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March 22, 2024
(23-3626)

Ginosko Development
Attn: Mr. Nathan Keup
41800 W. 11 Mile Road, Suite 209
Novi, Michigan 48375

**SUBJECT: Additional Subsurface Investigation Completed at
Phase 1A and Phase 1B of the Proposed Village 1 Development
5250 Conner Street, Detroit, Michigan 48213**

Dear Mr. Keup:

Triterra has prepared this correspondence following the completion of an additional subsurface investigation completed on the vacant land located at 5250 Conner Street in the City of Detroit, Wayne County, Michigan (the subject property). The subject property consists of approximately 5.28 acres of vacant land which comprises Phase 1A and Phase 1B of the proposed Village 1 development. Three residential apartment buildings are proposed for construction on the subject property. The additional subsurface investigation included the advancement of 15 soil borings to evaluate for the presence of contamination related to the potential presence of urban fill on the subject property in the footprints of the proposed buildings.

A Subject Property Location Diagram is presented as Figure 1. The subject property layout and boundaries are depicted on the Subject Property Orientation Diagram (Figure 2).

BACKGROUND

Triterra recently completed a Phase I Environmental Site Assessment (ESA), dated November 30, 2023 on the subject property. Based on Triterra's review of historical information, the subject property was undeveloped from at least 1937 until 1940. In 1940, Parkside Apartments were constructed on the subject property, and the subject property operated as a multi-family residential apartment complex until at least 1999. The former apartment buildings were razed between 1999 and 2005. Currently, the subject property is vacant.

The Phase I ESA identified the following recognized environmental condition (REC):

- **The documented presence of soil and groundwater contamination on the subject property.** On June 2 and 3, 2014, seven surficial soil samples and 13 soil boring samples were collected and submitted for laboratory analysis of volatile organic compounds (VOCs), semi-VOCs, pesticides, polychlorinated biphenyls (PCBs), and metals. Analytical results for samples that



pertain to the subject property reported various semi-VOCs and metals above the current Part 201 Residential Generic Cleanup Criteria (GCC).

It should be noted that the previous borings were not advanced in the footprints of the proposed buildings and were not completed to assess for urban fill material. Triterra was subsequently retained to complete a subsurface investigation in order to evaluate the potential for urban fill and additional environmental contamination on the subject property in the footprints of the proposed buildings.

ADDITIONAL SUBSURFACE INVESTIGATION ACTIVITIES

On March 8, 2024 Triterra completed a subsurface investigation on the subject property. Triterra, in conjunction with ERG Environmental Services (ERG), advanced a total of fifteen soil borings (SB-1 through SB-15) utilizing hydraulic-driven direct-push methods (i.e. Geoprobe®) to a maximum boring depth of 20.0 feet below grade. Triterra collected soil samples for visual classification, field screening and for evidence of contamination.

The soil boring locations are depicted in Figure 3.

Triterra collected and submitted 15 soil samples to Merit Laboratories, Inc. (Merit) for chemical analysis of VOCs, polynuclear aromatic hydrocarbons (PAHs), and the Michigan 10 Metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc). The target parameters were selected to evaluate for hazardous constituents commonly associated with urban fill.

The soil conditions generally consist of fine to medium sand to approximately four feet below grade, underlain by silty clay to 20.0 feet below grade, the maximum depth explored. Urban fill material including occasional pieces of brick, wood, coal, and concrete were found in SB-1 through SB-4, SB-6 through SB-9, SB-13, and SB-15, at approximately two to eight feet below grade. Groundwater was not encountered during the subsurface investigation.

Triterra did not observe any significant staining during the subsurface investigation and did not encounter petroleum product/hazardous substance odors. The photoionization detector (PID) screening results of soil samples were below the detection limit of the instrument (one part per million).

LABORATORY ANALYTICAL RESULTS AND FINDINGS

Triterra compared the soil analytical results to the Part 201 Residential GCC dated October 12, 2023. Concentrations of metals were also compared with the Michigan Department of Environment, Great Lakes, and Energy (EGLE) Statewide Default Background Levels (SDBLs).

Triterra's soil sample results are summarized in Table 1. The analytical laboratory analytical reports prepared by Merit are included in Attachment 2. Soil Boring locations and analytical result exceedances

are depicted in Figure 3. The following table summarizes constituents in soil at levels above Part 201 Residential GCC & Screening Levels:

Soil Analytical Results Exceeding Part 201 Residential GCC & Screening Levels			
CONSTITUENT/ CAS NUMBER	TRITERRA 2024 SAMPLE LOCATION	MAXIMUM CONCENTRATION	EXCEEDANCE
Naphthalene 91203	SB-1 2-2.5' SB-4 7-8' SB-6 3-4' SB-15 4-5'	7,990	GSIP and VIAP
Benzo(a)anthracene 56553	SB-6 3-4'	23,000	DC
Benzo(a)pyrene 50328	SB-1 2-2.5' SB-4 7-8' SB-6 3-4' SB-8 1-2' SB-13 2-3' SB-15 4-5'	14,400	DC
Benzo(b)fluoranthene 205992	SB-6 3-4' SB-15 4-5'	26,700	DC
Fluoranthene 206440	SB-1 2-2.5' SB-4 7-8' SB-6 3-4' SB-8 1-2' SB-13 2-3' SB-15 4-5'	42,000	GSIP
Fluorene 86737	SB-6 3-4' SB-15 4-5'	7,900	GSIP
Phenanthrene 85018	SB-1 2-2.5' SB-4 7-8' SB-5 0-1' SB-6 3-4' SB-8 1-2' SB-9 2-3' SB-13 2-3'	44,300	GSIP and VIAP
Arsenic 7440382	SB-1 2-2.5' SB-4 7-8' SB-5 0-1' SB-6 3-4' SB-7 2-3' SB-8 1-2' SB-9 2-3'	10,400	DWP, GSIP, DC

