	0.23	--	< 0.18 U	--	< 0.17 U	--	< 0.18 U	--
Chromium	mg/kg		23000 CR3		10.2	--	11.2	--	11.1	--	11.4	--	11.5	--	11.6	--	11.5	--	11.3	--
Copper	mg/kg	180	2200		10.6	--	12.4	--	11.1	--	11.0	--	12.3	--	11.3	--	11.8	--	11.5	--
Lead	mg/kg		200		12.4	--	14.1	--	12.0	--	11.8	--	13.9	--	14.7	--	12.6	--	15.9	--
Mercury	mg/kg		2.7		0.023	--	0.030	--	0.027	--	0.032	--	0.030	--	0.033	--	0.036	--	0.031	--
Nickel	mg/kg	260 (5)	170 (5)		10.5	--	11.6	--	10.1	--	10.9	--	12.8	--	11.4	--	11.9	--	11.2	--
Selenium	mg/kg		78		< 1.1 U	--	< 1.2 U	--	< 1.1 U	--	< 1.1 U	--	< 1.2 U	--	< 1.2 U	--	< 1.1 U	--	< 1.2 U	--
Silver	mg/kg		78		< 0.57 U	--	< 0.60 U	--	< 0.55 U	--	< 0.57 U	--	< 0.61 U	--	< 0.59 U	--	< 0.56 U	--	< 0.60 U	--
Thallium	mg/kg		0.29 BTV (10)		< 1.1 U	--	< 1.2 U	--	< 1.1 U	--	< 1.1 U	--	< 1.2 U	--	< 1.2 U	--	< 1.1 U	--	< 1.2 U	--
Zinc	mg/kg		4700 (8)		33.7	--	37.3	--	35.9	--	36.9	--	38.7	--	35.7	--	36.5	--	36.6	--
Semivolatile Organic Compounds																				
Benz(a)anthracene	ug/kg		T		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Benzo(a)pyrene	ug/kg		2000 BTV T		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Benzo(b)fluoranthene	ug/kg		T		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	446	--	< 415 U	--	< 392 U	--	< 404 U	--
Benzo(k)fluoranthene	ug/kg		T		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Chrysene	ug/kg		T		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Dibenz(a,h)anthracene	ug/kg		T		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Indeno(1,2,3-cd)pyrene	ug/kg		T		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
B(a)P Equivalent, Kaplan-Meier (Barr Calculation)	ug/kg		2000 BTV T		NA	--	NA	--	NA	--	NA	--	85	--	NA	--	NA	--	NA	--
1,2,4-Trichlorobenzene	ug/kg		25000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
1,2-Dichlorobenzene	ug/kg		380000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
1,2-Diphenylhydrazine	ug/kg				< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
1,3-Dichlorobenzene	ug/kg		300000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
1,4-Dichlorobenzene	ug/kg		56000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
1-Methylnaphthalene	ug/kg		78		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
2,2'-oxybis (1-chloropropane)	ug/kg		880000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
2,4,5-Trichlorophenol	ug/kg		1300000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
2,4,6-Trichlorophenol	ug/kg		13000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
2,4-Dichlorophenol	ug/kg		40000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
2,4-Dimethylphenol	ug/kg		270000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
2,4-Dinitrophenol	ug/kg		27000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
2,4-Dinitrotoluene	ug/kg		14000 D		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
2,6-Dinitrotoluene	ug/kg		3000 D		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Dinitrotoluene, technical grade	ug/kg		6.7		ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Chloronaphthalene	ug/kg		1800000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
2-Chlorophenol	ug/kg		110000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
2-Methyl-4,6-dinitrophenol	ug/kg				< 2050 U	--	< 2060 U	--	< 2010 U	--	< 2060 U	--	< 2100 U	--	< 2140 U	--	< 2020 U	--	< 2080 U	--
2-Methylnaphthalene	ug/kg		39000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
2-Methylphenol (o-cresol)	ug/kg		660000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
2-Nitroaniline	ug/kg				< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
2-Nitrophenol	ug/kg				< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
3,3`-Dichlorobenzidine	ug/kg		9900		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
3,4-Methylphenol (m,p cresols)	ug/kg				< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
3-Nitroaniline	ug/kg				< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
4-Bromophenyl phenyl ether	ug/kg				< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
4-Chloro-3-methylphenol	ug/kg				< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
4-Chloroaniline	ug/kg		6700		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
4-Chlorophenyl phenyl ether	ug/kg				< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
4-Nitroaniline	ug/kg				< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
4-Nitrophenol	ug/kg		110000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Acenaphthene	ug/kg		460000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Acenaphthylene	ug/kg				< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Anthracene	ug/kg		2800000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Benzo(g,h,i)perylene	ug/kg				< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Bis(2-chloroethoxy)methane	ug/kg		40000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Bis(2-chloroethyl)ether	ug/kg		3700		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Bis(2-ethylhexyl)phthalate	ug/kg		330000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Butyl benzyl phthalate	ug/kg		2000000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Carbazole	ug/kg		230000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--

Table 2
Analytical Data Summary
Excelsior Parkland Inspection 2025
City of Excelsior

Parameter	Units	MPCA Residential/ Recreational Acute Soil Reference Values	MPCA Residential/ Recreational Chronic Soil Reference Values	Location	2025-GS-1	2025-GS-1C	2025-GS-2	2025-GS-2D	2025-GS-3	2025-GS-3C	2025-GS-4	2025-GS-4C	2025-GS-5	2025-GS-5D	2025-GS-6	2025-GS-6C	2025-GS-7	2025-GS-7B	2025-GS-8	2025-GS-8D
				Date	6/30/2025	6/30/2025	6/30/2025	6/30/2025	6/30/2025	6/30/2025	6/30/2025	6/30/2025	6/30/2025	6/30/2025	7/01/2025	7/01/2025	7/01/2025	7/01/2025	7/01/2025	7/01/2025
				Depth	0 - 4 ft	2 - 3 ft	0 - 4 ft	3 - 4 ft	0 - 4 ft	3 - 4 ft	0 - 4 ft	3 - 4 ft	0 - 4 ft	3 - 4 ft	0 - 4 ft	3 - 4 ft	0 - 4 ft	2 - 3 ft	0 - 4 ft	3 - 4 ft
Last Updated		03/01/2025	03/01/2025																	
Exceedance Key		No Exceedance	No Exceedance																	
Dibenzofuran	ug/kg		22000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Diethyl phthalate	ug/kg		11000000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Dimethyl phthalate	ug/kg				< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Di-n-butyl phthalate	ug/kg		310000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Di-n-octyl phthalate	ug/kg		130000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Fluoranthene	ug/kg		210000		< 397 U	--	582	--	< 390 U	--	< 400 U	--	603	--	< 415 U	--	< 392 U	--	438	--
Fluorene	ug/kg		390000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Hexachlorobenzene	ug/kg		220		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Hexachlorobutadiene	ug/kg		17000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Hexachloroethane	ug/kg		14000		< 397 UJ	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Isophorone	ug/kg		2600000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Naphthalene	ug/kg		81000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Nitrobenzene	ug/kg		38000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
n-Nitrosodimethylamine	ug/kg		51		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
n-Nitrosodi-n-propylamine	ug/kg		580		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
n-Nitrosodiphenylamine	ug/kg		890000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Pentachlorophenol	ug/kg	5200	8800		< 807 U	--	< 811 U	--	< 792 U	--	< 812 U	--	< 827 U	--	< 842 U	--	< 796 U	--	< 821 U	--
Phenanthrene	ug/kg				< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Phenol	ug/kg	1300000	3600000		< 397 U	--	< 399 U	--	< 390 U	--	< 400 U	--	< 408 U	--	< 415 U	--	< 392 U	--	< 404 U	--
Pyrene	ug/kg		220000		< 397 U	--	503	--	< 390 U	--	< 400 U	--	524	--	< 415 U	--	< 392 U	--	449	--
Volatile Organic Compounds																				
1,1,1,2-Tetrachloroethane	ug/kg		310000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,1,1-Trichloroethane	ug/kg		640000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,1,2,2-Tetrachloroethane	ug/kg		40000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,1,2-Trichloroethane	ug/kg		930		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,1-Dichloroethane	ug/kg		390000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,1-Dichloroethylene	ug/kg		450000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,1-Dichloropropene	ug/kg				--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,2,3-Trichlorobenzene	ug/kg				--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,2,3-Trichloropropane	ug/kg		53		--	< 250 U	--	< 255 U	--	< 230 U	--	< 273 U	--	< 273 U	--	< 277 U	--	< 242 U	--	< 246 U
1,2,4-Trichlorobenzene	ug/kg		25000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,2,4-Trimethylbenzene	ug/kg		140000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg				--	< 625 U	--	< 637 U	--	< 574 U	--	< 683 U	--	< 684 U	--	< 692 U	--	< 605 U	--	< 616 U
1,2-Dibromoethane (EDB)	ug/kg		710		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,2-Dichlorobenzene	ug/kg		380000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,2-Dichloroethane	ug/kg		5900		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,2-Dichloroethylene, cis	ug/kg		25000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,2-Dichloroethylene, trans	ug/kg		30000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,2-Dichloropropane	ug/kg		18000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,3,5-Trimethylbenzene	ug/kg		140000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,3-Dichlorobenzene	ug/kg		300000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,3-Dichloropropane	ug/kg		440000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,3-Dichloropropene, cis	ug/kg				--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,3-Dichloropropene, trans	ug/kg				--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
1,4-Dichlorobenzene	ug/kg		56000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
2,2-Dichloropropane	ug/kg				--	< 250 U	--	< 255 U	--	< 230 U	--	< 273 U	--	< 273 U	--	< 277 U	--	< 242 U	--	< 246 U
Acetone	ug/kg		15000000		--	< 1250 U	--	< 1270 U	--	< 1150 U	--	< 1370 U	--	< 1370 U	--	< 1380 U	--	< 1210 U	--	< 1230 U
Allyl chloride	ug/kg		4700		--	< 250 U	--	< 255 U	--	< 230 U	--	< 273 U	--	< 273 U	--	< 277 U	--	< 242 U	--	< 246 U
Benzene	ug/kg		9500		--	< 25.0 U	--	< 25.5 U	--	< 23.0 U	--	< 27.3 U	--	< 27.3 U	--	< 27.7 U	--	< 24.2 U	--	< 24.6 U
Bromobenzene	ug/kg		110000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Bromochloromethane	ug/kg				--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Bromodichloromethane	ug/kg		160000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Bromoform	ug/kg		370000		--	< 250 U	--	< 255 U	--	< 230 U	--	< 273 U	--	< 273 U	--	< 277 U	--	< 242 U	--	< 246 U
Bromomethane	ug/kg		12000		--	< 625 U	--	< 637 U	--	< 574 U	--	< 683 U	--	< 684 U	--	< 692 U	--	< 605 U	--	< 616 U
Butylbenzene	ug/kg		110000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Butylbenzene, sec	ug/kg		140000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Butylbenzene, tert	ug/kg		180000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Carbon tetrachloride	ug/kg		14000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Chlorobenzene	ug/kg		150000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Chlorodibromomethane	ug/kg		66000		--	< 250 U	--	< 255 U	--	< 230 U	--	< 273 U	--	< 273 U	--	< 277 U	--	< 242 U	--	< 246 U
Chloroethane	ug/kg		2100000		--	< 625 U	--	< 637 U	--	< 574 U	--	< 683 U	--	< 684 U	--	< 692 U	--	< 605 U	--	< 616 U
Chloroform	ug/kg		9200		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Chloromethane	ug/kg		420000		--	< 250 U	--	< 255 U	--	< 230 U	--	< 273 U	--	< 273 U	--	< 277 U	--	< 242 U	--	< 246 U
Chlorotoluene, o	ug/kg		440000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Chlorotoluene, p	ug/kg				--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U

Table 2
Analytical Data Summary
Excelsior Parkland Inspection 2025
City of Excelsior

Parameter	Units	MPCA Residential/ Recreational Acute Soil Reference Values	MPCA Residential/ Recreational Chronic Soil Reference Values	Location	2025-GS-1	2025-GS-1C	2025-GS-2	2025-GS-2D	2025-GS-3	2025-GS-3C	2025-GS-4	2025-GS-4C	2025-GS-5	2025-GS-5D	2025-GS-6	2025-GS-6C	2025-GS-7	2025-GS-7B	2025-GS-8	2025-GS-8D
				Date	6/30/2025	6/30/2025	6/30/2025	6/30/2025	6/30/2025	6/30/2025	6/30/2025	6/30/2025	6/30/2025	6/30/2025	7/01/2025	7/01/2025	7/01/2025	7/01/2025	7/01/2025	7/01/2025
				Depth	0 - 4 ft	2 - 3 ft	0 - 4 ft	3 - 4 ft	0 - 4 ft	3 - 4 ft	0 - 4 ft	3 - 4 ft	0 - 4 ft	3 - 4 ft	0 - 4 ft	3 - 4 ft	0 - 4 ft	2 - 3 ft	0 - 4 ft	3 - 4 ft
Last Updated		03/01/2025	03/01/2025																	
Exceedance Key		No Exceedance	No Exceedance																	
Cumene (isopropyl benzene)	ug/kg		270000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Cymene p- (toluene isopropyl p-)	ug/kg				--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Dibromomethane (methylene bromide)	ug/kg		15000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Dichlorodifluoromethane (Freon-12)	ug/kg		840000		--	< 250 U	--	< 255 U	--	< 230 U	--	< 273 U	--	< 273 U	--	< 277 U	--	< 242 U	--	< 246 U
Dichlorofluoromethane (Freon-21)	ug/kg				--	< 625 U	--	< 637 U	--	< 574 U	--	< 683 U	--	< 684 U	--	< 692 U	--	< 605 U	--	< 616 U
Ethyl benzene	ug/kg		56000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Ethyl ether	ug/kg		920000		--	< 250 U	--	< 255 U	--	< 230 U	--	< 273 U	--	< 273 U	--	< 277 U	--	< 242 U	--	< 246 U
Hexachlorobutadiene	ug/kg		17000		--	< 313 U	--	< 319 U	--	< 287 U	--	< 341 U	--	< 342 U	--	< 346 U	--	< 303 U	--	< 308 U
Methyl ethyl ketone (2-butanone)	ug/kg		8800000		--	< 313 U	--	< 319 U	--	< 287 U	--	< 341 U	--	< 342 U	--	< 346 U	--	< 303 U	--	< 308 U
Methyl isobutyl ketone (MIBK)	ug/kg		1600000		--	< 313 U	--	< 319 U	--	< 287 U	--	< 341 U	--	< 342 U	--	< 346 U	--	< 303 U	--	< 308 U
Methyl tertiary butyl ether (MTBE)	ug/kg		440000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Methylene chloride	ug/kg		130000		--	< 250 U	--	< 255 U	--	< 230 U	--	< 273 U	--	< 273 U	--	< 277 U	--	< 242 U	--	< 246 U
Naphthalene	ug/kg		81000		--	< 250 U	--	< 255 U	--	< 230 U	--	< 273 U	--	< 273 U	--	< 277 U	--	< 242 U	--	< 246 U
Propylbenzene	ug/kg		260000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Styrene	ug/kg		870000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Tetrachloroethylene	ug/kg		32000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Tetrahydrofuran	ug/kg				--	< 2500 U	--	< 2550 U	--	< 2300 U	--	< 2730 U	--	< 2730 U	--	< 2770 U	--	< 2420 U	--	< 2460 U
Toluene	ug/kg		820000		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Trichloroethylene (TCE)	ug/kg		2700		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Trichlorofluoromethane (Freon-11)	ug/kg		1200000		--	< 250 U	--	< 255 U	--	< 230 U	--	< 273 U	--	< 273 U	--	< 277 U	--	< 242 U	--	< 246 U
Trichlorotrifluoroethane (Freon 113)	ug/kg		900000		--	< 250 U	--	< 255 U	--	< 230 U	--	< 273 U	--	< 273 U	--	< 277 U	--	< 242 U	--	< 246 U
Vinyl chloride	ug/kg		71		--	< 25.0 U	--	< 25.5 U	--	< 23.0 U	--	< 27.3 U	--	< 27.3 U	--	< 27.7 U	--	< 24.2 U	--	< 24.6 U
Xylene, m & p	ug/kg		260000 XYL		--	< 125 U	--	< 127 U	--	< 115 U	--	< 137 U	--	< 137 U	--	< 138 U	--	< 121 U	--	< 123 U
Xylene, o	ug/kg		260000 XYL		--	< 62.5 U	--	< 63.7 U	--	< 57.4 U	--	< 68.3 U	--	< 68.4 U	--	< 69.2 U	--	< 60.5 U	--	< 61.6 U
Xylene, total	ug/kg		260000 XYL		--	< 188 U	--	< 191 U	--	< 172 U	--	< 205 U	--	< 205 U	--	< 208 U	--	< 182 U	--	< 185 U
Total Petroleum Hydrocarbons																				
DRO-modified, C10-C28	mg/kg				14.3	--	12.6	--	< 9.9 U	--	10.2	--	< 9.5 U	--	14.3	--	12.9	--	16.2	--
Gasoline Range Organics, C6-C10	mg/kg				--	< 14.2 U	--	< 14.8 U	--	< 13.6 U	--	< 14.5 U	--	< 14.2 U	--	< 15.4 U	--	< 14.4 U	--	< 14.1 U
Chlorinated Dioxins / Furans																				
2,3,7,8-Dioxin, tetra (TCDD)	ng/kg		7.00 BTV TCDD		< 0.23 U	--	< 0.21 U	--	< 0.26 U	--	< 0.33 U	--	< 0.23 U	--	< 0.26 U	--	< 0.26 U	--	< 0.39 U	--
1,2,3,7,8-Dioxin, penta (PeCDD)	ng/kg				0.26 J	--	0.25 EMPC	--	0.25 EMPC	--	0.32 EMPC	--	0.19 EMPC	--	0.35 EMPC	--	0.26 EMPC	--	< 0.15 U	--
1,2,3,4,7,8-Dioxin, hexa (HxCDD)	ng/kg				< 0.53 UB	--	< 0.47 UB	--	< 0.64 UB	--	< 0.56 UB	--	< 0.62 UB	--	< 0.74 UB	--	< 0.36 UB	--	< 0.51 UB	--
1,2,3,6,7,8-Dioxin, hexa (HxCDD)	ng/kg				1.1 J	--	0.81 EMPC	--	0.98 J	--	1.5 J	--	2.5 J	--	1.5 EMPC	--	1.5 J	--	1.1 EMPC	--
1,2,3,7,8,9-Dioxin, hexa (HxCDD)	ng/kg				0.71 J	--	0.79 J	--	0.91 J	--	1.00 J	--	1.1 EMPC	--	1.1 EMPC	--	1.3 J	--	1.3 J	--
1,2,3,4,6,7,8-Dioxin, hepta (HpCDD)	ng/kg				28	--	25	--	30 EMPC	--	45 J-	--	79	--	50	--	52	--	42	--
Dioxin, octa (OCDD)	ng/kg				300 J-	--	310 J-	--	370 J-	--	560 J-	--	910 J-	--	620 J-	--	720 J-	--	540 J-	--
2,3,7,8-Dibenzofuran, tetra (TCDF)	ng/kg				< 0.8 UB	--	< 0.9 UB	--	< 0.82 UB	--	< 0.7 UB	--	< 1 UB	--	< 1.1 UB	--	< 0.95 UB	--	< 0.76 UB	--
1,2,3,7,8-Dibenzofuran, penta (PeCDF)	ng/kg				< 0.13 UB	--	< 0.12 U	--	< 0.13 U	--	< 0.12 U	--	< 0.11 U	--	< 0.13 U	--	< 0.13 U	--	< 0.14 U	--
2,3,4,7,8-Dibenzofuran, penta (PeCDF)	ng/kg				< 0.47 UB	--	0.65 J	--	< 0.45 UB	--	0.64 J	--	0.67 J	--	0.83 J	--	0.52 EMPC	--	0.65 EMPC	--
1,2,3,4,7,8-Dibenzofuran, hexa (HxCDF)	ng/kg				0.38 J	--	0.42 J	--	0.51 J	--	< 0.21 U	--	0.68 J	--	0.85 J	--	0.38 EMPC	--	0.55 J	--
1,2,3,6,7,8-Dibenzofuran, hexa (HxCDF)	ng/kg				1.3 EMPC	--	0.67 EMPC	--	1.2 EMPC	--	1.6 EMPC	--	2.9 EMPC	--	2.4 EMPC	--	1.2 EMPC	--	1.4 EMPC	--
1,2,3,7,8,9-Dibenzofuran, hexa (HxCDF)	ng/kg				< 0.34 U	--	< 0.22 U	--	< 0.43 U	--	< 0.33 U	--	< 0.67 U	--	< 0.33 U	--	< 0.40 U	--	< 0.75 U	--
2,3,4,6,7,8-Dibenzofuran, hexa (HxCDF)	ng/kg				0.49 J	--	0.42 J	--	0.52 EMPC	--	0.64 EMPC	--	0.55 EMPC	--	0.46 EMPC	--	0.76 J	--	0.48 EMPC	--
1,2,3,4,6,7,8-Dibenzofuran, hepta (HpCDF)	ng/kg				5.7	--	5.0 EMPC	--	7.5	--	9.4 J-	--	29	--	9.9	--	9.5	--	7.5 EMPC	--
1,2,3,4,7,8,9-Dibenzofuran, hepta (HpCDF)	ng/kg				< 0.83 UB	--	< 0.88 U	--	< 0.95 UJ-	--	< 1.5 UJ-	--	< 1.6 UJ-	--	< 1.3 UJ-	--	< 1.1 UJ-	--	< 0.99 UJ-	--
Dibenzofuran, octa (OCDF)	ng/kg				22	--	19	--	24	--	38	--	200	--	41	--	42	--	44	--
TCDD Equivalent, Kaplan-Meier (Barr Calculation)	ng/kg		7.00 BTV TCDD		1.2 a	--	1.0 a	--	0.98 a	--	1.6 a	--	2.4 a	--	1.7 a	--	1.6 a	--	1.2 a	--

Data Footnotes and Qualifiers

Barr Standard Footnotes and Qualifiers

--	Not analyzed/Not available.
ND	Not detected.
a	Estimated value, calculated using some or all values that are estimates.
EMPC	Estimated Maximum Possible Concentration
J	Estimated detected value. Either certain QC criteria were not met or the concentration is between the laboratory's detection and quantitation limits.
J-	The result is an estimated quantity and may be biased low.
NA	Not applicable.
U	The analyte was analyzed for, but was not detected.
UB	The analyte was detected in one of the associated laboratory, equipment, field or trip blank samples and is considered non-detect at the concentration reported by the laboratory.
UJ	The analyte was analyzed for, but was not detected. The reported value is approximate and may be inaccurate or imprecise.

MPCA Residential/Recreational Soil Reference Values

(5)	Nickel SRV toxicity values are based on the most conservative toxicity value available from the following forms: nickel & compounds, nickel oxide, nickel soluble salts, nickel carbonyl and nickel subsulfide. If a site is contaminated with one of these specific forms of nickel, a site-specific SRV based on the toxicity data specific to that form may be derived.
(8)	Zinc SRV is derived using toxicity values from zinc and compounds and does not apply to zinc phosphide. If zinc phosphide is present at a site a SRV specific to zinc phosphide will need to be derived. Zinc phosphide may be present at sites with a history of rodenticide or insecticide use, orchards, agriculture. If there is a potential that zinc phosphide is present at a site please contact the remediation risk assessor for an appropriate vanadium pentoxide specific SRV.
BTV (10)	Background Threshold Values (BTVs). Not calculated health based SRVs. The calculated SRVs were determined to be below background values. Please refer to the "Background Threshold Value Evaluation" document for additional information. It is not appropriate to include BTVs in additivity calculations; BTV for thallium is based on EPA reanalyzed samples (refer to BTV Evaluation document for additional information). There is a higher amount of uncertainty associated with this dataset because many detect concentrations are close to the reporting limit.
BTV T	Background Threshold Values (BTVs). Not calculated health based SRVs. The calculated SRVs were determined to be below background values. Please refer to the "Background Threshold Value Evaluation" document for additional information. It is not appropriate to include BTVs in additivity calculations; Value represents a criteria for the total carcinogenic PAHs as B(a)P
BTV TCDD	Background Threshold Values (BTVs). Not calculated health based SRVs. The calculated SRVs were determined to be below background values. Please refer to the "Background Threshold Value Evaluation" document for additional information. It is not appropriate to include BTVs in additivity calculations; Value represents a criteria for 2,3,7,8-TCDD or 2,3,7,8-TCDD equivalents.
BTV(a)	Background Threshold Values (BTVs). Not calculated health based SRVs. The calculated SRVs were determined to be below background values. Please refer to the "Background Threshold Value Evaluation" document for additional information. It is not appropriate to include BTVs in additivity calculations. Arsenic acute SRV is set to BTV.
CR3	Based on the value for chromium, trivalent. Total chromium concentrations in soil are typically comprised primarily of Chromium III. Chromium VI is stable only under pH and redox conditions rarely found in soil under natural environmental conditions. For sites with no known specific use or release of Chromium VI, the Chromium III soil screening levels are appropriate to apply to total chromium soil concentrations. The Background Threshold Value for total chromium concentrations is also an applicable screening level.
D	2,4-Dinitrotoluene and 2,6-Dinitrotoluene are to be combined and compared to the SRV for DNT Mixture (2,4- and 2,6-) (CAS# 25321-14-6).
T	Value represents a criteria for the total carcinogenic PAHs as B(a)P
XYL	Value represents the criteria for xylenes (mixed isomers).

Table 1
Import Materials 2011 Analytical Results
Excelsior Parkland
Excelsior, Minnesota

			Location	S.TOP-1	S.TOP-2	SAND-1	SAND-2	TOP-1	TOP-2
			Date	5/03/2011	5/03/2011	5/03/2011	5/03/2011	5/03/2011	5/03/2011
Parameter	Units	MPCA Residential/ Recreational Acute Soil Reference Values	MPCA Residential/ Recreational Chronic Soil Reference Values						
Effective Date		03/01/2025	03/01/2025						
Exceedance Key		No Exceedances	No Exceedances						
General Parameters									
Solids, percent	%			84	83	98	94	82	84
Metals									
Antimony	mg/kg		6.3	< 0.56	< 0.60	< 0.48	< 0.53	0.79	0.61
Arsenic	mg/kg	9 BTV(a)	9 BTV(a)	5.0	4.5	2.1	2.1	4.5	4.7
Beryllium	mg/kg		29	0.32	< 0.30	< 0.24	< 0.27	0.31	0.32
Cadmium	mg/kg	9.1	1.6	< 0.28	< 0.30	< 0.24	< 0.27	< 0.30	< 0.30
Chromium	mg/kg		23000 CR3	15	11	5.5	6.5	13	13
Copper	mg/kg	180	2200	12	11	5.4	4.2	12	13
Lead	mg/kg		200	11	12	2.6	2.9	11	11
Mercury	mg/kg		2.7	< 0.11	< 0.12	< 0.10	< 0.10	< 0.11	< 0.12
Nickel	mg/kg	260 (5)	170 (5)	13	13	12	12	13	13
Selenium	mg/kg		78	< 1.1	< 1.2	< 0.96	< 1.1	< 1.2	< 1.2
Silver	mg/kg		78	< 0.28	< 0.30	< 0.24	< 0.27	< 0.30	< 0.30
Thallium	mg/kg		0.29 BTV (10)	< 2.3	< 2.4	< 1.9	< 2.1	< 2.4	< 2.4
Zinc	mg/kg		4700 (8)	36	33	11	12	40	40
Semivolatile Organic Compounds									
1,2,4-Trichlorobenzene	mg/kg		25	< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
1,2-Dichlorobenzene	mg/kg		380	< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
1,3-Dichlorobenzene	mg/kg		300	< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
1,4-Dichlorobenzene	mg/kg		56	< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
2,2'-oxybis (1-chloropropane)	mg/kg		880	< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
2,3,4,6-Tetrachlorophenol	mg/kg		400	< 0.80	< 0.81	< 0.68	< 0.71	< 0.82	< 0.80
2,4,5-Trichlorophenol	mg/kg		1300	< 0.80	< 0.81	< 0.68	< 0.71	< 0.82	< 0.80
2,4,6-Trichlorophenol	mg/kg		13	< 0.80	< 0.81	< 0.68	< 0.71	< 0.82	< 0.80
2,4-Dichlorophenol	mg/kg		40	< 0.80	< 0.81	< 0.68	< 0.71	< 0.82	< 0.80
2,4-Dimethylphenol	mg/kg		270	< 0.80	< 0.81	< 0.68	< 0.71	< 0.82	< 0.80
2,4-Dinitrophenol	mg/kg		27	< 0.80	< 0.81	< 0.68	< 0.71	< 0.82	< 0.80
2,4-Dinitrotoluene	mg/kg		14 D	< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
2,6-Dinitrotoluene	mg/kg		3 D	< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Dinitrotoluene, technical grade	mg/kg		6.7	ND	ND	ND	ND	ND	ND
2,6-Dichlorophenol	mg/kg			< 0.80	< 0.81	< 0.68	< 0.71	< 0.82	< 0.80
2-Chloronaphthalene	mg/kg		1800	< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
2-Chlorophenol	mg/kg		110	< 0.80	< 0.81	< 0.68	< 0.71	< 0.82	< 0.80
2-Methyl-4,6-dinitrophenol	mg/kg			< 0.80	< 0.81	< 0.68	< 0.71	< 0.82	< 0.80
2-Methylnaphthalene	mg/kg		39	< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
2-Methylphenol (o-cresol)	mg/kg		660	< 0.80	< 0.81	< 0.68	< 0.71	< 0.82	< 0.80
2-Nitroaniline	mg/kg			< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
2-Nitrophenol	mg/kg			< 0.80	< 0.81	< 0.68	< 0.71	< 0.82	< 0.80
3,3`-Dichlorobenzidine	mg/kg		9.9	< 1.9	< 1.9	< 1.6	< 1.7	< 2.0	< 1.9
3,4-Methylphenol (m,p cresols)	mg/kg			< 0.80	< 0.81	< 0.68	< 0.71	< 0.82	< 0.80
3-Nitroaniline	mg/kg			< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
4-Bromophenyl phenyl ether	mg/kg			< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
4-Chloro-3-methylphenol	mg/kg			< 0.80	< 0.81	< 0.68	< 0.71	< 0.82	< 0.80
4-Chloroaniline	mg/kg		6.7	< 0.80	< 0.81	< 0.68	< 0.71	< 0.82	< 0.80
4-Chlorophenyl phenyl ether	mg/kg			< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
4-Nitroaniline	mg/kg			< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
4-Nitrophenol	mg/kg		110	< 0.80	< 0.81	< 0.68	< 0.71	< 0.82	< 0.80
Acenaphthene	mg/kg		460	< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Acenaphthylene	mg/kg			< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Aniline	mg/kg		35	< 0.80	< 0.81	< 0.68	< 0.71	< 0.82	< 0.80
Anthracene	mg/kg		2800	< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Azobenzene	mg/kg			< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Benzidine	mg/kg			< 3.0	< 3.0	< 2.6	< 2.7	< 3.0	< 3.0
Benzo(g,h,i)perylene	mg/kg			< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Benzoic acid	mg/kg		54000	< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Benzyl alcohol	mg/kg		1300	< 0.80	< 0.81	< 0.68	< 0.71	< 0.82	< 0.80
Bis(2-chloroethoxy)methane	mg/kg		40	< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Bis(2-chloroethyl)ether	mg/kg		3.7	< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Bis(2-ethylhexyl)phthalate	mg/kg		330	< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Butyl benzyl phthalate	mg/kg		2000	< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Carbazole	mg/kg		230	< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39

Table 1
Import Materials 2011 Analytical Results
Excelsior Parkland
Excelsior, Minnesota

				Location	S.TOP-1	S.TOP-2	SAND-1	SAND-2	TOP-1	TOP-2
				Date	5/03/2011	5/03/2011	5/03/2011	5/03/2011	5/03/2011	5/03/2011
Parameter	Units	MPCA Residential/ Recreational Acute Soil Reference Values	MPCA Residential/ Recreational Chronic Soil Reference Values							
Effective Date		03/01/2025	03/01/2025							
Exceedance Key		No Exceedances	No Exceedances							
Dibenzofuran	mg/kg		22		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Diethyl phthalate	mg/kg		11000		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Dimethyl phthalate	mg/kg				< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Di-n-butyl phthalate	mg/kg		310		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Di-n-octyl phthalate	mg/kg		130		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Fluoranthene	mg/kg		210		< 0.39	0.45	< 0.34	< 0.35	< 0.40	< 0.39
Fluorene	mg/kg		390		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Hexachlorobenzene	mg/kg		0.22		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Hexachlorobutadiene	mg/kg		17		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Hexachlorocyclopentadiene	mg/kg		0.94		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Hexachloroethane	mg/kg		14		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Isophorone	mg/kg		2600		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Naphthalene	mg/kg		81		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Nitrobenzene	mg/kg		38		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
n-Nitrosodimethylamine	mg/kg		0.051		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
n-Nitrosodi-n-propylamine	mg/kg		0.58		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
n-Nitrosodiphenylamine	mg/kg		890		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Pentachlorophenol	mg/kg	5.2	8.8		< 0.80	< 0.81	< 0.68	< 0.71	< 0.82	< 0.80
Phenanthrene	mg/kg				< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Phenol	mg/kg	1300	3600		< 0.80	< 0.81	< 0.68	< 0.71	< 0.82	< 0.80
Pyrene	mg/kg		220		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Benz(a)anthracene	mg/kg		T		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Benzo(a)pyrene	mg/kg		2 BTV T		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Benzo(b)fluoranthene	mg/kg		T		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Benzo(k)fluoranthene	mg/kg		T		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Chrysene	mg/kg		T		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Dibenz(a,h)anthracene	mg/kg		T		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
Indeno(1,2,3-cd)pyrene	mg/kg		T		< 0.39	< 0.40	< 0.34	< 0.35	< 0.40	< 0.39
B(a)P Equivalent, non-detects at 0, 2002 PEFs (BarrCalculation)	mg/kg		2 BTV T		ND	ND	ND	ND	ND	ND
B(a)P Equivalent, non-detects at 1/2, 2002 PEFs (Barr Calculation)	mg/kg		2 BTV T		0.38	0.39	0.34	0.35	0.39	0.38
B(a)P Equivalent, Kaplan Meier (Barr Calculation)	mg/kg		2 BTV T		NA	NA	NA	NA	NA	NA
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	mg/kg		310		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
1,1,1-Trichloroethane	mg/kg		640		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
1,1,2,2-Tetrachloroethane	mg/kg		40		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
1,1,2-Trichloroethane	mg/kg		0.93		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
1,1-Dichloroethane	mg/kg		390		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
1,1-Dichloroethylene	mg/kg		450		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
1,1-Dichloropropene	mg/kg				< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
1,2,3-Trichlorobenzene	mg/kg				< 0.66	< 0.60	< 0.51	< 0.53	< 0.61	< 0.71
1,2,3-Trichloropropane	mg/kg		0.053		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
1,2,4-Trichlorobenzene	mg/kg		25		< 0.66	< 0.60	< 0.51	< 0.53	< 0.61	< 0.71
1,2,4-Trimethylbenzene	mg/kg		140		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg				< 0.66	< 0.60	< 0.51	< 0.53	< 0.61	< 0.71
1,2-Dibromoethane (EDB)	mg/kg		0.71		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
1,2-Dichlorobenzene	mg/kg		380		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
1,2-Dichloroethane	mg/kg		5.9		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
1,2-Dichloroethylene, cis	mg/kg		25		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
1,2-Dichloroethylene, trans	mg/kg		30		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
1,2-Dichloropropane	mg/kg		18		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
1,3,5-Trimethylbenzene	mg/kg		140		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
1,3-Dichlorobenzene	mg/kg		300		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
1,3-Dichloropropane	mg/kg		440		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
1,3-Dichloropropene, cis	mg/kg				< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
1,3-Dichloropropene, trans	mg/kg				< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
1,4-Dichlorobenzene	mg/kg		56		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
2,2-Dichloropropane	mg/kg				< 0.66	< 0.60	< 0.51	< 0.53	< 0.61	< 0.71
Acetone	mg/kg		15000		< 2.6	< 2.4	< 2.0	< 2.1	< 2.4	< 2.8
Allyl chloride	mg/kg		4.7		< 0.66	< 0.60	< 0.51	< 0.53	< 0.61	< 0.71
Benzene	mg/kg		9.5		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Bromobenzene	mg/kg		110		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Bromochloromethane	mg/kg				< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Bromodichloromethane	mg/kg		160		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35

Table 1
Import Materials 2011 Analytical Results
Excelsior Parkland
Excelsior, Minnesota

				Location	S.TOP-1	S.TOP-2	SAND-1	SAND-2	TOP-1	TOP-2
				Date	5/03/2011	5/03/2011	5/03/2011	5/03/2011	5/03/2011	5/03/2011
Parameter	Units	MPCA Residential/ Recreational Acute Soil Reference Values	MPCA Residential/ Recreational Chronic Soil Reference Values							
Effective Date		03/01/2025	03/01/2025							
Exceedance Key		No Exceedances	No Exceedances							
Bromoform	mg/kg		370		< 0.66	< 0.60	< 0.51	< 0.53	< 0.61	< 0.71
Bromomethane	mg/kg		12		< 0.66	< 0.60	< 0.51	< 0.53	< 0.61	< 0.71
Butylbenzene	mg/kg		110		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Butylbenzene, sec	mg/kg		140		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Butylbenzene, tert	mg/kg		180		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Carbon tetrachloride	mg/kg		14		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Chlorobenzene	mg/kg		150		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Chlorodibromomethane	mg/kg		66		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Chloroethane	mg/kg		2100		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Chloroform	mg/kg		9.2		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Chloromethane	mg/kg		420		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Chlorotoluene, o	mg/kg		440		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Chlorotoluene, p	mg/kg				< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Cumene (isopropyl benzene)	mg/kg		270		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Cymene p- (toluene isopropyl p-)	mg/kg				< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Dibromomethane (methylene bromide)	mg/kg		15		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Dichlorodifluoromethane (Freon-12)	mg/kg		840		< 0.66	< 0.60	< 0.51	< 0.53	< 0.61	< 0.71
Dichlorofluoromethane (Freon-21)	mg/kg				< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Ethyl benzene	mg/kg		56		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Ethyl ether	mg/kg		920		< 0.66	< 0.60	< 0.51	< 0.53	< 0.61	< 0.71
Hexachlorobutadiene	mg/kg		17		< 1.3	< 1.2	< 1.0	< 1.1	< 1.2	< 1.4
Methyl ethyl ketone (2-butanone)	mg/kg		8800		< 2.6	< 2.4	< 2.0	< 2.1	< 2.4	< 2.8
Methyl isobutyl ketone (MIBK)	mg/kg		1600		< 0.66	< 0.60	< 0.51	< 0.53	< 0.61	< 0.71
Methyl tertiary butyl ether (MTBE)	mg/kg		440		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Methylene chloride	mg/kg		130		< 1.3	< 1.2	< 1.0	< 1.1	< 1.2	< 1.4
Naphthalene	mg/kg		81		< 0.66	< 0.60	< 0.51	< 0.53	< 0.61	< 0.71
Propylbenzene	mg/kg		260		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Styrene	mg/kg		870		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Tetrachloroethylene	mg/kg		32		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Tetrahydrofuran	mg/kg				< 2.6	< 2.4	< 2.0	< 2.1	< 2.4	< 2.8
Toluene	mg/kg		820		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Trichloroethylene (TCE)	mg/kg		2.7		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Trichlorofluoromethane (Freon-11)	mg/kg		1200		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Trichlorotrifluoroethane (Freon 113)	mg/kg		900		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Vinyl chloride	mg/kg		0.071		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Xylene, m & p	mg/kg		260 XYL		< 0.66	< 0.60	< 0.51	< 0.53	< 0.61	< 0.71
Xylene, o	mg/kg		260 XYL		< 0.33	< 0.30	< 0.26	< 0.27	< 0.30	< 0.35
Xylenes, total	mg/kg		260		ND	ND	ND	ND	ND	ND

Table 1
Import Materials 2011 Analytical Results
Excelsior Parkland
Excelsior, Minnesota

			Location	**S.TOP-1**	**S.TOP-2**	**SAND-1**	**SAND-2**	**TOP-1**	**TOP-2**
			Date	**5/03/2011**	**5/03/2011**	**5/03/2011**	**5/03/2011**	**5/03/2011**	**5/03/2011**
Parameter	Units	MPCA Residential/ Recreational Acute Soil Reference Values	MPCA Residential/ Recreational Chronic Soil Reference Values						
Effective Date		03/01/2025	03/01/2025						
Exceedance Key		No Exceedances	No Exceedances						
Chlorinated Dioxins / Furans									
1,2,3,4,6,7,8-Dibenzofuran, hepta (HpCDF)	ng/kg			7.08	6.15	0.169 b	0.114 b	3.78	4.13
1,2,3,4,6,7,8-Dioxin, hepta (HpCDD)	ng/kg			41.1	25.8	0.250 EMPC	0.191 b	13.1	21.8
1,2,3,4,7,8,9-Dibenzofuran, hepta (HpCDF)	ng/kg			0.835 j	0.630 EMPC	< 0.0696	< 0.0882	0.363 EMPC	0.531 EMPC
1,2,3,4,7,8-Dibenzofuran, hexa (HxCDF)	ng/kg			0.471 j	0.538 j	< 0.0678	< 0.0717	0.527 j	0.407 j
1,2,3,4,7,8-Dioxin, hexa (HxCDD)	ng/kg			0.202 EMPC	0.230 j	< 0.0602	< 0.0507	0.141 j	0.203 j
1,2,3,6,7,8-Dibenzofuran, hexa (HxCDF)	ng/kg			0.247 j	0.415 j	< 0.0660	< 0.0698	0.314 j	0.213 j
1,2,3,6,7,8-Dioxin, hexa (HxCDD)	ng/kg			1.02 j	0.881 j	< 0.0589	< 0.0497	0.566 j	0.909 j
1,2,3,7,8,9-Dibenzofuran, hexa (HxCDF)	ng/kg			< 0.202	< 0.126	< 0.0796	< 0.0842	< 0.137	< 0.155
1,2,3,7,8,9-Dioxin, hexa (HxCDD)	ng/kg			0.652 j	0.793 j	< 0.0569	< 0.0479	0.478 j	0.823 j
1,2,3,7,8-Dibenzofuran, penta (PeCDF)	ng/kg			0.150 j	< 0.0959	< 0.0788	< 0.0643	0.228 j	0.165 EMPC
1,2,3,7,8-Dioxin, penta (PeCDD)	ng/kg			0.162 j	0.153 EMPC	< 0.0570	< 0.0678	0.126 EMPC	< 0.0912
2,3,4,6,7,8-Dibenzofuran, hexa (HxCDF)	ng/kg			0.232 EMPC	0.338 j	< 0.0722	< 0.0765	< 0.124	0.219 EMPC
2,3,4,7,8-Dibenzofuran, penta (PeCDF)	ng/kg			< 0.0797	< 0.0942	< 0.0774	< 0.0631	< 0.0872	< 0.0780
2,3,7,8-Dibenzofuran, tetra (TCDF)	ng/kg			< 0.112	< 0.0917	< 0.0975	< 0.0800	0.245 j	< 0.0924
2,3,7,8-Dioxin, tetra (TCDD)	ng/kg		7.00 BTV TCDD	< 0.0651	< 0.0777	< 0.0794	< 0.0614	< 0.0736	< 0.0754
Dibenzofuran, hepta, total (HpCDF)	ng/kg			33.2	20.8	0.313 j	0.114 j	11.9	14.3
Dibenzofuran, hexa, total (HxCDF)	ng/kg			4.74	11.4	< 0.0660	< 0.0698	6.22	6.14
Dibenzofuran, octa (OCDF)	ng/kg			64.7	25.6	0.241 b	< 0.0936	16.4	17.4
Dibenzofuran, penta, total (PeCDF)	ng/kg			4.14	9.18	0.157 j	< 0.0631	5.27	3.88
Dibenzofuran, tetra, total (TCDF)	ng/kg			0.232 j	< 0.0917	< 0.0975	< 0.0800	0.590 j	0.635 j
Dioxin, hepta, total (HpCDD)	ng/kg			68.4	45.0	< 0.0668	0.191 j	24.3	41.1
Dioxin, hexa, total (HxCDD)	ng/kg			7.94	6.75	0.290 j	0.505 j	5.58	8.44
Dioxin, octa (OCDD)	ng/kg			577	250	1.64 b	1.13 b	138	195
Dioxin, penta, total (PeCDD)	ng/kg			2.77 j	< 0.0771	0.199 j	< 0.0678	2.63 j	2.82 j
Dioxin, tetra, total (TCDD)	ng/kg			< 0.0651	0.737 j	< 0.0794	< 0.0614	0.203 j	1.05 j
Toxicity equivalence factor summation	ng/kg			1.13	0.881	0.00475	0.00339	0.579	0.611
TCDD Equivalent, reporting limit at 0, TEF 2005 (EMPC @ 1/2) (Barr Calculation)	ng/kg		7.00	1.1 a	0.8 a	0.0013 a	ND	0.51 a	0.59 a
TCDD Equivalent, reporting limit at 1/2, TEF 2005 (EMPC@1/2) (Barr Calculation)	ng/kg		7.00	1.2 a	0.87 a	0.11 a	0.1	0.58 a	0.7 a

1A

LOG OF Boring

Client: City of Excelsior
Project Name: Excelsior Garden
Project Location: Excelsior, MN
Number: 1A
Start:
End
Drill Contractor:
Drill Method: hand auger
Logged By: SAS2
Northing:
Easting:
date: 6/30/2025
Riser Elevation:
Surface Elevation: --
Total Depth: 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
0				0.0	N/N/N				OL/OH - Topsoil, dark brown, moist,	
1				0.0	N/N/N				0-0.5 ft plant roots 0.5-3.5 ft topsoil with clay	
2				0.0	N/N/N				3.5 ft - 4 ft. lean clay with sand, med plasticity, moist, dark gray.	5
3				0.0	N/N/N					
4										
5										10
15										15
20										20

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Remarks: Sample GS-2025-1 collected @ 1030
GS-2025-1C collected @ 1045 2-3'

BGS = "below ground surface"
Additional data may have been collected in the field which is not included on this log.