Soil Analytical Results Exceeding Part 201 Residential GCC & Screening Levels			
CONSTITUENT/ CAS NUMBER	TRITERRA 2024 SAMPLE LOCATION	MAXIMUM CONCENTRATION	EXCEEDANCE
	SB-15 4-5'		
Chromium 7440473	SB-2 4-5' SB-8 1-2'	18,300	GSIP
Lead 7439921	SB-4 7-8'	443,000	DC
Mercury 7439976	SB-7 2-3' SB-13 2-3'	312	GSIP and VIAP
Selenium 7782492	SB-8 1-2' SB-10 2.5-3.5'	520	GSIP
Zinc 7440666	SB-8 1-2'	185,000	GSIP

DWP: Drinking Water Protection
DC: Direct Contact

GSIP: Groundwater Surface Water Interface Protection
VIAP: Volatilization to Indoor Air Pathway

The laboratory analytical reports and chain of custody documentation are included in Attachment 2.

CONCLUSION AND RECOMMENDATIONS

The laboratory analysis of the soil samples collected by Triterra in March 2024 revealed concentrations of target analytes exceeding the Part 201 Residential GCC and/or Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels in the soil samples collected from SB-1, SB-4, SB-5, SB-6, SB-8, SB-13, and SB-15. The subject property is a “facility”, as defined by Section 20101 of PA 451, Part 201, as amended. To obtain liability protection under Part 201 for contamination present at the subject property at time of acquisition, a potential purchaser may complete a Baseline Environmental Assessment (BEA) report prior to or within 45 days of becoming an owner or operator and submit it to EGLE with six months of purchase or occupancy in accordance with Section 26 of Part 201.

The owner or operator of a facility also has “Due Care” obligations under Part 201 including:

- Prevent exacerbation of the existing contamination;
- Mitigate unacceptable exposure to hazardous substances and allow for the intended use of the facility in a manner that protects the public health and safety;
- Take reasonable precautions against the reasonable foreseeable acts of omissions of a third party and the consequences that foreseeably could result from those acts or omissions; and

- Provide reasonable cooperation, assistance, and access to persons authorized to conduct response actions, and comply with and do not impede the effectiveness or integrity of land use or resource use restrictions established or relied upon in connection with response actions at the subject property.

Should you have any questions or comments regarding this letter, please contact the undersigned at 517-702-0470.

Sincerely,

The logo for Triterra, featuring the word "TRITERRA" in a bold, sans-serif font. The "I" is stylized with a green square containing a white "T" shape.A handwritten signature in blue ink that reads "Lexi Bowen".

Ms. Alexis Bowen
Environmental Scientist

A handwritten signature in blue ink that reads "J.P. Buckingham".