ENVIRO LOG NEW (3/20/2012) 2311005_TILL PROJECT.GPJ BARR LIBR JAN06.GLB 8/3/12

LOG OF Boring

Client City of Excelsior
Project Name Excelsior garden sampling
Project Location Excelsior, MN
Number 1-B
Start: 10:10
End
Drill Contractor
Drill Method hand auger
Logged By JMG3/KEW
Northing:
Easting:
date: 6/30/25
Riser Elevation
Surface Elevation --
Total Depth 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
0-1				0.4					0.-0.5' - topsoil w/ roots, Dark Brown	
									0.5-2.5' - topsoil w/ clay, dark Brown	
									2.5-3.5' - silty clay, dark brown	
1-2				0.4					3.5-4' - dark brown silty clay w/ some gravel and sand → light brown to red	
2-3				0.4					4' EOB	5
3-4				0.4						
										10
15										15
20										20

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Remarks:
Ambient PID = 0.3-0.4

BGS = "below ground surface"
Additional data may have been collected in the field which is not included on this log.

ENVIRO LOG NEW (3/20/2012) 2311005_TILL PROJECT.GPJ BARR LIBR JAN06.GLB 8/3/12

LOG OF Boring

Client: City of Excelsior
Project Name: Excelsior Comm. Garden
Project Location: Excelsior, MN
Number: 1C
Start: 0'
End: 4'
Drill Contractor:
Drill Method: Hand auger
Logged By: KEW/JMG3
Northing:
Easting:
date: 6/30/25
Riser Elevation:
Surface Elevation: --
Total Depth: 4'

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.4					0'-0.5' topsoil w/ roots, moist	
				0.6					0.5'-1.5' dk. brown topsoil w/ clay, moist	
2									1.5'-3' black brown topsoil w/ silty clay, moist	
				0.9					3'-4' black brown clay, very moist	5
3										
				0.8						
4										10
										15
										20

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Remarks:
ambient PID 0.3-0.4

BGS = "below ground surface"
Additional data may have been collected in the field which is not included on this log.

LOG OF Boring

Client: City of Excelsior
Project Name: Excelsior Garden
Project Location: Excelsior, MN
Number: 1D
Start:
End
Drill Contractor:
Drill Method: hand auger
Logged By: SAS2
Northing:
Easting:
date: 6/30/25 1D
Riser Elevation:
Surface Elevation: --
Total Depth: 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.0	N/N/N				0-0.5 OL/OH topsoil with plant roots, dark brown, moist	
2				0.0	N/N/N				0.5-3.6' silty sand with organic topsoil, dark brown to brown, moist. Woody debris from 3-3.6'	
3				0.0	N/N/N					
4				0.4	N/N/N				3.6'-4' - lean clay with sand, gray, moist, med plasticity.	
10										10
15										15
20										20

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Remarks:

BGS = "below ground surface"
Additional data may have been collected in the field which is not included on this log.

LOG OF Boring

Client: City of Excelsior
Project Name: Excelsior Garden
Project Location: Excelsior, MN
Number: 2A
Start:
End
Drill Contractor:
Drill Method: hand auger
Logged By: SAS2
Northing:
Easting:
Date: 6/30/25
Riser Elevation:
Surface Elevation: --
Total Depth: 4'
2A
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.0	N/N/N				0-1 ft organic clay/silt topsoil with wood chips, brown, wet	
2				0.0	N/N/N				1-4 ft topsoil with clay and gravel dark brown, moist, low plasticity clay	
3				0.1	N/N/N					5
4				0.3	N/N/N					
10										10
15										15
20										20

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Remarks:

BGS = "below ground surface"
Additional data may have been collected in the field which is not included on this log.

LOG OF Boring

Client City of Excelsior
Project Name Excelsior Garden
Project Location Excelsior, MN
Number 2B
Start:
End
Drill Contractor
Drill Method hand auger
Logged By SAS2
Northing:
Easting:
date: 6/30/25 2B
Riser Elevation
Surface Elevation --
Total Depth 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.0	N/N/N				0-4' organic & topsoil. silty sand, dark brown, moist some large gravel, 1.5-3' bgs	
2				0.0	N/N/N					
3				0.0	N/N/N					5
4				0.4	N/N/N					
10										10
15										15
20										20

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Remarks:

BGS = "below ground surface"
Additional data may have been collected in the field which is not included on this log.

LOG OF Boring

Client: City of Excelsior
Project Name: Excelsior Garden
Project Location: Excelsior, MN
Number: 2C
Start: 11:00
End:
Drill Contractor:
Drill Method: Hand Auger
Logged By: KEW/JMG3
Northing:
Easting:
date: 6/30/25
Riser Elevation:
Surface Elevation: --
Total Depth: 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
X				0.5					0'–0.5' moist topsoil w/ roots	
1									0.5'–3' moist topsoil w/ clay and medium gravel, dk. brown	
X				0.4						
2									3'–4' wet clay w/ medium gravel dk. brown	
				0.4						5
3										
				0.9						
4										
										10
										15
										20

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Remarks:

BGS = "below ground surface"
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LOG OF Boring

Client: City of Excelsior
Project Name: Excelsior Garden
Project Location: Excelsior, MN
Number: 2D
Start:
End
Drill Contractor:
Drill Method: hand auger
Logged By: SAS2
Northing:
Easting:
date: 6/30/25 ~~2C~~ 2D
Riser Elevation:
Surface Elevation: –
Total Depth: 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1	5			0.0	N/N/N				0-1 ft organics, (OL/OH) dark brown, moist	1
2				0.0	N/N/N				1-4 ft lean clay w/ sand (CL) dark brown, moist, low Plasticity, some red/ lt brown Clay @ 2.5 ft.	2
3				0.0	N/N/N					3
4				0.0	N/N/N				End	4
10										10
15										15
20										20

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Remarks:
2025-GS-2 collected @ 11:40
2025-GS-2D collected @ 1155
3-4'

BGS = "below ground surface"
Additional data may have been collected in the field which is not included on this log.

ENVIRO LOG NEW (3/20/2012) 2311005_TILL PROJECT.GPJ BARR LIBR JAN06.GLB 8/3/12

LOG OF Boring

Client City of Excelsior
Project Name Excelsior Garden
Project Location Excelsior, MN
Number 3A
Start:
End
Drill Contractor
Drill Method hand auger
Logged By SAS 2
Northing:
Easting:
date: 6/30/25 3A
Riser Elevation
Surface Elevation --
Total Depth 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/ FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.1	N/N/N				0-1 Ft topsoil OL/OH, organic, wet, dark brown	
2				0.1	N/N/N				1-4 Ft lean clay with sand (CL/OH) dark brown → black, moist, low → med Plasticity	
3				0.3	N/N/N					5
4				0.5	N/N/N				EOB	
10										10
15										15
20										20

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Remarks: 2025-GS-3 collected @ 1230
2025-GS-3C @ 1200
3-4'

BGS = "below ground surface"
Additional data may have been collected in the field which is not included on this log.

ENVIRO LOG NEW (3/20/2012) 2311005_TILL PROJECT.GPJ BARR LIBR JAN06.GLB 8/3/12

LOG OF Boring

Client City of Excelsior
Project Name Excelsior Garden
Project Location Excelsior, MN
Number 3B
Start:
End
Drill Contractor
Drill Method hand auger
Logged By SAS2
Northing:
Easting:
date: 6/30/25 3B
Riser Elevation
Surface Elevation --
Total Depth 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.0					0-0.5' topsoil - silty sand SP-SM with organics	
				0.0					0.5-4' ~~clay~~, lean clay w/ sand (CL), dark brown, moist, ~~med~~ low-med plasticity,	
2										5
				0.0						
3										
				0.1						
4									EOB	10
15										15
20										20

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Remarks:

BGS = "below ground surface"
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LOG OF Boring

Client: City of Excelsior
Project Name: Excelsior Garden Sampling
Project Location: Excelsior, MN
Number: 3-C
Start: 11:30
End:
Drill Contractor:
Drill Method: hand auger
Logged By: JNG/REW
Northing:
Easting:
date: 6/30/25
Riser Elevation:
Surface Elevation: --
Total Depth: 4'

SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.0					0.-0.5': topsoil w/ roots. Dark brown-grey	
2				0.0					0.5-3.5': silty lean clay, dk grey brown, moist, low plast.	
3				0.0					3.5-4': wet sandy clay with medium grained sand + trace gravel.	5
4				0.0						
									EOB	10
15										15
20										20

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Remarks:

BGS = "below ground surface"
Additional data may have been collected in the field which is not included on this log.

LOG OF Boring

Client: City of Excelsior
Project Name: Excelsior Garden
Project Location: Excelsior, MN
Number: 3D
Start: 12:20
End:
Drill Contractor:
Drill Method: Hand Auger
Logged By: KEW/ JMG3
Northing:
Easting:
date: 6/30/25
Riser Elevation:
Surface Elevation: --
Total Depth: 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.0					0'-1' dk brown topsoil w/ roots, moist	
2				0.0					1'-3.5' black brown topsoil w/ lean clay, moist, some gravel	
3				0.3					3.5'-4 medium grained moist grey-brown sand, SP	5
4				1.3					End	
										10
										15
										20

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Remarks:

BGS = "below ground surface"
Additional data may have been collected in the field which is not included on this log.

LOG OF Boring

Client: City of Excelsior
Project Name: Excelsior Garden Sampling
Project Location: Excelsior, MN
Number: 4A
Start: 1:30
End
Drill Contractor
Drill Method: hand auger
Logged By: JMG3/KEW
Northing:
Easting:
date: 6/30/25
Riser Elevation
Surface Elevation: --
Total Depth: 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1'				0.0					0-0.5' = topsoil w/ roots dark brown clay,	
2'				0.0					0.5-3.5' = clay w/ topsoil, dark brown gray, moist	
5				0.0					3' = lens of reddish, low plasticity clay ~0.2'	5
3'				0.0					3.5'-4' = wet poorly graded sand; medium grain; dark brown with lean clay	
4'										
10										10
15										15
20										20

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Remarks:

BGS = "below ground surface"
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LOG OF Boring

Client City of Excelsior
Project Name Excelsior Garden
Project Location Excelsior, MN
Number 4B
Drill Contractor
Drill Method hand auger
Logged By SAS2
Start:
End
Northing:
Easting:
date: 6/30/25 4B
Riser Elevation
Surface Elevation --
Total Depth 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.0	N/N/N				0-0.5' topsoil, ~~silty sand~~ w/ organics ~~SP-SM~~ OL/OH, wet, dark brown	
2				0.0					0.5-4' lean clay w/ sand (CL), moist, dark brown, some gravel low-med Plasticity.	5
3				0.0						
4									EOB	10
15										15
20										20

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Remarks:

BGS = "below ground surface"
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LOG OF Boring

Client: City of Excelsior
Project Name: Excelsior Garden
Project Location: Excelsior, MN
Number: 4C
Start: ____ End ____
Drill Contractor: ____
Drill Method: hand auger
Logged By: SAS2
Northing: ____
Easting: ____
date: 6/30/25 4C
Riser Elevation: ____
Surface Elevation: --
Total Depth: 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.0	N/N/N				0-4' lean clay with sand and gravel, ~~stiff~~ low-med plasticity, dark brown → black moist	5
2				0.0					0.2-0.6' color change to lt brown	
3				0.0					3.5' some orange/red mottled clay	
4				0.5					4.5' some gray/lt brown mottling.	
									EOB	10
15										15
20										20

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Remarks: 2025-GS-4 @ 1415
2025-GS-4C @ 1410
3-4'

BGS = "below ground surface"
Additional data may have been collected in the field which is not included on this log.

ENVIRO LOG NEW (3/20/2012) 2311005 TILL PROJECT.GPJ BARR LIBR JAN06.GLB 8/3/12

LOG OF Boring

Client: City of Excelsior
Project Name: Excelsior Garden
Project Location: Excelsior, MN
Number: 4D
Start: 13:55
End:
Drill Contractor:
Drill Method: Hand auger
Logged By: KEW/JMG3
Northing:
Easting:
date: 6/30/25
Riser Elevation:
Surface Elevation: --
Total Depth: 4'

SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.0					0'-0.25' dk brown topsoil w/ roots, moist	
2				0.0					0.5'-0.5' light brown clay seam, moist, medium plasticity	
3				0.0					0.5'-2.5' dk brown, moist, topsoil w/ clay	5
4				0.0					2.5'-4' same as above but WET	
									End	10
										15
										20

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Remarks:

BGS = "below ground surface"
Additional data may have been collected in the field which is not included on this log.

LOG OF Boring

Client: city of Excelsior
Project Name: Excelsior Garden Sampling
Project Location: Excelsior, MN
Number: S-A
Start: 2:30
End:
Drill Contractor:
Drill Method: hand auger
Logged By: TMG3/MEW
Northing:
Easting:
date: 6/30/25
Riser Elevation:
Surface Elevation: --
Total Depth: 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1'				0					0-0.5': topsoil w/ roots, dark brown	
									0.5'-3': Silty clay, medium plasticity, dark brown, moist (lean)	
2'				0						
3'	X 6			0					3'-4': Sandy silty clay, low plasticity, moist to wet, dark brown	5
				0						
4'									EOB	
X'	X 10									10
15										15
20										20

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Remarks:

BGS = "below ground surface"
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LOG OF Boring

Client: City of Excelsior
Project Name: Excelsior Garden
Project Location: Excelsior, MN
Number: SB
Start: 15:00
End:
Drill Contractor:
Drill Method: hand auger
Logged By: KEW/JMG3
Northing:
Easting:
date: 6/30/25
Riser Elevation:
Surface Elevation: --
Total Depth: 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.1					0'-1' topsoil, moist, dk brown, roots	
2				0.0					1'-3.5' dk brown topsoil w/ lean clay, moist	
3				0.0					3.5'-4' dk brown lean clay, wet	5
4				0.3					End	
										10
										15
										20

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Remarks:

BGS = "below ground surface"
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LOG OF Boring

Client: City of Excelsior
Project Name: Excelsior Garden
Project Location: Excelsior, MN
Number: SC
Start: ____ End ____
Drill Contractor: ____
Drill Method: hand auger
Logged By: SAS2
Northing: ____
Easting: ____
date: 6/30/25 SC
Riser Elevation: ____
Surface Elevation: --
Total Depth: 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.0	NIN/N				0-1' topsoil OL/OH with plant roots, dark brown, moist	
2				0.0					1-4' lean clay with sand and gravel, moist → wet @ 2.5' bgs.	
3				0.0					med plasticity, dark brown	5
4				0.1					EOB	
10										10
15										15
20										20

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Remarks:

BGS = "below ground surface"
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LOG OF Boring

Client: city of Excelsior
Project Name: Excelsior Garden
Project Location: Excelsior, MN
Number: 5D
Start:
End
Drill Contractor:
Drill Method: hand auger
Logged By: SAS2
Northing:
Easting:
date: 6/30/25 5D
Riser Elevation:
Surface Elevation: --
Total Depth: 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1	11			0.0					0-1 topsoil ~~with~~ (OL/OH) dark brown, moist with plant roots	
2	8			0.0					1-4' lean clay with sand, dark brown to black, low → med plasticity, ~~color~~ orange/lt brown mottling 2.5-3' bgs. some gravel moist → wet @ 3.5'	5
3	14			0.0						
4	14			0.2					EOB	
	10									10
15										15
20										20

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Remarks:
Sample 2025-GS-5 @ 1520
2025-GS-5D @ 1510
3-4 ft

BGS = "below ground surface"
Additional data may have been collected in the field which is not included on this log

ENVIRO LOG NEW (3/20/2012) 2311005_TILL PROJECT.GPJ BARR LIBR JAN06.GLB 8/3/12

7/1/25 8:40

LOG OF Boring

Client City of Excelsior
Project Name Excelsior Grades Sampling
Project Location Excelsior, MN
Number 6A
Start:
End
Drill Contractor
Drill Method hand auger
Logged By JMG3/AES2
Northing:
Easting:
date: 7/1/25
6A
Riser Elevation
Surface Elevation --
Total Depth 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/ FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.0					0-1': TOPSOIL, moist, dark brown	
2				0.0					1'-3.5': SILTY LEAN CLAY, med. plasticity, moist, dark brown	5
3				0.0					3.5-4': very moist	
4				0.0					EOB	10
15										15
20										20

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Remarks:

BGS = "below ground surface"
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ENVIRO LOG NEW (3/20/2012) 2311005_TILL PROJECT.GPJ BARR LIBR JAN06.GLB 8/3/12

LOG OF Boring

Client City of Excelsior
Project Name Excelsior Garden
Project Location Excelsior, MN
Number 6B
Start: End
Drill Contractor
Drill Method hand auger
Logged By SAS2
Northing: Easting:
date: 7/1/25 6B
Riser Elevation
Surface Elevation --
Total Depth 3.5' SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.0	N/N/N				0-0.5' topsoil (CL/OH) with plant roots, dark brown, moist	
2				0.0	N/N/N				0.5-3' lean clay w/ sand and topsoil (CL), dark brown, moist, med plasticity	
3				0.0	N/N/N				3-3.5' - sand mixed with clay, medium grained, brown, wet	5
4				0.0	N/N/N				EOB @ 3.5' due to no recovery beyond 3.5'	
10										10
15										15
20										20

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Remarks:

BGS = "below ground surface"
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LOG OF Boring

Client: City of Excelsior
Project Name: Excelsior Garden
Project Location: Excelsior, MN
Number: 6C
Start: 8:55
End:
Drill Contractor:
Drill Method: Hand auger
Logged By: KEW/SAS2
Northing:
Easting:
date: 7/1/25
Riser Elevation:
Surface Elevation: --
Total Depth: 41
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.0	M/N/N				0-0.5' topsoil (OL/OH) w/ plant roots, moist, dk. brown	
2				0.0	M/N/N				0.5-3.5 topsoil w/ lean clay (CL), moist, dk. brown, some gravel, med. plastic	
3				0.0	N/N/N				3.5'-4' silty sand w/ gravel, moist, dk. brown	
4				0.0	N/N/N				EOB	

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Remarks: 2025-GS-6 @ 0930
2025-GS-6C @ 0920
3-4' bgs.

BGS = "below ground surface"
Additional data may have been collected in the field which is not included on this log.

ENVIRO LOG NEW (3/20/2012) 2311005_TILL PROJECT.GPJ BARR LIBR JAN06.GLB 8/3/12

LOG OF Boring

Client: City of Excelsior
Project Name: Excelsior Garden Sampling
Project Location: Excelsior, MN
Number: 6D
Start: 9:00
End
Drill Contractor
Drill Method: hand auger
Logged By: JMG3/AES2
Northing:
Easting:
date: 7/1/25
Riser Elevation
Surface Elevation --
Total Depth: 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1'				0.1	N/N/N				0.0-0.5': topsoil w/ roots, woodchips, brown dark	
									0.5-2': silty lean clay low plasticity, dark brown moist	
2'				0.2	N/N/N					
									2'-4': sandy lean clay, low plast., dark brown to gray, moist to wet	
3'				0.4	N/N/N					5
4'				0.5	N/N/N				EOB	
										10
15										15
20										20

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Remarks:

BGS = "below ground surface"
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LOG OF Boring

Client: City of Excelsior
Project Name: Excelsior Garden
Project Location: Excelsior, MN
Number: 7A
Start: 9:35
End:
Drill Contractor:
Drill Method: Hand auger
Logged By: SAS2/KEW
Northing:
Easting:
date: 7/1/25
Riser Elevation:
Surface Elevation: --
Total Depth: 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.0	N/N/N				0-0.5' topsoil (OL/OH), dark brown, moist w/ plant roots	
2				0.0					0.5-3.7' lean clay with sand and topsoil. Some gravel, dark brown, moist, med plasticity	5
3				0.0						
4				0.4					3.7-4' Silty sand (SP-SM) dark brown, moist, mg sand, noncohesive.	10
										15
										20

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Remarks:

BGS = "below ground surface"
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LOG OF Boring

Client: City of Excelsior
Project Name: Excelsior Garden
Project Location: Excelsior, MN
Number: 7B
Start: 9:45
End:
Drill Contractor:
Drill Method: hand auger
Logged By: JMG3/AES2
Northing:
Easting:
date: 7/1/25
Riser Elevation:
Surface Elevation: --
Total Depth: 4'

SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.1	N/N/N				0-6": TOPSOIL, plant roots, dark brown, moist	
2				0.1	N/N/N				0.5'-3': SILTY SAND, dark brown w/ rocks, moist	
3				0.2	N/N/N				*3': chunks of metal debris	5
4				0.7	N/N/N				3'-4': SANDY LEANCLAY, moist, black	
									* 3.5': black plastic debris	10
									EOB @ 4'	
15										15
20										20

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Remarks:

BGS = "below ground surface"
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LOG OF Boring

Client: City of Excelsior
Project Name: Excelsior Garden Sanctg
Project Location: Excelsior, MN
Number: 7C
Start: 10:10
End:
Drill Contractor:
Drill Method: hand auger
Logged By: JMG3/AES2
Northing:
Easting:
date: 7/1/25
Riser Elevation:
Surface Elevation: --
Total Depth: 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1'				0					0.0-1': Topsoil w/ roots, dark brown	
				0					1-2.5': Silty lean clay, high plasticity, dark brown, moist	
2'										
				0					2.5-4': silty sandy lean clay, medium to high plasticity, dark brown to light brown, dark brown main color, moist to wet.	5
3'										
				0.1						
4'									EOB	
10										10
15										15
20										20

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Remarks:

BGS = "below ground surface"
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Client City of Excelsior | Drill Contractor | **LOG OF Boring**

Project Name Excelsior Garden | Drill Method Hand Auger | date: 7/1/25

Project Location Excelsior, MN | Logged By SPS2 / KEW | Riser Elevation

Number 7D | Start: 10:05 | End | Northing: | Easting: | Surface Elevation -- | Total Depth 4' | SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.0	N/N/N				0'-0.5' topsoil (OHO) w/ roots, moist	
				0.0	N/N/N				0.5'-4' lean clay (CL) w/ topsoil, medium grained poorly graded sand, moist, dk. brown/black	
2				↓	↓					
				0.0	N/N/N					5
3				0.3	N/N/N					
4										
										10
										15
										20

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Remarks:
Sample 2025-GS-7B collected @ 10:00
2'-3'

BGS = "below ground surface"
Additional data may have been collected in the field which is not included on this log.

2025-GS-7 @ 10:30

ENVIRO LOG NEW (3/20/2012) 2311005_TILL PROJECT.GPJ BARR LIBR JAN06.GLB 8/3/12

LOG OF Boring

Client City of Excelsior
Project Name Excelsior Garden
Project Location Excelsior, MN
Number 8A
Start: 11:05
End
Drill Contractor
Drill Method Hand auger
Logged By SAS2/KEW
Northing:
Easting:
date: 7/1/25
Riser Elevation
Surface Elevation --
Total Depth 4'
8A
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
				0.0	M/N/N				0-0.5' topsoil (OL/OH) with plant roots, dark brown, moist	
				0.0	N/N/N				0.5-4' lean clay with sand and topsoil, dark brown, soft, ~~wet~~, moist → wet @ 1.5', med plasticity, some gravel	
5				0.3	N/N/N					5
				0.5	N/N/N					
4									EOB	
10										10
15										15
20										20

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Remarks:

BGS = "below ground surface"
Additional data may have been collected in the field which is not included on this log.

LOG OF Boring

Client City of Excelsior
Project Name Excelsior Garden
Project Location Excelsior, MN
Number 8B
Drill Contractor
Drill Method hand auger
Logged By JMG3/AES2
Start: time 11:00
End time 11:10
Northing:
Easting:
date: 7/1/25
Riser Elevation
Surface Elevation --
Total Depth 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SAV FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.0	N/N/N				0-0.5': TOPSOIL, plant roots, dark brown, moist	
				0.0	N/N/N				0.5-1': SILTY SAND, moist, dark brown	
2									1'-3': SANDY LEAN CLAY, moist, dark brown, low plasticity	
				0.2	N/N/N					5
3									↳ 3-4': dark brown → gray less sand, more silt SILTY SANDY LEAN CLAY	
				0.4	N/N/N					
4									EOB	
10										10
15										15
20										20

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Remarks:

BGS = "below ground surface"
Additional data may have been collected in the field which is not included on this log.

LOG OF Boring

Client: City of Excelsior
Project Name: Excelsior Garden Sampling
Project Location: Excelsior, MN
Number: BC
Start: 11:30
End:
Drill Contractor:
Drill Method: hand auger
Logged By: JMG3/AES2
Northing:
Easting:
date: 7/1/25
Riser Elevation:
Surface Elevation: --
Total Depth: 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1'				0.1	N/N/N				0-0.5' = Top soil w/ roots, dark brown, moist	
				0.0	N/N/N				0.5'-3.5' = Silty lean clay w/ trace gravel. medium plasticity, dark brown, moist	
2'										
	X			0.2	N/N/N				3.5'-4' = Sandy lean clay. medium plasticity, dark brown, moist	5
3'										
				0.6	N/N/N					
4'									EOB	
	X									10
15										15
20										20

Barr Engineering
4700 W 77th St. Suite 200
Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-832-2601

Remarks:

BGS = "below ground surface"
Additional data may have been collected in the field which is not included on this log.

LOG OF Boring

Client: City of Excelsior
Project Name: Excelsior Garden
Project Location: Excelsior, MN
Number: 8D
Start: 11:25
End:
Drill Contractor:
Drill Method: Hand auger
Logged By: SBB2/KEW
Northing:
Easting:
date: 7/1/25
Riser Elevation:
Surface Elevation: --
Total Depth: 4'
SHEET 1 OF 1

DEPTH FEET	SAMP. LENGTH & RECOVERY	SAMP. NUMBER	%GR/SA/FINES	Headspace ppm	Discoloration-Odor-Sheen	Moisture	ASTM	LITHOLOGY	DESCRIPTION	DEPTH FEET
1				0.0	N/N/N				0'-1' dk. brown topsoil (OHOH), moist w/ roots	
2				0.0	N/N/N				1'-3' lean clay (CL) w/ topsoil, moist, dk. brown, med. plasticity	
3				0.0	N/N/N				3'-4' poorly graded med. grained sand w/ clay, dk. brown, moist (3-3.5), wet (3.5-4)	5
4				0.0	N/N/N				EOB	10
										15
										20

Barr Engineering
4700 W 77th St. Suite 200
Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-832-2601

Remarks: 2025-GS-8 collected @ 1200
2025-GS-8D 3-4' collected @ 1145

BGS = "below ground surface"
Additional data may have been collected in the field which is not included on this log.

ENVIRO LOG NEW (3/20/2012) 2311005_TILL PROJECT.GPJ BARR LIBR JAN06.GLB 8/3/12

Barr Footer: ArcGISPro 3.4.3, 2025-06-10 16:42 File: I:\Projects\23\27\1044\Maps\Basemaps\20250610_Proposed Composite Sampling Locations\20250610_Proposed Composite Sampling Locations.aprx Layout: Figure 1 - Proposed Composite Sampling Locations User: kac2

Garden Extent

Proposed Composite Sampling Locations

N

0 20 40 60

Feet

Imagery: Hennepin County (2024)

Proposed Composite Sampling Locations
Excelsior, MN

FIGURE 1

BARR.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

July 15, 2025

Shawn Hayes
Barr Engineering Company
225 E 16th Ave
Floor 5, Suite 500
Denver, CO 80203

RE: Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Dear Shawn Hayes:

Enclosed are the analytical results for sample(s) received by the laboratory on July 01, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Martha Hansen
martha.hansen@pacelabs.com
(612)607-6451
Project Manager

Enclosures

cc: Barr DM, Barr Engineering
Accounts Payable, Barr Engineering

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Pace Analytical Services, LLC - Minneapolis MN
1700 Elm Street SE, Minneapolis, MN 55414
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
DoD Certification via A2LA #: 2926.01
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
ISO/IEC 17025 Certification via A2LA #: 2926.01
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification via A2LA #: R-036
North Dakota Certification via MN #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Oklahoma Certification #: 9507
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification via A2LA #: 2926.01
USDA Permit #: P330-19-00208

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10740890001	**2025-GS-1_0-4**	Solid	06/30/25 10:30	07/01/25 14:02
10740890002	**2025-GS-2_0-4**	Solid	06/30/25 11:40	07/01/25 14:02
10740890003	**2025-GS-3_0-4**	Solid	06/30/25 12:30	07/01/25 14:02
10740890004	**2025-GS-4_0-4**	Solid	06/30/25 14:15	07/01/25 14:02
10740890005	**2025-GS-5_0-4**	Solid	06/30/25 15:20	07/01/25 14:02
10740890006	**2025-GS-6_0-4**	Solid	07/01/25 09:30	07/01/25 14:02
10740890007	**2025-GS-7_0-4**	Solid	07/01/25 10:30	07/01/25 14:02
10740890008	**2025-GS-8_0-4**	Solid	07/01/25 12:00	07/01/25 14:02
10740890009	**2025-GS-1C_2-3**	Solid	06/30/25 10:45	07/01/25 14:02
10740890010	**2025-GS-2D_3-4**	Solid	06/30/25 11:55	07/01/25 14:02
10740890011	**2025-GS-3C_3-4**	Solid	06/30/25 12:00	07/01/25 14:02
10740890012	**2025-GS-4C_3-4**	Solid	06/30/25 14:10	07/01/25 14:02
10740890013	**2025-GS-5D_3-4**	Solid	06/30/25 15:10	07/01/25 14:02
10740890014	**2025-GS-6C_3-4**	Solid	07/01/25 09:20	07/01/25 14:02
10740890015	**2025-GS-7B_2-3**	Solid	07/01/25 10:00	07/01/25 14:02
10740890016	**2025-GS-8D_3-4**	Solid	07/01/25 11:45	07/01/25 14:02
10740890017	**TB-1**	Solid	06/30/25 00:00	07/01/25 14:02

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
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SAMPLE ANALYTE COUNT

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10740890001	**2025-GS-1_0-4**	WI MOD DRO	ARA	2	PASI-M
		EPA 6010D	DM	12	PASI-M
		EPA 7471B	HM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E	JNG	72	PASI-M
10740890002	**2025-GS-2_0-4**	WI MOD DRO	ARA	2	PASI-M
		EPA 6010D	DM	12	PASI-M
		EPA 7471B	HM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E	JNG	72	PASI-M
10740890003	**2025-GS-3_0-4**	WI MOD DRO	ARA	2	PASI-M
		EPA 6010D	DM	12	PASI-M
		EPA 7471B	HM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E	JNG	72	PASI-M
10740890004	**2025-GS-4_0-4**	WI MOD DRO	ARA	2	PASI-M
		EPA 6010D	DM	12	PASI-M
		EPA 7471B	HM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E	JNG	72	PASI-M
10740890005	**2025-GS-5_0-4**	WI MOD DRO	ARA	2	PASI-M
		EPA 6010D	DM	12	PASI-M
		EPA 7471B	HM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E	JNG	72	PASI-M
10740890006	**2025-GS-6_0-4**	WI MOD DRO	ARA	2	PASI-M
		EPA 6010D	DM	12	PASI-M
		EPA 7471B	HM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E	JNG	72	PASI-M
10740890007	**2025-GS-7_0-4**	WI MOD DRO	ARA	2	PASI-M
		EPA 6010D	DM	12	PASI-M
		EPA 7471B	HM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E	JNG	72	PASI-M
10740890008	**2025-GS-8_0-4**	WI MOD DRO	ARA	2	PASI-M
		EPA 6010D	DM	12	PASI-M

Pace Analytical Services, LLC
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Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7471B	HM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E	JNG	72	PASI-M
10740890009	**2025-GS-1C_2-3**	WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	ZB	72	PASI-M
10740890010	**2025-GS-2D_3-4**	WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	ZB	72	PASI-M
10740890011	**2025-GS-3C_3-4**	WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	ZB	72	PASI-M
10740890012	**2025-GS-4C_3-4**	WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	ZB	72	PASI-M
10740890013	**2025-GS-5D_3-4**	WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	ZB	72	PASI-M
10740890014	**2025-GS-6C_3-4**	WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	ZB	72	PASI-M
10740890015	**2025-GS-7B_2-3**	WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	ZB	72	PASI-M
10740890016	**2025-GS-8D_3-4**	WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	ZB	72	PASI-M
10740890017	**TB-1**	WI MOD GRO	NJ1	2	PASI-M
		EPA 8260D	ZB	72	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-1_0-4 **Lab ID: 10740890001** Collected: 06/30/25 10:30 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis							
WDRO C10-C28	**14.3**	mg/kg	9.7	1	07/02/25 13:56	07/07/25 09:57		T6
Surrogates								
n-Triacontane (S)	92	%.	50-150	1	07/02/25 13:56	07/07/25 09:57		
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Antimony	**<1.1**	mg/kg	1.1	1	07/08/25 08:59	07/08/25 12:59	7440-36-0	
Arsenic	**3.3**	mg/kg	1.1	1	07/08/25 08:59	07/08/25 12:59	7440-38-2	
Beryllium	**<0.29**	mg/kg	0.29	1	07/08/25 08:59	07/08/25 12:59	7440-41-7	
Cadmium	**<0.17**	mg/kg	0.17	1	07/08/25 08:59	07/08/25 12:59	7440-43-9	
Chromium	**10.2**	mg/kg	0.57	1	07/08/25 08:59	07/08/25 12:59	7440-47-3	
Copper	**10.6**	mg/kg	0.57	1	07/08/25 08:59	07/08/25 12:59	7440-50-8	
Lead	**12.4**	mg/kg	0.57	1	07/08/25 08:59	07/08/25 12:59	7439-92-1	
Nickel	**10.5**	mg/kg	1.1	1	07/08/25 08:59	07/08/25 12:59	7440-02-0	
Selenium	**<1.1**	mg/kg	1.1	1	07/08/25 08:59	07/08/25 12:59	7782-49-2	
Silver	**<0.57**	mg/kg	0.57	1	07/08/25 08:59	07/08/25 12:59	7440-22-4	
Thallium	**<1.1**	mg/kg	1.1	1	07/08/25 08:59	07/08/25 12:59	7440-28-0	
Zinc	**33.7**	mg/kg	2.3	1	07/08/25 08:59	07/08/25 12:59	7440-66-6	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis							
Mercury	**0.023**	mg/kg	0.023	1	07/07/25 15:26	07/08/25 14:11	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**17.0**	%	0.10	1		07/07/25 13:10		N2
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Acenaphthene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	83-32-9	
Acenaphthylene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	208-96-8	
Anthracene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	120-12-7	
Benzo(a)anthracene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	56-55-3	
Benzo(a)pyrene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	50-32-8	
Benzo(b)fluoranthene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	205-99-2	
Benzo(g,h,i)perylene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	191-24-2	
Benzo(k)fluoranthene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	207-08-9	
4-Bromophenylphenyl ether	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	101-55-3	
Butylbenzylphthalate	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	85-68-7	
Carbazole	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	86-74-8	
4-Chloro-3-methylphenol	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	59-50-7	
4-Chloroaniline	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	106-47-8	
bis(2-Chloroethoxy)methane	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	111-91-1	
bis(2-Chloroethyl) ether	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	111-44-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-1_0-4 **Lab ID: 10740890001** Collected: 06/30/25 10:30 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
bis(2-Chloroisopropyl) ether	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	108-60-1	
2-Chloronaphthalene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	91-58-7	
2-Chlorophenol	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	95-57-8	
4-Chlorophenylphenyl ether	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	7005-72-3	
Chrysene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	218-01-9	
Dibenz(a,h)anthracene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	53-70-3	
Dibenzofuran	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	132-64-9	
1,2-Dichlorobenzene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	95-50-1	
1,3-Dichlorobenzene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	541-73-1	
1,4-Dichlorobenzene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	106-46-7	
3,3'-Dichlorobenzidine	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	91-94-1	M1
2,4-Dichlorophenol	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	120-83-2	
Diethylphthalate	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	84-66-2	
2,4-Dimethylphenol	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	105-67-9	
Dimethylphthalate	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	131-11-3	
Di-n-butylphthalate	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	84-74-2	
4,6-Dinitro-2-methylphenol	**<2050**	ug/kg	2050	1	07/02/25 10:48	07/03/25 21:23	534-52-1	
2,4-Dinitrophenol	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	51-28-5	
2,4-Dinitrotoluene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	121-14-2	
2,6-Dinitrotoluene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	606-20-2	
Di-n-octylphthalate	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	117-84-0	
1,2-Diphenylhydrazine	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	122-66-7	
bis(2-Ethylhexyl)phthalate	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	117-81-7	
Fluoranthene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	206-44-0	
Fluorene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	86-73-7	
Hexachloro-1,3-butadiene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	87-68-3	
Hexachlorobenzene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	118-74-1	
Hexachloroethane	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	67-72-1	M1,R1
Indeno(1,2,3-cd)pyrene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	193-39-5	
Isophorone	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	78-59-1	
1-Methylnaphthalene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	90-12-0	
2-Methylnaphthalene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	91-57-6	
2-Methylphenol(o-Cresol)	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23		
Naphthalene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	91-20-3	
2-Nitroaniline	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	88-74-4	
3-Nitroaniline	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	99-09-2	
4-Nitroaniline	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	100-01-6	
Nitrobenzene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	98-95-3	
2-Nitrophenol	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	88-75-5	
4-Nitrophenol	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	100-02-7	
N-Nitrosodimethylamine	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	62-75-9	
N-Nitroso-di-n-propylamine	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	621-64-7	
N-Nitrosodiphenylamine	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	86-30-6	
Pentachlorophenol	**<807**	ug/kg	807	1	07/02/25 10:48	07/03/25 21:23	87-86-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-1_0-4 **Lab ID: 10740890001** Collected: 06/30/25 10:30 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Phenanthrene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	85-01-8	
Phenol	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	108-95-2	
Pyrene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	129-00-0	
1,2,4-Trichlorobenzene	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	120-82-1	
2,4,5-Trichlorophenol	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	95-95-4	
2,4,6-Trichlorophenol	**<397**	ug/kg	397	1	07/02/25 10:48	07/03/25 21:23	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	50	%.	30-125	1	07/02/25 10:48	07/03/25 21:23	4165-60-0	
2-Fluorobiphenyl (S)	55	%.	41-125	1	07/02/25 10:48	07/03/25 21:23	321-60-8	
p-Terphenyl-d14 (S)	57	%.	38-125	1	07/02/25 10:48	07/03/25 21:23	1718-51-0	
Phenol-d6 (S)	51	%.	30-125	1	07/02/25 10:48	07/03/25 21:23	13127-88-3	
2-Fluorophenol (S)	49	%.	30-125	1	07/02/25 10:48	07/03/25 21:23	367-12-4	
2,4,6-Tribromophenol (S)	49	%.	30-133	1	07/02/25 10:48	07/03/25 21:23	118-79-6	