Mr. J.P. Buckingham, CPG
COO | Principal Geologist

FIGURES

Figure 1: Subject Property Location

Figure 2: Subject Property Orientation Diagram

Figure 3: Approximate Boring Locations with Analytical Exceedances

TABLES

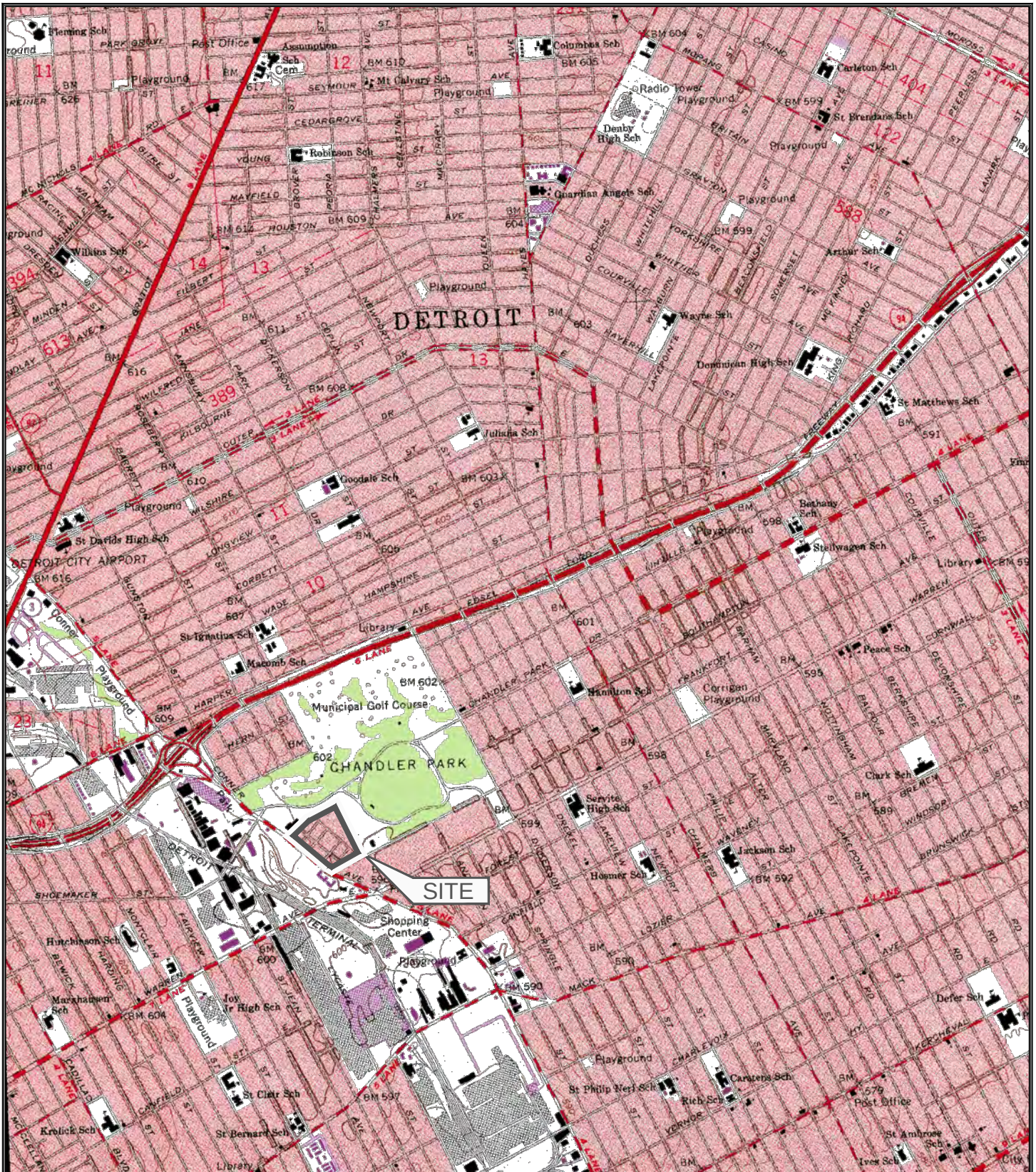
Table 1: Summary of Soil Analytical Results

ATTACHMENTS

Attachment 1: Soil Boring Logs

Attachment 2: Analytical Laboratory Report

FIGURES



GRAPHIC SCALE
1" = 2,000'

TRITERRA

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Diagram is for illustrative purposes only. Exact locations of items shown on figure may vary slightly.