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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-2_0-4 **Lab ID: 10740890002** Collected: 06/30/25 11:40 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis							
WDRO C10-C28	**12.6**	mg/kg	9.9	1	07/02/25 13:56	07/07/25 10:39		T6
Surrogates								
n-Triacontane (S)	102	%.	50-150	1	07/02/25 13:56	07/07/25 10:39		
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Antimony	**<1.2**	mg/kg	1.2	1	07/08/25 08:59	07/08/25 13:01	7440-36-0	
Arsenic	**4.6**	mg/kg	1.2	1	07/08/25 08:59	07/08/25 13:01	7440-38-2	
Beryllium	**<0.30**	mg/kg	0.30	1	07/08/25 08:59	07/08/25 13:01	7440-41-7	
Cadmium	**<0.18**	mg/kg	0.18	1	07/08/25 08:59	07/08/25 13:01	7440-43-9	
Chromium	**11.2**	mg/kg	0.60	1	07/08/25 08:59	07/08/25 13:01	7440-47-3	
Copper	**12.4**	mg/kg	0.60	1	07/08/25 08:59	07/08/25 13:01	7440-50-8	
Lead	**14.1**	mg/kg	0.60	1	07/08/25 08:59	07/08/25 13:01	7439-92-1	
Nickel	**11.6**	mg/kg	1.2	1	07/08/25 08:59	07/08/25 13:01	7440-02-0	
Selenium	**<1.2**	mg/kg	1.2	1	07/08/25 08:59	07/08/25 13:01	7782-49-2	
Silver	**<0.60**	mg/kg	0.60	1	07/08/25 08:59	07/08/25 13:01	7440-22-4	
Thallium	**<1.2**	mg/kg	1.2	1	07/08/25 08:59	07/08/25 13:01	7440-28-0	
Zinc	**37.3**	mg/kg	2.4	1	07/08/25 08:59	07/08/25 13:01	7440-66-6	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis							
Mercury	**0.030**	mg/kg	0.024	1	07/07/25 15:26	07/08/25 14:16	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**17.7**	%	0.10	1		07/07/25 13:10		N2
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Acenaphthene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	83-32-9	
Acenaphthylene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	208-96-8	
Anthracene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	120-12-7	
Benzo(a)anthracene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	56-55-3	
Benzo(a)pyrene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	50-32-8	
Benzo(b)fluoranthene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	205-99-2	
Benzo(g,h,i)perylene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	191-24-2	
Benzo(k)fluoranthene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	207-08-9	
4-Bromophenylphenyl ether	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	101-55-3	
Butylbenzylphthalate	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	85-68-7	
Carbazole	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	86-74-8	
4-Chloro-3-methylphenol	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	59-50-7	
4-Chloroaniline	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	106-47-8	
bis(2-Chloroethoxy)methane	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	111-91-1	
bis(2-Chloroethyl) ether	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	111-44-4	

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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-2_0-4 **Lab ID: 10740890002** Collected: 06/30/25 11:40 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
bis(2-Chloroisopropyl) ether	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	108-60-1	
2-Chloronaphthalene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	91-58-7	
2-Chlorophenol	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	95-57-8	
4-Chlorophenylphenyl ether	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	7005-72-3	
Chrysene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	218-01-9	
Dibenz(a,h)anthracene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	53-70-3	
Dibenzofuran	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	132-64-9	
1,2-Dichlorobenzene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	95-50-1	
1,3-Dichlorobenzene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	541-73-1	
1,4-Dichlorobenzene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	106-46-7	
3,3'-Dichlorobenzidine	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	91-94-1	
2,4-Dichlorophenol	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	120-83-2	
Diethylphthalate	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	84-66-2	
2,4-Dimethylphenol	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	105-67-9	
Dimethylphthalate	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	131-11-3	
Di-n-butylphthalate	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	84-74-2	
4,6-Dinitro-2-methylphenol	**<2060**	ug/kg	2060	1	07/02/25 10:48	07/03/25 22:39	534-52-1	
2,4-Dinitrophenol	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	51-28-5	
2,4-Dinitrotoluene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	121-14-2	
2,6-Dinitrotoluene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	606-20-2	
Di-n-octylphthalate	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	117-84-0	
1,2-Diphenylhydrazine	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	122-66-7	
bis(2-Ethylhexyl)phthalate	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	117-81-7	
Fluoranthene	**582**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	206-44-0	
Fluorene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	86-73-7	
Hexachloro-1,3-butadiene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	87-68-3	
Hexachlorobenzene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	118-74-1	
Hexachloroethane	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	67-72-1	
Indeno(1,2,3-cd)pyrene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	193-39-5	
Isophorone	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	78-59-1	
1-Methylnaphthalene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	90-12-0	
2-Methylnaphthalene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	91-57-6	
2-Methylphenol(o-Cresol)	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39		
Naphthalene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	91-20-3	
2-Nitroaniline	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	88-74-4	
3-Nitroaniline	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	99-09-2	
4-Nitroaniline	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	100-01-6	
Nitrobenzene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	98-95-3	
2-Nitrophenol	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	88-75-5	
4-Nitrophenol	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	100-02-7	
N-Nitrosodimethylamine	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	62-75-9	
N-Nitroso-di-n-propylamine	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	621-64-7	
N-Nitrosodiphenylamine	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	86-30-6	
Pentachlorophenol	**<811**	ug/kg	811	1	07/02/25 10:48	07/03/25 22:39	87-86-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-2_0-4 **Lab ID: 10740890002** Collected: 06/30/25 11:40 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Phenanthrene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	85-01-8	
Phenol	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	108-95-2	
Pyrene	**503**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	129-00-0	
1,2,4-Trichlorobenzene	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	120-82-1	
2,4,5-Trichlorophenol	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	95-95-4	
2,4,6-Trichlorophenol	**<399**	ug/kg	399	1	07/02/25 10:48	07/03/25 22:39	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	59	%.	30-125	1	07/02/25 10:48	07/03/25 22:39	4165-60-0	
2-Fluorobiphenyl (S)	72	%.	41-125	1	07/02/25 10:48	07/03/25 22:39	321-60-8	
p-Terphenyl-d14 (S)	79	%.	38-125	1	07/02/25 10:48	07/03/25 22:39	1718-51-0	
Phenol-d6 (S)	69	%.	30-125	1	07/02/25 10:48	07/03/25 22:39	13127-88-3	
2-Fluorophenol (S)	61	%.	30-125	1	07/02/25 10:48	07/03/25 22:39	367-12-4	
2,4,6-Tribromophenol (S)	68	%.	30-133	1	07/02/25 10:48	07/03/25 22:39	118-79-6	

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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-3_0-4 **Lab ID: 10740890003** Collected: 06/30/25 12:30 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis							
WDRO C10-C28	**<9.9**	mg/kg	9.9	1	07/02/25 13:56	07/07/25 10:04		
Surrogates								
n-Triacontane (S)	92	%.	50-150	1	07/02/25 13:56	07/07/25 10:04		
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Antimony	**<1.1**	mg/kg	1.1	1	07/08/25 08:59	07/08/25 13:02	7440-36-0	
Arsenic	**3.2**	mg/kg	1.1	1	07/08/25 08:59	07/08/25 13:02	7440-38-2	
Beryllium	**<0.28**	mg/kg	0.28	1	07/08/25 08:59	07/08/25 13:02	7440-41-7	
Cadmium	**<0.17**	mg/kg	0.17	1	07/08/25 08:59	07/08/25 13:02	7440-43-9	
Chromium	**11.1**	mg/kg	0.55	1	07/08/25 08:59	07/08/25 13:02	7440-47-3	
Copper	**11.1**	mg/kg	0.55	1	07/08/25 08:59	07/08/25 13:02	7440-50-8	
Lead	**12.0**	mg/kg	0.55	1	07/08/25 08:59	07/08/25 13:02	7439-92-1	
Nickel	**10.1**	mg/kg	1.1	1	07/08/25 08:59	07/08/25 13:02	7440-02-0	
Selenium	**<1.1**	mg/kg	1.1	1	07/08/25 08:59	07/08/25 13:02	7782-49-2	
Silver	**<0.55**	mg/kg	0.55	1	07/08/25 08:59	07/08/25 13:02	7440-22-4	
Thallium	**<1.1**	mg/kg	1.1	1	07/08/25 08:59	07/08/25 13:02	7440-28-0	
Zinc	**35.9**	mg/kg	2.2	1	07/08/25 08:59	07/08/25 13:02	7440-66-6	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis							
Mercury	**0.027**	mg/kg	0.021	1	07/07/25 15:26	07/08/25 14:18	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**15.9**	%	0.10	1		07/07/25 13:10		N2
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Acenaphthene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	83-32-9	
Acenaphthylene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	208-96-8	
Anthracene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	120-12-7	
Benzo(a)anthracene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	56-55-3	
Benzo(a)pyrene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	50-32-8	
Benzo(b)fluoranthene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	205-99-2	
Benzo(g,h,i)perylene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	191-24-2	
Benzo(k)fluoranthene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	207-08-9	
4-Bromophenylphenyl ether	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	101-55-3	
Butylbenzylphthalate	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	85-68-7	
Carbazole	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	86-74-8	
4-Chloro-3-methylphenol	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	59-50-7	
4-Chloroaniline	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	106-47-8	
bis(2-Chloroethoxy)methane	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	111-91-1	
bis(2-Chloroethyl) ether	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	111-44-4	

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-3_0-4 **Lab ID: 10740890003** Collected: 06/30/25 12:30 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
bis(2-Chloroisopropyl) ether	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	108-60-1	
2-Chloronaphthalene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	91-58-7	
2-Chlorophenol	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	95-57-8	
4-Chlorophenylphenyl ether	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	7005-72-3	
Chrysene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	218-01-9	
Dibenz(a,h)anthracene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	53-70-3	
Dibenzofuran	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	132-64-9	
1,2-Dichlorobenzene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	95-50-1	
1,3-Dichlorobenzene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	541-73-1	
1,4-Dichlorobenzene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	106-46-7	
3,3'-Dichlorobenzidine	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	91-94-1	
2,4-Dichlorophenol	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	120-83-2	
Diethylphthalate	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	84-66-2	
2,4-Dimethylphenol	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	105-67-9	
Dimethylphthalate	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	131-11-3	
Di-n-butylphthalate	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	84-74-2	
4,6-Dinitro-2-methylphenol	**<2010**	ug/kg	2010	1	07/02/25 10:48	07/03/25 23:04	534-52-1	
2,4-Dinitrophenol	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	51-28-5	
2,4-Dinitrotoluene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	121-14-2	
2,6-Dinitrotoluene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	606-20-2	
Di-n-octylphthalate	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	117-84-0	
1,2-Diphenylhydrazine	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	122-66-7	
bis(2-Ethylhexyl)phthalate	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	117-81-7	
Fluoranthene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	206-44-0	
Fluorene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	86-73-7	
Hexachloro-1,3-butadiene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	87-68-3	
Hexachlorobenzene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	118-74-1	
Hexachloroethane	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	67-72-1	
Indeno(1,2,3-cd)pyrene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	193-39-5	
Isophorone	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	78-59-1	
1-Methylnaphthalene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	90-12-0	
2-Methylnaphthalene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	91-57-6	
2-Methylphenol(o-Cresol)	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04		
Naphthalene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	91-20-3	
2-Nitroaniline	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	88-74-4	
3-Nitroaniline	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	99-09-2	
4-Nitroaniline	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	100-01-6	
Nitrobenzene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	98-95-3	
2-Nitrophenol	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	88-75-5	
4-Nitrophenol	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	100-02-7	
N-Nitrosodimethylamine	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	62-75-9	
N-Nitroso-di-n-propylamine	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	621-64-7	
N-Nitrosodiphenylamine	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	86-30-6	
Pentachlorophenol	**<792**	ug/kg	792	1	07/02/25 10:48	07/03/25 23:04	87-86-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-3_0-4 **Lab ID: 10740890003** Collected: 06/30/25 12:30 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Phenanthrene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	85-01-8	
Phenol	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	108-95-2	
Pyrene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	129-00-0	
1,2,4-Trichlorobenzene	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	120-82-1	
2,4,5-Trichlorophenol	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	95-95-4	
2,4,6-Trichlorophenol	**<390**	ug/kg	390	1	07/02/25 10:48	07/03/25 23:04	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	67	%.	30-125	1	07/02/25 10:48	07/03/25 23:04	4165-60-0	
2-Fluorobiphenyl (S)	78	%.	41-125	1	07/02/25 10:48	07/03/25 23:04	321-60-8	
p-Terphenyl-d14 (S)	84	%.	38-125	1	07/02/25 10:48	07/03/25 23:04	1718-51-0	
Phenol-d6 (S)	74	%.	30-125	1	07/02/25 10:48	07/03/25 23:04	13127-88-3	
2-Fluorophenol (S)	68	%.	30-125	1	07/02/25 10:48	07/03/25 23:04	367-12-4	
2,4,6-Tribromophenol (S)	75	%.	30-133	1	07/02/25 10:48	07/03/25 23:04	118-79-6	

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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-4_0-4 **Lab ID: 10740890004** Collected: 06/30/25 14:15 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis							
WDRO C10-C28	**10.2**	mg/kg	9.7	1	07/02/25 13:56	07/07/25 09:43		T6
Surrogates								
n-Triacontane (S)	89	%.	50-150	1	07/02/25 13:56	07/07/25 09:43		
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Antimony	**<1.1**	mg/kg	1.1	1	07/08/25 08:59	07/08/25 13:04	7440-36-0	
Arsenic	**3.3**	mg/kg	1.1	1	07/08/25 08:59	07/08/25 13:04	7440-38-2	
Beryllium	**<0.28**	mg/kg	0.28	1	07/08/25 08:59	07/08/25 13:04	7440-41-7	
Cadmium	**<0.17**	mg/kg	0.17	1	07/08/25 08:59	07/08/25 13:04	7440-43-9	
Chromium	**11.4**	mg/kg	0.57	1	07/08/25 08:59	07/08/25 13:04	7440-47-3	
Copper	**11.0**	mg/kg	0.57	1	07/08/25 08:59	07/08/25 13:04	7440-50-8	
Lead	**11.8**	mg/kg	0.57	1	07/08/25 08:59	07/08/25 13:04	7439-92-1	
Nickel	**10.9**	mg/kg	1.1	1	07/08/25 08:59	07/08/25 13:04	7440-02-0	
Selenium	**<1.1**	mg/kg	1.1	1	07/08/25 08:59	07/08/25 13:04	7782-49-2	
Silver	**<0.57**	mg/kg	0.57	1	07/08/25 08:59	07/08/25 13:04	7440-22-4	
Thallium	**<1.1**	mg/kg	1.1	1	07/08/25 08:59	07/08/25 13:04	7440-28-0	
Zinc	**36.9**	mg/kg	2.3	1	07/08/25 08:59	07/08/25 13:04	7440-66-6	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis							
Mercury	**0.032**	mg/kg	0.024	1	07/07/25 15:26	07/08/25 14:20	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**17.9**	%	0.10	1		07/07/25 13:10		N2
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Acenaphthene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	83-32-9	
Acenaphthylene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	208-96-8	
Anthracene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	120-12-7	
Benzo(a)anthracene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	56-55-3	
Benzo(a)pyrene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	50-32-8	
Benzo(b)fluoranthene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	205-99-2	
Benzo(g,h,i)perylene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	191-24-2	
Benzo(k)fluoranthene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	207-08-9	
4-Bromophenylphenyl ether	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	101-55-3	
Butylbenzylphthalate	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	85-68-7	
Carbazole	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	86-74-8	
4-Chloro-3-methylphenol	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	59-50-7	
4-Chloroaniline	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	106-47-8	
bis(2-Chloroethoxy)methane	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	111-91-1	
bis(2-Chloroethyl) ether	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	111-44-4	

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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-4_0-4 **Lab ID: 10740890004** Collected: 06/30/25 14:15 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
bis(2-Chloroisopropyl) ether	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	108-60-1	
2-Chloronaphthalene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	91-58-7	
2-Chlorophenol	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	95-57-8	
4-Chlorophenylphenyl ether	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	7005-72-3	
Chrysene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	218-01-9	
Dibenz(a,h)anthracene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	53-70-3	
Dibenzofuran	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	132-64-9	
1,2-Dichlorobenzene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	95-50-1	
1,3-Dichlorobenzene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	541-73-1	
1,4-Dichlorobenzene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	106-46-7	
3,3'-Dichlorobenzidine	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	91-94-1	
2,4-Dichlorophenol	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	120-83-2	
Diethylphthalate	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	84-66-2	
2,4-Dimethylphenol	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	105-67-9	
Dimethylphthalate	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	131-11-3	
Di-n-butylphthalate	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	84-74-2	
4,6-Dinitro-2-methylphenol	**<2060**	ug/kg	2060	1	07/02/25 10:48	07/03/25 23:29	534-52-1	
2,4-Dinitrophenol	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	51-28-5	
2,4-Dinitrotoluene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	121-14-2	
2,6-Dinitrotoluene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	606-20-2	
Di-n-octylphthalate	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	117-84-0	
1,2-Diphenylhydrazine	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	122-66-7	
bis(2-Ethylhexyl)phthalate	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	117-81-7	
Fluoranthene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	206-44-0	
Fluorene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	86-73-7	
Hexachloro-1,3-butadiene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	87-68-3	
Hexachlorobenzene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	118-74-1	
Hexachloroethane	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	67-72-1	
Indeno(1,2,3-cd)pyrene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	193-39-5	
Isophorone	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	78-59-1	
1-Methylnaphthalene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	90-12-0	
2-Methylnaphthalene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	91-57-6	
2-Methylphenol(o-Cresol)	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29		
Naphthalene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	91-20-3	
2-Nitroaniline	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	88-74-4	
3-Nitroaniline	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	99-09-2	
4-Nitroaniline	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	100-01-6	
Nitrobenzene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	98-95-3	
2-Nitrophenol	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	88-75-5	
4-Nitrophenol	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	100-02-7	
N-Nitrosodimethylamine	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	62-75-9	
N-Nitroso-di-n-propylamine	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	621-64-7	
N-Nitrosodiphenylamine	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	86-30-6	
Pentachlorophenol	**<812**	ug/kg	812	1	07/02/25 10:48	07/03/25 23:29	87-86-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-4_0-4 **Lab ID: 10740890004** Collected: 06/30/25 14:15 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Phenanthrene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	85-01-8	
Phenol	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	108-95-2	
Pyrene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	129-00-0	
1,2,4-Trichlorobenzene	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	120-82-1	
2,4,5-Trichlorophenol	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	95-95-4	
2,4,6-Trichlorophenol	**<400**	ug/kg	400	1	07/02/25 10:48	07/03/25 23:29	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	62	%.	30-125	1	07/02/25 10:48	07/03/25 23:29	4165-60-0	
2-Fluorobiphenyl (S)	70	%.	41-125	1	07/02/25 10:48	07/03/25 23:29	321-60-8	
p-Terphenyl-d14 (S)	75	%.	38-125	1	07/02/25 10:48	07/03/25 23:29	1718-51-0	
Phenol-d6 (S)	67	%.	30-125	1	07/02/25 10:48	07/03/25 23:29	13127-88-3	
2-Fluorophenol (S)	61	%.	30-125	1	07/02/25 10:48	07/03/25 23:29	367-12-4	
2,4,6-Tribromophenol (S)	62	%.	30-133	1	07/02/25 10:48	07/03/25 23:29	118-79-6	

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(612)607-1700

ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-5_0-4 **Lab ID: 10740890005** Collected: 06/30/25 15:20 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis							
WDRO C10-C28	**<9.5**	mg/kg	9.5	1	07/02/25 13:56	07/07/25 09:50		
Surrogates								
n-Triacontane (S)	87	%.	50-150	1	07/02/25 13:56	07/07/25 09:50		
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Antimony	**<1.2**	mg/kg	1.2	1	07/08/25 08:59	07/08/25 13:09	7440-36-0	
Arsenic	**3.9**	mg/kg	1.2	1	07/08/25 08:59	07/08/25 13:09	7440-38-2	
Beryllium	**<0.31**	mg/kg	0.31	1	07/08/25 08:59	07/08/25 13:09	7440-41-7	
Cadmium	**0.23**	mg/kg	0.18	1	07/08/25 08:59	07/08/25 13:09	7440-43-9	
Chromium	**11.5**	mg/kg	0.61	1	07/08/25 08:59	07/08/25 13:09	7440-47-3	
Copper	**12.3**	mg/kg	0.61	1	07/08/25 08:59	07/08/25 13:09	7440-50-8	
Lead	**13.9**	mg/kg	0.61	1	07/08/25 08:59	07/08/25 13:09	7439-92-1	
Nickel	**12.8**	mg/kg	1.2	1	07/08/25 08:59	07/08/25 13:09	7440-02-0	
Selenium	**<1.2**	mg/kg	1.2	1	07/08/25 08:59	07/08/25 13:09	7782-49-2	
Silver	**<0.61**	mg/kg	0.61	1	07/08/25 08:59	07/08/25 13:09	7440-22-4	
Thallium	**<1.2**	mg/kg	1.2	1	07/08/25 08:59	07/08/25 13:09	7440-28-0	
Zinc	**38.7**	mg/kg	2.4	1	07/08/25 08:59	07/08/25 13:09	7440-66-6	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis							
Mercury	**0.030**	mg/kg	0.023	1	07/07/25 15:26	07/08/25 14:21	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**19.1**	%	0.10	1		07/07/25 13:11		N2
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Acenaphthene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	83-32-9	
Acenaphthylene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	208-96-8	
Anthracene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	120-12-7	
Benzo(a)anthracene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	56-55-3	
Benzo(a)pyrene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	50-32-8	
Benzo(b)fluoranthene	**446**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	205-99-2	
Benzo(g,h,i)perylene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	191-24-2	
Benzo(k)fluoranthene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	207-08-9	
4-Bromophenylphenyl ether	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	101-55-3	
Butylbenzylphthalate	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	85-68-7	
Carbazole	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	86-74-8	
4-Chloro-3-methylphenol	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	59-50-7	
4-Chloroaniline	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	106-47-8	
bis(2-Chloroethoxy)methane	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	111-91-1	
bis(2-Chloroethyl) ether	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	111-44-4	

Pace Analytical Services, LLC
1700 Elm Street
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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-5_0-4 **Lab ID: 10740890005** Collected: 06/30/25 15:20 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
bis(2-Chloroisopropyl) ether	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	108-60-1	
2-Chloronaphthalene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	91-58-7	
2-Chlorophenol	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	95-57-8	
4-Chlorophenylphenyl ether	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	7005-72-3	
Chrysene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	218-01-9	
Dibenz(a,h)anthracene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	53-70-3	
Dibenzofuran	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	132-64-9	
1,2-Dichlorobenzene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	95-50-1	
1,3-Dichlorobenzene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	541-73-1	
1,4-Dichlorobenzene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	106-46-7	
3,3'-Dichlorobenzidine	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	91-94-1	
2,4-Dichlorophenol	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	120-83-2	
Diethylphthalate	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	84-66-2	
2,4-Dimethylphenol	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	105-67-9	
Dimethylphthalate	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	131-11-3	
Di-n-butylphthalate	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	84-74-2	
4,6-Dinitro-2-methylphenol	**<2100**	ug/kg	2100	1	07/02/25 10:48	07/03/25 23:54	534-52-1	
2,4-Dinitrophenol	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	51-28-5	
2,4-Dinitrotoluene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	121-14-2	
2,6-Dinitrotoluene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	606-20-2	
Di-n-octylphthalate	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	117-84-0	
1,2-Diphenylhydrazine	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	122-66-7	
bis(2-Ethylhexyl)phthalate	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	117-81-7	
Fluoranthene	**603**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	206-44-0	
Fluorene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	86-73-7	
Hexachloro-1,3-butadiene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	87-68-3	
Hexachlorobenzene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	118-74-1	
Hexachloroethane	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	67-72-1	
Indeno(1,2,3-cd)pyrene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	193-39-5	
Isophorone	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	78-59-1	
1-Methylnaphthalene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	90-12-0	
2-Methylnaphthalene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	91-57-6	
2-Methylphenol(o-Cresol)	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54		
Naphthalene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	91-20-3	
2-Nitroaniline	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	88-74-4	
3-Nitroaniline	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	99-09-2	
4-Nitroaniline	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	100-01-6	
Nitrobenzene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	98-95-3	
2-Nitrophenol	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	88-75-5	
4-Nitrophenol	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	100-02-7	
N-Nitrosodimethylamine	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	62-75-9	
N-Nitroso-di-n-propylamine	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	621-64-7	
N-Nitrosodiphenylamine	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	86-30-6	
Pentachlorophenol	**<827**	ug/kg	827	1	07/02/25 10:48	07/03/25 23:54	87-86-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-5_0-4 **Lab ID: 10740890005** Collected: 06/30/25 15:20 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Phenanthrene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	85-01-8	
Phenol	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	108-95-2	
Pyrene	**524**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	129-00-0	
1,2,4-Trichlorobenzene	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	120-82-1	
2,4,5-Trichlorophenol	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	95-95-4	
2,4,6-Trichlorophenol	**<408**	ug/kg	408	1	07/02/25 10:48	07/03/25 23:54	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	59	%.	30-125	1	07/02/25 10:48	07/03/25 23:54	4165-60-0	
2-Fluorobiphenyl (S)	75	%.	41-125	1	07/02/25 10:48	07/03/25 23:54	321-60-8	
p-Terphenyl-d14 (S)	76	%.	38-125	1	07/02/25 10:48	07/03/25 23:54	1718-51-0	
Phenol-d6 (S)	73	%.	30-125	1	07/02/25 10:48	07/03/25 23:54	13127-88-3	
2-Fluorophenol (S)	64	%.	30-125	1	07/02/25 10:48	07/03/25 23:54	367-12-4	
2,4,6-Tribromophenol (S)	65	%.	30-133	1	07/02/25 10:48	07/03/25 23:54	118-79-6	

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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-6_0-4 **Lab ID: 10740890006** Collected: 07/01/25 09:30 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis							
WDRO C10-C28	**14.3**	mg/kg	9.9	1	07/02/25 13:56	07/07/25 09:29		T6
Surrogates								
n-Triacontane (S)	91	%.	50-150	1	07/02/25 13:56	07/07/25 09:29		
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Antimony	**<1.2**	mg/kg	1.2	1	07/08/25 08:59	07/08/25 13:10	7440-36-0	
Arsenic	**3.7**	mg/kg	1.2	1	07/08/25 08:59	07/08/25 13:10	7440-38-2	
Beryllium	**<0.29**	mg/kg	0.29	1	07/08/25 08:59	07/08/25 13:10	7440-41-7	
Cadmium	**<0.18**	mg/kg	0.18	1	07/08/25 08:59	07/08/25 13:10	7440-43-9	
Chromium	**11.6**	mg/kg	0.59	1	07/08/25 08:59	07/08/25 13:10	7440-47-3	
Copper	**11.3**	mg/kg	0.59	1	07/08/25 08:59	07/08/25 13:10	7440-50-8	
Lead	**14.7**	mg/kg	0.59	1	07/08/25 08:59	07/08/25 13:10	7439-92-1	
Nickel	**11.4**	mg/kg	1.2	1	07/08/25 08:59	07/08/25 13:10	7440-02-0	
Selenium	**<1.2**	mg/kg	1.2	1	07/08/25 08:59	07/08/25 13:10	7782-49-2	
Silver	**<0.59**	mg/kg	0.59	1	07/08/25 08:59	07/08/25 13:10	7440-22-4	
Thallium	**<1.2**	mg/kg	1.2	1	07/08/25 08:59	07/08/25 13:10	7440-28-0	
Zinc	**35.7**	mg/kg	2.4	1	07/08/25 08:59	07/08/25 13:10	7440-66-6	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis							
Mercury	**0.033**	mg/kg	0.021	1	07/07/25 15:26	07/08/25 14:23	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**20.7**	%	0.10	1		07/07/25 13:11		N2
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Acenaphthene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	83-32-9	
Acenaphthylene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	208-96-8	
Anthracene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	120-12-7	
Benzo(a)anthracene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	56-55-3	
Benzo(a)pyrene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	50-32-8	
Benzo(b)fluoranthene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	205-99-2	
Benzo(g,h,i)perylene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	191-24-2	
Benzo(k)fluoranthene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	207-08-9	
4-Bromophenylphenyl ether	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	101-55-3	
Butylbenzylphthalate	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	85-68-7	
Carbazole	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	86-74-8	
4-Chloro-3-methylphenol	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	59-50-7	
4-Chloroaniline	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	106-47-8	
bis(2-Chloroethoxy)methane	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	111-91-1	
bis(2-Chloroethyl) ether	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	111-44-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-6_0-4 **Lab ID: 10740890006** Collected: 07/01/25 09:30 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
bis(2-Chloroisopropyl) ether	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	108-60-1	
2-Chloronaphthalene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	91-58-7	
2-Chlorophenol	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	95-57-8	
4-Chlorophenylphenyl ether	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	7005-72-3	
Chrysene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	218-01-9	
Dibenz(a,h)anthracene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	53-70-3	
Dibenzofuran	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	132-64-9	
1,2-Dichlorobenzene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	95-50-1	
1,3-Dichlorobenzene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	541-73-1	
1,4-Dichlorobenzene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	106-46-7	
3,3'-Dichlorobenzidine	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	91-94-1	
2,4-Dichlorophenol	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	120-83-2	
Diethylphthalate	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	84-66-2	
2,4-Dimethylphenol	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	105-67-9	
Dimethylphthalate	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	131-11-3	
Di-n-butylphthalate	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	84-74-2	
4,6-Dinitro-2-methylphenol	**<2140**	ug/kg	2140	1	07/02/25 10:48	07/04/25 00:20	534-52-1	
2,4-Dinitrophenol	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	51-28-5	
2,4-Dinitrotoluene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	121-14-2	
2,6-Dinitrotoluene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	606-20-2	
Di-n-octylphthalate	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	117-84-0	
1,2-Diphenylhydrazine	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	122-66-7	
bis(2-Ethylhexyl)phthalate	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	117-81-7	
Fluoranthene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	206-44-0	
Fluorene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	86-73-7	
Hexachloro-1,3-butadiene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	87-68-3	
Hexachlorobenzene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	118-74-1	
Hexachloroethane	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	67-72-1	
Indeno(1,2,3-cd)pyrene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	193-39-5	
Isophorone	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	78-59-1	
1-Methylnaphthalene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	90-12-0	
2-Methylnaphthalene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	91-57-6	
2-Methylphenol(o-Cresol)	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20		
Naphthalene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	91-20-3	
2-Nitroaniline	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	88-74-4	
3-Nitroaniline	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	99-09-2	
4-Nitroaniline	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	100-01-6	
Nitrobenzene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	98-95-3	
2-Nitrophenol	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	88-75-5	
4-Nitrophenol	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	100-02-7	
N-Nitrosodimethylamine	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	62-75-9	
N-Nitroso-di-n-propylamine	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	621-64-7	
N-Nitrosodiphenylamine	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	86-30-6	
Pentachlorophenol	**<842**	ug/kg	842	1	07/02/25 10:48	07/04/25 00:20	87-86-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-6_0-4 **Lab ID: 10740890006** Collected: 07/01/25 09:30 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Phenanthrene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	85-01-8	
Phenol	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	108-95-2	
Pyrene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	129-00-0	
1,2,4-Trichlorobenzene	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	120-82-1	
2,4,5-Trichlorophenol	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	95-95-4	
2,4,6-Trichlorophenol	**<415**	ug/kg	415	1	07/02/25 10:48	07/04/25 00:20	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	61	%.	30-125	1	07/02/25 10:48	07/04/25 00:20	4165-60-0	
2-Fluorobiphenyl (S)	75	%.	41-125	1	07/02/25 10:48	07/04/25 00:20	321-60-8	
p-Terphenyl-d14 (S)	78	%.	38-125	1	07/02/25 10:48	07/04/25 00:20	1718-51-0	
Phenol-d6 (S)	70	%.	30-125	1	07/02/25 10:48	07/04/25 00:20	13127-88-3	
2-Fluorophenol (S)	61	%.	30-125	1	07/02/25 10:48	07/04/25 00:20	367-12-4	
2,4,6-Tribromophenol (S)	71	%.	30-133	1	07/02/25 10:48	07/04/25 00:20	118-79-6	

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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-7_0-4 **Lab ID: 10740890007** Collected: 07/01/25 10:30 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis							
WDRO C10-C28	**12.9**	mg/kg	9.5	1	07/02/25 13:56	07/07/25 09:36		T6
Surrogates								
n-Triacontane (S)	93	%.	50-150	1	07/02/25 13:56	07/07/25 09:36		
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Antimony	**<1.1**	mg/kg	1.1	1	07/08/25 08:59	07/08/25 13:12	7440-36-0	
Arsenic	**4.2**	mg/kg	1.1	1	07/08/25 08:59	07/08/25 13:12	7440-38-2	
Beryllium	**<0.28**	mg/kg	0.28	1	07/08/25 08:59	07/08/25 13:12	7440-41-7	
Cadmium	**<0.17**	mg/kg	0.17	1	07/08/25 08:59	07/08/25 13:12	7440-43-9	
Chromium	**11.5**	mg/kg	0.56	1	07/08/25 08:59	07/08/25 13:12	7440-47-3	
Copper	**11.8**	mg/kg	0.56	1	07/08/25 08:59	07/08/25 13:12	7440-50-8	
Lead	**12.6**	mg/kg	0.56	1	07/08/25 08:59	07/08/25 13:12	7439-92-1	
Nickel	**11.9**	mg/kg	1.1	1	07/08/25 08:59	07/08/25 13:12	7440-02-0	
Selenium	**<1.1**	mg/kg	1.1	1	07/08/25 08:59	07/08/25 13:12	7782-49-2	
Silver	**<0.56**	mg/kg	0.56	1	07/08/25 08:59	07/08/25 13:12	7440-22-4	
Thallium	**<1.1**	mg/kg	1.1	1	07/08/25 08:59	07/08/25 13:12	7440-28-0	
Zinc	**36.5**	mg/kg	2.2	1	07/08/25 08:59	07/08/25 13:12	7440-66-6	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis							
Mercury	**0.036**	mg/kg	0.021	1	07/07/25 15:26	07/08/25 14:25	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**16.4**	%	0.10	1		07/07/25 13:11		N2
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Acenaphthene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	83-32-9	
Acenaphthylene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	208-96-8	
Anthracene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	120-12-7	
Benzo(a)anthracene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	56-55-3	
Benzo(a)pyrene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	50-32-8	
Benzo(b)fluoranthene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	205-99-2	
Benzo(g,h,i)perylene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	191-24-2	
Benzo(k)fluoranthene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	207-08-9	
4-Bromophenylphenyl ether	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	101-55-3	
Butylbenzylphthalate	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	85-68-7	
Carbazole	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	86-74-8	
4-Chloro-3-methylphenol	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	59-50-7	
4-Chloroaniline	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	106-47-8	
bis(2-Chloroethoxy)methane	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	111-91-1	
bis(2-Chloroethyl) ether	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	111-44-4	

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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-7_0-4 **Lab ID: 10740890007** Collected: 07/01/25 10:30 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
bis(2-Chloroisopropyl) ether	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	108-60-1	
2-Chloronaphthalene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	91-58-7	
2-Chlorophenol	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	95-57-8	
4-Chlorophenylphenyl ether	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	7005-72-3	
Chrysene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	218-01-9	
Dibenz(a,h)anthracene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	53-70-3	
Dibenzofuran	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	132-64-9	
1,2-Dichlorobenzene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	95-50-1	
1,3-Dichlorobenzene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	541-73-1	
1,4-Dichlorobenzene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	106-46-7	
3,3'-Dichlorobenzidine	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	91-94-1	
2,4-Dichlorophenol	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	120-83-2	
Diethylphthalate	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	84-66-2	
2,4-Dimethylphenol	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	105-67-9	
Dimethylphthalate	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	131-11-3	
Di-n-butylphthalate	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	84-74-2	
4,6-Dinitro-2-methylphenol	**<2020**	ug/kg	2020	1	07/02/25 10:48	07/04/25 00:45	534-52-1	
2,4-Dinitrophenol	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	51-28-5	
2,4-Dinitrotoluene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	121-14-2	
2,6-Dinitrotoluene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	606-20-2	
Di-n-octylphthalate	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	117-84-0	
1,2-Diphenylhydrazine	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	122-66-7	
bis(2-Ethylhexyl)phthalate	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	117-81-7	
Fluoranthene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	206-44-0	
Fluorene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	86-73-7	
Hexachloro-1,3-butadiene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	87-68-3	
Hexachlorobenzene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	118-74-1	
Hexachloroethane	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	67-72-1	
Indeno(1,2,3-cd)pyrene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	193-39-5	
Isophorone	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	78-59-1	
1-Methylnaphthalene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	90-12-0	
2-Methylnaphthalene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	91-57-6	
2-Methylphenol(o-Cresol)	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45		
Naphthalene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	91-20-3	
2-Nitroaniline	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	88-74-4	
3-Nitroaniline	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	99-09-2	
4-Nitroaniline	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	100-01-6	
Nitrobenzene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	98-95-3	
2-Nitrophenol	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	88-75-5	
4-Nitrophenol	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	100-02-7	
N-Nitrosodimethylamine	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	62-75-9	
N-Nitroso-di-n-propylamine	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	621-64-7	
N-Nitrosodiphenylamine	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	86-30-6	
Pentachlorophenol	**<796**	ug/kg	796	1	07/02/25 10:48	07/04/25 00:45	87-86-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-7_0-4 **Lab ID: 10740890007** Collected: 07/01/25 10:30 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Phenanthrene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	85-01-8	
Phenol	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	108-95-2	
Pyrene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	129-00-0	
1,2,4-Trichlorobenzene	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	120-82-1	
2,4,5-Trichlorophenol	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	95-95-4	
2,4,6-Trichlorophenol	**<392**	ug/kg	392	1	07/02/25 10:48	07/04/25 00:45	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	60	%.	30-125	1	07/02/25 10:48	07/04/25 00:45	4165-60-0	
2-Fluorobiphenyl (S)	70	%.	41-125	1	07/02/25 10:48	07/04/25 00:45	321-60-8	
p-Terphenyl-d14 (S)	72	%.	38-125	1	07/02/25 10:48	07/04/25 00:45	1718-51-0	
Phenol-d6 (S)	67	%.	30-125	1	07/02/25 10:48	07/04/25 00:45	13127-88-3	
2-Fluorophenol (S)	61	%.	30-125	1	07/02/25 10:48	07/04/25 00:45	367-12-4	
2,4,6-Tribromophenol (S)	59	%.	30-133	1	07/02/25 10:48	07/04/25 00:45	118-79-6	

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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-8_0-4 **Lab ID: 10740890008** Collected: 07/01/25 12:00 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis							
WDRO C10-C28	**16.2**	mg/kg	9.0	1	07/02/25 13:56	07/07/25 09:16		T6
Surrogates								
n-Triacontane (S)	93	%.	50-150	1	07/02/25 13:56	07/07/25 09:16		
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Antimony	**<1.2**	mg/kg	1.2	1	07/08/25 08:59	07/08/25 13:14	7440-36-0	
Arsenic	**3.6**	mg/kg	1.2	1	07/08/25 08:59	07/08/25 13:14	7440-38-2	
Beryllium	**<0.30**	mg/kg	0.30	1	07/08/25 08:59	07/08/25 13:14	7440-41-7	
Cadmium	**<0.18**	mg/kg	0.18	1	07/08/25 08:59	07/08/25 13:14	7440-43-9	
Chromium	**11.3**	mg/kg	0.60	1	07/08/25 08:59	07/08/25 13:14	7440-47-3	
Copper	**11.5**	mg/kg	0.60	1	07/08/25 08:59	07/08/25 13:14	7440-50-8	
Lead	**15.9**	mg/kg	0.60	1	07/08/25 08:59	07/08/25 13:14	7439-92-1	
Nickel	**11.2**	mg/kg	1.2	1	07/08/25 08:59	07/08/25 13:14	7440-02-0	
Selenium	**<1.2**	mg/kg	1.2	1	07/08/25 08:59	07/08/25 13:14	7782-49-2	
Silver	**<0.60**	mg/kg	0.60	1	07/08/25 08:59	07/08/25 13:14	7440-22-4	
Thallium	**<1.2**	mg/kg	1.2	1	07/08/25 08:59	07/08/25 13:14	7440-28-0	
Zinc	**36.6**	mg/kg	2.4	1	07/08/25 08:59	07/08/25 13:14	7440-66-6	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis							
Mercury	**0.031**	mg/kg	0.022	1	07/07/25 15:26	07/08/25 14:26	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**18.4**	%	0.10	1		07/07/25 13:11		N2
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Acenaphthene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	83-32-9	
Acenaphthylene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	208-96-8	
Anthracene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	120-12-7	
Benzo(a)anthracene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	56-55-3	
Benzo(a)pyrene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	50-32-8	
Benzo(b)fluoranthene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	205-99-2	
Benzo(g,h,i)perylene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	191-24-2	
Benzo(k)fluoranthene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	207-08-9	
4-Bromophenylphenyl ether	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	101-55-3	
Butylbenzylphthalate	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	85-68-7	
Carbazole	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	86-74-8	
4-Chloro-3-methylphenol	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	59-50-7	
4-Chloroaniline	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	106-47-8	
bis(2-Chloroethoxy)methane	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	111-91-1	
bis(2-Chloroethyl) ether	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	111-44-4	

Pace Analytical Services, LLC
1700 Elm Street
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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-8_0-4 **Lab ID: 10740890008** Collected: 07/01/25 12:00 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
bis(2-Chloroisopropyl) ether	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	108-60-1	
2-Chloronaphthalene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	91-58-7	
2-Chlorophenol	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	95-57-8	
4-Chlorophenylphenyl ether	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	7005-72-3	
Chrysene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	218-01-9	
Dibenz(a,h)anthracene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	53-70-3	
Dibenzofuran	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	132-64-9	
1,2-Dichlorobenzene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	95-50-1	
1,3-Dichlorobenzene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	541-73-1	
1,4-Dichlorobenzene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	106-46-7	
3,3'-Dichlorobenzidine	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	91-94-1	
2,4-Dichlorophenol	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	120-83-2	
Diethylphthalate	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	84-66-2	
2,4-Dimethylphenol	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	105-67-9	
Dimethylphthalate	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	131-11-3	
Di-n-butylphthalate	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	84-74-2	
4,6-Dinitro-2-methylphenol	**<2080**	ug/kg	2080	1	07/02/25 10:48	07/04/25 01:10	534-52-1	
2,4-Dinitrophenol	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	51-28-5	
2,4-Dinitrotoluene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	121-14-2	
2,6-Dinitrotoluene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	606-20-2	
Di-n-octylphthalate	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	117-84-0	
1,2-Diphenylhydrazine	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	122-66-7	
bis(2-Ethylhexyl)phthalate	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	117-81-7	
Fluoranthene	**438**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	206-44-0	
Fluorene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	86-73-7	
Hexachloro-1,3-butadiene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	87-68-3	
Hexachlorobenzene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	118-74-1	
Hexachloroethane	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	67-72-1	
Indeno(1,2,3-cd)pyrene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	193-39-5	
Isophorone	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	78-59-1	
1-Methylnaphthalene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	90-12-0	
2-Methylnaphthalene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	91-57-6	
2-Methylphenol(o-Cresol)	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10		
Naphthalene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	91-20-3	
2-Nitroaniline	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	88-74-4	
3-Nitroaniline	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	99-09-2	
4-Nitroaniline	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	100-01-6	
Nitrobenzene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	98-95-3	
2-Nitrophenol	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	88-75-5	
4-Nitrophenol	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	100-02-7	
N-Nitrosodimethylamine	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	62-75-9	
N-Nitroso-di-n-propylamine	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	621-64-7	
N-Nitrosodiphenylamine	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	86-30-6	
Pentachlorophenol	**<821**	ug/kg	821	1	07/02/25 10:48	07/04/25 01:10	87-86-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-8_0-4 **Lab ID: 10740890008** Collected: 07/01/25 12:00 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV Microwave	Analytical Method: EPA 8270E Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Phenanthrene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	85-01-8	
Phenol	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	108-95-2	
Pyrene	**449**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	129-00-0	
1,2,4-Trichlorobenzene	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	120-82-1	
2,4,5-Trichlorophenol	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	95-95-4	
2,4,6-Trichlorophenol	**<404**	ug/kg	404	1	07/02/25 10:48	07/04/25 01:10	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	59	%.	30-125	1	07/02/25 10:48	07/04/25 01:10	4165-60-0	
2-Fluorobiphenyl (S)	68	%.	41-125	1	07/02/25 10:48	07/04/25 01:10	321-60-8	
p-Terphenyl-d14 (S)	72	%.	38-125	1	07/02/25 10:48	07/04/25 01:10	1718-51-0	
Phenol-d6 (S)	64	%.	30-125	1	07/02/25 10:48	07/04/25 01:10	13127-88-3	
2-Fluorophenol (S)	59	%.	30-125	1	07/02/25 10:48	07/04/25 01:10	367-12-4	
2,4,6-Tribromophenol (S)	62	%.	30-133	1	07/02/25 10:48	07/04/25 01:10	118-79-6	

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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-1C_2-3 **Lab ID: 10740890009** Collected: 06/30/25 10:45 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis							
Gasoline Range Organics	**<14.2**	mg/kg	14.2	1	07/07/25 07:20	07/07/25 14:41		
Surrogates								
a,a,a-Trifluorotoluene (S)	97	%.	80-200	1	07/07/25 07:20	07/07/25 14:41	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**17.0**	%	0.10	1		07/14/25 11:37		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	**<1250**	ug/kg	1250	1	07/10/25 11:36	07/10/25 17:55	67-64-1	
Allyl chloride	**<250**	ug/kg	250	1	07/10/25 11:36	07/10/25 17:55	107-05-1	
Benzene	**<25.0**	ug/kg	25.0	1	07/10/25 11:36	07/10/25 17:55	71-43-2	
Bromobenzene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	108-86-1	
Bromochloromethane	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	74-97-5	
Bromodichloromethane	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	75-27-4	
Bromoform	**<250**	ug/kg	250	1	07/10/25 11:36	07/10/25 17:55	75-25-2	
Bromomethane	**<625**	ug/kg	625	1	07/10/25 11:36	07/10/25 17:55	74-83-9	
2-Butanone (MEK)	**<313**	ug/kg	313	1	07/10/25 11:36	07/10/25 17:55	78-93-3	
n-Butylbenzene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	104-51-8	
sec-Butylbenzene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	135-98-8	
tert-Butylbenzene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	98-06-6	
Carbon tetrachloride	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	56-23-5	
Chlorobenzene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	108-90-7	
Chloroethane	**<625**	ug/kg	625	1	07/10/25 11:36	07/10/25 17:55	75-00-3	
Chloroform	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	67-66-3	
Chloromethane	**<250**	ug/kg	250	1	07/10/25 11:36	07/10/25 17:55	74-87-3	
2-Chlorotoluene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	95-49-8	
4-Chlorotoluene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	106-43-4	
1,2-Dibromo-3-chloropropane	**<625**	ug/kg	625	1	07/10/25 11:36	07/10/25 17:55	96-12-8	
Dibromochloromethane	**<250**	ug/kg	250	1	07/10/25 11:36	07/10/25 17:55	124-48-1	
1,2-Dibromoethane (EDB)	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	106-93-4	
Dibromomethane	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	74-95-3	
1,2-Dichlorobenzene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	95-50-1	
1,3-Dichlorobenzene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	541-73-1	
1,4-Dichlorobenzene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	106-46-7	
Dichlorodifluoromethane	**<250**	ug/kg	250	1	07/10/25 11:36	07/10/25 17:55	75-71-8	
1,1-Dichloroethane	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	75-34-3	
1,2-Dichloroethane	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	107-06-2	
1,1-Dichloroethene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	75-35-4	
cis-1,2-Dichloroethene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	156-59-2	
trans-1,2-Dichloroethene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	156-60-5	
Dichlorofluoromethane	**<625**	ug/kg	625	1	07/10/25 11:36	07/10/25 17:55	75-43-4	
1,2-Dichloropropane	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	78-87-5	
1,3-Dichloropropane	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	142-28-9	

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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-1C_2-3 **Lab ID: 10740890009** Collected: 06/30/25 10:45 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
2,2-Dichloropropane	**<250**	ug/kg	250	1	07/10/25 11:36	07/10/25 17:55	594-20-7	
1,1-Dichloropropene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	563-58-6	
cis-1,3-Dichloropropene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	10061-01-5	
trans-1,3-Dichloropropene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	10061-02-6	
Diethyl ether (Ethyl ether)	**<250**	ug/kg	250	1	07/10/25 11:36	07/10/25 17:55	60-29-7	
Ethylbenzene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	100-41-4	
Hexachloro-1,3-butadiene	**<313**	ug/kg	313	1	07/10/25 11:36	07/10/25 17:55	87-68-3	
Isopropylbenzene (Cumene)	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	98-82-8	
p-Isopropyltoluene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	99-87-6	
Methylene Chloride	**<250**	ug/kg	250	1	07/10/25 11:36	07/10/25 17:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<313**	ug/kg	313	1	07/10/25 11:36	07/10/25 17:55	108-10-1	
Methyl-tert-butyl ether	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	1634-04-4	
Naphthalene	**<250**	ug/kg	250	1	07/10/25 11:36	07/10/25 17:55	91-20-3	
n-Propylbenzene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	103-65-1	
Styrene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	100-42-5	
1,1,1,2-Tetrachloroethane	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	630-20-6	
1,1,2,2-Tetrachloroethane	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	79-34-5	
Tetrachloroethene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	127-18-4	
Tetrahydrofuran	**<2500**	ug/kg	2500	1	07/10/25 11:36	07/10/25 17:55	109-99-9	
Toluene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	108-88-3	
1,2,3-Trichlorobenzene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	87-61-6	
1,2,4-Trichlorobenzene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	120-82-1	
1,1,1-Trichloroethane	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	71-55-6	
1,1,2-Trichloroethane	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	79-00-5	
Trichloroethene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	79-01-6	
Trichlorofluoromethane	**<250**	ug/kg	250	1	07/10/25 11:36	07/10/25 17:55	75-69-4	
1,2,3-Trichloropropane	**<250**	ug/kg	250	1	07/10/25 11:36	07/10/25 17:55	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<250**	ug/kg	250	1	07/10/25 11:36	07/10/25 17:55	76-13-1	
1,2,4-Trimethylbenzene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	95-63-6	
1,3,5-Trimethylbenzene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	108-67-8	
Vinyl chloride	**<25.0**	ug/kg	25.0	1	07/10/25 11:36	07/10/25 17:55	75-01-4	
Xylene (Total)	**<188**	ug/kg	188	1	07/10/25 11:36	07/10/25 17:55	1330-20-7	
m&p-Xylene	**<125**	ug/kg	125	1	07/10/25 11:36	07/10/25 17:55	179601-23-1	
o-Xylene	**<62.5**	ug/kg	62.5	1	07/10/25 11:36	07/10/25 17:55	95-47-6	
Surrogates								
Toluene-d8 (S)	97	%.	75-125	1	07/10/25 11:36	07/10/25 17:55	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125	1	07/10/25 11:36	07/10/25 17:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%.	75-125	1	07/10/25 11:36	07/10/25 17:55	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-2D_3-4 **Lab ID: 10740890010** Collected: 06/30/25 11:55 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis							
Gasoline Range Organics	**<14.8**	mg/kg	14.8	1	07/07/25 07:20	07/07/25 15:03		
Surrogates								
a,a,a-Trifluorotoluene (S)	98	%.	80-200	1	07/07/25 07:20	07/07/25 15:03	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**17.7**	%	0.10	1		07/14/25 11:37		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	**<1270**	ug/kg	1270	1	07/10/25 11:36	07/10/25 18:10	67-64-1	
Allyl chloride	**<255**	ug/kg	255	1	07/10/25 11:36	07/10/25 18:10	107-05-1	
Benzene	**<25.5**	ug/kg	25.5	1	07/10/25 11:36	07/10/25 18:10	71-43-2	
Bromobenzene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	108-86-1	
Bromochloromethane	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	74-97-5	
Bromodichloromethane	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	75-27-4	
Bromoform	**<255**	ug/kg	255	1	07/10/25 11:36	07/10/25 18:10	75-25-2	
Bromomethane	**<637**	ug/kg	637	1	07/10/25 11:36	07/10/25 18:10	74-83-9	
2-Butanone (MEK)	**<319**	ug/kg	319	1	07/10/25 11:36	07/10/25 18:10	78-93-3	
n-Butylbenzene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	104-51-8	
sec-Butylbenzene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	135-98-8	
tert-Butylbenzene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	98-06-6	
Carbon tetrachloride	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	56-23-5	
Chlorobenzene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	108-90-7	
Chloroethane	**<637**	ug/kg	637	1	07/10/25 11:36	07/10/25 18:10	75-00-3	
Chloroform	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	67-66-3	
Chloromethane	**<255**	ug/kg	255	1	07/10/25 11:36	07/10/25 18:10	74-87-3	
2-Chlorotoluene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	95-49-8	
4-Chlorotoluene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	106-43-4	
1,2-Dibromo-3-chloropropane	**<637**	ug/kg	637	1	07/10/25 11:36	07/10/25 18:10	96-12-8	
Dibromochloromethane	**<255**	ug/kg	255	1	07/10/25 11:36	07/10/25 18:10	124-48-1	
1,2-Dibromoethane (EDB)	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	106-93-4	
Dibromomethane	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	74-95-3	
1,2-Dichlorobenzene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	95-50-1	
1,3-Dichlorobenzene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	541-73-1	
1,4-Dichlorobenzene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	106-46-7	
Dichlorodifluoromethane	**<255**	ug/kg	255	1	07/10/25 11:36	07/10/25 18:10	75-71-8	
1,1-Dichloroethane	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	75-34-3	
1,2-Dichloroethane	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	107-06-2	
1,1-Dichloroethene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	75-35-4	
cis-1,2-Dichloroethene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	156-59-2	
trans-1,2-Dichloroethene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	156-60-5	
Dichlorofluoromethane	**<637**	ug/kg	637	1	07/10/25 11:36	07/10/25 18:10	75-43-4	
1,2-Dichloropropane	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	78-87-5	
1,3-Dichloropropane	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	142-28-9	

Pace Analytical Services, LLC
1700 Elm Street
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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-2D_3-4 **Lab ID: 10740890010** Collected: 06/30/25 11:55 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
2,2-Dichloropropane	**<255**	ug/kg	255	1	07/10/25 11:36	07/10/25 18:10	594-20-7	
1,1-Dichloropropene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	563-58-6	
cis-1,3-Dichloropropene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	10061-01-5	
trans-1,3-Dichloropropene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	10061-02-6	
Diethyl ether (Ethyl ether)	**<255**	ug/kg	255	1	07/10/25 11:36	07/10/25 18:10	60-29-7	
Ethylbenzene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	100-41-4	
Hexachloro-1,3-butadiene	**<319**	ug/kg	319	1	07/10/25 11:36	07/10/25 18:10	87-68-3	
Isopropylbenzene (Cumene)	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	98-82-8	
p-Isopropyltoluene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	99-87-6	
Methylene Chloride	**<255**	ug/kg	255	1	07/10/25 11:36	07/10/25 18:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<319**	ug/kg	319	1	07/10/25 11:36	07/10/25 18:10	108-10-1	
Methyl-tert-butyl ether	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	1634-04-4	
Naphthalene	**<255**	ug/kg	255	1	07/10/25 11:36	07/10/25 18:10	91-20-3	
n-Propylbenzene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	103-65-1	
Styrene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	100-42-5	
1,1,1,2-Tetrachloroethane	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	630-20-6	
1,1,2,2-Tetrachloroethane	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	79-34-5	
Tetrachloroethene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	127-18-4	
Tetrahydrofuran	**<2550**	ug/kg	2550	1	07/10/25 11:36	07/10/25 18:10	109-99-9	
Toluene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	108-88-3	
1,2,3-Trichlorobenzene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	87-61-6	
1,2,4-Trichlorobenzene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	120-82-1	
1,1,1-Trichloroethane	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	71-55-6	
1,1,2-Trichloroethane	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	79-00-5	
Trichloroethene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	79-01-6	
Trichlorofluoromethane	**<255**	ug/kg	255	1	07/10/25 11:36	07/10/25 18:10	75-69-4	
1,2,3-Trichloropropane	**<255**	ug/kg	255	1	07/10/25 11:36	07/10/25 18:10	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<255**	ug/kg	255	1	07/10/25 11:36	07/10/25 18:10	76-13-1	
1,2,4-Trimethylbenzene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	95-63-6	
1,3,5-Trimethylbenzene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	108-67-8	
Vinyl chloride	**<25.5**	ug/kg	25.5	1	07/10/25 11:36	07/10/25 18:10	75-01-4	
Xylene (Total)	**<191**	ug/kg	191	1	07/10/25 11:36	07/10/25 18:10	1330-20-7	
m&p-Xylene	**<127**	ug/kg	127	1	07/10/25 11:36	07/10/25 18:10	179601-23-1	
o-Xylene	**<63.7**	ug/kg	63.7	1	07/10/25 11:36	07/10/25 18:10	95-47-6	
Surrogates								
Toluene-d8 (S)	101	%.	75-125	1	07/10/25 11:36	07/10/25 18:10	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	75-125	1	07/10/25 11:36	07/10/25 18:10	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%.	75-125	1	07/10/25 11:36	07/10/25 18:10	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-3C_3-4 **Lab ID: 10740890011** Collected: 06/30/25 12:00 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis							
Gasoline Range Organics	**<13.6**	mg/kg	13.6	1	07/07/25 07:20	07/07/25 15:24		
Surrogates								
a,a,a-Trifluorotoluene (S)	95	%.	80-200	1	07/07/25 07:20	07/07/25 15:24	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**15.9**	%	0.10	1		07/14/25 11:37		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	**<1150**	ug/kg	1150	1	07/10/25 11:36	07/10/25 18:25	67-64-1	
Allyl chloride	**<230**	ug/kg	230	1	07/10/25 11:36	07/10/25 18:25	107-05-1	
Benzene	**<23.0**	ug/kg	23.0	1	07/10/25 11:36	07/10/25 18:25	71-43-2	
Bromobenzene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	108-86-1	
Bromochloromethane	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	74-97-5	
Bromodichloromethane	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	75-27-4	
Bromoform	**<230**	ug/kg	230	1	07/10/25 11:36	07/10/25 18:25	75-25-2	
Bromomethane	**<574**	ug/kg	574	1	07/10/25 11:36	07/10/25 18:25	74-83-9	
2-Butanone (MEK)	**<287**	ug/kg	287	1	07/10/25 11:36	07/10/25 18:25	78-93-3	
n-Butylbenzene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	104-51-8	
sec-Butylbenzene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	135-98-8	
tert-Butylbenzene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	98-06-6	
Carbon tetrachloride	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	56-23-5	
Chlorobenzene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	108-90-7	
Chloroethane	**<574**	ug/kg	574	1	07/10/25 11:36	07/10/25 18:25	75-00-3	
Chloroform	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	67-66-3	
Chloromethane	**<230**	ug/kg	230	1	07/10/25 11:36	07/10/25 18:25	74-87-3	
2-Chlorotoluene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	95-49-8	
4-Chlorotoluene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	106-43-4	
1,2-Dibromo-3-chloropropane	**<574**	ug/kg	574	1	07/10/25 11:36	07/10/25 18:25	96-12-8	
Dibromochloromethane	**<230**	ug/kg	230	1	07/10/25 11:36	07/10/25 18:25	124-48-1	
1,2-Dibromoethane (EDB)	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	106-93-4	
Dibromomethane	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	74-95-3	
1,2-Dichlorobenzene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	95-50-1	
1,3-Dichlorobenzene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	541-73-1	
1,4-Dichlorobenzene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	106-46-7	
Dichlorodifluoromethane	**<230**	ug/kg	230	1	07/10/25 11:36	07/10/25 18:25	75-71-8	
1,1-Dichloroethane	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	75-34-3	
1,2-Dichloroethane	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	107-06-2	
1,1-Dichloroethene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	75-35-4	
cis-1,2-Dichloroethene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	156-59-2	
trans-1,2-Dichloroethene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	156-60-5	
Dichlorofluoromethane	**<574**	ug/kg	574	1	07/10/25 11:36	07/10/25 18:25	75-43-4	
1,2-Dichloropropane	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	78-87-5	
1,3-Dichloropropane	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	142-28-9	

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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-3C_3-4 **Lab ID: 10740890011** Collected: 06/30/25 12:00 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
2,2-Dichloropropane	**<230**	ug/kg	230	1	07/10/25 11:36	07/10/25 18:25	594-20-7	
1,1-Dichloropropene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	563-58-6	
cis-1,3-Dichloropropene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	10061-01-5	
trans-1,3-Dichloropropene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	10061-02-6	
Diethyl ether (Ethyl ether)	**<230**	ug/kg	230	1	07/10/25 11:36	07/10/25 18:25	60-29-7	
Ethylbenzene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	100-41-4	
Hexachloro-1,3-butadiene	**<287**	ug/kg	287	1	07/10/25 11:36	07/10/25 18:25	87-68-3	
Isopropylbenzene (Cumene)	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	98-82-8	
p-Isopropyltoluene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	99-87-6	
Methylene Chloride	**<230**	ug/kg	230	1	07/10/25 11:36	07/10/25 18:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<287**	ug/kg	287	1	07/10/25 11:36	07/10/25 18:25	108-10-1	
Methyl-tert-butyl ether	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	1634-04-4	
Naphthalene	**<230**	ug/kg	230	1	07/10/25 11:36	07/10/25 18:25	91-20-3	
n-Propylbenzene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	103-65-1	
Styrene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	100-42-5	
1,1,1,2-Tetrachloroethane	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	630-20-6	
1,1,2,2-Tetrachloroethane	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	79-34-5	
Tetrachloroethene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	127-18-4	
Tetrahydrofuran	**<2300**	ug/kg	2300	1	07/10/25 11:36	07/10/25 18:25	109-99-9	
Toluene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	108-88-3	
1,2,3-Trichlorobenzene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	87-61-6	
1,2,4-Trichlorobenzene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	120-82-1	
1,1,1-Trichloroethane	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	71-55-6	
1,1,2-Trichloroethane	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	79-00-5	
Trichloroethene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	79-01-6	
Trichlorofluoromethane	**<230**	ug/kg	230	1	07/10/25 11:36	07/10/25 18:25	75-69-4	
1,2,3-Trichloropropane	**<230**	ug/kg	230	1	07/10/25 11:36	07/10/25 18:25	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<230**	ug/kg	230	1	07/10/25 11:36	07/10/25 18:25	76-13-1	
1,2,4-Trimethylbenzene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	95-63-6	
1,3,5-Trimethylbenzene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	108-67-8	
Vinyl chloride	**<23.0**	ug/kg	23.0	1	07/10/25 11:36	07/10/25 18:25	75-01-4	
Xylene (Total)	**<172**	ug/kg	172	1	07/10/25 11:36	07/10/25 18:25	1330-20-7	
m&p-Xylene	**<115**	ug/kg	115	1	07/10/25 11:36	07/10/25 18:25	179601-23-1	
o-Xylene	**<57.4**	ug/kg	57.4	1	07/10/25 11:36	07/10/25 18:25	95-47-6	
Surrogates								
Toluene-d8 (S)	105	%.	75-125	1	07/10/25 11:36	07/10/25 18:25	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	1	07/10/25 11:36	07/10/25 18:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%.	75-125	1	07/10/25 11:36	07/10/25 18:25	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-4C_3-4 **Lab ID: 10740890012** Collected: 06/30/25 14:10 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis							
Gasoline Range Organics	**<14.5**	mg/kg	14.5	1	07/07/25 07:20	07/07/25 15:46		
Surrogates								
a,a,a-Trifluorotoluene (S)	95	%.	80-200	1	07/07/25 07:20	07/07/25 15:46	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**17.9**	%	0.10	1		07/14/25 11:37		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	**<1370**	ug/kg	1370	1	07/10/25 11:36	07/10/25 19:24	67-64-1	
Allyl chloride	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 19:24	107-05-1	
Benzene	**<27.3**	ug/kg	27.3	1	07/10/25 11:36	07/10/25 19:24	71-43-2	
Bromobenzene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	108-86-1	
Bromochloromethane	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	74-97-5	
Bromodichloromethane	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	75-27-4	
Bromoform	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 19:24	75-25-2	
Bromomethane	**<683**	ug/kg	683	1	07/10/25 11:36	07/10/25 19:24	74-83-9	
2-Butanone (MEK)	**<341**	ug/kg	341	1	07/10/25 11:36	07/10/25 19:24	78-93-3	
n-Butylbenzene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	104-51-8	
sec-Butylbenzene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	135-98-8	
tert-Butylbenzene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	98-06-6	
Carbon tetrachloride	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	56-23-5	
Chlorobenzene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	108-90-7	
Chloroethane	**<683**	ug/kg	683	1	07/10/25 11:36	07/10/25 19:24	75-00-3	
Chloroform	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	67-66-3	
Chloromethane	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 19:24	74-87-3	
2-Chlorotoluene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	95-49-8	
4-Chlorotoluene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	106-43-4	
1,2-Dibromo-3-chloropropane	**<683**	ug/kg	683	1	07/10/25 11:36	07/10/25 19:24	96-12-8	
Dibromochloromethane	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 19:24	124-48-1	
1,2-Dibromoethane (EDB)	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	106-93-4	
Dibromomethane	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	74-95-3	
1,2-Dichlorobenzene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	95-50-1	
1,3-Dichlorobenzene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	541-73-1	
1,4-Dichlorobenzene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	106-46-7	
Dichlorodifluoromethane	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 19:24	75-71-8	
1,1-Dichloroethane	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	75-34-3	
1,2-Dichloroethane	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	107-06-2	
1,1-Dichloroethene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	75-35-4	
cis-1,2-Dichloroethene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	156-59-2	
trans-1,2-Dichloroethene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	156-60-5	
Dichlorofluoromethane	**<683**	ug/kg	683	1	07/10/25 11:36	07/10/25 19:24	75-43-4	
1,2-Dichloropropane	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	78-87-5	
1,3-Dichloropropane	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	142-28-9	

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-4C_3-4 **Lab ID: 10740890012** Collected: 06/30/25 14:10 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
2,2-Dichloropropane	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 19:24	594-20-7	
1,1-Dichloropropene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	563-58-6	
cis-1,3-Dichloropropene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	10061-01-5	
trans-1,3-Dichloropropene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	10061-02-6	
Diethyl ether (Ethyl ether)	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 19:24	60-29-7	
Ethylbenzene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	100-41-4	
Hexachloro-1,3-butadiene	**<341**	ug/kg	341	1	07/10/25 11:36	07/10/25 19:24	87-68-3	
Isopropylbenzene (Cumene)	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	98-82-8	
p-Isopropyltoluene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	99-87-6	
Methylene Chloride	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 19:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<341**	ug/kg	341	1	07/10/25 11:36	07/10/25 19:24	108-10-1	
Methyl-tert-butyl ether	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	1634-04-4	
Naphthalene	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 19:24	91-20-3	
n-Propylbenzene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	103-65-1	
Styrene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	100-42-5	
1,1,1,2-Tetrachloroethane	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	630-20-6	
1,1,2,2-Tetrachloroethane	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	79-34-5	
Tetrachloroethene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	127-18-4	
Tetrahydrofuran	**<2730**	ug/kg	2730	1	07/10/25 11:36	07/10/25 19:24	109-99-9	
Toluene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	108-88-3	
1,2,3-Trichlorobenzene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	87-61-6	
1,2,4-Trichlorobenzene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	120-82-1	
1,1,1-Trichloroethane	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	71-55-6	
1,1,2-Trichloroethane	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	79-00-5	
Trichloroethene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	79-01-6	
Trichlorofluoromethane	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 19:24	75-69-4	
1,2,3-Trichloropropane	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 19:24	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 19:24	76-13-1	
1,2,4-Trimethylbenzene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	95-63-6	
1,3,5-Trimethylbenzene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	108-67-8	
Vinyl chloride	**<27.3**	ug/kg	27.3	1	07/10/25 11:36	07/10/25 19:24	75-01-4	
Xylene (Total)	**<205**	ug/kg	205	1	07/10/25 11:36	07/10/25 19:24	1330-20-7	
m&p-Xylene	**<137**	ug/kg	137	1	07/10/25 11:36	07/10/25 19:24	179601-23-1	
o-Xylene	**<68.3**	ug/kg	68.3	1	07/10/25 11:36	07/10/25 19:24	95-47-6	
Surrogates								
Toluene-d8 (S)	99	%.	75-125	1	07/10/25 11:36	07/10/25 19:24	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125	1	07/10/25 11:36	07/10/25 19:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125	1	07/10/25 11:36	07/10/25 19:24	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-5D_3-4 **Lab ID: 10740890013** Collected: 06/30/25 15:10 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis							
Gasoline Range Organics	**<14.2**	mg/kg	14.2	1	07/07/25 07:20	07/07/25 16:07		
Surrogates								
a,a,a-Trifluorotoluene (S)	93	%.	80-200	1	07/07/25 07:20	07/07/25 16:07	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**19.1**	%	0.10	1		07/14/25 11:37		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	**<1370**	ug/kg	1370	1	07/10/25 11:36	07/10/25 18:40	67-64-1	
Allyl chloride	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 18:40	107-05-1	
Benzene	**<27.3**	ug/kg	27.3	1	07/10/25 11:36	07/10/25 18:40	71-43-2	
Bromobenzene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	108-86-1	
Bromochloromethane	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	74-97-5	
Bromodichloromethane	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	75-27-4	
Bromoform	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 18:40	75-25-2	
Bromomethane	**<684**	ug/kg	684	1	07/10/25 11:36	07/10/25 18:40	74-83-9	
2-Butanone (MEK)	**<342**	ug/kg	342	1	07/10/25 11:36	07/10/25 18:40	78-93-3	
n-Butylbenzene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	104-51-8	
sec-Butylbenzene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	135-98-8	
tert-Butylbenzene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	98-06-6	
Carbon tetrachloride	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	56-23-5	
Chlorobenzene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	108-90-7	
Chloroethane	**<684**	ug/kg	684	1	07/10/25 11:36	07/10/25 18:40	75-00-3	
Chloroform	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	67-66-3	
Chloromethane	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 18:40	74-87-3	
2-Chlorotoluene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	95-49-8	
4-Chlorotoluene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	106-43-4	
1,2-Dibromo-3-chloropropane	**<684**	ug/kg	684	1	07/10/25 11:36	07/10/25 18:40	96-12-8	
Dibromochloromethane	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 18:40	124-48-1	
1,2-Dibromoethane (EDB)	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	106-93-4	
Dibromomethane	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	74-95-3	
1,2-Dichlorobenzene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	95-50-1	
1,3-Dichlorobenzene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	541-73-1	
1,4-Dichlorobenzene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	106-46-7	
Dichlorodifluoromethane	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 18:40	75-71-8	
1,1-Dichloroethane	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	75-34-3	
1,2-Dichloroethane	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	107-06-2	
1,1-Dichloroethene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	75-35-4	
cis-1,2-Dichloroethene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	156-59-2	
trans-1,2-Dichloroethene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	156-60-5	
Dichlorofluoromethane	**<684**	ug/kg	684	1	07/10/25 11:36	07/10/25 18:40	75-43-4	
1,2-Dichloropropane	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	78-87-5	
1,3-Dichloropropane	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	142-28-9	

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Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
2,2-Dichloropropane	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 18:40	594-20-7	
1,1-Dichloropropene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	563-58-6	
cis-1,3-Dichloropropene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	10061-01-5	
trans-1,3-Dichloropropene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	10061-02-6	
Diethyl ether (Ethyl ether)	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 18:40	60-29-7	
Ethylbenzene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	100-41-4	
Hexachloro-1,3-butadiene	**<342**	ug/kg	342	1	07/10/25 11:36	07/10/25 18:40	87-68-3	
Isopropylbenzene (Cumene)	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	98-82-8	
p-Isopropyltoluene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	99-87-6	
Methylene Chloride	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 18:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<342**	ug/kg	342	1	07/10/25 11:36	07/10/25 18:40	108-10-1	
Methyl-tert-butyl ether	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	1634-04-4	
Naphthalene	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 18:40	91-20-3	
n-Propylbenzene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	103-65-1	
Styrene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	100-42-5	
1,1,1,2-Tetrachloroethane	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	630-20-6	
1,1,2,2-Tetrachloroethane	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	79-34-5	
Tetrachloroethene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	127-18-4	
Tetrahydrofuran	**<2730**	ug/kg	2730	1	07/10/25 11:36	07/10/25 18:40	109-99-9	
Toluene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	108-88-3	
1,2,3-Trichlorobenzene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	87-61-6	
1,2,4-Trichlorobenzene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	120-82-1	
1,1,1-Trichloroethane	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	71-55-6	
1,1,2-Trichloroethane	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	79-00-5	
Trichloroethene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	79-01-6	
Trichlorofluoromethane	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 18:40	75-69-4	
1,2,3-Trichloropropane	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 18:40	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<273**	ug/kg	273	1	07/10/25 11:36	07/10/25 18:40	76-13-1	
1,2,4-Trimethylbenzene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	95-63-6	
1,3,5-Trimethylbenzene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	108-67-8	
Vinyl chloride	**<27.3**	ug/kg	27.3	1	07/10/25 11:36	07/10/25 18:40	75-01-4	
Xylene (Total)	**<205**	ug/kg	205	1	07/10/25 11:36	07/10/25 18:40	1330-20-7	
m&p-Xylene	**<137**	ug/kg	137	1	07/10/25 11:36	07/10/25 18:40	179601-23-1	
o-Xylene	**<68.4**	ug/kg	68.4	1	07/10/25 11:36	07/10/25 18:40	95-47-6	
Surrogates								
Toluene-d8 (S)	99	%.	75-125	1	07/10/25 11:36	07/10/25 18:40	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125	1	07/10/25 11:36	07/10/25 18:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1	07/10/25 11:36	07/10/25 18:40	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-6C_3-4 **Lab ID: 10740890014** Collected: 07/01/25 09:20 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis							
Gasoline Range Organics	**<15.4**	mg/kg	15.4	1	07/07/25 07:20	07/07/25 16:28		
Surrogates								
a,a,a-Trifluorotoluene (S)	93	%.	80-200	1	07/07/25 07:20	07/07/25 16:28	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**20.7**	%	0.10	1		07/14/25 11:37		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	**<1380**	ug/kg	1380	1	07/09/25 14:50	07/09/25 23:59	67-64-1	
Allyl chloride	**<277**	ug/kg	277	1	07/09/25 14:50	07/09/25 23:59	107-05-1	
Benzene	**<27.7**	ug/kg	27.7	1	07/09/25 14:50	07/09/25 23:59	71-43-2	
Bromobenzene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	108-86-1	
Bromochloromethane	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	74-97-5	
Bromodichloromethane	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	75-27-4	
Bromoform	**<277**	ug/kg	277	1	07/09/25 14:50	07/09/25 23:59	75-25-2	
Bromomethane	**<692**	ug/kg	692	1	07/09/25 14:50	07/09/25 23:59	74-83-9	
2-Butanone (MEK)	**<346**	ug/kg	346	1	07/09/25 14:50	07/09/25 23:59	78-93-3	
n-Butylbenzene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	104-51-8	
sec-Butylbenzene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	135-98-8	
tert-Butylbenzene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	98-06-6	
Carbon tetrachloride	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	56-23-5	
Chlorobenzene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	108-90-7	
Chloroethane	**<692**	ug/kg	692	1	07/09/25 14:50	07/09/25 23:59	75-00-3	
Chloroform	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	67-66-3	
Chloromethane	**<277**	ug/kg	277	1	07/09/25 14:50	07/09/25 23:59	74-87-3	
2-Chlorotoluene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	95-49-8	
4-Chlorotoluene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	106-43-4	
1,2-Dibromo-3-chloropropane	**<692**	ug/kg	692	1	07/09/25 14:50	07/09/25 23:59	96-12-8	
Dibromochloromethane	**<277**	ug/kg	277	1	07/09/25 14:50	07/09/25 23:59	124-48-1	
1,2-Dibromoethane (EDB)	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	106-93-4	
Dibromomethane	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	74-95-3	
1,2-Dichlorobenzene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	95-50-1	
1,3-Dichlorobenzene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	541-73-1	
1,4-Dichlorobenzene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	106-46-7	
Dichlorodifluoromethane	**<277**	ug/kg	277	1	07/09/25 14:50	07/09/25 23:59	75-71-8	
1,1-Dichloroethane	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	75-34-3	
1,2-Dichloroethane	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	107-06-2	
1,1-Dichloroethene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	75-35-4	
cis-1,2-Dichloroethene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	156-59-2	
trans-1,2-Dichloroethene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	156-60-5	
Dichlorofluoromethane	**<692**	ug/kg	692	1	07/09/25 14:50	07/09/25 23:59	75-43-4	
1,2-Dichloropropane	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	78-87-5	
1,3-Dichloropropane	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	142-28-9	

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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-6C_3-4 **Lab ID: 10740890014** Collected: 07/01/25 09:20 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
2,2-Dichloropropane	**<277**	ug/kg	277	1	07/09/25 14:50	07/09/25 23:59	594-20-7	
1,1-Dichloropropene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	563-58-6	
cis-1,3-Dichloropropene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	10061-01-5	
trans-1,3-Dichloropropene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	10061-02-6	
Diethyl ether (Ethyl ether)	**<277**	ug/kg	277	1	07/09/25 14:50	07/09/25 23:59	60-29-7	
Ethylbenzene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	100-41-4	
Hexachloro-1,3-butadiene	**<346**	ug/kg	346	1	07/09/25 14:50	07/09/25 23:59	87-68-3	
Isopropylbenzene (Cumene)	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	98-82-8	
p-Isopropyltoluene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	99-87-6	
Methylene Chloride	**<277**	ug/kg	277	1	07/09/25 14:50	07/09/25 23:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<346**	ug/kg	346	1	07/09/25 14:50	07/09/25 23:59	108-10-1	
Methyl-tert-butyl ether	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	1634-04-4	
Naphthalene	**<277**	ug/kg	277	1	07/09/25 14:50	07/09/25 23:59	91-20-3	
n-Propylbenzene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	103-65-1	
Styrene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	100-42-5	
1,1,1,2-Tetrachloroethane	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	630-20-6	
1,1,2,2-Tetrachloroethane	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	79-34-5	
Tetrachloroethene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	127-18-4	
Tetrahydrofuran	**<2770**	ug/kg	2770	1	07/09/25 14:50	07/09/25 23:59	109-99-9	
Toluene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	108-88-3	
1,2,3-Trichlorobenzene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	87-61-6	
1,2,4-Trichlorobenzene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	120-82-1	
1,1,1-Trichloroethane	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	71-55-6	
1,1,2-Trichloroethane	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	79-00-5	
Trichloroethene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	79-01-6	
Trichlorofluoromethane	**<277**	ug/kg	277	1	07/09/25 14:50	07/09/25 23:59	75-69-4	
1,2,3-Trichloropropane	**<277**	ug/kg	277	1	07/09/25 14:50	07/09/25 23:59	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<277**	ug/kg	277	1	07/09/25 14:50	07/09/25 23:59	76-13-1	
1,2,4-Trimethylbenzene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	95-63-6	
1,3,5-Trimethylbenzene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	108-67-8	
Vinyl chloride	**<27.7**	ug/kg	27.7	1	07/09/25 14:50	07/09/25 23:59	75-01-4	
Xylene (Total)	**<208**	ug/kg	208	1	07/09/25 14:50	07/09/25 23:59	1330-20-7	
m&p-Xylene	**<138**	ug/kg	138	1	07/09/25 14:50	07/09/25 23:59	179601-23-1	
o-Xylene	**<69.2**	ug/kg	69.2	1	07/09/25 14:50	07/09/25 23:59	95-47-6	
Surrogates								
Toluene-d8 (S)	109	%.	75-125	1	07/09/25 14:50	07/09/25 23:59	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125	1	07/09/25 14:50	07/09/25 23:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%.	75-125	1	07/09/25 14:50	07/09/25 23:59	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-7B_2-3 **Lab ID: 10740890015** Collected: 07/01/25 10:00 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis							
Gasoline Range Organics	**<14.4**	mg/kg	14.4	1	07/07/25 07:20	07/07/25 16:50		
Surrogates								
a,a,a-Trifluorotoluene (S)	92	%.	80-200	1	07/07/25 07:20	07/07/25 16:50	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**16.4**	%	0.10	1		07/14/25 11:37		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	**<1210**	ug/kg	1210	1	07/09/25 14:50	07/10/25 00:13	67-64-1	
Allyl chloride	**<242**	ug/kg	242	1	07/09/25 14:50	07/10/25 00:13	107-05-1	
Benzene	**<24.2**	ug/kg	24.2	1	07/09/25 14:50	07/10/25 00:13	71-43-2	
Bromobenzene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	108-86-1	
Bromochloromethane	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	74-97-5	
Bromodichloromethane	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	75-27-4	
Bromoform	**<242**	ug/kg	242	1	07/09/25 14:50	07/10/25 00:13	75-25-2	
Bromomethane	**<605**	ug/kg	605	1	07/09/25 14:50	07/10/25 00:13	74-83-9	
2-Butanone (MEK)	**<303**	ug/kg	303	1	07/09/25 14:50	07/10/25 00:13	78-93-3	
n-Butylbenzene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	104-51-8	
sec-Butylbenzene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	135-98-8	
tert-Butylbenzene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	98-06-6	
Carbon tetrachloride	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	56-23-5	
Chlorobenzene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	108-90-7	
Chloroethane	**<605**	ug/kg	605	1	07/09/25 14:50	07/10/25 00:13	75-00-3	
Chloroform	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	67-66-3	
Chloromethane	**<242**	ug/kg	242	1	07/09/25 14:50	07/10/25 00:13	74-87-3	
2-Chlorotoluene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	95-49-8	
4-Chlorotoluene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	106-43-4	
1,2-Dibromo-3-chloropropane	**<605**	ug/kg	605	1	07/09/25 14:50	07/10/25 00:13	96-12-8	
Dibromochloromethane	**<242**	ug/kg	242	1	07/09/25 14:50	07/10/25 00:13	124-48-1	
1,2-Dibromoethane (EDB)	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	106-93-4	
Dibromomethane	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	74-95-3	
1,2-Dichlorobenzene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	95-50-1	
1,3-Dichlorobenzene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	541-73-1	
1,4-Dichlorobenzene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	106-46-7	
Dichlorodifluoromethane	**<242**	ug/kg	242	1	07/09/25 14:50	07/10/25 00:13	75-71-8	
1,1-Dichloroethane	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	75-34-3	
1,2-Dichloroethane	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	107-06-2	
1,1-Dichloroethene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	75-35-4	
cis-1,2-Dichloroethene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	156-59-2	
trans-1,2-Dichloroethene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	156-60-5	
Dichlorofluoromethane	**<605**	ug/kg	605	1	07/09/25 14:50	07/10/25 00:13	75-43-4	
1,2-Dichloropropane	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	78-87-5	
1,3-Dichloropropane	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	142-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-7B_2-3 **Lab ID: 10740890015** Collected: 07/01/25 10:00 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
2,2-Dichloropropane	**<242**	ug/kg	242	1	07/09/25 14:50	07/10/25 00:13	594-20-7	
1,1-Dichloropropene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	563-58-6	
cis-1,3-Dichloropropene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	10061-01-5	
trans-1,3-Dichloropropene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	10061-02-6	
Diethyl ether (Ethyl ether)	**<242**	ug/kg	242	1	07/09/25 14:50	07/10/25 00:13	60-29-7	
Ethylbenzene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	100-41-4	
Hexachloro-1,3-butadiene	**<303**	ug/kg	303	1	07/09/25 14:50	07/10/25 00:13	87-68-3	
Isopropylbenzene (Cumene)	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	98-82-8	
p-Isopropyltoluene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	99-87-6	
Methylene Chloride	**<242**	ug/kg	242	1	07/09/25 14:50	07/10/25 00:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<303**	ug/kg	303	1	07/09/25 14:50	07/10/25 00:13	108-10-1	
Methyl-tert-butyl ether	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	1634-04-4	
Naphthalene	**<242**	ug/kg	242	1	07/09/25 14:50	07/10/25 00:13	91-20-3	
n-Propylbenzene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	103-65-1	
Styrene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	100-42-5	
1,1,1,2-Tetrachloroethane	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	630-20-6	
1,1,2,2-Tetrachloroethane	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	79-34-5	
Tetrachloroethene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	127-18-4	
Tetrahydrofuran	**<2420**	ug/kg	2420	1	07/09/25 14:50	07/10/25 00:13	109-99-9	
Toluene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	108-88-3	
1,2,3-Trichlorobenzene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	87-61-6	
1,2,4-Trichlorobenzene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	120-82-1	
1,1,1-Trichloroethane	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	71-55-6	
1,1,2-Trichloroethane	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	79-00-5	
Trichloroethene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	79-01-6	
Trichlorofluoromethane	**<242**	ug/kg	242	1	07/09/25 14:50	07/10/25 00:13	75-69-4	
1,2,3-Trichloropropane	**<242**	ug/kg	242	1	07/09/25 14:50	07/10/25 00:13	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<242**	ug/kg	242	1	07/09/25 14:50	07/10/25 00:13	76-13-1	
1,2,4-Trimethylbenzene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	95-63-6	
1,3,5-Trimethylbenzene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	108-67-8	
Vinyl chloride	**<24.2**	ug/kg	24.2	1	07/09/25 14:50	07/10/25 00:13	75-01-4	
Xylene (Total)	**<182**	ug/kg	182	1	07/09/25 14:50	07/10/25 00:13	1330-20-7	
m&p-Xylene	**<121**	ug/kg	121	1	07/09/25 14:50	07/10/25 00:13	179601-23-1	
o-Xylene	**<60.5**	ug/kg	60.5	1	07/09/25 14:50	07/10/25 00:13	95-47-6	
Surrogates								
Toluene-d8 (S)	112	%.	75-125	1	07/09/25 14:50	07/10/25 00:13	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	75-125	1	07/09/25 14:50	07/10/25 00:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1	07/09/25 14:50	07/10/25 00:13	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-8D_3-4 **Lab ID: 10740890016** Collected: 07/01/25 11:45 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis							
Gasoline Range Organics	**<14.1**	mg/kg	14.1	1	07/07/25 07:20	07/07/25 17:11		
Surrogates								
a,a,a-Trifluorotoluene (S)	94	%.	80-200	1	07/07/25 07:20	07/07/25 17:11	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**18.4**	%	0.10	1		07/14/25 11:38		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	**<1230**	ug/kg	1230	1	07/09/25 14:50	07/10/25 00:28	67-64-1	
Allyl chloride	**<246**	ug/kg	246	1	07/09/25 14:50	07/10/25 00:28	107-05-1	
Benzene	**<24.6**	ug/kg	24.6	1	07/09/25 14:50	07/10/25 00:28	71-43-2	
Bromobenzene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	108-86-1	
Bromochloromethane	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	74-97-5	
Bromodichloromethane	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	75-27-4	
Bromoform	**<246**	ug/kg	246	1	07/09/25 14:50	07/10/25 00:28	75-25-2	
Bromomethane	**<616**	ug/kg	616	1	07/09/25 14:50	07/10/25 00:28	74-83-9	
2-Butanone (MEK)	**<308**	ug/kg	308	1	07/09/25 14:50	07/10/25 00:28	78-93-3	
n-Butylbenzene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	104-51-8	
sec-Butylbenzene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	135-98-8	
tert-Butylbenzene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	98-06-6	
Carbon tetrachloride	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	56-23-5	
Chlorobenzene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	108-90-7	
Chloroethane	**<616**	ug/kg	616	1	07/09/25 14:50	07/10/25 00:28	75-00-3	
Chloroform	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	67-66-3	
Chloromethane	**<246**	ug/kg	246	1	07/09/25 14:50	07/10/25 00:28	74-87-3	
2-Chlorotoluene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	95-49-8	
4-Chlorotoluene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	106-43-4	
1,2-Dibromo-3-chloropropane	**<616**	ug/kg	616	1	07/09/25 14:50	07/10/25 00:28	96-12-8	
Dibromochloromethane	**<246**	ug/kg	246	1	07/09/25 14:50	07/10/25 00:28	124-48-1	
1,2-Dibromoethane (EDB)	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	106-93-4	
Dibromomethane	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	74-95-3	
1,2-Dichlorobenzene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	95-50-1	
1,3-Dichlorobenzene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	541-73-1	
1,4-Dichlorobenzene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	106-46-7	
Dichlorodifluoromethane	**<246**	ug/kg	246	1	07/09/25 14:50	07/10/25 00:28	75-71-8	
1,1-Dichloroethane	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	75-34-3	
1,2-Dichloroethane	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	107-06-2	
1,1-Dichloroethene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	75-35-4	
cis-1,2-Dichloroethene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	156-59-2	
trans-1,2-Dichloroethene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	156-60-5	
Dichlorofluoromethane	**<616**	ug/kg	616	1	07/09/25 14:50	07/10/25 00:28	75-43-4	
1,2-Dichloropropane	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	78-87-5	
1,3-Dichloropropane	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	142-28-9	