DATE: 3/23/2024

DATE: 3/23/2024

DRAWN BY: JWJ

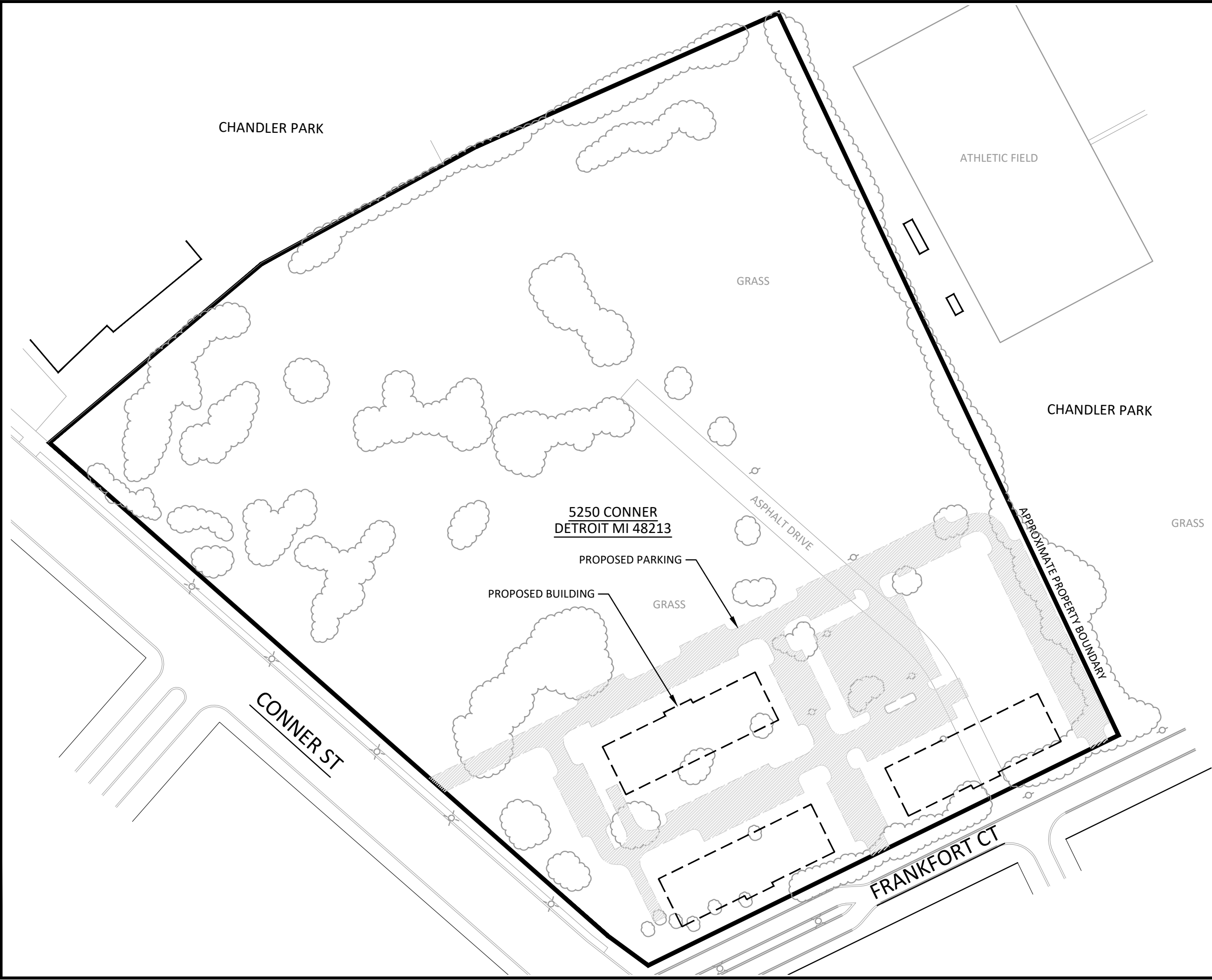
REVISED BY: JWJ

PROPERTY LOCATION MAP

5250 CONNER
DETROIT, MICHIGAN 48213

PROJECT NUMBER: 23-3626

FIGURE 1



0 120 240
GRAPHIC SCALE
1" = 120'

TRIOTERRA

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DATE: 3/23/2024

DRAWN BY: JWL

DATE: 3/25/2024

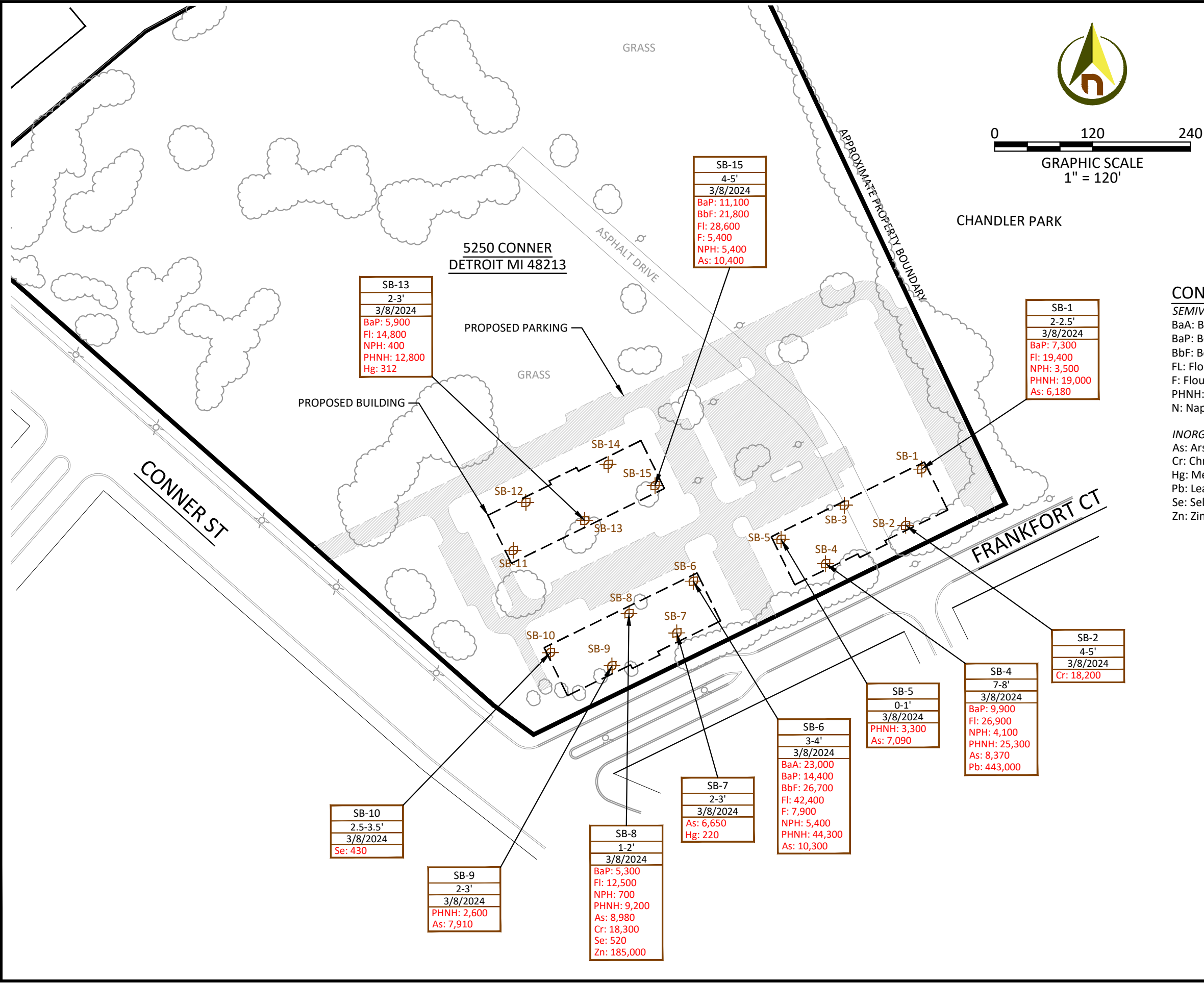
REVISED BY: JWL

PROPERTY ORIENTATION DIAGRAM

5250 CONNER
DETROIT, MICHIGAN 48213

PROJECT NUMBER: 23-3626

FIGURE 2



- NOTES**
1. Soil concentrations are in µg per kg (ppb).
 2. All exceedances are highlighted in red.
 3. Figure includes analytical exceedances only. If no data is presented for a sample location then there were no exceedances above applicable criteria.
 4. See analytical data and tables for additional detail.

- SYMBOLS LEGEND**
- UTILITY POLE
 - LIGHT POLE
 - SOIL BORING LOCATION

- CONSTITUENTS LEGEND**
- SEMIVOLATILES (PAHs)*
- BaA: Benzo(a)anthracene
 - BaP: Benzo(a)pyrene
 - BbF: Benzo(b)flouranthene
 - FL: Flouranthene
 - F: Flourine
 - PHNH: Phenanthrene
 - N: Naphthalene
- INORGANICS, METALS*
- As: Arsenic
 - Cr: Chromium
 - Hg: Mercury, Total
 - Pb: Lead, Total
 - Se: Selenium
 - Zn: Zinc

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SOIL SAMPLING LOCATIONS WITH ANALYTICAL EXCEEDANCES

5250 CONNER
DETROIT, MICHIGAN 48213

PROJECT NUMBER: 23-3626

FIGURE 3

DATE: 3/23/2024
DRAWN BY: JWL

DATE: 3/25/2024
REVISED BY: JWL

Diagram is for illustrative purposes only. Exact locations of items shown on figure may vary slightly.

TABLES



TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
5250 Conner Street
Detroit, Michigan 48213
Triterra Project No. 23-3626