Pace Analytical Services, LLC
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(612)607-1700

ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: 2025-GS-8D_3-4 **Lab ID: 10740890016** Collected: 07/01/25 11:45 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
2,2-Dichloropropane	**<246**	ug/kg	246	1	07/09/25 14:50	07/10/25 00:28	594-20-7	
1,1-Dichloropropene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	563-58-6	
cis-1,3-Dichloropropene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	10061-01-5	
trans-1,3-Dichloropropene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	10061-02-6	
Diethyl ether (Ethyl ether)	**<246**	ug/kg	246	1	07/09/25 14:50	07/10/25 00:28	60-29-7	
Ethylbenzene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	100-41-4	
Hexachloro-1,3-butadiene	**<308**	ug/kg	308	1	07/09/25 14:50	07/10/25 00:28	87-68-3	
Isopropylbenzene (Cumene)	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	98-82-8	
p-Isopropyltoluene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	99-87-6	
Methylene Chloride	**<246**	ug/kg	246	1	07/09/25 14:50	07/10/25 00:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<308**	ug/kg	308	1	07/09/25 14:50	07/10/25 00:28	108-10-1	
Methyl-tert-butyl ether	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	1634-04-4	
Naphthalene	**<246**	ug/kg	246	1	07/09/25 14:50	07/10/25 00:28	91-20-3	
n-Propylbenzene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	103-65-1	
Styrene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	100-42-5	
1,1,1,2-Tetrachloroethane	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	630-20-6	
1,1,2,2-Tetrachloroethane	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	79-34-5	
Tetrachloroethene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	127-18-4	
Tetrahydrofuran	**<2460**	ug/kg	2460	1	07/09/25 14:50	07/10/25 00:28	109-99-9	
Toluene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	108-88-3	
1,2,3-Trichlorobenzene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	87-61-6	
1,2,4-Trichlorobenzene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	120-82-1	
1,1,1-Trichloroethane	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	71-55-6	
1,1,2-Trichloroethane	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	79-00-5	
Trichloroethene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	79-01-6	
Trichlorofluoromethane	**<246**	ug/kg	246	1	07/09/25 14:50	07/10/25 00:28	75-69-4	
1,2,3-Trichloropropane	**<246**	ug/kg	246	1	07/09/25 14:50	07/10/25 00:28	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<246**	ug/kg	246	1	07/09/25 14:50	07/10/25 00:28	76-13-1	
1,2,4-Trimethylbenzene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	95-63-6	
1,3,5-Trimethylbenzene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	108-67-8	
Vinyl chloride	**<24.6**	ug/kg	24.6	1	07/09/25 14:50	07/10/25 00:28	75-01-4	
Xylene (Total)	**<185**	ug/kg	185	1	07/09/25 14:50	07/10/25 00:28	1330-20-7	
m&p-Xylene	**<123**	ug/kg	123	1	07/09/25 14:50	07/10/25 00:28	179601-23-1	
o-Xylene	**<61.6**	ug/kg	61.6	1	07/09/25 14:50	07/10/25 00:28	95-47-6	
Surrogates								
Toluene-d8 (S)	112	%.	75-125	1	07/09/25 14:50	07/10/25 00:28	2037-26-5	
4-Bromofluorobenzene (S)	111	%.	75-125	1	07/09/25 14:50	07/10/25 00:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1	07/09/25 14:50	07/10/25 00:28	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: TB-1 **Lab ID: 10740890017** Collected: 06/30/25 00:00 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis							
Gasoline Range Organics	**<10.0**	mg/kg	10.0	1	07/07/25 07:20	07/07/25 17:32		
Surrogates								
a,a,a-Trifluorotoluene (S)	93	%.	80-200	1	07/07/25 07:20	07/07/25 17:32	98-08-8	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	**<1000**	ug/kg	1000	1	07/10/25 11:36	07/10/25 15:28	67-64-1	
Allyl chloride	**<200**	ug/kg	200	1	07/10/25 11:36	07/10/25 15:28	107-05-1	
Benzene	**<20.0**	ug/kg	20.0	1	07/10/25 11:36	07/10/25 15:28	71-43-2	
Bromobenzene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	108-86-1	
Bromochloromethane	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	74-97-5	
Bromodichloromethane	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	75-27-4	
Bromoform	**<200**	ug/kg	200	1	07/10/25 11:36	07/10/25 15:28	75-25-2	
Bromomethane	**<500**	ug/kg	500	1	07/10/25 11:36	07/10/25 15:28	74-83-9	
2-Butanone (MEK)	**<250**	ug/kg	250	1	07/10/25 11:36	07/10/25 15:28	78-93-3	
n-Butylbenzene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	104-51-8	
sec-Butylbenzene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	135-98-8	
tert-Butylbenzene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	98-06-6	
Carbon tetrachloride	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	56-23-5	
Chlorobenzene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	108-90-7	
Chloroethane	**<500**	ug/kg	500	1	07/10/25 11:36	07/10/25 15:28	75-00-3	
Chloroform	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	67-66-3	
Chloromethane	**<200**	ug/kg	200	1	07/10/25 11:36	07/10/25 15:28	74-87-3	
2-Chlorotoluene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	95-49-8	
4-Chlorotoluene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	106-43-4	
1,2-Dibromo-3-chloropropane	**<500**	ug/kg	500	1	07/10/25 11:36	07/10/25 15:28	96-12-8	
Dibromochloromethane	**<200**	ug/kg	200	1	07/10/25 11:36	07/10/25 15:28	124-48-1	
1,2-Dibromoethane (EDB)	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	106-93-4	
Dibromomethane	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	74-95-3	
1,2-Dichlorobenzene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	95-50-1	
1,3-Dichlorobenzene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	541-73-1	
1,4-Dichlorobenzene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	106-46-7	
Dichlorodifluoromethane	**<200**	ug/kg	200	1	07/10/25 11:36	07/10/25 15:28	75-71-8	
1,1-Dichloroethane	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	75-34-3	
1,2-Dichloroethane	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	107-06-2	
1,1-Dichloroethene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	75-35-4	
cis-1,2-Dichloroethene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	156-59-2	
trans-1,2-Dichloroethene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	156-60-5	
Dichlorofluoromethane	**<500**	ug/kg	500	1	07/10/25 11:36	07/10/25 15:28	75-43-4	
1,2-Dichloropropane	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	78-87-5	
1,3-Dichloropropane	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	142-28-9	
2,2-Dichloropropane	**<200**	ug/kg	200	1	07/10/25 11:36	07/10/25 15:28	594-20-7	
1,1-Dichloropropene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	563-58-6	
cis-1,3-Dichloropropene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	10061-01-5	
trans-1,3-Dichloropropene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	10061-02-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Sample: TB-1 **Lab ID: 10740890017** Collected: 06/30/25 00:00 Received: 07/01/25 14:02 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Diethyl ether (Ethyl ether)	**<200**	ug/kg	200	1	07/10/25 11:36	07/10/25 15:28	60-29-7	
Ethylbenzene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	100-41-4	
Hexachloro-1,3-butadiene	**<250**	ug/kg	250	1	07/10/25 11:36	07/10/25 15:28	87-68-3	
Isopropylbenzene (Cumene)	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	98-82-8	
p-Isopropyltoluene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	99-87-6	
Methylene Chloride	**<200**	ug/kg	200	1	07/10/25 11:36	07/10/25 15:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<250**	ug/kg	250	1	07/10/25 11:36	07/10/25 15:28	108-10-1	
Methyl-tert-butyl ether	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	1634-04-4	
Naphthalene	**<200**	ug/kg	200	1	07/10/25 11:36	07/10/25 15:28	91-20-3	
n-Propylbenzene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	103-65-1	
Styrene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	100-42-5	
1,1,1,2-Tetrachloroethane	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	630-20-6	
1,1,2,2-Tetrachloroethane	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	79-34-5	
Tetrachloroethene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	127-18-4	
Tetrahydrofuran	**<2000**	ug/kg	2000	1	07/10/25 11:36	07/10/25 15:28	109-99-9	
Toluene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	108-88-3	
1,2,3-Trichlorobenzene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	87-61-6	
1,2,4-Trichlorobenzene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	120-82-1	
1,1,1-Trichloroethane	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	71-55-6	
1,1,2-Trichloroethane	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	79-00-5	
Trichloroethene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	79-01-6	
Trichlorofluoromethane	**<200**	ug/kg	200	1	07/10/25 11:36	07/10/25 15:28	75-69-4	
1,2,3-Trichloropropane	**<200**	ug/kg	200	1	07/10/25 11:36	07/10/25 15:28	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<200**	ug/kg	200	1	07/10/25 11:36	07/10/25 15:28	76-13-1	
1,2,4-Trimethylbenzene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	95-63-6	
1,3,5-Trimethylbenzene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	108-67-8	
Vinyl chloride	**<20.0**	ug/kg	20.0	1	07/10/25 11:36	07/10/25 15:28	75-01-4	
Xylene (Total)	**<150**	ug/kg	150	1	07/10/25 11:36	07/10/25 15:28	1330-20-7	
m&p-Xylene	**<100**	ug/kg	100	1	07/10/25 11:36	07/10/25 15:28	179601-23-1	
o-Xylene	**<50.0**	ug/kg	50.0	1	07/10/25 11:36	07/10/25 15:28	95-47-6	
Surrogates								
Toluene-d8 (S)	106	%.	75-125	1	07/10/25 11:36	07/10/25 15:28	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	75-125	1	07/10/25 11:36	07/10/25 15:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%.	75-125	1	07/10/25 11:36	07/10/25 15:28	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

QC Batch: 1016868
QC Batch Method: EPA 5030 Medium Soil
Analysis Method: WI MOD GRO
Analysis Description: WIGRO Solid GCV
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10740890009, 10740890010, 10740890011, 10740890012, 10740890013, 10740890014, 10740890015, 10740890016, 10740890017

METHOD BLANK: 5301279 Matrix: Solid
Associated Lab Samples: 10740890009, 10740890010, 10740890011, 10740890012, 10740890013, 10740890014, 10740890015, 10740890016, 10740890017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	<10.0	10.0	07/07/25 12:54	
a,a,a-Trifluorotoluene (S)	%.	98	80-200	07/07/25 12:54	

LABORATORY CONTROL SAMPLE & LCSD: 5301280 5301281

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	50	53.1	52.2	106	104	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%.				100	99	80-200			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

QC Batch: 1016883
QC Batch Method: EPA 7471B
Analysis Method: EPA 7471B
Analysis Description: 7471B Mercury Solids
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10740890001, 10740890002, 10740890003, 10740890004, 10740890005, 10740890006, 10740890007, 10740890008

METHOD BLANK: 5301322 Matrix: Solid
Associated Lab Samples: 10740890001, 10740890002, 10740890003, 10740890004, 10740890005, 10740890006, 10740890007, 10740890008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.020	0.020	07/08/25 13:57	

LABORATORY CONTROL SAMPLE: 5301323

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.48	0.48	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5301324 5301325

Parameter	Units	10741274001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	0.51	0.51	0.51	0.51	98	99	80-120	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
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QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

QC Batch: 1016880
QC Batch Method: EPA 3050B
Analysis Method: EPA 6010D
Analysis Description: 6010D Solids
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10740890001, 10740890002, 10740890003, 10740890004, 10740890005, 10740890006, 10740890007, 10740890008

METHOD BLANK: 5301314 Matrix: Solid
Associated Lab Samples: 10740890001, 10740890002, 10740890003, 10740890004, 10740890005, 10740890006, 10740890007, 10740890008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/kg	<0.92	0.92	07/08/25 12:32	
Arsenic	mg/kg	<0.92	0.92	07/08/25 12:32	
Beryllium	mg/kg	<0.23	0.23	07/08/25 12:32	
Cadmium	mg/kg	<0.14	0.14	07/08/25 12:32	
Chromium	mg/kg	<0.46	0.46	07/08/25 12:32	
Copper	mg/kg	<0.46	0.46	07/08/25 12:32	
Lead	mg/kg	<0.46	0.46	07/08/25 12:32	
Nickel	mg/kg	<0.92	0.92	07/08/25 12:32	
Selenium	mg/kg	<0.92	0.92	07/08/25 12:32	
Silver	mg/kg	<0.46	0.46	07/08/25 12:32	
Thallium	mg/kg	<0.92	0.92	07/08/25 12:32	
Zinc	mg/kg	<1.8	1.8	07/08/25 12:32	

LABORATORY CONTROL SAMPLE: 5301315

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	48	47.4	99	80-120	
Arsenic	mg/kg	48	47.0	98	80-120	
Beryllium	mg/kg	48	47.8	100	80-120	
Cadmium	mg/kg	48	48.7	101	80-120	
Chromium	mg/kg	48	48.8	102	80-120	
Copper	mg/kg	48	49.9	104	80-120	
Lead	mg/kg	48	48.3	101	80-120	
Nickel	mg/kg	48	48.5	101	80-120	
Selenium	mg/kg	48	43.9	91	80-120	
Silver	mg/kg	24	22.9	95	80-120	
Thallium	mg/kg	48	49.2	102	80-120	
Zinc	mg/kg	48	48.4	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5301316 5301317

Parameter	Units	10741274001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/kg	ND	51.2	52.3	27.5	28.8	53	55	75-125	5	20	M1
Arsenic	mg/kg	ND	51.2	52.3	42.3	44.4	81	83	75-125	5	20	
Beryllium	mg/kg	ND	51.2	52.3	42.1	44.1	82	84	75-125	5	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(612)607-1700

QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5301316 5301317

Parameter	Units	10741274001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium	mg/kg	ND	51.2	52.3	42.6	44.4	83	85	75-125	4	20	
Chromium	mg/kg	5.4	51.2	52.3	49.3	51.5	86	88	75-125	4	20	
Copper	mg/kg	4.2	51.2	52.3	51.6	53.9	93	95	75-125	4	20	
Lead	mg/kg	5.1	51.2	52.3	47.5	49.6	83	85	75-125	4	20	
Nickel	mg/kg	3.6	51.2	52.3	46.2	48.0	83	85	75-125	4	20	
Selenium	mg/kg	ND	51.2	52.3	38.7	41.1	76	79	75-125	6	20	
Silver	mg/kg	ND	25.6	26.1	21.1	22.1	83	84	75-125	4	20	
Thallium	mg/kg	ND	51.2	52.3	44.0	45.6	86	87	75-125	4	20	
Zinc	mg/kg	16.9	51.2	52.3	59.7	61.0	84	84	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

QC Batch: 1016869
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight / %M by ASTM D2974
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10740890001, 10740890002, 10740890003, 10740890004, 10740890005, 10740890006, 10740890007, 10740890008

SAMPLE DUPLICATE: 5301283

Parameter	Units	10740890008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.4	17.8	4	30	N2

SAMPLE DUPLICATE: 5301509

Parameter	Units	10741268014 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.2	20.8	7	30	N2

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(612)607-1700

QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

QC Batch: 1018079
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight / %M by ASTM D2974
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10740890009, 10740890010, 10740890011, 10740890012, 10740890013, 10740890014, 10740890015, 10740890016

SAMPLE DUPLICATE: 5307606

Parameter	Units	10740890016 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.4	17.6	4	30	N2

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

QC Batch: 1017509
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV 5030 Med Level
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10740890014, 10740890015, 10740890016

METHOD BLANK: 5303998 Matrix: Solid
Associated Lab Samples: 10740890014, 10740890015, 10740890016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<50.0	50.0	07/09/25 22:17	
1,1,1-Trichloroethane	ug/kg	<50.0	50.0	07/09/25 22:17	
1,1,2,2-Tetrachloroethane	ug/kg	<50.0	50.0	07/09/25 22:17	
1,1,2-Trichloroethane	ug/kg	<50.0	50.0	07/09/25 22:17	
1,1,2-Trichlorotrifluoroethane	ug/kg	<200	200	07/09/25 22:17	
1,1-Dichloroethane	ug/kg	<50.0	50.0	07/09/25 22:17	
1,1-Dichloroethene	ug/kg	<50.0	50.0	07/09/25 22:17	
1,1-Dichloropropene	ug/kg	<50.0	50.0	07/09/25 22:17	
1,2,3-Trichlorobenzene	ug/kg	<50.0	50.0	07/09/25 22:17	
1,2,3-Trichloropropane	ug/kg	<200	200	07/09/25 22:17	
1,2,4-Trichlorobenzene	ug/kg	<50.0	50.0	07/09/25 22:17	
1,2,4-Trimethylbenzene	ug/kg	<50.0	50.0	07/09/25 22:17	
1,2-Dibromo-3-chloropropane	ug/kg	<500	500	07/09/25 22:17	
1,2-Dibromoethane (EDB)	ug/kg	<50.0	50.0	07/09/25 22:17	
1,2-Dichlorobenzene	ug/kg	<50.0	50.0	07/09/25 22:17	
1,2-Dichloroethane	ug/kg	<50.0	50.0	07/09/25 22:17	
1,2-Dichloropropane	ug/kg	<50.0	50.0	07/09/25 22:17	
1,3,5-Trimethylbenzene	ug/kg	<50.0	50.0	07/09/25 22:17	
1,3-Dichlorobenzene	ug/kg	<50.0	50.0	07/09/25 22:17	
1,3-Dichloropropane	ug/kg	<50.0	50.0	07/09/25 22:17	
1,4-Dichlorobenzene	ug/kg	<50.0	50.0	07/09/25 22:17	
2,2-Dichloropropane	ug/kg	<200	200	07/09/25 22:17	
2-Butanone (MEK)	ug/kg	<250	250	07/09/25 22:17	
2-Chlorotoluene	ug/kg	<50.0	50.0	07/09/25 22:17	
4-Chlorotoluene	ug/kg	<50.0	50.0	07/09/25 22:17	
4-Methyl-2-pentanone (MIBK)	ug/kg	<250	250	07/09/25 22:17	
Acetone	ug/kg	<1000	1000	07/09/25 22:17	
Allyl chloride	ug/kg	<200	200	07/09/25 22:17	
Benzene	ug/kg	<20.0	20.0	07/09/25 22:17	
Bromobenzene	ug/kg	<50.0	50.0	07/09/25 22:17	
Bromochloromethane	ug/kg	<50.0	50.0	07/09/25 22:17	
Bromodichloromethane	ug/kg	<50.0	50.0	07/09/25 22:17	
Bromoform	ug/kg	<200	200	07/09/25 22:17	
Bromomethane	ug/kg	<500	500	07/09/25 22:17	
Carbon tetrachloride	ug/kg	<50.0	50.0	07/09/25 22:17	
Chlorobenzene	ug/kg	<50.0	50.0	07/09/25 22:17	
Chloroethane	ug/kg	<500	500	07/09/25 22:17	
Chloroform	ug/kg	<50.0	50.0	07/09/25 22:17	
Chloromethane	ug/kg	<200	200	07/09/25 22:17	
cis-1,2-Dichloroethene	ug/kg	<50.0	50.0	07/09/25 22:17	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

METHOD BLANK: 5303998 Matrix: Solid
Associated Lab Samples: 10740890014, 10740890015, 10740890016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	<50.0	50.0	07/09/25 22:17	
Dibromochloromethane	ug/kg	<200	200	07/09/25 22:17	
Dibromomethane	ug/kg	<50.0	50.0	07/09/25 22:17	
Dichlorodifluoromethane	ug/kg	<200	200	07/09/25 22:17	
Dichlorofluoromethane	ug/kg	<500	500	07/09/25 22:17	
Diethyl ether (Ethyl ether)	ug/kg	<200	200	07/09/25 22:17	
Ethylbenzene	ug/kg	<50.0	50.0	07/09/25 22:17	
Hexachloro-1,3-butadiene	ug/kg	<250	250	07/09/25 22:17	
Isopropylbenzene (Cumene)	ug/kg	<50.0	50.0	07/09/25 22:17	
m&p-Xylene	ug/kg	<100	100	07/09/25 22:17	
Methyl-tert-butyl ether	ug/kg	<50.0	50.0	07/09/25 22:17	
Methylene Chloride	ug/kg	<200	200	07/09/25 22:17	
n-Butylbenzene	ug/kg	<50.0	50.0	07/09/25 22:17	
n-Propylbenzene	ug/kg	<50.0	50.0	07/09/25 22:17	
Naphthalene	ug/kg	<200	200	07/09/25 22:17	
o-Xylene	ug/kg	<50.0	50.0	07/09/25 22:17	
p-Isopropyltoluene	ug/kg	<50.0	50.0	07/09/25 22:17	
sec-Butylbenzene	ug/kg	<50.0	50.0	07/09/25 22:17	
Styrene	ug/kg	<50.0	50.0	07/09/25 22:17	
tert-Butylbenzene	ug/kg	<50.0	50.0	07/09/25 22:17	
Tetrachloroethene	ug/kg	<50.0	50.0	07/09/25 22:17	
Tetrahydrofuran	ug/kg	<2000	2000	07/09/25 22:17	
Toluene	ug/kg	<50.0	50.0	07/09/25 22:17	
trans-1,2-Dichloroethene	ug/kg	<50.0	50.0	07/09/25 22:17	
trans-1,3-Dichloropropene	ug/kg	<50.0	50.0	07/09/25 22:17	
Trichloroethene	ug/kg	<50.0	50.0	07/09/25 22:17	
Trichlorofluoromethane	ug/kg	<200	200	07/09/25 22:17	
Vinyl chloride	ug/kg	<20.0	20.0	07/09/25 22:17	
Xylene (Total)	ug/kg	<150	150	07/09/25 22:17	
1,2-Dichlorobenzene-d4 (S)	%.	102	75-125	07/09/25 22:17	
4-Bromofluorobenzene (S)	%.	106	75-125	07/09/25 22:17	
Toluene-d8 (S)	%.	111	75-125	07/09/25 22:17	

LABORATORY CONTROL SAMPLE & LCSD: 5303999 5304000

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1000	952	932	95	93	73-127	2	20	
1,1,1-Trichloroethane	ug/kg	1000	1110	1040	111	104	73-125	6	20	
1,1,2,2-Tetrachloroethane	ug/kg	1000	962	928	96	93	66-126	4	20	
1,1,2-Trichloroethane	ug/kg	1000	1020	997	102	100	75-125	2	20	
1,1,2-Trichlorotrifluoroethane	ug/kg	1000	922	866	92	87	67-139	6	20	
1,1-Dichloroethane	ug/kg	1000	1030	1020	103	102	75-125	1	20	
1,1-Dichloroethene	ug/kg	1000	1020	961	102	96	75-127	6	20	
1,1-Dichloropropene	ug/kg	1000	1020	1020	102	102	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
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QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

LABORATORY CONTROL SAMPLE & LCSD: 5303999 5304000

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,3-Trichlorobenzene	ug/kg	1000	915	936	92	94	70-125	2	20	
1,2,3-Trichloropropane	ug/kg	1000	1050	1060	105	106	75-125	1	20	
1,2,4-Trichlorobenzene	ug/kg	1000	990	1010	99	101	75-125	2	20	
1,2,4-Trimethylbenzene	ug/kg	1000	952	926	95	93	75-125	3	20	
1,2-Dibromo-3-chloropropane	ug/kg	1000	878	915	88	91	72-125	4	20	
1,2-Dibromoethane (EDB)	ug/kg	1000	973	1010	97	101	75-125	4	20	
1,2-Dichlorobenzene	ug/kg	1000	955	960	96	96	75-125	1	20	
1,2-Dichloroethane	ug/kg	1000	1060	1130	106	113	75-125	6	20	
1,2-Dichloropropane	ug/kg	1000	1090	1100	109	110	75-125	1	20	
1,3,5-Trimethylbenzene	ug/kg	1000	905	892	90	89	75-125	1	20	
1,3-Dichlorobenzene	ug/kg	1000	977	983	98	98	75-125	1	20	
1,3-Dichloropropane	ug/kg	1000	978	1020	98	102	75-125	4	20	
1,4-Dichlorobenzene	ug/kg	1000	1010	959	101	96	75-125	6	20	
2,2-Dichloropropane	ug/kg	1000	911	838	91	84	56-128	8	20	
2-Butanone (MEK)	ug/kg	5000	6150	5960	123	119	70-129	3	20	
2-Chlorotoluene	ug/kg	1000	1010	939	101	94	75-125	7	20	
4-Chlorotoluene	ug/kg	1000	923	966	92	97	75-125	5	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	5000	4640	4900	93	98	75-127	5	20	
Acetone	ug/kg	5000	4850	5090	97	102	68-130	5	20	
Allyl chloride	ug/kg	1000	1020	1010	102	101	69-125	1	20	
Benzene	ug/kg	1000	1030	990	103	99	75-125	4	20	
Bromobenzene	ug/kg	1000	983	950	98	95	75-125	3	20	
Bromochloromethane	ug/kg	1000	1120	1150	112	115	75-125	2	20	
Bromodichloromethane	ug/kg	1000	1010	995	101	100	72-125	1	20	
Bromoform	ug/kg	1000	883	911	88	91	64-125	3	20	
Bromomethane	ug/kg	1000	997	937	100	94	32-150	6	20	
Carbon tetrachloride	ug/kg	1000	1070	996	107	100	72-126	7	20	
Chlorobenzene	ug/kg	1000	994	971	99	97	75-125	2	20	
Chloroethane	ug/kg	1000	949	930	95	93	49-150	2	20	
Chloroform	ug/kg	1000	1030	1010	103	101	75-125	2	20	
Chloromethane	ug/kg	1000	983	954	98	95	64-133	3	20	
cis-1,2-Dichloroethene	ug/kg	1000	1040	1030	104	103	75-125	1	20	
cis-1,3-Dichloropropene	ug/kg	1000	1000	1000	100	100	68-134	0	20	
Dibromochloromethane	ug/kg	1000	945	911	95	91	72-126	4	20	
Dibromomethane	ug/kg	1000	992	1040	99	104	75-128	4	20	
Dichlorodifluoromethane	ug/kg	1000	793	731	79	73	65-144	8	20	
Dichlorofluoromethane	ug/kg	1000	1040	1000	104	100	60-145	4	20	
Diethyl ether (Ethyl ether)	ug/kg	1000	1040	1040	104	104	75-125	0	20	
Ethylbenzene	ug/kg	1000	946	943	95	94	75-125	0	20	
Hexachloro-1,3-butadiene	ug/kg	1000	859	950	86	95	67-126	10	20	
Isopropylbenzene (Cumene)	ug/kg	1000	992	1000	99	100	75-125	1	20	
m&p-Xylene	ug/kg	2000	1920	1880	96	94	75-125	2	20	
Methyl-tert-butyl ether	ug/kg	1000	1090	1070	109	107	75-125	2	20	
Methylene Chloride	ug/kg	1000	1020	986	102	99	74-125	3	20	
n-Butylbenzene	ug/kg	1000	902	889	90	89	66-125	1	20	
n-Propylbenzene	ug/kg	1000	993	981	99	98	75-125	1	20	
Naphthalene	ug/kg	1000	904	963	90	96	75-125	6	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

LABORATORY CONTROL SAMPLE & LCSD: 5303999 5304000

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
o-Xylene	ug/kg	1000	965	944	97	94	75-125	2	20	
p-Isopropyltoluene	ug/kg	1000	977	958	98	96	74-125	2	20	
sec-Butylbenzene	ug/kg	1000	976	949	98	95	74-125	3	20	
Styrene	ug/kg	1000	1030	1020	103	102	75-125	1	20	
tert-Butylbenzene	ug/kg	1000	979	942	98	94	75-125	4	20	
Tetrachloroethene	ug/kg	1000	968	936	97	94	75-125	3	20	
Tetrahydrofuran	ug/kg	5000	5160	5390	103	108	69-132	4	20	
Toluene	ug/kg	1000	1030	976	103	98	75-125	5	20	
trans-1,2-Dichloroethene	ug/kg	1000	975	912	98	91	75-128	7	20	
trans-1,3-Dichloropropene	ug/kg	1000	980	985	98	98	68-129	0	20	
Trichloroethene	ug/kg	1000	1170	1090	117	109	75-125	7	20	
Trichlorofluoromethane	ug/kg	1000	1010	925	101	93	69-146	9	20	
Vinyl chloride	ug/kg	1000	1010	942	101	94	71-138	6	20	
Xylene (Total)	ug/kg	3000	2880	2820	96	94	75-125	2	20	
1,2-Dichlorobenzene-d4 (S)	%.				100	97	75-125			
4-Bromofluorobenzene (S)	%.				101	105	75-125			
Toluene-d8 (S)	%.				99	104	75-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

QC Batch: 1017690
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV 5030 Med Level
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10740890009, 10740890010, 10740890011, 10740890012, 10740890013, 10740890017

METHOD BLANK: 5304898 Matrix: Solid
Associated Lab Samples: 10740890009, 10740890010, 10740890011, 10740890012, 10740890013, 10740890017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<50.0	50.0	07/10/25 15:13	
1,1,1-Trichloroethane	ug/kg	<50.0	50.0	07/10/25 15:13	
1,1,2,2-Tetrachloroethane	ug/kg	<50.0	50.0	07/10/25 15:13	
1,1,2-Trichloroethane	ug/kg	<50.0	50.0	07/10/25 15:13	
1,1,2-Trichlorotrifluoroethane	ug/kg	<200	200	07/10/25 15:13	
1,1-Dichloroethane	ug/kg	<50.0	50.0	07/10/25 15:13	
1,1-Dichloroethene	ug/kg	<50.0	50.0	07/10/25 15:13	
1,1-Dichloropropene	ug/kg	<50.0	50.0	07/10/25 15:13	
1,2,3-Trichlorobenzene	ug/kg	<50.0	50.0	07/10/25 15:13	
1,2,3-Trichloropropane	ug/kg	<200	200	07/10/25 15:13	
1,2,4-Trichlorobenzene	ug/kg	<50.0	50.0	07/10/25 15:13	
1,2,4-Trimethylbenzene	ug/kg	<50.0	50.0	07/10/25 15:13	
1,2-Dibromo-3-chloropropane	ug/kg	<500	500	07/10/25 15:13	
1,2-Dibromoethane (EDB)	ug/kg	<50.0	50.0	07/10/25 15:13	
1,2-Dichlorobenzene	ug/kg	<50.0	50.0	07/10/25 15:13	
1,2-Dichloroethane	ug/kg	<50.0	50.0	07/10/25 15:13	
1,2-Dichloropropane	ug/kg	<50.0	50.0	07/10/25 15:13	
1,3,5-Trimethylbenzene	ug/kg	<50.0	50.0	07/10/25 15:13	
1,3-Dichlorobenzene	ug/kg	<50.0	50.0	07/10/25 15:13	
1,3-Dichloropropane	ug/kg	<50.0	50.0	07/10/25 15:13	
1,4-Dichlorobenzene	ug/kg	<50.0	50.0	07/10/25 15:13	
2,2-Dichloropropane	ug/kg	<200	200	07/10/25 15:13	
2-Butanone (MEK)	ug/kg	<250	250	07/10/25 15:13	
2-Chlorotoluene	ug/kg	<50.0	50.0	07/10/25 15:13	
4-Chlorotoluene	ug/kg	<50.0	50.0	07/10/25 15:13	
4-Methyl-2-pentanone (MIBK)	ug/kg	<250	250	07/10/25 15:13	
Acetone	ug/kg	<1000	1000	07/10/25 15:13	
Allyl chloride	ug/kg	<200	200	07/10/25 15:13	
Benzene	ug/kg	<20.0	20.0	07/10/25 15:13	
Bromobenzene	ug/kg	<50.0	50.0	07/10/25 15:13	
Bromochloromethane	ug/kg	<50.0	50.0	07/10/25 15:13	
Bromodichloromethane	ug/kg	<50.0	50.0	07/10/25 15:13	
Bromoform	ug/kg	<200	200	07/10/25 15:13	
Bromomethane	ug/kg	<500	500	07/10/25 15:13	
Carbon tetrachloride	ug/kg	<50.0	50.0	07/10/25 15:13	
Chlorobenzene	ug/kg	<50.0	50.0	07/10/25 15:13	
Chloroethane	ug/kg	<500	500	07/10/25 15:13	
Chloroform	ug/kg	<50.0	50.0	07/10/25 15:13	
Chloromethane	ug/kg	<200	200	07/10/25 15:13	
cis-1,2-Dichloroethene	ug/kg	<50.0	50.0	07/10/25 15:13	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

METHOD BLANK: 5304898 Matrix: Solid
Associated Lab Samples: 10740890009, 10740890010, 10740890011, 10740890012, 10740890013, 10740890017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	<50.0	50.0	07/10/25 15:13	
Dibromochloromethane	ug/kg	<200	200	07/10/25 15:13	
Dibromomethane	ug/kg	<50.0	50.0	07/10/25 15:13	
Dichlorodifluoromethane	ug/kg	<200	200	07/10/25 15:13	
Dichlorofluoromethane	ug/kg	<500	500	07/10/25 15:13	
Diethyl ether (Ethyl ether)	ug/kg	<200	200	07/10/25 15:13	
Ethylbenzene	ug/kg	<50.0	50.0	07/10/25 15:13	
Hexachloro-1,3-butadiene	ug/kg	<250	250	07/10/25 15:13	
Isopropylbenzene (Cumene)	ug/kg	<50.0	50.0	07/10/25 15:13	
m&p-Xylene	ug/kg	<100	100	07/10/25 15:13	
Methyl-tert-butyl ether	ug/kg	<50.0	50.0	07/10/25 15:13	
Methylene Chloride	ug/kg	<200	200	07/10/25 15:13	
n-Butylbenzene	ug/kg	<50.0	50.0	07/10/25 15:13	
n-Propylbenzene	ug/kg	<50.0	50.0	07/10/25 15:13	
Naphthalene	ug/kg	<200	200	07/10/25 15:13	
o-Xylene	ug/kg	<50.0	50.0	07/10/25 15:13	
p-Isopropyltoluene	ug/kg	<50.0	50.0	07/10/25 15:13	
sec-Butylbenzene	ug/kg	<50.0	50.0	07/10/25 15:13	
Styrene	ug/kg	<50.0	50.0	07/10/25 15:13	
tert-Butylbenzene	ug/kg	<50.0	50.0	07/10/25 15:13	
Tetrachloroethene	ug/kg	<50.0	50.0	07/10/25 15:13	
Tetrahydrofuran	ug/kg	<2000	2000	07/10/25 15:13	
Toluene	ug/kg	<50.0	50.0	07/10/25 15:13	
trans-1,2-Dichloroethene	ug/kg	<50.0	50.0	07/10/25 15:13	
trans-1,3-Dichloropropene	ug/kg	<50.0	50.0	07/10/25 15:13	
Trichloroethene	ug/kg	<50.0	50.0	07/10/25 15:13	
Trichlorofluoromethane	ug/kg	<200	200	07/10/25 15:13	
Vinyl chloride	ug/kg	<20.0	20.0	07/10/25 15:13	
Xylene (Total)	ug/kg	<150	150	07/10/25 15:13	
1,2-Dichlorobenzene-d4 (S)	%.	100	75-125	07/10/25 15:13	
4-Bromofluorobenzene (S)	%.	102	75-125	07/10/25 15:13	
Toluene-d8 (S)	%.	109	75-125	07/10/25 15:13	

LABORATORY CONTROL SAMPLE & LCSD: 5304899 5304900

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1000	1020	981	102	98	73-127	4	20	
1,1,1-Trichloroethane	ug/kg	1000	1080	973	108	97	73-125	10	20	
1,1,2,2-Tetrachloroethane	ug/kg	1000	1010	995	101	99	66-126	2	20	
1,1,2-Trichloroethane	ug/kg	1000	1070	1010	107	101	75-125	6	20	
1,1,2-Trichlorotrifluoroethane	ug/kg	1000	1060	938	106	94	67-139	13	20	
1,1-Dichloroethane	ug/kg	1000	1020	955	102	96	75-125	6	20	
1,1-Dichloroethene	ug/kg	1000	1030	946	103	95	75-127	8	20	
1,1-Dichloropropene	ug/kg	1000	1020	933	102	93	75-125	9	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