Analyzed Constituents <i>(Refer to laboratory report for method reference data)</i>	Chemical Abstract Service Number	Statewide Default Background Levels	EGLE Part 201 Residential Generic Cleanup Criteria and Screening Levels						Volatilization to Indoor Air Pathway (VIAP) Screening Levels		Sample ID and Collection Date																
			Drinking Water Protection Criteria	Groundwater Surface Water Interface Protection Criteria	Soil Volatilization to Indoor Air Inhalation Criteria (SVIIC)	Infinite Source Volatile Soil Inhalation Criteria (VSIC)	Particulate Soil Inhalation Criteria	Direct Contact Criteria	Residential	Nonresidential	SB-1 2-2.5' 3/8/2024	SB-2 4-5' 3/8/2-24	SB-3 1-2' 3/8/2024	SB-4 7-8' 3/8/2024	SB-5 0-1' 3/8/2024	SB-6 3-4' 3/8/2024	SB-7 2-3' 3/8/2024	SB-8 1-2' 3/8/2024	SB-9 2-3' 3/8/2024	SB-10 2.5-3.5' 3/8/2024	SB-11 3-4' 3/8/2024	SB-12 1-2' 3/8/2024	SB-13 2-3' 3/8/2024	SB-14 1-2' 3/8/2024	SB-15 4-5' 3/8/2024		
Volatiles, VOCs ug/Kg																											
Naphthalene	91203	NA	35,000	730	250,000	300,000	200,000,000	16,000,000	67 (M)	3,800	900	<RL	<RL	1,900	<RL	1,100	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	600	
2-Methylnaphthalene	91576	NA	57,000	4,200	2,700,000	1,500,000	670,000,000	8,100,000	1,700	60,000	300	<RL	<RL	<RL	<RL	500	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	200	
Various other VOCs	Varies	NA	Vw/C	Vw/C	Vw/C	Vw/C	Vw/C	Vw/C	Vw/C	Vw/C	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	
Semivolatiles, PAHs ug/Kg																											
Acenaphthene	83329	NA	300,000	8,700	190,000,000	81,000,000	14,000,000,000	41,000,000	200,000	7,200,000	3,000	<RL	<RL	3,500	400	5,200	<RL	900	<RL	<RL	<RL	<RL	<RL	<RL	<RL	4,200	
Anthracene	120127	NA	41,000	ID	1,000,000,000	1,400,000,000	67,000,000,000	230,000,000	13,000,000	440,000,000	5,800	<RL	<RL	7,700	800	14,400	<RL	2,400	700	<RL	<RL	<RL	<RL	<RL	<RL	8,500	
Benzo(a)anthracene	56553	NA	NLL	NLL	NLV	NLV	ID	20,000	160,000	22,000,000	8,300	700	<RL	11,900	1,800	23,000	600	5,800	1,500	<RL	<RL	<RL	<RL	<RL	<RL	13,100	
Benzo(a)pyrene	50328	NA	NLL	NLL	NLV	NLV	1,500,000	2,000	NA	NA	7,300	600	<RL	9,900	1,600	14,400	500	5,300	1,300	<RL	<RL	<RL	<RL	5,900	<RL	11,100	
Benzo(b)fluoranthene	205992	NA	NLL	NLL	ID	ID	ID	20,000	NA	NA	13,100	1,000	<RL	18,700	3,100	26,700	1,000	10,400	2,500	<RL	<RL	<RL	<RL	10,400	<RL	21,800	
Benzo(k)fluoranthene	207089	NA	NLL	NLL	NLV	NLV	ID	200,000	NA	NA	14,700	1,200	<RL	21,000	3,500	29,900	1,100	11,700	2,800	<RL	<RL	<RL	<RL	11,600	<RL	24,500	
Benzo(ghi)perylene	191242	NA	NLL	NLL	NLV	NLV	800,000,000	2,500,000	NA	NA	2,800	700	<RL	3,800	700	6,800	<RL	2,300	500	<RL	<RL	<RL	<RL	2,600	<RL	4,500	
Chrysene	218019	NA	NLL	NLL	ID	ID	ID	2,000,000	NA	NA	7,600	700	<RL	11,000	1,800	21,500	600	5,500	1,400	<RL	<RL	<RL	<RL	5,700	<RL	12,500	
Dibenzo(ah)anthracene	53703	NA	NLL	NLL	NLV	NLV	ID	2,000	NA	NA	500	<RL	<RL	700	<RL	1,300	<RL	400	<RL	<RL	<RL	<RL	<RL	400	<RL	900	
Fluoranthene	206440	NA	730,000	5,500	1,000,000,000	740,000,000	9,300,000,000	46,000,000	NA	NA	19,400	1,400	<RL	26,900	4,300	42,400	1,000	12,500	3,600	<RL	<RL	<RL	<RL	14,800	<RL	28,600	
Fluorene	86737	NA	390,000	5,300	580,000,000	130,000,000	9,300,000,000	27,000,000	470,000	17,000,000	3,500	<RL	<RL	<RL	4,400	400	7,900	<RL	1,100	300	<RL	<RL	<RL	1,300	<RL	5,400	
Indeno(1,2,3-cd)pyrene	193395	NA	NLL	NLL	NLV	NLV	ID	20,000	NA	NA	2,900	<RL	<RL	<RL	3,900	700	6,600	<RL	2,200	600	<RL	<RL	<RL	<RL	2,400	<RL	4,600
Naphthalene	91203	NA	35,000	730	250,000	300,000	200,000,000	16,000,000	67 (M)	3,800	3,500	<RL	<RL	<RL	4,100	<RL	5,400	<RL	700	<RL	<RL	<RL	<RL	<RL	400	<RL	5,400
Phenanthrene	85018	NA	56,000	2,100	2,800,000	160,000	6,700,000	1,600,000	1,700	58,000	19,000	900	<RL	25,300	3,300	44,300	300	9,200	2,600	<RL	<RL	<RL	<RL	12,800	<RL	28,000	
Pyrene	129000	NA	480,000	ID	1,000,000,000	650,000,000	6,700,000,000	29,000,000	25,000,000	880,000,000	15,100	1,100	<RL	22,100	3,300	53,800	800	11,000	2,700	<RL	<RL	<RL	<RL	12,200	<RL	26,400	
2-Methylnaphthalene	91576	NA	57,000	4,200	2,700,000	1,500,000	670,000,000	8,100,000	1,700	60,000	900	<RL	<RL	<RL	1,300	<RL	1,900	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	1,600	
1-Methylnaphthalene	90120	NA	NA	NA	NA	NA	NA	NA	NA	NA	600	<RL	<RL	<RL	1,000	<RL	1,300	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	1,000	
Various other PAHs	Varies	NA	Vw/C	Vw/C	Vw/C	Vw/C	Vw/C	Vw/C	Vw/C	Vw/C	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	
Inorganics, Metals ug/Kg																											
Arsenic	7440382	5,800	4,600	4,600	NLV	NLV	720,000	7,600	NA	NA	6,180	5,180	4,600	8,370	7,090	10,300	6,650	8,980	7,910	5,180	4,410	3,720	4,840	1,770	10,400		
Barium*	7440393	75,000	1,300,000	440,000	NLV	NLV	330,000,000	37,000,000	NA	NA	64,500	100,000	12,100	53,300	54,600	128,000	117,000	93,200	75,600	75,000	46,900	25,700	85,400	5,650	97,800		
Cadmium*	7440439	1,200	6,000	3,600	NLV	NLV	1,700,000	550,000	NA	NA	240	290	<RL	310	280	780	310	1,410	220	510	<RL	250	260	<RL	470		
Chromium (H)	7440473	18,000	30,000	3,300	NLV	NLV	260,000	2,500,000	NA	NA	13,100	18,200	4,910	10,500	13,100	9,180	12,400	18,300	13,600	6,590	7,830	3,700	9,280	3,720	12,100		
Copper*	7440508	32,000	5,800,000	75,000	NLV	NLV	130,000,000	20,000,000	NA	NA	18,000	16,000	6,820	29,000	16,600	36,800	18,000	36,400	13,800	15,000	5,580	5,270	26,800	1,960	33,900		
Lead*	7439921	21,000	700,000	2,500,000	NLV	NLV	100,000,000	400,000	NA	NA	15,900	12,600	4,360	443,000	29,600	109,000	177,000	178,000	16,600	40,300	7,860	6,900	103,000	2,160	74,300		
Mercury (B)	7439976	130	1,700	130	48,000	52,000	20,000,000	160,000	22 (M)	790	<RL	<RL	<RL	<RL	58	<RL	220	87	50	<RL	<RL	<RL	<RL	312	<RL	<RL	
Selenium (B)	7782492	410	4,000	410	NLV	NLV	130,000,000	2,600,000	NA	NA	<RL	<RL	<RL	<RL	<RL	<RL	<RL	520	<RL	430	<RL	<RL	<RL	<RL	<RL	<RL	
Silver (B)	7440224	1,000	4,500	1,000	NLV	NLV	6,700,000	2,500,000	NA	NA	<RL	<RL	<RL	<RL	<RL	<RL	<RL	510	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	
Zinc*	7440666	47,000	2,400,000	170,000	NLV	NLV	ID	170,000,000	NA	NA	<RL	59,300	20,100	71,500	58,600	106,800	11,000	185,000	46,500	77,400	21,800	12,900	70,000	6,410	101,000		

NOTES:
1. Analytical results compared to EGLE (formerly MDEQ) criteria presented in Administrative Rules for Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, effective 12/30/2013.
2. Concentrations reported in ppb (parts per billion or ug/kg).
3. Detected results shown in **BOLD**. Exceedances are highlighted.
4. * = GSI Protection was calculated for the indicated metals using the EGLE spreadsheet for calculating GSI. A default water hardness value of 150 mg/kg as CaCO3 was used to calculate GSI. Results are presented for surface water receiving bodies that are protected as a drinking water source.
5. <RL = Result was less than the laboratory reporting limits, - = Constituent was not analyzed, NA = Not applicable, NLL = Not likely to leach under most soil conditions, NLV = Not likely to volatilize under most conditions, ID = Insufficient data to develop criterion, Vw/C = Varies with constituent.
6. VIAP = Volatilization to Indoor Air Pathway Screening Levels, September 2020.
7. B = Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

ATTACHMENT 1

**BORING NUMBER SB-1**

PAGE 1 OF 1

CLIENT Ginosko DevelopmentPROJECT NAME TriterraPROJECT NUMBER 23-3626PROJECT LOCATION 5250 Conner Street, Detroit, MichiganDATE STARTED 3/8/24COMPLETED 3/8/24

GROUND ELEVATION _____

HOLE SIZE 2DRILLING CONTRACTOR ERG

GROUND WATER LEVELS:

DRILLING METHOD GeoprobeAT TIME OF DRILLING ---LOGGED BY Adam BishopCHECKED BY Jade GilletteAT END OF DRILLING ---

NOTES _____

AFTER DRILLING ---

TRITERRA BH WITH NO ELEVATION - PID.GDT - 3/26/24 10:55 - K11 - PROJECTS\23-3630 - SOULEMAN ENTERPRISES - 3002 LAPEER, PORT HURON FIELD NOTES - LOGS\TEMPLATE, GW AND SOIL SAMPLES.GPJ

DEPTH (ft)	SAMPLE NUMBER	GRAPHIC LOG	USCS	MATERIAL DESCRIPTION	PID	WELL DIAGRAM
0				TOPSOIL.		
			SW	SAND. Fine to medium sand, trace silt, trace gravel, light brown, damp.		
	GB SB-1			FILL. Silty clay, some gravel, occasional pieces of brick, wood, concrete, brown.	<1	
			CL-ML	CLAY. Silty clay, trace gravel, brown to light brown to gray.		
5					<1	
					<1	
					<1	
10					<1	
					<1	
					<1	
15					<1	
					<1	
					<1	
20					<1	

Bottom of borehole at 20.0 feet.

**BORING NUMBER SB-2**

PAGE 1 OF 1

CLIENT Ginosko DevelopmentPROJECT NAME TriterraPROJECT NUMBER 23-3626PROJECT LOCATION 5250 Conner Street, Detroit, MichiganDATE STARTED 3/8/24COMPLETED 3/8/24

GROUND ELEVATION _____

HOLE SIZE 2DRILLING CONTRACTOR ERG

GROUND WATER LEVELS:

DRILLING METHOD GeoprobeAT TIME OF DRILLING ---LOGGED BY Adam BishopCHECKED BY Jade GilletteAT END OF DRILLING ---

NOTES _____

AFTER DRILLING ---

TRITERRA BH WITH NO ELEVATION - PID.GDT - 3/26/24 10:55 - K11 - PROJECTS\23-3630 - SOULEMAN ENTERPRISES - 3002 LAPEER, PORT HURON\FIELD NOTES - LOGS\TEMPLATE, GW AND SOIL SAMPLES.GPJ

DEPTH (ft)	SAMPLE NUMBER	GRAPHIC LOG	USCS	MATERIAL DESCRIPTION	PID	WELL DIAGRAM
0				TOPSOIL.		
			SW	SAND. Fine to medium sand, some silt, trace gravel, light brown, damp.	<1	
				FILL. Silty clay, occasional pieces of brick and wood, brown.		
			CL-ML	CLAY. Silty clay, trace gravel, brown to light brown to gray.	<1	
5	 GB SB-2				<1	
					<1	
					<1	
10					<1	
				Bottom of borehole at 12.0 feet.		