LABORATORY CONTROL SAMPLE & LCSD: 5304899 5304900

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,3-Trichlorobenzene	ug/kg	1000	975	904	97	90	70-125	8	20	
1,2,3-Trichloropropane	ug/kg	1000	1040	1140	104	114	75-125	9	20	
1,2,4-Trichlorobenzene	ug/kg	1000	1100	1030	110	103	75-125	7	20	
1,2,4-Trimethylbenzene	ug/kg	1000	1020	982	102	98	75-125	4	20	
1,2-Dibromo-3-chloropropane	ug/kg	1000	1020	992	102	99	72-125	3	20	
1,2-Dibromoethane (EDB)	ug/kg	1000	1060	1010	106	101	75-125	4	20	
1,2-Dichlorobenzene	ug/kg	1000	1050	946	105	95	75-125	11	20	
1,2-Dichloroethane	ug/kg	1000	1050	1030	105	103	75-125	2	20	
1,2-Dichloropropane	ug/kg	1000	1010	1000	101	100	75-125	0	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1050	996	105	100	75-125	5	20	
1,3-Dichlorobenzene	ug/kg	1000	1080	998	108	100	75-125	8	20	
1,3-Dichloropropane	ug/kg	1000	1050	1050	105	105	75-125	0	20	
1,4-Dichlorobenzene	ug/kg	1000	1070	983	107	98	75-125	9	20	
2,2-Dichloropropane	ug/kg	1000	1020	888	102	89	56-128	14	20	
2-Butanone (MEK)	ug/kg	5000	5720	5330	114	107	70-129	7	20	
2-Chlorotoluene	ug/kg	1000	1020	1020	102	102	75-125	0	20	
4-Chlorotoluene	ug/kg	1000	1060	1010	106	101	75-125	5	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	5000	4880	5010	98	100	75-127	3	20	
Acetone	ug/kg	5000	4910	4650	98	93	68-130	5	20	
Allyl chloride	ug/kg	1000	1040	991	104	99	69-125	5	20	
Benzene	ug/kg	1000	970	945	97	95	75-125	3	20	
Bromobenzene	ug/kg	1000	1050	999	105	100	75-125	5	20	
Bromochloromethane	ug/kg	1000	1080	983	108	98	75-125	9	20	
Bromodichloromethane	ug/kg	1000	975	935	97	93	72-125	4	20	
Bromoform	ug/kg	1000	1030	995	103	99	64-125	3	20	
Bromomethane	ug/kg	1000	988	892	99	89	32-150	10	20	
Carbon tetrachloride	ug/kg	1000	1090	960	109	96	72-126	13	20	
Chlorobenzene	ug/kg	1000	1000	978	100	98	75-125	2	20	
Chloroethane	ug/kg	1000	1080	883	108	88	49-150	20	20	
Chloroform	ug/kg	1000	978	898	98	90	75-125	9	20	
Chloromethane	ug/kg	1000	952	874	95	87	64-133	9	20	
cis-1,2-Dichloroethene	ug/kg	1000	1020	922	102	92	75-125	10	20	
cis-1,3-Dichloropropene	ug/kg	1000	1010	954	101	95	68-134	6	20	
Dibromochloromethane	ug/kg	1000	1030	976	103	98	72-126	6	20	
Dibromomethane	ug/kg	1000	941	912	94	91	75-128	3	20	
Dichlorodifluoromethane	ug/kg	1000	946	876	95	88	65-144	8	20	
Dichlorofluoromethane	ug/kg	1000	976	968	98	97	60-145	1	20	
Diethyl ether (Ethyl ether)	ug/kg	1000	1060	978	106	98	75-125	8	20	
Ethylbenzene	ug/kg	1000	1030	938	103	94	75-125	9	20	
Hexachloro-1,3-butadiene	ug/kg	1000	1050	1000	105	100	67-126	5	20	
Isopropylbenzene (Cumene)	ug/kg	1000	1090	1020	109	102	75-125	7	20	
m&p-Xylene	ug/kg	2000	2040	1810	102	91	75-125	12	20	
Methyl-tert-butyl ether	ug/kg	1000	1050	1010	105	101	75-125	4	20	
Methylene Chloride	ug/kg	1000	972	909	97	91	74-125	7	20	
n-Butylbenzene	ug/kg	1000	1060	971	106	97	66-125	9	20	
n-Propylbenzene	ug/kg	1000	1120	1030	112	103	75-125	8	20	
Naphthalene	ug/kg	1000	962	957	96	96	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

LABORATORY CONTROL SAMPLE & LCSD: 5304899 5304900

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
o-Xylene	ug/kg	1000	954	903	95	90	75-125	5	20	
p-Isopropyltoluene	ug/kg	1000	1130	1060	113	106	74-125	6	20	
sec-Butylbenzene	ug/kg	1000	1070	1060	107	106	74-125	1	20	
Styrene	ug/kg	1000	1040	962	104	96	75-125	8	20	
tert-Butylbenzene	ug/kg	1000	1090	1010	109	101	75-125	7	20	
Tetrachloroethene	ug/kg	1000	1050	918	105	92	75-125	13	20	
Tetrahydrofuran	ug/kg	5000	4650	4700	93	94	69-132	1	20	
Toluene	ug/kg	1000	904	884	90	88	75-125	2	20	
trans-1,2-Dichloroethene	ug/kg	1000	954	884	95	88	75-128	8	20	
trans-1,3-Dichloropropene	ug/kg	1000	1050	994	105	99	68-129	6	20	
Trichloroethene	ug/kg	1000	1100	972	110	97	75-125	12	20	
Trichlorofluoromethane	ug/kg	1000	1020	931	102	93	69-146	9	20	
Vinyl chloride	ug/kg	1000	943	876	94	88	71-138	7	20	
Xylene (Total)	ug/kg	3000	2990	2720	100	91	75-125	10	20	
1,2-Dichlorobenzene-d4 (S)	%.				102	98	75-125			
4-Bromofluorobenzene (S)	%.				104	105	75-125			
Toluene-d8 (S)	%.				96	96	75-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

QC Batch: 1016398
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E
Analysis Description: 8270E Solid MSSV
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10740890001, 10740890002, 10740890003, 10740890004, 10740890005, 10740890006, 10740890007, 10740890008

METHOD BLANK: 5298629 Matrix: Solid
Associated Lab Samples: 10740890001, 10740890002, 10740890003, 10740890004, 10740890005, 10740890006, 10740890007, 10740890008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<329	329	07/03/25 14:11	
1,2-Dichlorobenzene	ug/kg	<329	329	07/03/25 14:11	
1,2-Diphenylhydrazine	ug/kg	<329	329	07/03/25 14:11	
1,3-Dichlorobenzene	ug/kg	<329	329	07/03/25 14:11	
1,4-Dichlorobenzene	ug/kg	<329	329	07/03/25 14:11	
1-Methylnaphthalene	ug/kg	<329	329	07/03/25 14:11	
2,4,5-Trichlorophenol	ug/kg	<329	329	07/03/25 14:11	
2,4,6-Trichlorophenol	ug/kg	<329	329	07/03/25 14:11	
2,4-Dichlorophenol	ug/kg	<329	329	07/03/25 14:11	
2,4-Dimethylphenol	ug/kg	<329	329	07/03/25 14:11	
2,4-Dinitrophenol	ug/kg	<329	329	07/03/25 14:11	
2,4-Dinitrotoluene	ug/kg	<329	329	07/03/25 14:11	
2,6-Dinitrotoluene	ug/kg	<329	329	07/03/25 14:11	
2-Chloronaphthalene	ug/kg	<329	329	07/03/25 14:11	
2-Chlorophenol	ug/kg	<329	329	07/03/25 14:11	
2-Methylnaphthalene	ug/kg	<329	329	07/03/25 14:11	
2-Methylphenol(o-Cresol)	ug/kg	<329	329	07/03/25 14:11	
2-Nitroaniline	ug/kg	<329	329	07/03/25 14:11	
2-Nitrophenol	ug/kg	<329	329	07/03/25 14:11	
3&4-Methylphenol(m&p Cresol)	ug/kg	<329	329	07/03/25 14:11	
3,3'-Dichlorobenzidine	ug/kg	<329	329	07/03/25 14:11	
3-Nitroaniline	ug/kg	<329	329	07/03/25 14:11	
4,6-Dinitro-2-methylphenol	ug/kg	<1700	1700	07/03/25 14:11	
4-Bromophenylphenyl ether	ug/kg	<329	329	07/03/25 14:11	
4-Chloro-3-methylphenol	ug/kg	<329	329	07/03/25 14:11	
4-Chloroaniline	ug/kg	<329	329	07/03/25 14:11	
4-Chlorophenylphenyl ether	ug/kg	<329	329	07/03/25 14:11	
4-Nitroaniline	ug/kg	<329	329	07/03/25 14:11	
4-Nitrophenol	ug/kg	<329	329	07/03/25 14:11	
Acenaphthene	ug/kg	<329	329	07/03/25 14:11	
Acenaphthylene	ug/kg	<329	329	07/03/25 14:11	
Anthracene	ug/kg	<329	329	07/03/25 14:11	
Benzo(a)anthracene	ug/kg	<329	329	07/03/25 14:11	
Benzo(a)pyrene	ug/kg	<329	329	07/03/25 14:11	
Benzo(b)fluoranthene	ug/kg	<329	329	07/03/25 14:11	
Benzo(g,h,i)perylene	ug/kg	<329	329	07/03/25 14:11	
Benzo(k)fluoranthene	ug/kg	<329	329	07/03/25 14:11	
bis(2-Chloroethoxy)methane	ug/kg	<329	329	07/03/25 14:11	
bis(2-Chloroethyl) ether	ug/kg	<329	329	07/03/25 14:11	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

METHOD BLANK: 5298629 Matrix: Solid
Associated Lab Samples: 10740890001, 10740890002, 10740890003, 10740890004, 10740890005, 10740890006, 10740890007, 10740890008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Chloroisopropyl) ether	ug/kg	<329	329	07/03/25 14:11	
bis(2-Ethylhexyl)phthalate	ug/kg	<329	329	07/03/25 14:11	
Butylbenzylphthalate	ug/kg	<329	329	07/03/25 14:11	
Carbazole	ug/kg	<329	329	07/03/25 14:11	
Chrysene	ug/kg	<329	329	07/03/25 14:11	
Di-n-butylphthalate	ug/kg	<329	329	07/03/25 14:11	
Di-n-octylphthalate	ug/kg	<329	329	07/03/25 14:11	
Dibenz(a,h)anthracene	ug/kg	<329	329	07/03/25 14:11	
Dibenzofuran	ug/kg	<329	329	07/03/25 14:11	
Diethylphthalate	ug/kg	<329	329	07/03/25 14:11	
Dimethylphthalate	ug/kg	<329	329	07/03/25 14:11	
Fluoranthene	ug/kg	<329	329	07/03/25 14:11	
Fluorene	ug/kg	<329	329	07/03/25 14:11	
Hexachloro-1,3-butadiene	ug/kg	<329	329	07/03/25 14:11	
Hexachlorobenzene	ug/kg	<329	329	07/03/25 14:11	
Hexachloroethane	ug/kg	<329	329	07/03/25 14:11	
Indeno(1,2,3-cd)pyrene	ug/kg	<329	329	07/03/25 14:11	
Isophorone	ug/kg	<329	329	07/03/25 14:11	
N-Nitroso-di-n-propylamine	ug/kg	<329	329	07/03/25 14:11	
N-Nitrosodimethylamine	ug/kg	<329	329	07/03/25 14:11	
N-Nitrosodiphenylamine	ug/kg	<329	329	07/03/25 14:11	
Naphthalene	ug/kg	<329	329	07/03/25 14:11	
Nitrobenzene	ug/kg	<329	329	07/03/25 14:11	
Pentachlorophenol	ug/kg	<669	669	07/03/25 14:11	
Phenanthrene	ug/kg	<329	329	07/03/25 14:11	
Phenol	ug/kg	<329	329	07/03/25 14:11	
Pyrene	ug/kg	<329	329	07/03/25 14:11	
2,4,6-Tribromophenol (S)	%.	93	30-133	07/03/25 14:11	
2-Fluorobiphenyl (S)	%.	81	41-125	07/03/25 14:11	
2-Fluorophenol (S)	%.	76	30-125	07/03/25 14:11	
Nitrobenzene-d5 (S)	%.	75	30-125	07/03/25 14:11	
p-Terphenyl-d14 (S)	%.	102	38-125	07/03/25 14:11	
Phenol-d6 (S)	%.	77	30-125	07/03/25 14:11	

LABORATORY CONTROL SAMPLE: 5298630

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	3330	2470	74	40-125	
1,2-Dichlorobenzene	ug/kg	3330	2320	70	38-125	
1,2-Diphenylhydrazine	ug/kg	3330	2860	86	61-125	
1,3-Dichlorobenzene	ug/kg	3330	2230	67	36-125	
1,4-Dichlorobenzene	ug/kg	3330	2270	68	33-125	
1-Methylnaphthalene	ug/kg	3330	2590	78	44-125	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

LABORATORY CONTROL SAMPLE: 5298630

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-Trichlorophenol	ug/kg	3330	3240	97	60-127	
2,4,6-Trichlorophenol	ug/kg	3330	3120	94	58-128	
2,4-Dichlorophenol	ug/kg	3330	2880	87	45-134	
2,4-Dimethylphenol	ug/kg	3330	2750	82	32-126	
2,4-Dinitrophenol	ug/kg	3330	1950	59	30-125	
2,4-Dinitrotoluene	ug/kg	3330	3160	95	63-125	
2,6-Dinitrotoluene	ug/kg	3330	3090	93	61-125	
2-Chloronaphthalene	ug/kg	3330	2890	87	51-125	
2-Chlorophenol	ug/kg	3330	2560	77	33-125	
2-Methylnaphthalene	ug/kg	3330	2610	78	42-125	
2-Methylphenol(o-Cresol)	ug/kg	3330	2550	76	39-125	
2-Nitroaniline	ug/kg	3330	3020	91	63-125	
2-Nitrophenol	ug/kg	3330	2620	79	36-134	
3&4-Methylphenol(m&p Cresol)	ug/kg	3330	2630	79	43-125	
3,3'-Dichlorobenzidine	ug/kg	3330	3510	105	63-125	
3-Nitroaniline	ug/kg	3330	3200	96	65-125	
4,6-Dinitro-2-methylphenol	ug/kg	3330	2870	86	50-132	
4-Bromophenylphenyl ether	ug/kg	3330	3120	94	65-125	
4-Chloro-3-methylphenol	ug/kg	3330	2960	89	56-126	
4-Chloroaniline	ug/kg	3330	2960	89	41-125	
4-Chlorophenylphenyl ether	ug/kg	3330	3070	92	60-125	
4-Nitroaniline	ug/kg	3330	2920	88	57-125	
4-Nitrophenol	ug/kg	3330	3060	92	55-127	
Acenaphthene	ug/kg	3330	2920	88	56-125	
Acenaphthylene	ug/kg	3330	2940	88	56-125	
Anthracene	ug/kg	3330	3170	95	66-125	
Benzo(a)anthracene	ug/kg	3330	3140	94	69-125	
Benzo(a)pyrene	ug/kg	3330	3140	94	68-125	
Benzo(b)fluoranthene	ug/kg	3330	3130	94	69-125	
Benzo(g,h,i)perylene	ug/kg	3330	3390	102	68-131	
Benzo(k)fluoranthene	ug/kg	3330	3150	94	68-125	
bis(2-Chloroethoxy)methane	ug/kg	3330	2510	75	41-125	
bis(2-Chloroethyl) ether	ug/kg	3330	2150	65	38-125	
bis(2-Chloroisopropyl) ether	ug/kg	3330	2010	60	37-125	
bis(2-Ethylhexyl)phthalate	ug/kg	3330	3240	97	68-126	
Butylbenzylphthalate	ug/kg	3330	3160	95	68-125	
Carbazole	ug/kg	3330	3100	93	69-125	
Chrysene	ug/kg	3330	3200	96	69-125	
Di-n-butylphthalate	ug/kg	3330	3130	94	68-125	
Di-n-octylphthalate	ug/kg	3330	3180	96	69-128	
Dibenz(a,h)anthracene	ug/kg	3330	3370	101	68-131	
Dibenzofuran	ug/kg	3330	3000	90	58-125	
Diethylphthalate	ug/kg	3330	3090	93	63-125	
Dimethylphthalate	ug/kg	3330	3050	91	62-125	
Fluoranthene	ug/kg	3330	3110	93	67-125	
Fluorene	ug/kg	3330	3020	91	60-125	
Hexachloro-1,3-butadiene	ug/kg	3330	2420	73	40-125	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

LABORATORY CONTROL SAMPLE: 5298630

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorobenzene	ug/kg	3330	3100	93	64-125	
Hexachloroethane	ug/kg	3330	2210	66	30-125	
Indeno(1,2,3-cd)pyrene	ug/kg	3330	3280	98	69-130	
Isophorone	ug/kg	3330	2520	76	47-125	
N-Nitroso-di-n-propylamine	ug/kg	3330	2300	69	38-125	
N-Nitrosodimethylamine	ug/kg	3330	2050	62	30-125	
N-Nitrosodiphenylamine	ug/kg	3330	3260	98	68-125	
Naphthalene	ug/kg	3330	2510	75	38-125	
Nitrobenzene	ug/kg	3330	2360	71	34-125	
Pentachlorophenol	ug/kg	3330	2940	88	51-136	
Phenanthrene	ug/kg	3330	3200	96	66-125	
Phenol	ug/kg	3330	2470	74	39-125	
Pyrene	ug/kg	3330	3330	100	65-129	
2,4,6-Tribromophenol (S)	%.			91	30-133	
2-Fluorobiphenyl (S)	%.			84	41-125	
2-Fluorophenol (S)	%.			72	30-125	
Nitrobenzene-d5 (S)	%.			71	30-125	
p-Terphenyl-d14 (S)	%.			95	38-125	
Phenol-d6 (S)	%.			74	30-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5298631 5298632

Parameter	Units	10740890001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	<397	4010	4010	2710	2460	68	61	40-125	10	30	
1,2-Dichlorobenzene	ug/kg	<397	4010	4010	2280	2020	57	50	38-125	12	30	
1,2-Diphenylhydrazine	ug/kg	<397	4010	4010	3110	2930	78	73	39-125	6	30	
1,3-Dichlorobenzene	ug/kg	<397	4010	4010	2120	1930	53	48	36-125	10	30	
1,4-Dichlorobenzene	ug/kg	<397	4010	4010	2190	1920	55	48	33-125	13	30	
1-Methylnaphthalene	ug/kg	<397	4010	4010	3110	2770	77	69	38-125	12	30	
2,4,5-Trichlorophenol	ug/kg	<397	4010	4010	3360	3120	84	78	30-142	7	30	
2,4,6-Trichlorophenol	ug/kg	<397	4010	4010	3340	2940	83	73	30-137	13	30	
2,4-Dichlorophenol	ug/kg	<397	4010	4010	3390	2930	85	73	30-136	15	30	
2,4-Dimethylphenol	ug/kg	<397	4010	4010	3180	2840	79	71	31-126	11	30	
2,4-Dinitrophenol	ug/kg	<397	4010	4010	1750	1510	44	38	30-125	15	30	
2,4-Dinitrotoluene	ug/kg	<397	4010	4010	3200	2990	80	74	30-150	7	30	
2,6-Dinitrotoluene	ug/kg	<397	4010	4010	3300	2990	82	74	30-143	10	30	
2-Chloronaphthalene	ug/kg	<397	4010	4010	3180	2920	79	73	40-125	9	30	
2-Chlorophenol	ug/kg	<397	4010	4010	3100	2730	77	68	30-125	13	30	
2-Methylnaphthalene	ug/kg	<397	4010	4010	3110	2800	77	70	30-125	10	30	
2-Methylphenol(o-Cresol)	ug/kg	<397	4010	4010	3200	2850	80	71	39-125	12	30	
2-Nitroaniline	ug/kg	<397	4010	4010	3350	3140	84	78	37-129	7	30	
2-Nitrophenol	ug/kg	<397	4010	4010	2870	2510	72	62	30-141	13	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	<397	4010	4010	3210	2870	80	72	36-125	11	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5298631 5298632

Parameter	Units	10740890001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
3,3'-Dichlorobenzidine	ug/kg	<397	4010	4010	1280	1090	32	27	30-150	16	30	M1
3-Nitroaniline	ug/kg	<397	4010	4010	2570	2120	64	53	30-145	19	30	
4,6-Dinitro-2-methylphenol	ug/kg	<2050	4010	4010	2370	<2050	59	48	30-144		30	
4-Bromophenylphenyl ether	ug/kg	<397	4010	4010	3350	3000	84	75	44-125	11	30	
4-Chloro-3-methylphenol	ug/kg	<397	4010	4010	3450	3060	86	76	31-127	12	30	
4-Chloroaniline	ug/kg	<397	4010	4010	1710	1510	43	38	30-125	12	30	
4-Chlorophenylphenyl ether	ug/kg	<397	4010	4010	3330	3060	83	76	43-125	8	30	
4-Nitroaniline	ug/kg	<397	4010	4010	2500	2220	62	55	30-147	12	30	
4-Nitrophenol	ug/kg	<397	4010	4010	3830	3390	96	84	30-150	12	30	
Acenaphthene	ug/kg	<397	4010	4010	3230	3020	81	75	40-125	7	30	
Acenaphthylene	ug/kg	<397	4010	4010	3260	3030	81	75	39-125	7	30	
Anthracene	ug/kg	<397	4010	4010	3360	3080	83	76	30-136	9	30	
Benzo(a)anthracene	ug/kg	<397	4010	4010	3380	3030	82	73	30-150	11	30	
Benzo(a)pyrene	ug/kg	<397	4010	4010	3240	2990	77	71	30-150	8	30	
Benzo(b)fluoranthene	ug/kg	<397	4010	4010	3340	3150	79	74	30-143	6	30	
Benzo(g,h,i)perylene	ug/kg	<397	4010	4010	3200	2970	77	72	30-150	7	30	
Benzo(k)fluoranthene	ug/kg	<397	4010	4010	3200	3030	78	74	30-150	5	30	
bis(2-Chloroethoxy)methane	ug/kg	<397	4010	4010	2870	2510	72	62	40-125	13	30	
bis(2-Chloroethyl) ether	ug/kg	<397	4010	4010	2240	2070	56	52	38-125	8	30	
bis(2-Chloroisopropyl) ether	ug/kg	<397	4010	4010	2010	1840	50	46	37-125	9	30	
bis(2-Ethylhexyl)phthalate	ug/kg	<397	4010	4010	3370	3010	82	73	38-140	11	30	
Butylbenzylphthalate	ug/kg	<397	4010	4010	3320	3010	83	75	44-130	10	30	
Carbazole	ug/kg	<397	4010	4010	3270	2930	82	73	39-126	11	30	
Chrysene	ug/kg	<397	4010	4010	3390	3120	81	74	30-142	8	30	
Di-n-butylphthalate	ug/kg	<397	4010	4010	3270	2950	82	73	42-125	10	30	
Di-n-octylphthalate	ug/kg	<397	4010	4010	3330	3010	83	75	48-130	10	30	
Dibenz(a,h)anthracene	ug/kg	<397	4010	4010	3130	2820	78	70	30-150	10	30	
Dibenzofuran	ug/kg	<397	4010	4010	3360	3070	84	76	40-125	9	30	
Diethylphthalate	ug/kg	<397	4010	4010	3230	2940	80	73	44-125	9	30	
Dimethylphthalate	ug/kg	<397	4010	4010	3240	2940	81	73	41-125	10	30	
Fluoranthene	ug/kg	<397	4010	4010	3500	3220	82	75	30-150	8	30	
Fluorene	ug/kg	<397	4010	4010	3310	3050	82	76	34-125	8	30	
Hexachloro-1,3-butadiene	ug/kg	<397	4010	4010	2470	2260	62	56	40-125	9	30	
Hexachlorobenzene	ug/kg	<397	4010	4010	3070	2890	77	72	44-125	6	30	
Hexachloroethane	ug/kg	<397	4010	4010	1720	1120	43	28	30-125	42	30	M1,R1
Indeno(1,2,3-cd)pyrene	ug/kg	<397	4010	4010	3110	2880	78	72	30-150	8	30	
Isophorone	ug/kg	<397	4010	4010	2780	2420	69	60	41-125	14	30	
N-Nitroso-di-n-propylamine	ug/kg	<397	4010	4010	2570	2260	64	56	33-125	13	30	
N-Nitrosodimethylamine	ug/kg	<397	4010	4010	1920	1620	48	40	30-125	17	30	
N-Nitrosodiphenylamine	ug/kg	<397	4010	4010	3440	3050	86	76	37-131	12	30	
Naphthalene	ug/kg	<397	4010	4010	2850	2540	71	63	30-125	12	30	
Nitrobenzene	ug/kg	<397	4010	4010	2640	2390	66	60	32-125	10	30	
Pentachlorophenol	ug/kg	<807	4010	4010	2250	1970	56	49	30-150	13	30	
Phenanthrene	ug/kg	<397	4010	4010	3440	3180	84	77	30-150	8	30	
Phenol	ug/kg	<397	4010	4010	3330	2780	83	69	33-125	18	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5298631 5298632

Parameter	Units	10740890001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Pyrene	ug/kg	<397	4010	4010	3680	3390	87	80	30-150	8	30	
2,4,6-Tribromophenol (S)	%.						74	67	30-133			
2-Fluorobiphenyl (S)	%.						76	69	41-125			
2-Fluorophenol (S)	%.						67	59	30-125			
Nitrobenzene-d5 (S)	%.						65	58	30-125			
p-Terphenyl-d14 (S)	%.						81	73	38-125			
Phenol-d6 (S)	%.						77	66	30-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

QC Batch: 1016520
QC Batch Method: WI MOD DRO
Analysis Method: WI MOD DRO
Analysis Description: WIDRO GCS
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10740890001, 10740890002, 10740890003, 10740890004, 10740890005, 10740890006, 10740890007, 10740890008

METHOD BLANK: 5299169 Matrix: Solid
Associated Lab Samples: 10740890001, 10740890002, 10740890003, 10740890004, 10740890005, 10740890006, 10740890007, 10740890008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
WDRO C10-C28	mg/kg	<10.0	10.0	07/07/25 09:02	
n-Triacontane (S)	%.	104	50-150	07/07/25 09:02	

LABORATORY CONTROL SAMPLE & LCSD: 5299170 5299171

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
WDRO C10-C28	mg/kg	80	74.5	76.4	93	95	70-120	2	20	
n-Triacontane (S)	%.				88	90	50-150			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 1016618

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 1016921

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 1017677

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

[1] Bromomethane and hexachloro-1,3-butadiene did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

[2] The continuing calibration verification was above the method acceptance limit for chloroethane and 2-butanone. Any detection for the analyte in the associated samples may have a high bias.

Batch: 1017968

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

[1] Bromomethane and hexachloro-1,3-butadiene did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

[2] The continuing calibration verification was above the method acceptance limit for bromomethane and chloroethane. Any detection for the analyte in the associated samples may have a high bias.

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

ANALYTE QUALIFIERS

N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
R1	RPD value was outside control limits.
T6	High boiling point hydrocarbons are present in the sample.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10740890001	**2025-GS-1_0-4**	WI MOD DRO	1016520	WI MOD DRO	1016618
10740890002	**2025-GS-2_0-4**	WI MOD DRO	1016520	WI MOD DRO	1016618
10740890003	**2025-GS-3_0-4**	WI MOD DRO	1016520	WI MOD DRO	1016618
10740890004	**2025-GS-4_0-4**	WI MOD DRO	1016520	WI MOD DRO	1016618
10740890005	**2025-GS-5_0-4**	WI MOD DRO	1016520	WI MOD DRO	1016618
10740890006	**2025-GS-6_0-4**	WI MOD DRO	1016520	WI MOD DRO	1016618
10740890007	**2025-GS-7_0-4**	WI MOD DRO	1016520	WI MOD DRO	1016618
10740890008	**2025-GS-8_0-4**	WI MOD DRO	1016520	WI MOD DRO	1016618
10740890009	**2025-GS-1C_2-3**	EPA 5030 Medium Soil	1016868	WI MOD GRO	1016921
10740890010	**2025-GS-2D_3-4**	EPA 5030 Medium Soil	1016868	WI MOD GRO	1016921
10740890011	**2025-GS-3C_3-4**	EPA 5030 Medium Soil	1016868	WI MOD GRO	1016921
10740890012	**2025-GS-4C_3-4**	EPA 5030 Medium Soil	1016868	WI MOD GRO	1016921
10740890013	**2025-GS-5D_3-4**	EPA 5030 Medium Soil	1016868	WI MOD GRO	1016921
10740890014	**2025-GS-6C_3-4**	EPA 5030 Medium Soil	1016868	WI MOD GRO	1016921
10740890015	**2025-GS-7B_2-3**	EPA 5030 Medium Soil	1016868	WI MOD GRO	1016921
10740890016	**2025-GS-8D_3-4**	EPA 5030 Medium Soil	1016868	WI MOD GRO	1016921
10740890017	**TB-1**	EPA 5030 Medium Soil	1016868	WI MOD GRO	1016921
10740890001	**2025-GS-1_0-4**	EPA 3050B	1016880	EPA 6010D	1017207
10740890002	**2025-GS-2_0-4**	EPA 3050B	1016880	EPA 6010D	1017207
10740890003	**2025-GS-3_0-4**	EPA 3050B	1016880	EPA 6010D	1017207
10740890004	**2025-GS-4_0-4**	EPA 3050B	1016880	EPA 6010D	1017207
10740890005	**2025-GS-5_0-4**	EPA 3050B	1016880	EPA 6010D	1017207
10740890006	**2025-GS-6_0-4**	EPA 3050B	1016880	EPA 6010D	1017207
10740890007	**2025-GS-7_0-4**	EPA 3050B	1016880	EPA 6010D	1017207
10740890008	**2025-GS-8_0-4**	EPA 3050B	1016880	EPA 6010D	1017207
10740890001	**2025-GS-1_0-4**	EPA 7471B	1016883	EPA 7471B	1017114
10740890002	**2025-GS-2_0-4**	EPA 7471B	1016883	EPA 7471B	1017114
10740890003	**2025-GS-3_0-4**	EPA 7471B	1016883	EPA 7471B	1017114
10740890004	**2025-GS-4_0-4**	EPA 7471B	1016883	EPA 7471B	1017114
10740890005	**2025-GS-5_0-4**	EPA 7471B	1016883	EPA 7471B	1017114
10740890006	**2025-GS-6_0-4**	EPA 7471B	1016883	EPA 7471B	1017114
10740890007	**2025-GS-7_0-4**	EPA 7471B	1016883	EPA 7471B	1017114
10740890008	**2025-GS-8_0-4**	EPA 7471B	1016883	EPA 7471B	1017114
10740890001	**2025-GS-1_0-4**	ASTM D2974	1016869		
10740890002	**2025-GS-2_0-4**	ASTM D2974	1016869		
10740890003	**2025-GS-3_0-4**	ASTM D2974	1016869		
10740890004	**2025-GS-4_0-4**	ASTM D2974	1016869		
10740890005	**2025-GS-5_0-4**	ASTM D2974	1016869		
10740890006	**2025-GS-6_0-4**	ASTM D2974	1016869		
10740890007	**2025-GS-7_0-4**	ASTM D2974	1016869		
10740890008	**2025-GS-8_0-4**	ASTM D2974	1016869		
10740890009	**2025-GS-1C_2-3**	ASTM D2974	1018079		
10740890010	**2025-GS-2D_3-4**	ASTM D2974	1018079		
10740890011	**2025-GS-3C_3-4**	ASTM D2974	1018079		
10740890012	**2025-GS-4C_3-4**	ASTM D2974	1018079		
10740890013	**2025-GS-5D_3-4**	ASTM D2974	1018079		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 23271044.05 2025 700 Excelsior
Pace Project No.: 10740890

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10740890014	**2025-GS-6C_3-4**	ASTM D2974	1018079		
10740890015	**2025-GS-7B_2-3**	ASTM D2974	1018079		
10740890016	**2025-GS-8D_3-4**	ASTM D2974	1018079		
10740890001	**2025-GS-1_0-4**	EPA 3546	1016398	EPA 8270E	1016729
10740890002	**2025-GS-2_0-4**	EPA 3546	1016398	EPA 8270E	1016729
10740890003	**2025-GS-3_0-4**	EPA 3546	1016398	EPA 8270E	1016729
10740890004	**2025-GS-4_0-4**	EPA 3546	1016398	EPA 8270E	1016729
10740890005	**2025-GS-5_0-4**	EPA 3546	1016398	EPA 8270E	1016729
10740890006	**2025-GS-6_0-4**	EPA 3546	1016398	EPA 8270E	1016729
10740890007	**2025-GS-7_0-4**	EPA 3546	1016398	EPA 8270E	1016729
10740890008	**2025-GS-8_0-4**	EPA 3546	1016398	EPA 8270E	1016729
10740890009	**2025-GS-1C_2-3**	EPA 5035/5030B	1017690	EPA 8260D	1017968
10740890010	**2025-GS-2D_3-4**	EPA 5035/5030B	1017690	EPA 8260D	1017968
10740890011	**2025-GS-3C_3-4**	EPA 5035/5030B	1017690	EPA 8260D	1017968
10740890012	**2025-GS-4C_3-4**	EPA 5035/5030B	1017690	EPA 8260D	1017968
10740890013	**2025-GS-5D_3-4**	EPA 5035/5030B	1017690	EPA 8260D	1017968
10740890014	**2025-GS-6C_3-4**	EPA 5035/5030B	1017509	EPA 8260D	1017677
10740890015	**2025-GS-7B_2-3**	EPA 5035/5030B	1017509	EPA 8260D	1017677
10740890016	**2025-GS-8D_3-4**	EPA 5035/5030B	1017509	EPA 8260D	1017677
10740890017	**TB-1**	EPA 5035/5030B	1017690	EPA 8260D	1017968

WO#: 10740890

10740890

BARR. Barr Engineerin

Sample Origination State
☐ CO ☐ MI ☒ MN ☐ MO ☐ ND

COC Number: № 599177
COC 1 of 2

REPORT TO	INVOICE TO
Company: Barr Engineering co.	Company:
Address: 4300 MarketPointe Dr. suite 200	Address:
Address: Minneapolis, MN 55435	Address: SAME
Name: Shawn Hayes	Name:
email: shayes@barr.com	email:
Copy to: BarrDM@barr.com	P.O.
Project Name: Excelsior Garden Sampling	Barr Project No: 23271044.05/2025/700

Location	Sample Depth Start	Stop	Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Code	Perform MS/MSD Y / N	Total Number Of Containers	Analysis Requested: Soil / Water: 6010D/7471B Priority Pollutants (A)	8270E MSSV Microwave (A)	Dioxin/Furans (A)	WIDRO GCS (A)	8260D MSV 5030 med Level (F)	WIGRO GCV (F)	% Solids (A)	Preservative Code	Field Filtered Y/N (N)
1. 2025-GS-1	0	4	ft	6/30/2025	10:30	S	N	6	1	1	1	2		4	1		001
2. 2025-GS-2					11:40		N	6	1	1	1	2			1		002
3. 2025-GS-3					12:30		N	6	1	1	1	2			1		003
4. 2025-GS-4					14:15		N	6	1	1	1	2			1		004
5. 2025-GS-5					15:20		N	6	1	1	1	2			1		005
6. 2025-GS-6				7/1/2025	09:30		N	6	1	1	1	2			1		006
7. 2025-GS-7					10:30		N	6	1	1	1	2			1		007
8. 2025-GS-8					12:00		N	6	1	1	1	2			1		008
9. 2025-GS-1C	2	3	ft	6/30/2025	10:45		N	4					2	2			009
10. 2025-GS-2D	3	4	↓	↓	11:55	↓	N	4					2	2			010

Matrix Code: GW = Groundwater, SW = Surface Water, DW = Drinking Water, PW = Pore Water, WW = Waste Water, WQ = TB, FB, EB, etc., W = Unspecified, S = Soil/Solid, SD = Sediment, SQ = MeOH blank, OTH = Other (Oil, etc.)

Preservative Code: A = None, B = HCl, C = HNO_3, D = H_2SO_4, E = NaOH, F = MeOH, G = $NaHSO_4$, H = $Na_2S_2O_3$, I = Ascorbic Acid, J = Zn Acetate, K = Other

4.2/5.3/4.3

BARR USE ONLY						
Sampled by: SAS2	Relinquished by:	On Ice? (Y) N	Date 7/1/25	Time 13:30	Received by:	Date 7/1/25 Time 1402
Barr Proj. Manager: KAE	Relinquished by:	On Ice? (Y) N	Date 7/1/25	Time 14:05	Received by:	Date Time
Barr DQ Manager: Shawn Hayes	Samples Shipped VIA: ☐ Ground Courier ☐ Air Carrier ☐ Sampler ☐ Other:				Air Bill Number:	Requested Due Date: ☒ Standard Turn Around Time ☐ Rush (mm/dd/yyyy)
Lab Name: Pace						
Lab Location: Minneapolis	Lab WO:	Temperature on Receipt (°C): 4.2	Custody Seal Intact? ☐ Y ☐ N ☒ None			

Page 1 of 3

Distribution - **White-Original:** Accompanies Shipment to Laboratory; **Yellow Copy:** Include in Field Documents; **Scan and email:** a copy to BarrDM@barr.com for tracking and filing procedures

H:\AAN\Chain of Custody Form 2024 Rev. 04/12/2024

BARR. Barr Engineering Co. Chain of Custody

Sample Origination State
☐ CO ☐ MI ☒ MN ☐ MO ☐ ND ☐ NV ☐ TX ☐ UT ☐ WI ☐ WY ☐ Other: _____

COC Number: **№ 599176**
COC 2 of 2

REPORT TO	INVOICE TO
Company: Barr Engineering Co.	Company:
Address: 4300 MarketPointe Dr. Suite 200	Address:
Address: Minneapolis, MN 55435	Address:
Name: Shawn Hayes	Name:
email: SHayes@barr.com	email:
Copy to: BarrDM@barr.com	P.O.
Project Name: Excelsior Garden Sampling	Barr Project No: 23271044.05/2025/700

SAME

Matrix Code:
GW = Groundwater; SW = Surface Water; DW = Drinking Water; PW = Pore Water; WW = Waste Water; WQ = TB, FB, EB, etc.; W = Unspecified; S = Soil/Solid; SD = Sediment; SQ = MeOH blank; OTH = Other (Oil, etc.)

Preservative Code:
A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; I = Ascorbic Acid; J = Zn Acetate; K = Other

Location	Sample Depth Start	Stop	Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Code	Perform MS/MSD Y / N	Total Number Of Containers	Analysis Requested: Water	Soil: 8260D MSV 5030 med Level	Soil: WIGRO GCV	Soil: 8260D TB	Soil: WIGRO TB	% Solids	Preservative Code / Field Filtered Y/N
										F N	F N	F N	F N		
1. 2025-GS-3C	3	4	ft	6/30/2025	12:00	S	N	4		2	2				011
2. 2025-GS-4C	3	4	ft	6/30/2025	14:10		N	4		2	2				012
3. 2025-GS-5D	3	4	ft	↓	15:10		N	4		2	2				013
4. 2025-GS-6C	3	4	ft	7/1/2025	09:20		N	4		2	2				014
5. 2025-GS-7B	2	3	ft	↓	10:00		N	4		2	2				015
6. 2025-GS-8D	3	4		↓	11:45	↓	N	4		2	2				016
7. TB-1	—	—	—	6/30/2025	—	SQ	N	4				2	2		017
8.															
9.															
10.															

BARR USE ONLY
Sampled by: SAS 2
Barr Proj. Manager: KAE
Barr DQ Manager: Shawn Hayes
Lab Name: Pace
Lab Location: Minneapolis

Relinquished by: _____ On Ice? (Y) N Date 7/1/2025 Time 13:30 Received by: _____ Date 7/1/25 Time 1402
Relinquished by: _____ On Ice? (Y) N Date 7/1/25 Time 14:05 Received by: _____ Date _____ Time _____

Samples Shipped VIA: ☐ Ground Courier ☐ Air Carrier ☐ Sampler ☐ Other: _____
Air Bill Number:
Lab WO:
Temperature on Receipt (°C): 4.2 Custody Seal Intact? ☐ Y ☐ N ☐ None

Requested Due Date:
☒ Standard Turn Around Time
☐ Rush _____ (mm/dd/yyyy)

Distribution - White-Original: Accompanies Shipment to Laboratory; **Yellow Copy:** Include in Field Documents; **Scan and email:** a copy to BarrDM@barr.com for tracking and filing procedures

H:\AAN\Chain of Custody Form 2024 Rev. 04/12/2024

ENV-FRM-MIN4-0150 v19_Sample Condition Upon Receipt

Person Examining & Date: DW 7/2/25 **PROJECT #:** **WO#: 10740890**

PM: MKH **Due Date: 07/17/25**

CLIENT: BARR

Client Name: BARR

Custody Seal Present: ☐ YES ☑ NO **Seals Intact:** ☐ YES ☑ NO

Tracking Number: ☐ See Exceptions form ENV-FRM-MIN4-0142.

Courier: ☑ Client ☐ Commercial ☐ FedEx ☐ Pace Courier/Field ☐ SpeeDee ☐ UPS ☐ USPS

Packing Material: ☑ Bubble Bags ☐ Bubble Wrap ☐ None ☐ Other: _____ **Biological Tissue Frozen:** ☐ YES ☑ NO

Thermometer: ☐ T1 (0461) ☐ T2 (0431) ☐ T3 (0459) ☐ T4 (0402) **Type of Ice:** ☐ Blue ☐ Dry ☑ Wet ☐ Melted ☐ None
☐ T5 (0187) ☐ T6 (0396) ☐ T7 (0377) ☐ T8 (0775)
☑ T9 (0428) ☐ 01339252 (0710) **Temp Blank:** ☑ YES ☐ NO

NOTE: Temp should be ≤ 6°C, but above freezing.
Read Temp w/Temp Blank: 4.0, 5.1, 4.1 °C
Correction Factor: x0.9
Corrected Temp w/Temp Blank: 4.2, 5.3, 4.3 °C

Did Samples Originate in West Virginia: ☐ YES ☑ NO **(list temps on exception)**
Were All Container Temps Taken: ☐ YES ☐ NO ☑ N/A
Average Corrected Temp (No Temp Blank Only): _____
☐ See Exceptions form ENV-FRM-MIN4-0142. ☐ 1 Container

USDA Regulated Soil: ☐ N/A – Water Sample/Other (describe): _____

Did Samples originate from one of the following states (check maps): ☐ YES ☑ NO
Circle State: AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, VA

Are samples from a foreign source (international, including Hawaii and Puerto Rico): ☐ YES ☑ NO

NOTE: If YES to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

LOCATION (check one): ☐ DULUTH ☑ MINNEAPOLIS ☐ VIRGINIA	YES	NO	N/A	COMMENT(S)
Chain of Custody Present and Filled Out? **(i.e., Analysis/ID/Date/Time)**	☑	☐		1.
Chain of Custody Relinquished?	☑	☐		2.
Sampler Name and/or Signature on COC?	☑	☐	☐	3.
Samples Arrived within Hold Time? If Fecal: ☐ <8 hrs ☐ >8 hr but <24 hr ☐ >24 hr	☑	☐		4.
Short Hold Time Analysis (<72 hr)?	☐	☑		5. ☐ BOD / cBOD ☐ Fecal coliform ☐ Hex Chrom ☐ HPC ☐ Nitrate ☐ Nitrite ☐ Ortho Phos ☐ Total coliform/*E. coli* ☐ Turbidity ☐ Other: _____
Rush Turn Around Time Requested?	☐	☑		6. ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 5 Day Due Date: _____
Sufficient Sample Volume? **(If NO, list approximate volume in section 7.)**	☑	☐		7.
Correct Containers Used? – Pace Containers Used?	☑ ☑	☐ ☐	☐	8.
Containers Intact?	☑	☐		9.
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☑	10. Is sediment visible in the dissolved container: ☐ YES ☐ NO
ID/Date/Time Match? **(If NO, fill out section 11.)** Matrix: ☐ Oil ☑ Soil ☐ Water ☐ Other	☑	☐	☐	11. ☐ See Exceptions form ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☐	☐	☑	12.
Sample #: ☐ HNO3 _____ ☐ H2SO4 _____ ☐ NaOH _____ ☐ Zinc Acetate _____ **pH Paper Lot #:** ☐ Residual Chlorine _____ ☐ 0-6 Roll _____ ☐ 0-6 Strip _____ ☐ 0-14 Strip _____ **Positive for Residual Chlorine (NaOH containers only):** ☐ YES ☐ NO				
Preserved containers in compliance with EPA recommendations? (HNO3, H2SO4, < 2 pH, NaOH > 9 Sulfide, NaOH > 10 Cyanide) **EXCECTIONS (water only):** VOA, Coliform, TOC/DOC, Oil & Grease, Phenols, DRO/8015, Dioxins, and PFAS	☐ ☑	☐ ☐	☑ ☐	☐ See Exceptions form ENV-FRM-MIN4-0142
Extra labels present on soil VOA or WIDRO containers? **(soil only)**	☑	☐	☐	13.
Headspace in Methyl Mercury Container?	☐	☐	☑	14.
Headspace in VOA Vials (greater than 6mm)?	☐	☐	☑	☐ See Exceptions form ENV-FRM-MIN4-0140
Trip Blanks Present?	☑	☐	☐	15. 4x VOA
Trip Blank Custody Seals Present?	☑	☐	☐	Pace Trip Blank Lot # (if purchased): 080525

CLIENT NOTIFICATION / RESOLUTION: **Labeled By:** DW **Line:** 2

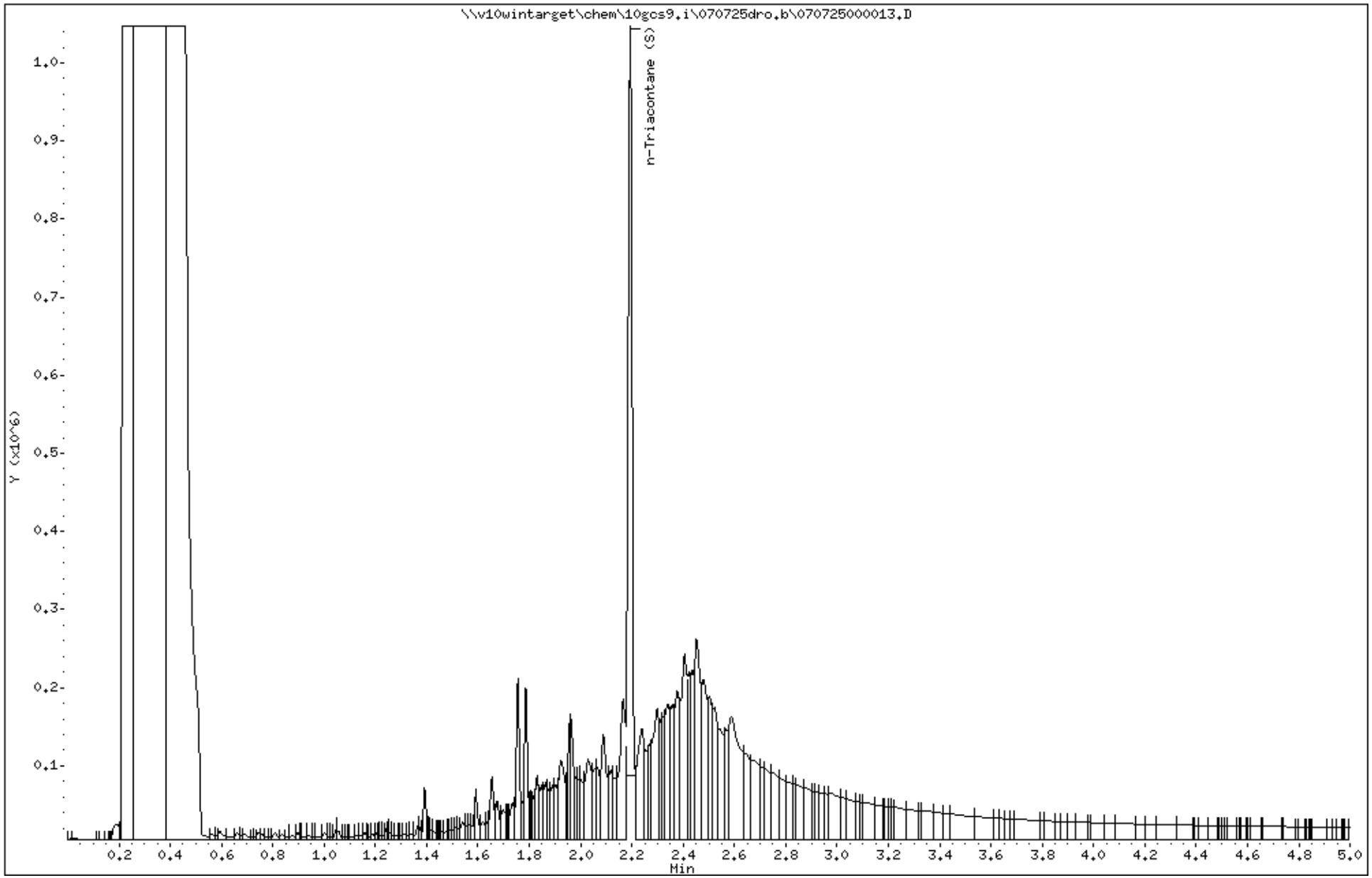
Dioxin analysis logged separately.

Person Contacted & Date/Time: _____ **PM Review & Date:** 7/2/25

***NOTE:** When there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEQ Certification Office.*

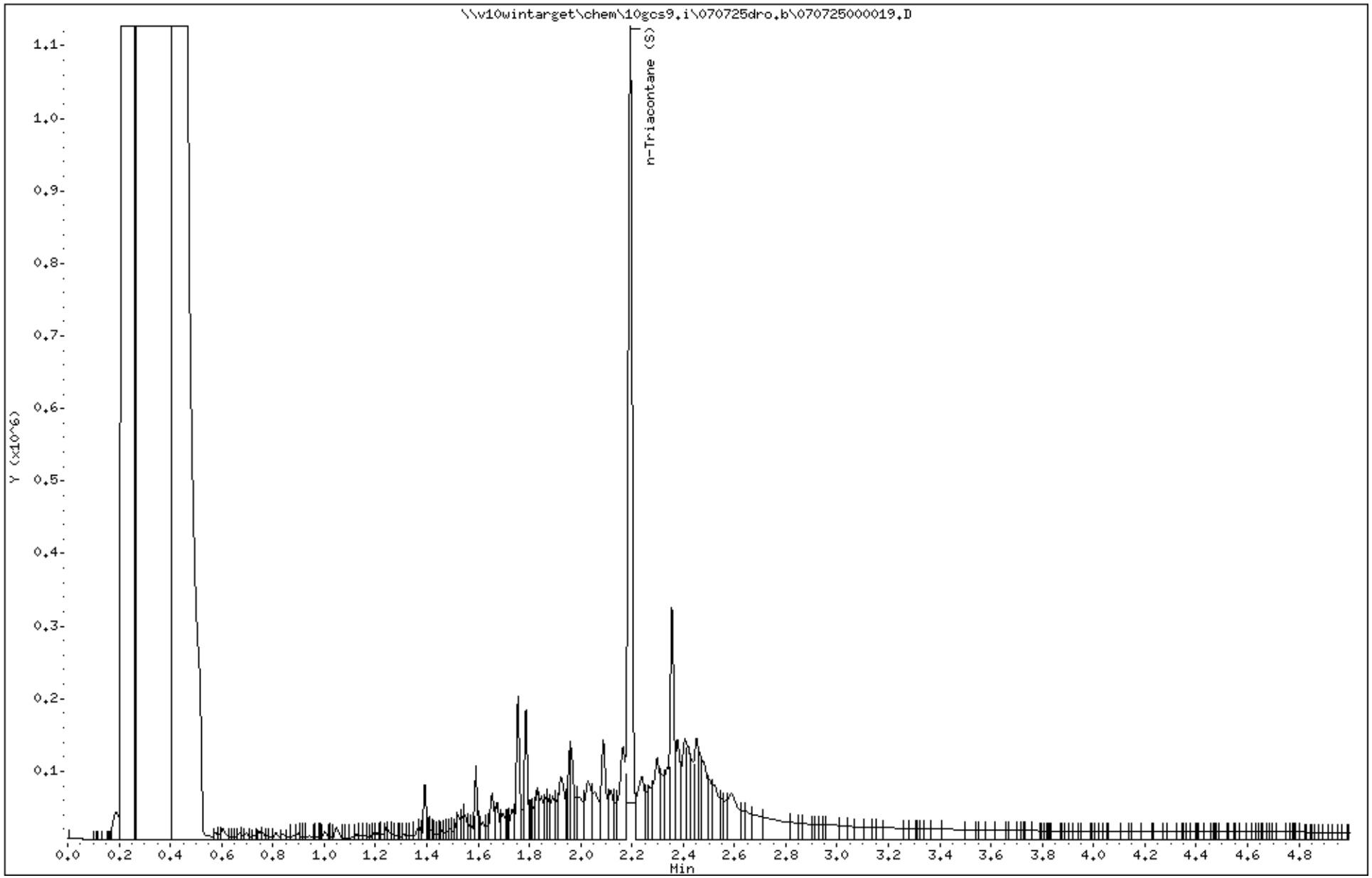
Data File: \\v10wintarget\chem\10gcs9.i\070725dro.b\070725000013.D
Date : 07-JUL-2025 09:57
Client ID: 2025-GS-1_0-4
Sample Info: 10740890001
Volume Injected (uL): 1.0
Column phase: DB-5-US24450016

Instrument: 10gcs9.i
Operator: ARA
Column diameter: 0.32



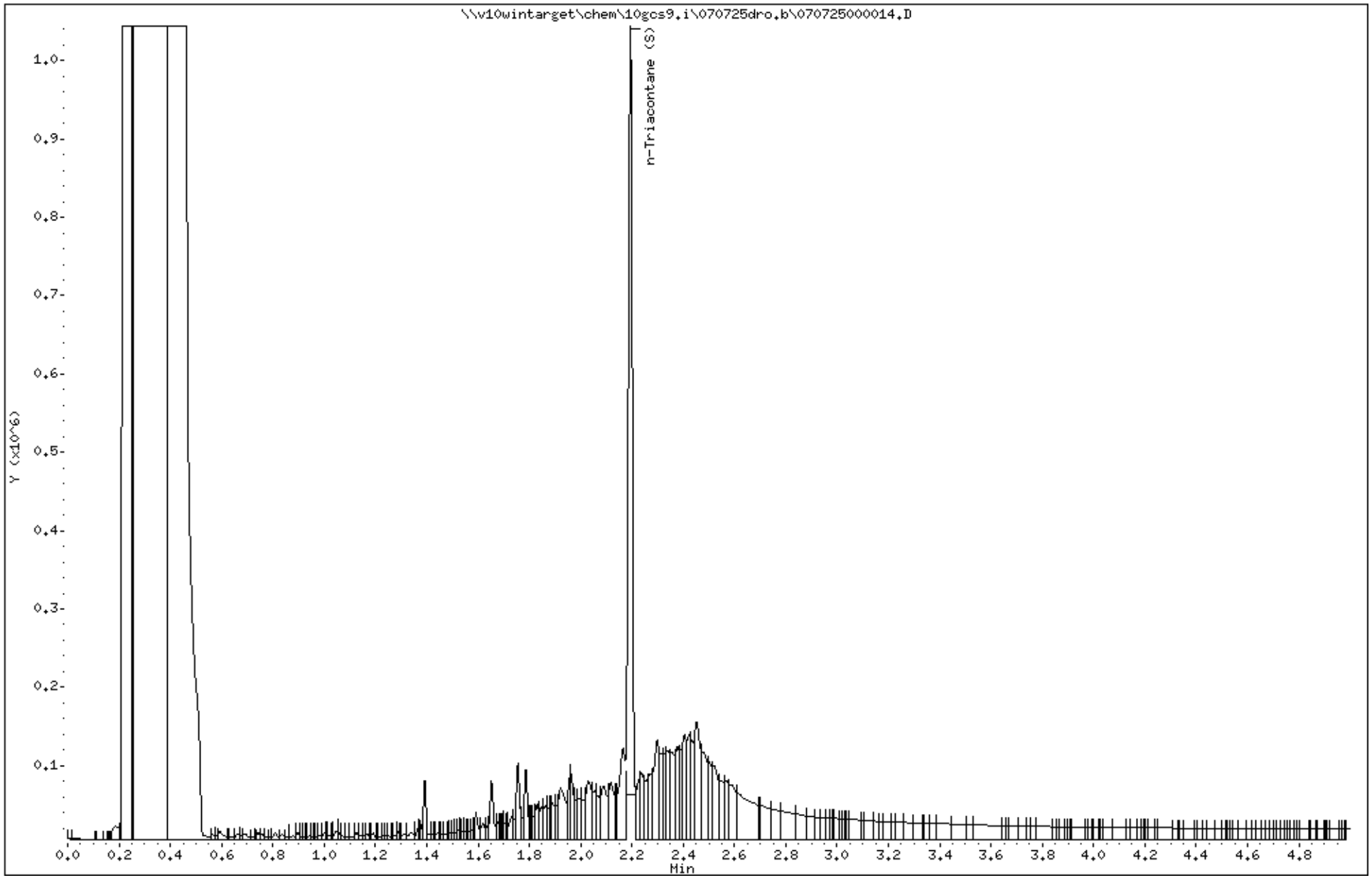
Data File: \\v10wintarget\chem\10gcs9.i\070725dro.b\070725000019.D
Date : 07-JUL-2025 10:39
Client ID: 2025-GS-2_0-4
Sample Info: 10740890002
Volume Injected (uL): 1.0
Column phase: DB-5-US24450016

Instrument: 10gcs9.i
Operator: ARA
Column diameter: 0.32



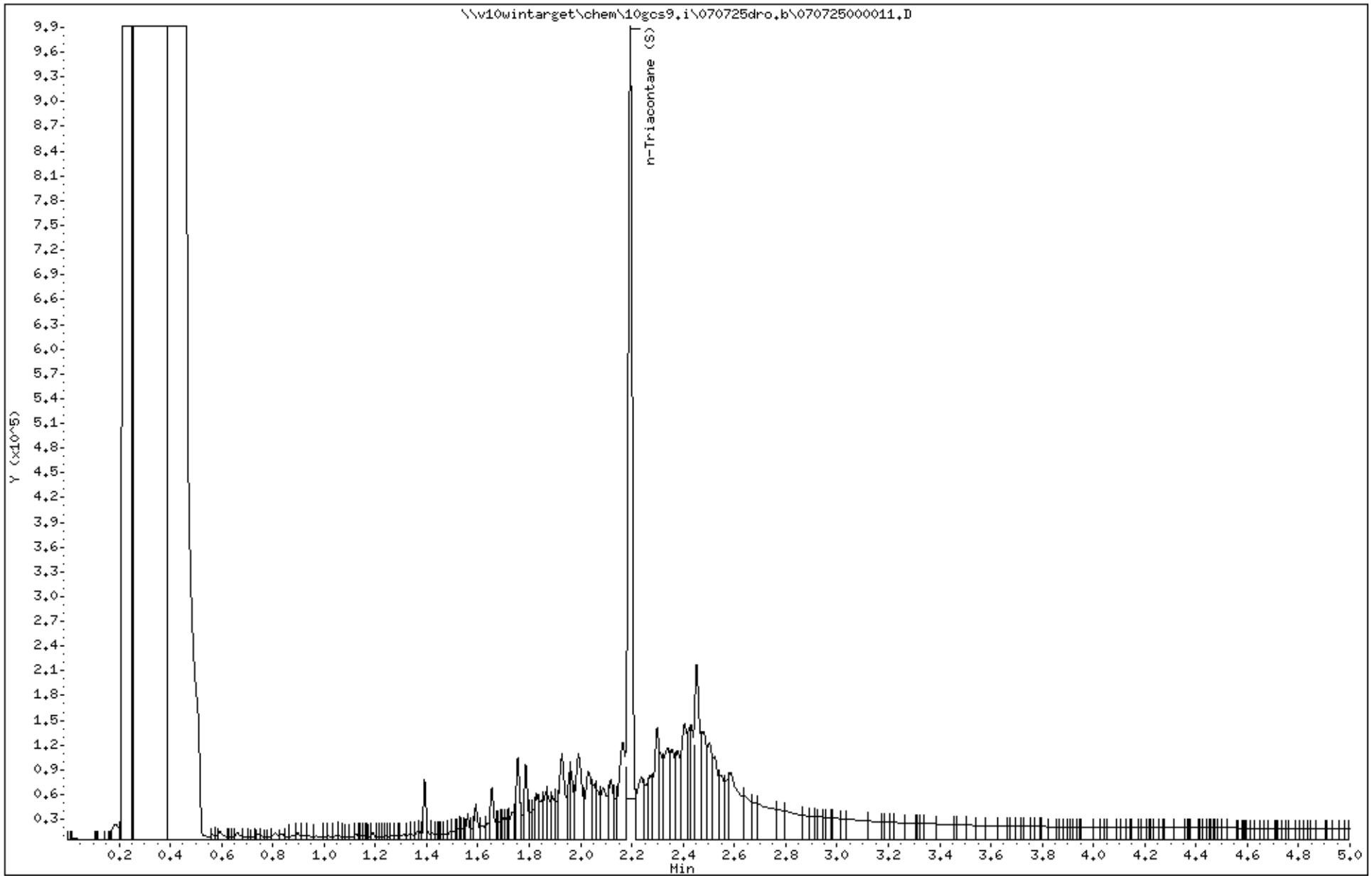
Data File: \\v10wintarget\chem\10gcs9.i\070725dro.b\070725000014.D
Date : 07-JUL-2025 10:04
Client ID: 2025-GS-3_0-4
Sample Info: 10740890003
Volume Injected (uL): 1.0
Column phase: DB-5-US24450016

Instrument: 10gcs9.i
Operator: ARA
Column diameter: 0.32

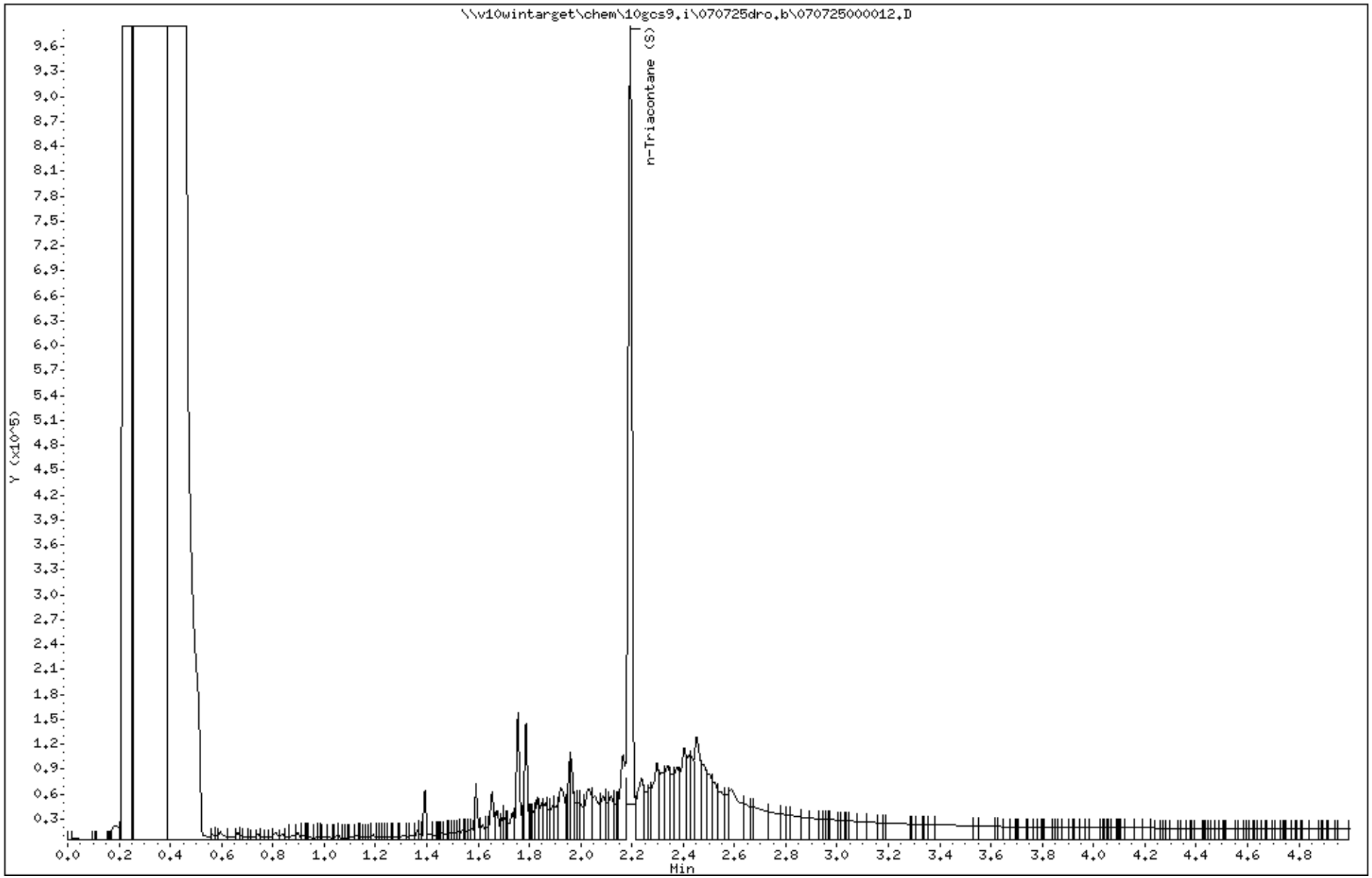


Data File: \\v10wintarget\chem\10gcs9.i\070725dro.b\070725000011.D
Date : 07-JUL-2025 09:43
Client ID: 2025-GS-4_0-4
Sample Info: 10740890004
Volume Injected (uL): 1.0
Column phase: DB-5-US24450016

Instrument: 10gcs9.i
Operator: ARA
Column diameter: 0.32

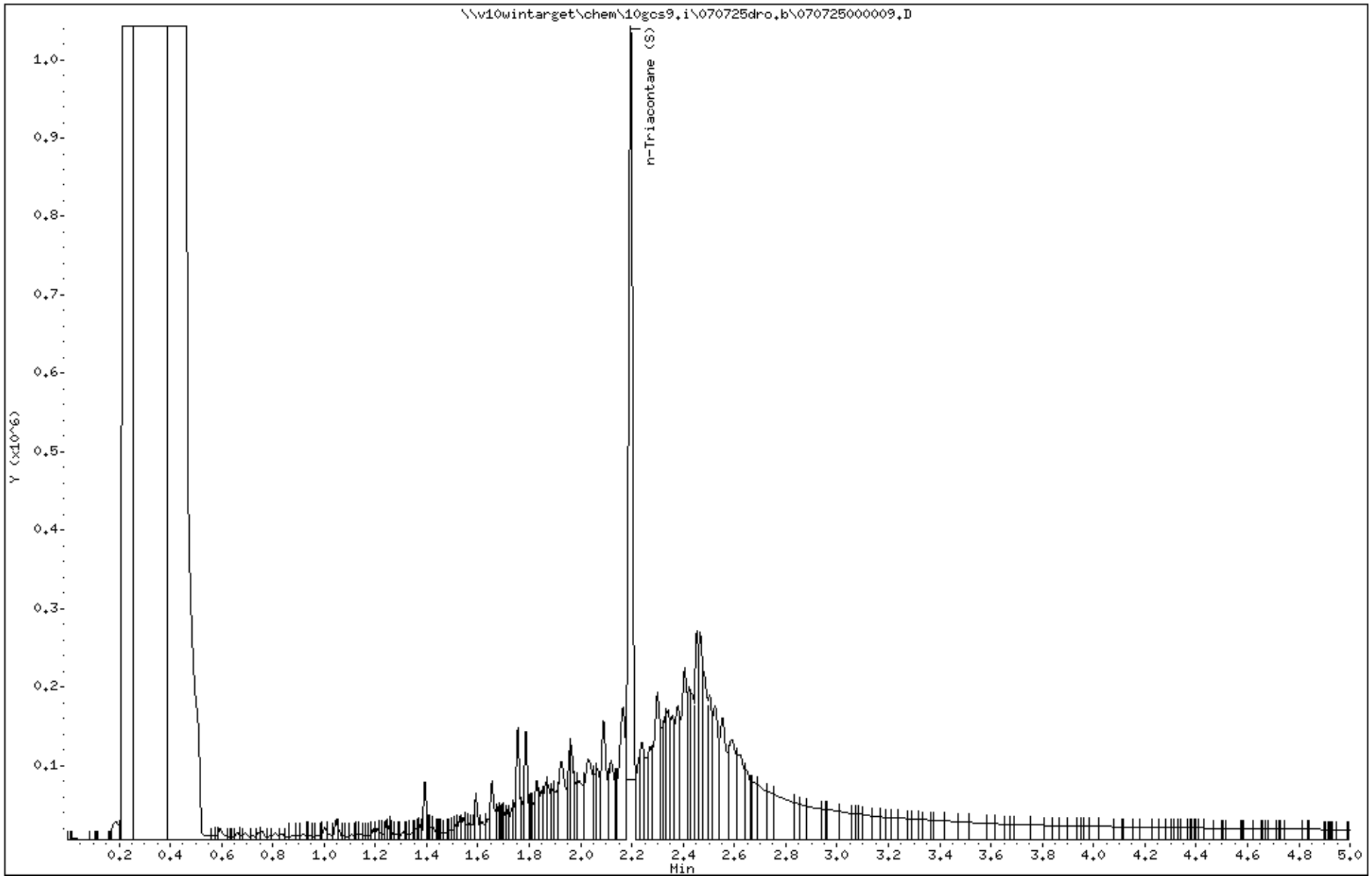


Data File: \\v10wintarget\chem\10gcs9.i\070725dro.b\070725000012.D
Date : 07-JUL-2025 09:50
Client ID: 2025-GS-5_0-4
Instrument: 10gcs9.i
Sample Info: 10740890005
Volume Injected (uL): 1.0
Operator: ARA
Column phase: DB-5-US24450016
Column diameter: 0.32



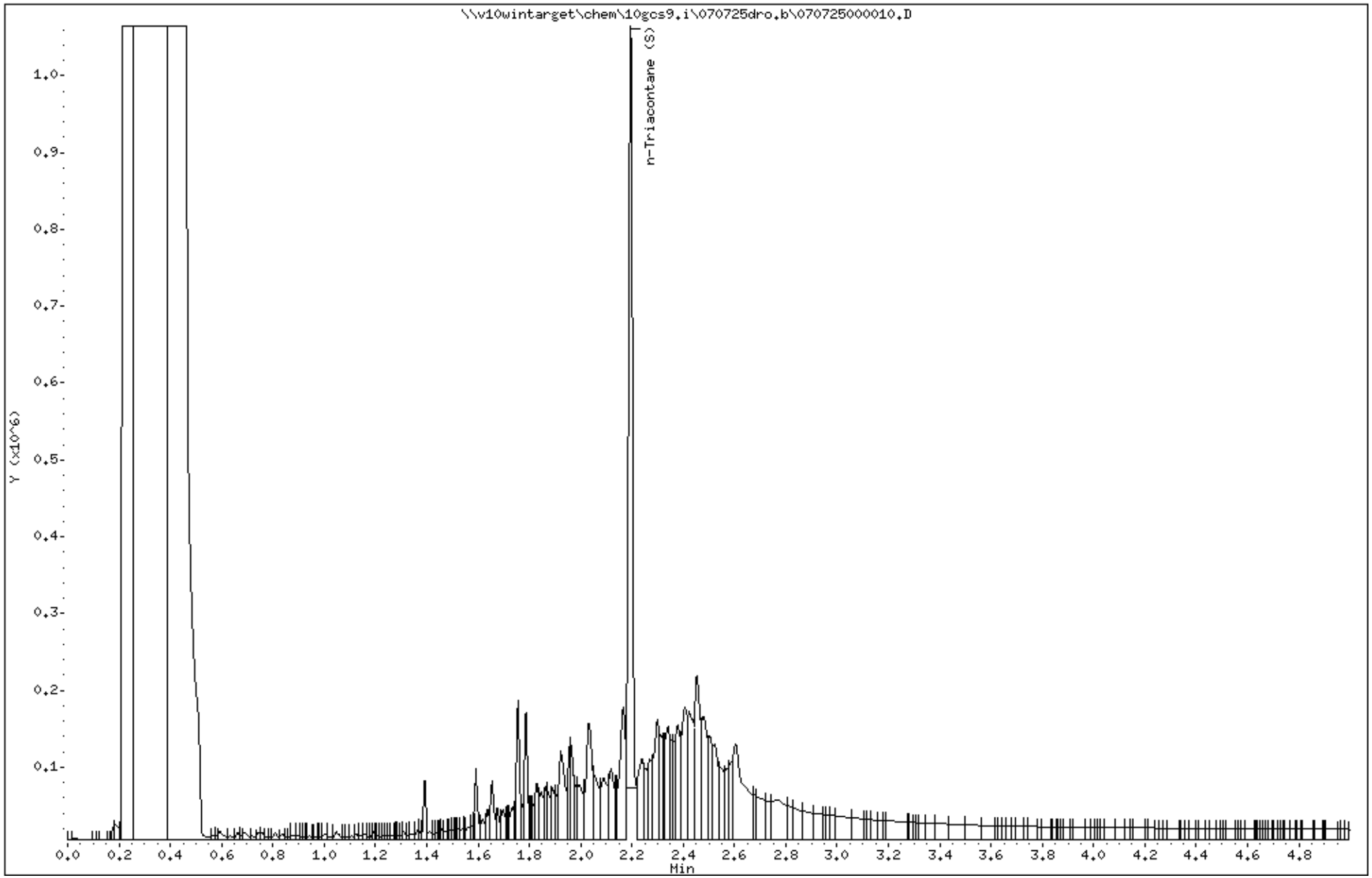
Data File: \\v10wintarget\chem\10gcs9.i\070725dro.b\070725000009.D
Date : 07-JUL-2025 09:29
Client ID: 2025-GS-6_0-4
Sample Info: 10740890006
Volume Injected (uL): 1.0
Column phase: DB-5-US24450016

Instrument: 10gcs9.i
Operator: ARA
Column diameter: 0.32



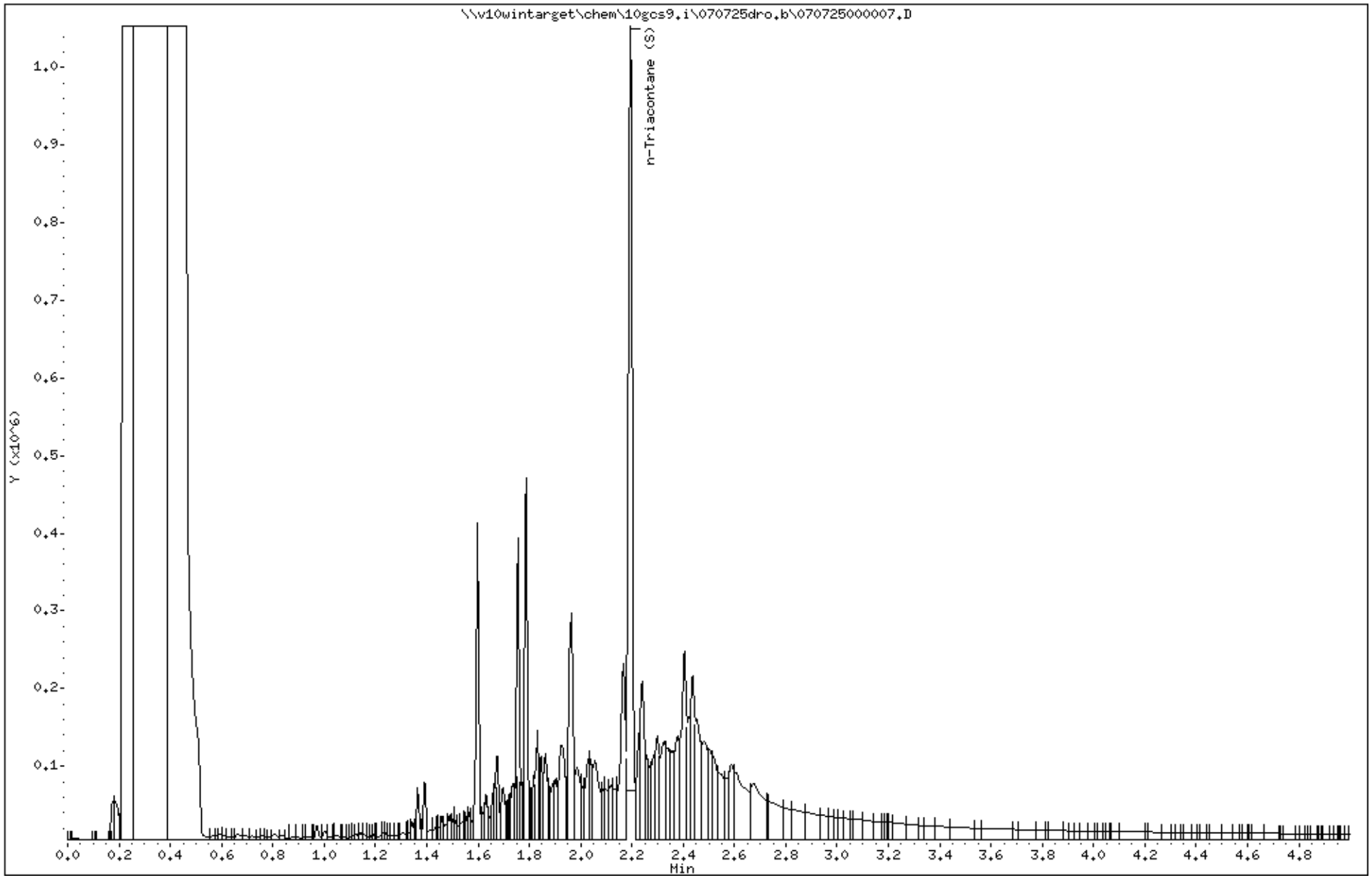
Data File: \\v10wintarget\chem\10gcs9.i\070725dro.b\070725000010.D
Date : 07-JUL-2025 09:36
Client ID: 2025-GS-7_0-4
Sample Info: 10740890007
Volume Injected (uL): 1.0
Column phase: DB-5-US24450016

Instrument: 10gcs9.i
Operator: ARA
Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\070725dro.b\070725000007.D
Date : 07-JUL-2025 09:16
Client ID: 2025-GS-8_0-4
Sample Info: 10740890008
Volume Injected (uL): 1.0
Column phase: DB-5-US24450016

Instrument: 10gcs9.i
Operator: ARA
Column diameter: 0.32



Pace Analytical Services, LLC.
1700 Elm Street
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Fax: 612.607.6444

www.pacelabs.com

Report Prepared for:

Shawn Hayes
Barr Engineering
225 E 16th Ave
Floor 5, Suite 500
Denver CO 80203

REPORT OF LABORATORY ANALYSIS FOR PCDD/PCDF

Report Prepared Date:
July 15, 2025

Report Information:

Pace Project #: 10740891
Sample Receipt Date: 07/01/2025
Client Project #: 23271044.05/2025/700 Excelsior
Client Sub PO #: N/A
State Cert #: 027-053-137

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 PCDD/PCDF Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to KirstenJohnson, your Pace Project Manager.

This report has been reviewed by:

July 15, 2025

KirstenJohnson, Project Manager
(612) 607-6407
(612) 607-6444 (fax)
kirsten.johnson@pacelabs.com

Report of Laboratory Analysis

Pace Analytical Services, LLC.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

DISCUSSION

This report presents the results from the analyses performed on eight samples submitted by a representative of Barr Engineering. The samples were analyzed for the presence or absence of polychlorodibenzo-p-dioxins (PCDDs) and polychlorodibenzofurans (PCDFs) using a modified version of USEPA Method 8290A. The estimated detection limits (EDLs) were based on signal-to-noise measurements. Estimated maximum possible concentration (EMPC) values were treated as positives in the toxic equivalence calculations.

Second column confirmation analyses of 2,3,7,8-TCDF values obtained from the primary (DB5-MS) column are performed only when specifically requested for a project and only when the values are above the concentration of the lowest calibration standard. Typical resolution for this isomer using the DB5-MS column ranges from 25-30%.

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extracts ranged from 25-69%. Except for eighteen values, which were flagged "R" on the results tables, the labeled internal standard recoveries obtained for this project were within the 40-135% target range specified in Method 8290A. Also, since the quantification of the native 2,3,7,8-substituted congeners was based on isotope dilution, the data were automatically corrected for variation in recovery and accurate values were obtained.

Values were flagged "I" where incorrect isotope ratios were obtained or "P" where polychlorinated diphenyl ethers were present. Concentrations below the calibration range were flagged "J" and should be regarded as estimates.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show the blank to contain trace levels of selected congeners. These levels were below the calibration range of the method. Sample concentrations similar to the corresponding blank levels were flagged "B" on the results tables and may be, at least partially, attributed to the background.

A laboratory spike sample was also prepared using clean reference matrix that had been fortified with native standard materials. The results show that the spiked native compounds were recovered at 82-101%. These results were within the target ranges for the method. Matrix spikes were prepared with the extraction batch using sample material from a separate project; results from these analyses will be provided upon request.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street SE
Minneapolis, MN 55414
Phone: 612.607.1700
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www.pacelabs.com

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
		Missouri	10100
		Montana	CERT0092
A2LA	2926.01	Nebraska	NE-OS-18-06
Alabama	40770	Nevada	MN00064
Alaska-DW	MN00064	New Hampshire	2081
Alaska-UST	17-009	New Jersey	MN002
Arizona	AZ0014	New York	11647
Arkansas - WW	88-0680	North Carolina-DW	27700
Arkansas-DW	MN00064	North Carolina-WW	530
California	2929	North Dakota	R-036
Colorado	MN00064	Ohio-DW	41244
Connecticut	PH-0256	Ohio-VAP (1700)	CL101
Florida	E87605	Ohio-VAP (1800)	CL110
Georgia	959	Oklahoma	9507
Idaho	MN00064	Oregon-Primary	MN300001
Illinois	200011	Oregon-Secondary	MN200001
Indiana	C-MN-01	Pennsylvania	68-00563
Iowa	368	Puerto Rico	MN00064
Kansas	E-10167	South Carolina	74003
Kentucky-DW	90062	Tennessee	TN02818
Kentucky-WW	90062	Texas	T104704192
Louisiana-DEQ	AI-84596	Utah	MN00064
Louisiana-DW	MN00064	Vermont	VT-027053137
Maine	MN00064	Virginia	460163
Maryland	322	Washington	C486
Michigan	9909	West Virginia-DEP	382
Minnesota	027-053-137	West Virginia-DW	9952C
Minnesota-Ag	via MN 027-053-137	Wisconsin	999407970
Minnesota-Petrofund	1240	Wyoming-UST	via A2LA 2926.01
Mississippi	MN00064		

REPORT OF LABORATORY ANALYSIS

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Appendix A

Sample Management

REPORT OF LABORATORY ANALYSIS

WO# : 10740891

10740891

BARR. Barr Engineeri

Sample Origination State: ☐ CO ☐ MI ☒ MN ☐ MO ☐ ND

Report No.....10740891_SW8290AFC_L2_dlf

REPORT TO	INVOICE TO
Company: Barr Engineering co.	Company:
Address: 4300 MarketPointe Dr. Suite 200	Address:
Address: Minneapolis, MN 55435	Address: SAME
Name: Shawn Hayes	Name:
email: shayes@barr.com	email:
Copy to: BarrDM@barr.com	P.O.
Project Name: Excelsior Garden Sampling	Barr Project No: 23271048.05/2025/700

COC Number: No 599177

COC 1 of 2

Location	Sample Depth Start	Stop	Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Code	Perform MS/MSD Y / N	Total Number Of Containers	Analysis Requested: 6010D/7471B Priority Pollutants (Soil)	8270E MSSV Microwave (Soil)	Dioxin/Furans (Soil)	WIDRO GCMS (Soil)	8260D MSV 5030 Med Level (Soil)	WIGRO GCV (Soil)	% Solids (Soil)
									A	A	A	A	F	F	A
									N	N	N	N	N	N	N
1. 2025-GS-1	0	4	ft	6/30/2025	10:30	S	N	6	1	1	1	2		4	1
2. 2025-GS-2					11:40		N	6	1	1	1	2			1
3. 2025-GS-3					12:30		N	6	1	1	1	2			1
4. 2025-GS-4					14:15		N	6	1	1	1	2			1
5. 2025-GS-5					15:20		N	6	1	1	1	2			1
6. 2025-GS-6				7/1/2025	09:30		N	6	1	1	1	2			1
7. 2025-GS-7					10:30		N	6	1	1	1	2			1
8. 2025-GS-8					12:00		N	6	1	1	1	2			1
9. 2025-GS-1C	2	3	ft	6/30/2025	10:45		N	4					2	2	
10. 2025-GS-2D	3	4	↓	↓	11:55	↓	N	4					2	2	

Matrix Code:		Preservative Code:	
GW	Groundwater	A	None
SW	Surface Water	B	HCl
DW	Drinking Water	C	HNO_3
PW	Pore Water	D	H_2SO_4
WW	Waste Water	E	NaOH
WQ	TB, FB, EB, etc.	F	MeOH
W	Unspecified	G	$NaHSO_4$
S	Soil/Solid	H	$Na_2S_2O_3$
SD	Sediment	I	Ascorbic Acid
SQ	MeOH blank	J	Zn Acetate
OTH	Other (Oil, etc.)	K	Other

Preservative Code

Field Filtered Y/N

001 002 003 004 005 006 007 008

4.2/5.3/4.3

BARR USE ONLY

Sampled by: SAS2

Barr Proj. Manager: KAE

Barr DQ Manager: Shawn Hayes

Lab Name: Pace

Lab Location: Minneapolis

Relinquished by: [signature] On Ice? (Y) N Date 7/1/25 Time 13:30

Relinquished by: [signature] On Ice? (Y) N Date 7/1/25 Time 14:05

Received by: [signature] Date 7/1/25 Time 1402

Received by: Date Time

Samples Shipped VIA: ☐ Ground Courier ☐ Air Carrier ☐ Sampler ☐ Other:

Air Bill Number:

Lab WO: Temperature on Receipt (°C): 4.2 Custody Seal Intact? ☐ Y ☐ N ☐ None

Requested Due Date: ☒ Standard Turn Around Time ☐ Rush (mm/dd/yyyy)

Distribution - White-Original: Accompanies Shipment to Laboratory; **Yellow Copy:** Include in Field Documents; **Scan and email:** a copy to BarrDM@barr.com for tracking and filing procedures

H:\AAN\Chain of Custody Form 2024 Rev. 04/12/2024

BARR. Barr Engineering Co. Chain of Custody

Report No.....10740891_SW8290AFC_L2_dfr

Sample Origination State
☐ CO ☐ MI ☒ MN ☐ MO ☐ ND ☐ NV ☐ TX ☐ UT ☐ WI ☐ WY ☐ Other: _____

COC Number: **№ 599176**
COC 2 of 2

REPORT TO	INVOICE TO
Company: Barr Engineering Co.	Company:
Address: 4300 MarketPointe Dr. Suite 200	Address:
Address: Minneapolis, MN 55435	Address:
Name: Shawn Hayes	Name:
email: shayes@barr.com	email:
Copy to: BarrDM@barr.com	P.O.
Project Name: Excelsior Garden Sampling	Barr Project No: 23271044.05 / 2025 / 700

SAME

Matrix Code:
GW = Groundwater; SW = Surface Water; DW = Drinking Water; PW = Pore Water; WW = Waste Water; WQ = TB, FB, EB, etc.; W = Unspecified; S = Soil/Solid; SD = Sediment; SQ = MeOH blank; OTH = Other (Oil, etc.)

Preservative Code:
A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; I = Ascorbic Acid; J = Zn Acetate; K = Other

№	Location	Sample Depth Start	Stop	Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Code	Perform MS/MSD Y / N	Total Number Of Containers	Analysis Requested: Water	Soil: 8260D msv 5030 med Level	Soil: WIGRO GCV	Soil: 8260D TB	Soil: WIGRO TB	% Solids
	Preservative Code										N	N	N	N	
	Field Filtered Y/N										F	F	F	F	
1.	2025-GS-3C	3	4	ft	6/30/2025	12:00	S	N	4		2	2			
2.	2025-GS-4C	3	4	ft	6/30/2025	14:10		N	4		2	2			
3.	2025-GS-5D	3	4	ft	↓	15:10		N	4		2	2			
4.	2025-GS-6C	3	4	ft	7/1/2025	09:20		N	4		2	2			
5.	2025-GS-7B	2	3	ft	↓	10:00		N	4		2	2			
6.	2025-GS-8D	3	4		↓	11:45	↓	N	4		2	2			
7.	TB-1	—	—	—	6/30/2025	—	SQ	N	4				2	2	
8.															
9.															
10.															

BARR USE ONLY
Sampled by: SAS 2
Barr Proj. Manager: SA KAE
Barr DQ Manager: Shawn Hayes
Lab Name: Pace
Lab Location: Minneapolis

Relinquished by: _____ On Ice? (Y) N Date 7/1/2025 Time 13:30 Received by: _____ Date 7/1/25 Time 1402
Relinquished by: _____ On Ice? (Y) N Date 7/1/25 Time 14:05 Received by: _____ Date _____ Time _____

Samples Shipped VIA: ☐ Ground Courier ☐ Air Carrier ☐ Sampler ☐ Other: _____
Air Bill Number:
Lab WO: Temperature on Receipt (°C): 4.2 Custody Seal Intact? ☐ Y ☐ N ☐ None

Requested Due Date:
☒ Standard Turn Around Time
☐ Rush _____ (mm/dd/yyyy)

Distribution - White-Original: Accompanies Shipment to Laboratory; **Yellow Copy:** Include in Field Documents; **Scan and email:** a copy to BarrDM@barr.com for tracking and filing procedures

H:\AAN\Chain of Custody Form 2024 Rev. 04/12/2024

ENV-FRM-MIN4-0150 v19_Sample Condition Upon Receipt

Person Examining & Date: DW 7/2/25 **PROJECT #:** **WO#: 10740891**

PM: MKH **Due Date: 07/17/25**

CLIENT: BARR

Client Name: BARR

Custody Seal Present: ☐ YES ☑ NO **Seals Intact:** ☐ YES ☑ NO

Tracking Number: ☐ See Exceptions form ENV-FRM-MIN4-0142.

Courier: ☑ Client ☐ Commercial ☐ FedEx ☐ Pace Courier/Field ☐ SpeeDee ☐ UPS ☐ USPS

Packing Material: ☑ Bubble Bags ☐ Bubble Wrap ☐ None ☐ Other: _____ **Biological Tissue Frozen:** ☐ YES ☑ NO

Thermometer: ☐ T1 (0461) ☐ T2 (0431) ☐ T3 (0459) ☐ T4 (0402) **Type of Ice:** ☐ Blue ☐ Dry ☑ Wet ☐ Melted ☐ None
☐ T5 (0187) ☐ T6 (0396) ☐ T7 (0377) ☐ T8 (0775)
☑ T9 (0428) ☐ 01339252 (0710) **Temp Blank:** ☑ YES ☐ NO

***NOTE:** Temp should be ≤ 6°C, but above freezing.*
Read Temp w/Temp Blank: 4.0, 5.1, 4.1 °C
Correction Factor: +0.2
Corrected Temp w/Temp Blank: 4.2, 5.3, 4.3 °C

Did Samples Originate in West Virginia: ☐ YES ☑ NO **(list temps on exception)**
Were All Container Temps Taken: ☐ YES ☐ NO ☑ N/A
Average Corrected Temp (No Temp Blank Only): _____
☐ See Exceptions form ENV-FRM-MIN4-0142. ☐ 1 Container

USDA Regulated Soil: ☐ N/A – Water Sample/Other (describe): _____
Did Samples originate from one of the following states (check maps): ☐ YES ☑ NO
Circle State: AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, VA
Are samples from a foreign source (international, including Hawaii and Puerto Rico): ☐ YES ☑ NO

NOTE: If YES to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

LOCATION (check one): ☐ DULUTH ☑ MINNEAPOLIS ☐ VIRGINIA	YES	NO	N/A	COMMENT(S)
Chain of Custody Present and Filled Out? **(i.e., Analysis/ID/Date/Time)**	☑	☐		1.
Chain of Custody Relinquished?	☑	☐		2.
Sampler Name and/or Signature on COC?	☑	☐	☐	3.
Samples Arrived within Hold Time? If Fecal: ☐ <8 hrs ☐ >8 hr but <24 hr ☐ >24 hr	☑	☐		4.
Short Hold Time Analysis (<72 hr)?	☐	☑		5. ☐ BOD / cBOD ☐ Fecal coliform ☐ Hex Chrom ☐ HPC ☐ Nitrate ☐ Nitrite ☐ Ortho Phos ☐ Total coliform/*E. coli* ☐ Turbidity ☐ Other: _____
Rush Turn Around Time Requested?	☐	☑		6. ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 5 Day Due Date: _____
Sufficient Sample Volume? **(If NO, list approximate volume in section 7.)**	☑	☐		7.
Correct Containers Used? – Pace Containers Used?	☑ ☑	☐ ☐	☐	8.
Containers Intact?	☑	☐		9.
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☑	10. Is sediment visible in the dissolved container: ☐ YES ☐ NO
ID/Date/Time Match? **(If NO, fill out section 11.)** Matrix: ☐ Oil ☑ Soil ☐ Water ☐ Other	☑	☐	☐	11. ☐ See Exceptions form ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☐	☐	☑	12.
Sample #: ☐ HNO3 _____ ☐ H2SO4 _____ ☐ NaOH _____ ☐ Zinc Acetate _____ **pH Paper Lot #:** ☐ Residual Chlorine _____ ☐ 0-6 Roll _____ ☐ 0-6 Strip _____ ☐ 0-14 Strip _____ **Positive for Residual Chlorine (NaOH containers only):** ☐ YES ☐ NO				
Preserved containers in compliance with EPA recommendations? (HNO3, H2SO4, < 2 pH, NaOH > 9 Sulfide, NaOH > 10 Cyanide) **EXCECTIONS (water only):** VOA, Coliform, TOC/DOC, Oil & Grease, Phenols, DRO/8015, Dioxins, and PFAS	☐ ☑	☐ ☐	☑ ☐	☐ See Exceptions form ENV-FRM-MIN4-0142
Extra labels present on soil VOA or WIDRO containers? **(soil only)**	☑	☐	☐	13.
Headspace in Methyl Mercury Container?	☐	☐	☑	14.
Headspace in VOA Vials (greater than 6mm)?	☐	☐	☑	☐ See Exceptions form ENV-FRM-MIN4-0140
Trip Blanks Present?	☑	☐	☐	15. 4x VOA
Trip Blank Custody Seals Present?	☑	☐	☐	Pace Trip Blank Lot # (if purchased): 080525

CLIENT NOTIFICATION / RESOLUTION: **Labeled By:** JZW **Line:** 2

Person Contacted & Date/Time: _____ **PM Review & Date:** Olivia Mineer 7/2/25

***NOTE:** When there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEQ Certification Office.*

Pace Analytical Services, LLC
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Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Reporting Flags

A = Reporting Limit based on signal to noise (EDL)

B = Less than 10x higher than method blank level

C = Result obtained from confirmation analysis

D = Result obtained from analysis of diluted sample

E = Exceeds calibration range

H2 = Extracted outside of holding time

I = Isotope ratio out of specification

J = Estimated value

L = Suppressive interference, analyte may be biased low

Nn = Value obtained from additional analysis

P = PCDE Interference

R = Recovery outside target range

S = Peak saturated

U = Analyte not detected

V = Result verified by confirmation analysis

X = %D Exceeds limits

Y = Calculated using average of daily RFs

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Minneapolis, MN 55414
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Fax: 612.607.6444
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Appendix B

Sample Analysis Summary

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290A Sample Analysis Results

Client - Barr Engineering

Client's Sample ID	2025-GS-1_0-4		
Lab Sample ID	10740891001		
Filename	L250713B_07		
Injected By	JRH		
Total Amount Extracted	14.1 g	Matrix	SOLID
% Moisture	17.0	Dilution	NA
Dry Weight Extracted	11.7 g	Collected	06/30/2025 10:30
ICAL ID	L250710	Received	07/01/2025 14:02
CCal Filename(s)	L250713A_16 & L250713B_16	Extracted	07/07/2025 12:00
Method Blank ID	BLANK-119948	Analyzed	07/13/2025 20:58

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	0.80	-----	0.16	BJ	2,3,7,8-TCDF-13C	2.00	59	
Total TCDF	2.7	-----	0.16	B	2,3,7,8-TCDD-13C	2.00	52	
					1,2,3,7,8-PeCDF-13C	2.00	53	
2,3,7,8-TCDD	ND	-----	0.23		2,3,4,7,8-PeCDF-13C	2.00	52	
Total TCDD	0.94	-----	0.23		1,2,3,7,8-PeCDD-13C	2.00	56	
					1,2,3,4,7,8-HxCDF-13C	2.00	63	
1,2,3,7,8-PeCDF	-----	0.13	0.091	JI	1,2,3,6,7,8-HxCDF-13C	2.00	62	
2,3,4,7,8-PeCDF	0.47	-----	0.071	BJ	2,3,4,6,7,8-HxCDF-13C	2.00	59	
Total PeCDF	4.5	-----	0.091		1,2,3,7,8,9-HxCDF-13C	2.00	52	
					1,2,3,4,7,8-HxCDD-13C	2.00	52	
1,2,3,7,8-PeCDD	0.26	-----	0.088	J	1,2,3,6,7,8-HxCDD-13C	2.00	58	
Total PeCDD	2.4	-----	0.088	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	43	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	38	R
1,2,3,4,7,8-HxCDF	0.38	-----	0.21	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	43	
1,2,3,6,7,8-HxCDF	-----	1.3	0.20	PJ	OCDD-13C	4.00	28	R
2,3,4,6,7,8-HxCDF	0.49	-----	0.21	J				
1,2,3,7,8,9-HxCDF	ND	-----	0.34		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	4.8	-----	0.34		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	0.53	-----	0.22	J	2,3,7,8-TCDD-37Cl4	0.20	54	
1,2,3,6,7,8-HxCDD	1.1	-----	0.20	J				
1,2,3,7,8,9-HxCDD	0.71	-----	0.21	J				
Total HxCDD	10	-----	0.22					
1,2,3,4,6,7,8-HpCDF	5.7	-----	0.46		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	ND	-----	0.83		Equivalence: 1.4 ng/Kg			
Total HpCDF	20	-----	0.83		(Lower-bound - Using 2005 WHO Factors)			
1,2,3,4,6,7,8-HpCDD	28	-----	0.40					
Total HpCDD	50	-----	0.40					
OCDF	22	-----	1.4					
OCDD	300	-----	1.2					

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
J = Estimated value
B = Less than 10x higher than method blank level
R = Recovery outside target range
P = PCDE Interference
I = Isotope ratio out of specification

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
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Method 8290A Sample Analysis Results

Client - Barr Engineering

Client's Sample ID	2025-GS-2_0-4		
Lab Sample ID	10740891002		
Filename	L250713B_08		
Injected By	JRH		
Total Amount Extracted	12.6 g	Matrix	SOLID
% Moisture	17.7	Dilution	NA
Dry Weight Extracted	10.4 g	Collected	06/30/2025 11:40
ICAL ID	L250710	Received	07/01/2025 14:02
CCal Filename(s)	L250713A_16 & L250713B_16	Extracted	07/07/2025 12:00
Method Blank ID	BLANK-119948	Analyzed	07/13/2025 21:45

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	-----	0.90	0.19	JI	2,3,7,8-TCDF-13C	2.00	56
Total TCDF	1.5	-----	0.19	B	2,3,7,8-TCDD-13C	2.00	50
					1,2,3,7,8-PeCDF-13C	2.00	49
2,3,7,8-TCDD	ND	-----	0.21		2,3,4,7,8-PeCDF-13C	2.00	50
Total TCDD	1.1	-----	0.21		1,2,3,7,8-PeCDD-13C	2.00	53
					1,2,3,4,7,8-HxCDF-13C	2.00	62
1,2,3,7,8-PeCDF	ND	-----	0.12		1,2,3,6,7,8-HxCDF-13C	2.00	61
2,3,4,7,8-PeCDF	0.65	-----	0.094	BJ	2,3,4,6,7,8-HxCDF-13C	2.00	56
Total PeCDF	5.7	-----	0.12		1,2,3,7,8,9-HxCDF-13C	2.00	49
					1,2,3,4,7,8-HxCDD-13C	2.00	50
1,2,3,7,8-PeCDD	-----	0.25	0.092	JI	1,2,3,6,7,8-HxCDD-13C	2.00	57
Total PeCDD	4.7	-----	0.092	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	42
					1,2,3,4,7,8,9-HpCDF-13C	2.00	40
1,2,3,4,7,8-HxCDF	0.42	-----	0.14	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	42
1,2,3,6,7,8-HxCDF	-----	0.67	0.13	PJ	OCDD-13C	4.00	29 R
2,3,4,6,7,8-HxCDF	0.42	-----	0.14	J			
1,2,3,7,8,9-HxCDF	ND	-----	0.22		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	4.4	-----	0.22	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	-----	0.47	0.24	JI	2,3,7,8-TCDD-37Cl4	0.20	50
1,2,3,6,7,8-HxCDD	-----	0.81	0.20	JI			
1,2,3,7,8,9-HxCDD	0.79	-----	0.22	J			
Total HxCDD	9.0	-----	0.24				
1,2,3,4,6,7,8-HpCDF	-----	5.0	0.55	I	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.88		Equivalence: 1.3 ng/Kg		
Total HpCDF	12	-----	0.88		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	25	-----	0.35				
Total HpCDD	49	-----	0.35				
OCDF	19	-----	1.2				
OCDD	310	-----	1.2				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
J = Estimated value
B = Less than 10x higher than method blank level
R = Recovery outside target range
P = PCDE Interference
I = Isotope ratio out of specification

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Method 8290A Sample Analysis Results

Client - Barr Engineering

Client's Sample ID	2025-GS-3_0-4		
Lab Sample ID	10740891003		
Filename	L250713B_09		
Injected By	JRH		
Total Amount Extracted	12.4 g	Matrix	SOLID
% Moisture	15.9	Dilution	NA
Dry Weight Extracted	10.4 g	Collected	06/30/2025 12:30
ICAL ID	L250710	Received	07/01/2025 14:02
CCal Filename(s)	L250713A_16 & L250713B_16	Extracted	07/07/2025 12:00
Method Blank ID	BLANK-119948	Analyzed	07/13/2025 22:31

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	0.82	-----	0.18	BJ	2,3,7,8-TCDF-13C	2.00	57	
Total TCDF	1.6	-----	0.18	B	2,3,7,8-TCDD-13C	2.00	50	
					1,2,3,7,8-PeCDF-13C	2.00	51	
2,3,7,8-TCDD	ND	-----	0.26		2,3,4,7,8-PeCDF-13C	2.00	52	
Total TCDD	0.43	-----	0.26	J	1,2,3,7,8-PeCDD-13C	2.00	54	
					1,2,3,4,7,8-HxCDF-13C	2.00	65	
1,2,3,7,8-PeCDF	ND	-----	0.13		1,2,3,6,7,8-HxCDF-13C	2.00	60	
2,3,4,7,8-PeCDF	-----	0.45	0.10	JI	2,3,4,6,7,8-HxCDF-13C	2.00	58	
Total PeCDF	4.9	-----	0.13		1,2,3,7,8,9-HxCDF-13C	2.00	52	
					1,2,3,4,7,8-HxCDD-13C	2.00	50	
1,2,3,7,8-PeCDD	-----	0.25	0.17	JI	1,2,3,6,7,8-HxCDD-13C	2.00	59	
Total PeCDD	ND	-----	0.17		1,2,3,4,6,7,8-HpCDF-13C	2.00	41	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	39	R
1,2,3,4,7,8-HxCDF	0.51	-----	0.27	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	41	
1,2,3,6,7,8-HxCDF	-----	1.2	0.26	PJ	OCDD-13C	4.00	30	R
2,3,4,6,7,8-HxCDF	-----	0.52	0.27	JI				
1,2,3,7,8,9-HxCDF	ND	-----	0.43		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	8.5	-----	0.43		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	-----	0.64	0.17	JI	2,3,7,8-TCDD-37Cl4	0.20	52	
1,2,3,6,7,8-HxCDD	0.98	-----	0.15	J				
1,2,3,7,8,9-HxCDD	0.91	-----	0.16	J				
Total HxCDD	9.4	-----	0.17					
1,2,3,4,6,7,8-HpCDF	7.5	-----	0.63		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	ND	-----	0.95		Equivalence: 1.4 ng/Kg			
Total HpCDF	24	-----	0.95		(Lower-bound - Using 2005 WHO Factors)			
1,2,3,4,6,7,8-HpCDD	-----	30	0.48	I				
Total HpCDD	32	-----	0.48					
OCDF	24	-----	1.2					
OCDD	370	-----	1.9					

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
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NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
J = Estimated value
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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Method 8290A Sample Analysis Results

Client - Barr Engineering

Client's Sample ID	2025-GS-4_0-4		
Lab Sample ID	10740891004		
Filename	L250713B_10		
Injected By	JRH		
Total Amount Extracted	12.5 g	Matrix	SOLID
% Moisture	17.9	Dilution	NA
Dry Weight Extracted	10.3 g	Collected	06/30/2025 14:15
ICAL ID	L250710	Received	07/01/2025 14:02
CCal Filename(s)	L250713A_16 & L250713B_16	Extracted	07/07/2025 12:00
Method Blank ID	BLANK-119948	Analyzed	07/13/2025 23:18

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	0.70	-----	0.29	BJ	2,3,7,8-TCDF-13C	2.00	55	
Total TCDF	1.7	-----	0.29	B	2,3,7,8-TCDD-13C	2.00	48	
					1,2,3,7,8-PeCDF-13C	2.00	46	
2,3,7,8-TCDD	ND	-----	0.33		2,3,4,7,8-PeCDF-13C	2.00	47	
Total TCDD	0.55	-----	0.33	J	1,2,3,7,8-PeCDD-13C	2.00	49	
					1,2,3,4,7,8-HxCDF-13C	2.00	60	
1,2,3,7,8-PeCDF	ND	-----	0.12		1,2,3,6,7,8-HxCDF-13C	2.00	58	
2,3,4,7,8-PeCDF	0.64	-----	0.091	BJ	2,3,4,6,7,8-HxCDF-13C	2.00	54	
Total PeCDF	6.1	-----	0.12		1,2,3,7,8,9-HxCDF-13C	2.00	48	
					1,2,3,4,7,8-HxCDD-13C	2.00	47	
1,2,3,7,8-PeCDD	-----	0.32	0.15	JI	1,2,3,6,7,8-HxCDD-13C	2.00	57	
Total PeCDD	ND	-----	0.15		1,2,3,4,6,7,8-HpCDF-13C	2.00	38	R
					1,2,3,4,7,8,9-HpCDF-13C	2.00	35	R
1,2,3,4,7,8-HxCDF	ND	-----	0.21		1,2,3,4,6,7,8-HpCDD-13C	2.00	38	R
1,2,3,6,7,8-HxCDF	-----	1.6	0.21	PJ	OCDD-13C	4.00	26	R
2,3,4,6,7,8-HxCDF	-----	0.64	0.22	JI				
1,2,3,7,8,9-HxCDF	ND	-----	0.33		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	5.5	-----	0.33		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	-----	0.56	0.18	JI	2,3,7,8-TCDD-37Cl4	0.20	47	
1,2,3,6,7,8-HxCDD	1.5	-----	0.16	J				
1,2,3,7,8,9-HxCDD	1.00	-----	0.17	J				
Total HxCDD	9.9	-----	0.18					
1,2,3,4,6,7,8-HpCDF	9.4	-----	0.83		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	ND	-----	1.5		Equivalence: 1.8 ng/Kg			
Total HpCDF	30	-----	1.5		(Lower-bound - Using 2005 WHO Factors)			
1,2,3,4,6,7,8-HpCDD	45	-----	0.42					
Total HpCDD	87	-----	0.42					
OCDF	38	-----	1.7					
OCDD	560	-----	1.4					

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
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NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
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REPORT OF LABORATORY ANALYSIS

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Method 8290A Sample Analysis Results

Client - Barr Engineering

Client's Sample ID	2025-GS-5_0-4		
Lab Sample ID	10740891005		
Filename	L250713B_11		
Injected By	JRH		
Total Amount Extracted	14.1 g	Matrix	SOLID
% Moisture	19.1	Dilution	NA
Dry Weight Extracted	11.4 g	Collected	06/30/2025 15:20
ICAL ID	L250710	Received	07/01/2025 14:02
CCal Filename(s)	L250713A_16 & L250713B_16	Extracted	07/07/2025 12:00
Method Blank ID	BLANK-119948	Analyzed	07/14/2025 00:04

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	1.0	-----	0.20	B	2,3,7,8-TCDF-13C	2.00	58	
Total TCDF	3.3	-----	0.20	B	2,3,7,8-TCDD-13C	2.00	52	
					1,2,3,7,8-PeCDF-13C	2.00	51	
2,3,7,8-TCDD	ND	-----	0.23		2,3,4,7,8-PeCDF-13C	2.00	53	
Total TCDD	1.1	-----	0.23		1,2,3,7,8-PeCDD-13C	2.00	54	
					1,2,3,4,7,8-HxCDF-13C	2.00	66	
1,2,3,7,8-PeCDF	ND	-----	0.11		1,2,3,6,7,8-HxCDF-13C	2.00	61	
2,3,4,7,8-PeCDF	0.67	-----	0.089	BJ	2,3,4,6,7,8-HxCDF-13C	2.00	58	
Total PeCDF	4.1	-----	0.11	J	1,2,3,7,8,9-HxCDF-13C	2.00	52	
					1,2,3,4,7,8-HxCDD-13C	2.00	50	
1,2,3,7,8-PeCDD	-----	0.19	0.13	JI	1,2,3,6,7,8-HxCDD-13C	2.00	60	
Total PeCDD	1.4	-----	0.13	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	42	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	38	R
1,2,3,4,7,8-HxCDF	0.68	-----	0.41	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	41	
1,2,3,6,7,8-HxCDF	-----	2.9	0.43	PJ	OCDD-13C	4.00	26	R
2,3,4,6,7,8-HxCDF	-----	0.55	0.43	JI				
1,2,3,7,8,9-HxCDF	ND	-----	0.67		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	32	-----	0.67		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	-----	0.62	0.25	JI	2,3,7,8-TCDD-37Cl4	0.20	52	
1,2,3,6,7,8-HxCDD	2.5	-----	0.21	J				
1,2,3,7,8,9-HxCDD	-----	1.1	0.23	JI				
Total HxCDD	16	-----	0.25					
1,2,3,4,6,7,8-HpCDF	29	-----	0.92		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	ND	-----	1.6		Equivalence: 2.7 ng/Kg			
Total HpCDF	160	-----	1.6		(Lower-bound - Using 2005 WHO Factors)			
1,2,3,4,6,7,8-HpCDD	79	-----	0.37					
Total HpCDD	150	-----	0.37					
OCDF	200	-----	1.1					
OCDD	910	-----	1.1					

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
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ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
J = Estimated value
B = Less than 10x higher than method blank level
R = Recovery outside target range
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REPORT OF LABORATORY ANALYSIS

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Method 8290A Sample Analysis Results

Client - Barr Engineering

Client's Sample ID	2025-GS-6_0-4		
Lab Sample ID	10740891006		
Filename	L250713B_12		
Injected By	JRH		
Total Amount Extracted	13.8 g	Matrix	SOLID
% Moisture	20.7	Dilution	NA
Dry Weight Extracted	11.0 g	Collected	07/01/2025 09:30
ICAL ID	L250710	Received	07/01/2025 14:02
CCal Filename(s)	L250713A_16 & L250713B_16	Extracted	07/07/2025 12:00
Method Blank ID	BLANK-119948	Analyzed	07/14/2025 00:50

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	1.1	-----	0.30	B	2,3,7,8-TCDF-13C	2.00	55	
Total TCDF	3.1	-----	0.30	B	2,3,7,8-TCDD-13C	2.00	48	
					1,2,3,7,8-PeCDF-13C	2.00	48	
2,3,7,8-TCDD	ND	-----	0.26		2,3,4,7,8-PeCDF-13C	2.00	50	
Total TCDD	1.2	-----	0.26		1,2,3,7,8-PeCDD-13C	2.00	53	
					1,2,3,4,7,8-HxCDF-13C	2.00	62	
1,2,3,7,8-PeCDF	ND	-----	0.13		1,2,3,6,7,8-HxCDF-13C	2.00	58	
2,3,4,7,8-PeCDF	0.83	-----	0.097	BJ	2,3,4,6,7,8-HxCDF-13C	2.00	56	
Total PeCDF	9.2	-----	0.13		1,2,3,7,8,9-HxCDF-13C	2.00	50	
					1,2,3,4,7,8-HxCDD-13C	2.00	50	
1,2,3,7,8-PeCDD	-----	0.35	0.14	JI	1,2,3,6,7,8-HxCDD-13C	2.00	58	
Total PeCDD	4.3	-----	0.14	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	42	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	37	R
1,2,3,4,7,8-HxCDF	0.85	-----	0.22	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	40	
1,2,3,6,7,8-HxCDF	-----	2.4	0.22	PJ	OCDD-13C	4.00	25	R
2,3,4,6,7,8-HxCDF	-----	0.46	0.21	JI				
1,2,3,7,8,9-HxCDF	ND	-----	0.33		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	17	-----	0.33		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	-----	0.74	0.34	JI	2,3,7,8-TCDD-37Cl4	0.20	48	
1,2,3,6,7,8-HxCDD	-----	1.5	0.28	JI				
1,2,3,7,8,9-HxCDD	-----	1.1	0.30	JI				
Total HxCDD	13	-----	0.34					
1,2,3,4,6,7,8-HpCDF	9.9	-----	0.69		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	ND	-----	1.3		Equivalence: 2.2 ng/Kg			
Total HpCDF	34	-----	1.3		(Lower-bound - Using 2005 WHO Factors)			
1,2,3,4,6,7,8-HpCDD	50	-----	0.58					
Total HpCDD	98	-----	0.58					
OCDF	41	-----	1.4					
OCDD	620	-----	2.0					

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
J = Estimated value
B = Less than 10x higher than method blank level
R = Recovery outside target range
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I = Isotope ratio out of specification

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Method 8290A Sample Analysis Results

Client - Barr Engineering

Client's Sample ID	2025-GS-7_0-4		
Lab Sample ID	10740891007		
Filename	L250713B_13		
Injected By	JRH		
Total Amount Extracted	13.0 g	Matrix	SOLID
% Moisture	16.4	Dilution	NA
Dry Weight Extracted	10.9 g	Collected	07/01/2025 10:30
ICAL ID	L250710	Received	07/01/2025 14:02
CCal Filename(s)	L250713A_16 & L250713B_16	Extracted	07/07/2025 12:00
Method Blank ID	BLANK-119948	Analyzed	07/14/2025 01:37

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	0.95	-----	0.20	B	2,3,7,8-TCDF-13C	2.00	62	
Total TCDF	4.5	-----	0.20	B	2,3,7,8-TCDD-13C	2.00	55	
					1,2,3,7,8-PeCDF-13C	2.00	53	
2,3,7,8-TCDD	ND	-----	0.26		2,3,4,7,8-PeCDF-13C	2.00	54	
Total TCDD	1.4	-----	0.26		1,2,3,7,8-PeCDD-13C	2.00	57	
					1,2,3,4,7,8-HxCDF-13C	2.00	69	
1,2,3,7,8-PeCDF	ND	-----	0.13		1,2,3,6,7,8-HxCDF-13C	2.00	68	
2,3,4,7,8-PeCDF	-----	0.52	0.10	JI	2,3,4,6,7,8-HxCDF-13C	2.00	61	
Total PeCDF	6.3	-----	0.13		1,2,3,7,8,9-HxCDF-13C	2.00	57	
					1,2,3,4,7,8-HxCDD-13C	2.00	57	
1,2,3,7,8-PeCDD	-----	0.26	0.061	JI	1,2,3,6,7,8-HxCDD-13C	2.00	63	
Total PeCDD	6.9	-----	0.061		1,2,3,4,6,7,8-HpCDF-13C	2.00	45	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	38	R
1,2,3,4,7,8-HxCDF	-----	0.38	0.28	JI	1,2,3,4,6,7,8-HpCDD-13C	2.00	42	
1,2,3,6,7,8-HxCDF	-----	1.2	0.27	PJ	OCDD-13C	4.00	27	R
2,3,4,6,7,8-HxCDF	0.76	-----	0.29	J				
1,2,3,7,8,9-HxCDF	ND	-----	0.40		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	12	-----	0.40		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	-----	0.36	0.29	JI	2,3,7,8-TCDD-37Cl4	0.20	54	
1,2,3,6,7,8-HxCDD	1.5	-----	0.24	J				
1,2,3,7,8,9-HxCDD	1.3	-----	0.26	J				
Total HxCDD	18	-----	0.29					
1,2,3,4,6,7,8-HpCDF	9.5	-----	0.57		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	ND	-----	1.1		Equivalence: 1.9 ng/Kg			
Total HpCDF	32	-----	1.1		(Lower-bound - Using 2005 WHO Factors)			
1,2,3,4,6,7,8-HpCDD	52	-----	0.52					
Total HpCDD	100	-----	0.52					
OCDF	42	-----	1.7					
OCDD	720	-----	1.3					

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
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NC = Not Calculated

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J = Estimated value
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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Method 8290A Sample Analysis Results

Client - Barr Engineering

Client's Sample ID	2025-GS-8_0-4		
Lab Sample ID	10740891008		
Filename	L250713B_14		
Injected By	JRH		
Total Amount Extracted	12.5 g	Matrix	SOLID
% Moisture	18.4	Dilution	NA
Dry Weight Extracted	10.2 g	Collected	07/01/2025 12:00
ICAL ID	L250710	Received	07/01/2025 14:02
CCal Filename(s)	L250713A_16 & L250713B_16	Extracted	07/07/2025 12:00
Method Blank ID	BLANK-119948	Analyzed	07/14/2025 02:23

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	-----	0.76	0.28	JI	2,3,7,8-TCDF-13C	2.00	59	
Total TCDF	3.3	-----	0.28	B	2,3,7,8-TCDD-13C	2.00	52	
					1,2,3,7,8-PeCDF-13C	2.00	52	
2,3,7,8-TCDD	ND	-----	0.39		2,3,4,7,8-PeCDF-13C	2.00	53	
Total TCDD	1.00	-----	0.39		1,2,3,7,8-PeCDD-13C	2.00	56	
					1,2,3,4,7,8-HxCDF-13C	2.00	65	
1,2,3,7,8-PeCDF	ND	-----	0.14		1,2,3,6,7,8-HxCDF-13C	2.00	63	
2,3,4,7,8-PeCDF	-----	0.65	0.11	JI	2,3,4,6,7,8-HxCDF-13C	2.00	59	
Total PeCDF	5.8	-----	0.14		1,2,3,7,8,9-HxCDF-13C	2.00	53	
					1,2,3,4,7,8-HxCDD-13C	2.00	50	
1,2,3,7,8-PeCDD	ND	-----	0.15		1,2,3,6,7,8-HxCDD-13C	2.00	62	
Total PeCDD	3.2	-----	0.15	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	41	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	39	R
1,2,3,4,7,8-HxCDF	0.55	-----	0.43	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	40	
1,2,3,6,7,8-HxCDF	-----	1.4	0.44	PJ	OCDD-13C	4.00	26	R
2,3,4,6,7,8-HxCDF	-----	0.48	0.46	JI				
1,2,3,7,8,9-HxCDF	ND	-----	0.75		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	12	-----	0.75		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	0.51	-----	0.24	J	2,3,7,8-TCDD-37Cl4	0.20	54	
1,2,3,6,7,8-HxCDD	-----	1.1	0.20	JI				
1,2,3,7,8,9-HxCDD	1.3	-----	0.21	J				
Total HxCDD	13	-----	0.24					
1,2,3,4,6,7,8-HpCDF	-----	7.5	0.58	I	Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	ND	-----	0.99		Equivalence: 1.5 ng/Kg			
Total HpCDF	21	-----	0.99		(Lower-bound - Using 2005 WHO Factors)			
1,2,3,4,6,7,8-HpCDD	42	-----	0.68					
Total HpCDD	79	-----	0.68					
OCDF	44	-----	1.8					
OCDD	540	-----	1.9					

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
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NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
J = Estimated value
B = Less than 10x higher than method blank level
R = Recovery outside target range
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REPORT OF LABORATORY ANALYSIS

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Method 8290A Blank Analysis Results

Lab Sample Name	DFBLKEF		
Lab Sample ID	BLANK-119948	Matrix	Solid
Filename	L250711B_14	Dilution	NA
Total Amount Extracted	10.8 g	Extracted	07/07/2025 12:00
ICAL ID	L250710	Analyzed	07/11/2025 21:05
CCal Filename(s)	L250711A_16 & L250711B_16	Injected By	JF

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	0.57	-----	0.051	J	2,3,7,8-TCDF-13C	2.00	63	
Total TCDF	0.97	-----	0.051		2,3,7,8-TCDD-13C	2.00	58	
					1,2,3,7,8-PeCDF-13C	2.00	56	
2,3,7,8-TCDD	ND	-----	0.089		2,3,4,7,8-PeCDF-13C	2.00	55	
Total TCDD	ND	-----	0.089		1,2,3,7,8-PeCDD-13C	2.00	56	
					1,2,3,4,7,8-HxCDF-13C	2.00	70	
1,2,3,7,8-PeCDF	-----	0.11	0.059	JI	1,2,3,6,7,8-HxCDF-13C	2.00	66	
2,3,4,7,8-PeCDF	0.098	-----	0.046	J	2,3,4,6,7,8-HxCDF-13C	2.00	66	
Total PeCDF	0.098	-----	0.059	J	1,2,3,7,8,9-HxCDF-13C	2.00	58	
					1,2,3,4,7,8-HxCDD-13C	2.00	61	
1,2,3,7,8-PeCDD	ND	-----	0.045		1,2,3,6,7,8-HxCDD-13C	2.00	66	
Total PeCDD	ND	-----	0.045		1,2,3,4,6,7,8-HpCDF-13C	2.00	52	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	48	
1,2,3,4,7,8-HxCDF	ND	-----	0.044		1,2,3,4,6,7,8-HpCDD-13C	2.00	50	
1,2,3,6,7,8-HxCDF	ND	-----	0.045		OCDD-13C	4.00	33	R
2,3,4,6,7,8-HxCDF	ND	-----	0.044					
1,2,3,7,8,9-HxCDF	-----	0.12	0.073	JI	1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	ND	-----	0.073		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	-----	0.15	0.083	JI	2,3,7,8-TCDD-37Cl4	0.20	52	
1,2,3,6,7,8-HxCDD	ND	-----	0.074					
1,2,3,7,8,9-HxCDD	ND	-----	0.078					
Total HxCDD	ND	-----	0.083					
1,2,3,4,6,7,8-HpCDF	ND	-----	0.099		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	ND	-----	0.17		Equivalence: 0.12 ng/Kg			
Total HpCDF	ND	-----	0.17		(Lower-bound - Using 2005 WHO Factors)			
1,2,3,4,6,7,8-HpCDD	-----	0.16	0.15	JI				
Total HpCDD	ND	-----	0.15					
OCDF	ND	-----	0.24					
OCDD	-----	1.6	0.46	JI				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
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J = Estimated value
R = Recovery outside target range
I = Isotope ratio out of specification

REPORT OF LABORATORY ANALYSIS

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Method 8290A Laboratory Control Spike Results

Lab Sample ID	LCS-119949		
Filename	L250711B_01	Matrix	Solid
Total Amount Extracted	10.3 g	Dilution	NA
ICAL ID	L250710	Extracted	07/07/2025 12:00
CCal Filename(s)	L250711A_16 & L250711B_16	Analyzed	07/11/2025 11:01
Method Blank ID	BLANK-119948	Injected By	JF

Native Isomers	**Qs** (ng)	**Qm** (ng)	% Rec.	**Internal Standards**	**ng's Added**	**Percent Recovery**
2,3,7,8-TCDF	0.20	0.18	90	2,3,7,8-TCDF-13C	2.0	83
				2,3,7,8-TCDD-13C	2.0	73
				1,2,3,7,8-PeCDF-13C	2.0	82
2,3,7,8-TCDD	0.20	0.19	97	2,3,4,7,8-PeCDF-13C	2.0	82
				1,2,3,7,8-PeCDD-13C	2.0	87
				1,2,3,4,7,8-HxCDF-13C	2.0	85
1,2,3,7,8-PeCDF	1.0	0.95	95	1,2,3,6,7,8-HxCDF-13C	2.0	82
2,3,4,7,8-PeCDF	1.0	0.87	87	2,3,4,6,7,8-HxCDF-13C	2.0	79
				1,2,3,7,8,9-HxCDF-13C	2.0	74
				1,2,3,4,7,8-HxCDD-13C	2.0	73
1,2,3,7,8-PeCDD	1.0	0.82	82	1,2,3,6,7,8-HxCDD-13C	2.0	87
				1,2,3,4,6,7,8-HpCDF-13C	2.0	68
				1,2,3,4,7,8,9-HpCDF-13C	2.0	65
1,2,3,4,7,8-HxCDF	1.0	0.88	88	1,2,3,4,6,7,8-HpCDD-13C	2.0	68
1,2,3,6,7,8-HxCDF	1.0	0.90	90	OCDD-13C	4.0	47
2,3,4,6,7,8-HxCDF	1.0	0.92	92			
1,2,3,7,8,9-HxCDF	1.0	0.87	87	1,2,3,4-TCDD-13C	2.0	NA
				1,2,3,7,8,9-HxCDD-13C	2.0	NA
1,2,3,4,7,8-HxCDD	1.0	0.99	99	2,3,7,8-TCDD-37Cl4	0.20	72
1,2,3,6,7,8-HxCDD	1.0	0.86	86			
1,2,3,7,8,9-HxCDD	1.0	0.90	90			
1,2,3,4,6,7,8-HpCDF	1.0	0.92	92			
1,2,3,4,7,8,9-HpCDF	1.0	0.83	83			
1,2,3,4,6,7,8-HpCDD	1.0	0.85	85			
OCDF	2.0	1.9	97			
OCDD	2.0	2.0	101			

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
R = Recovery outside of target range

Y = RF averaging used in calculations
Nn = Value obtained from additional analysis
NA = Not Applicable
* = See Discussion

REPORT OF LABORATORY ANALYSIS