PROJECT NAME Triterra

PROJECT LOCATION 5250 Conner Street, Detroit, Michigan

GROUND ELEVATION _____ HOLE SIZE 2

GROUND WATER LEVELS:

AT TIME OF DRILLING ---

AT END OF DRILLING ---

AFTER DRILLING ---

DEPTH (ft)	SAMPLE NUMBER	GRAPHIC LOG	USCS	MATERIAL DESCRIPTION	P/D	WELL DIAGRAM
0				ASPHALT.		
	GB SB-3		SW	SAND. Fine to medium sand, some silt, some gravel, moist, light brown.	<1	
					<1	
				FILL. Silty clay, occasional pieces of brick, brown.	<1	
5			CL-ML	CLAY. Silty clay, brown.		
					<1	
					<1	
10					<1	
				Bottom of borehole at 12.0 feet.		



PAGE 1 OF 1

CLIENT Ginosko Development

PROJECT NAME Triterra

PROJECT NUMBER 23-3626

PROJECT LOCATION 5250 Conner Street, Detroit, Michigan

DATE STARTED 3/8/24 COMPLETED 3/8/24

GROUND ELEVATION _____ HOLE SIZE 2

DRILLING CONTRACTOR ERG

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe

AT TIME OF DRILLING ---

LOGGED BY Adam Bishop **CHECKED BY** Jade Gillette

AT END OF DRILLING ---

NOTES _____

AFTER DRILLING ---

DEPTH (ft)	SAMPLE NUMBER	GRAPHIC LOG	USCS	MATERIAL DESCRIPTION	PID	WELL DIAGRAM
0				TOPSOIL.		
				FILL. Sandy clay, some gravel, trace silt, occasional pieces of brick, concrete, wood, and asphalt, brown.	<1	
					<1	
5					<1	
			CL-ML	CLAY. Silty clay, trace gravel, brown to gray.	<1	
10					<1	
				Bottom of borehole at 12.0 feet.		

TRITERRA BH WITH NO ELEVATION - PID.GDT - 3/26/24 10:55 - K:11 PROJECTS\23-3630 - SOULEMAN ENTERPRISES - 3002 LAPEER, PORT HURON\FIELD NOTES - LOGS\TEMPLATE GW AND SOIL SAMPLES.GPJ

CLIENT Ginosko DevelopmentPROJECT NAME TriterraPROJECT NUMBER 23-3626PROJECT LOCATION 5250 Conner Street, Detroit, MichiganDATE STARTED 3/8/24COMPLETED 3/8/24

GROUND ELEVATION _____

HOLE SIZE 2DRILLING CONTRACTOR ERG

GROUND WATER LEVELS:

DRILLING METHOD GeoprobeAT TIME OF DRILLING ---LOGGED BY Adam BishopCHECKED BY Jade GilletteAT END OF DRILLING ---

NOTES _____

AFTER DRILLING ---

TRITERRA BH WITH NO ELEVATION - PID.GDT - 3/26/24 10:55 - K11 - PROJECTS\23-3630 - SOULEMAN ENTERPRISES - 3002 LAPEER, PORT HURON\FIELD NOTES - LOGS\TEMPLATE, GW AND SOIL SAMPLES.GPJ

DEPTH (ft)	SAMPLE NUMBER	GRAPHIC LOG	USCS	MATERIAL DESCRIPTION	PID	WELL DIAGRAM
0						
	 GB SB-5			TOPSOIL.	<1	
			SW	SAND. Fine to medium sand, trace silt, light brown, damp.	<1	
			ML	SILT. Trace clay, brown, damp.	<1	
			CL-ML	CLAY. Silty clay, trace gravel, brown to gray.	<1	
5					<1	
					<1	
					<1	
10					<1	
					<1	
				Bottom of borehole at 12.0 feet.		



CLIENT Ginosko Development

PROJECT NAME Triterra

PROJECT NUMBER 23-3626

PROJECT LOCATION 5250 Conner Street, Detroit, Michigan

DATE STARTED 3/8/24

COMPLETED 3/8/24

GROUND ELEVATION _____

HOLE SIZE 2

DRILLING CONTRACTOR ERG

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe

AT TIME OF DRILLING ---

LOGGED BY Adam Bishop

CHECKED BY Jade Gillette

AT END OF DRILLING ---

NOTES _____

AFTER DRILLING ---

TRITERRA BH WITH NO ELEVATION - PID.GDT - 3/26/24 10:55 - K11 - PROJECTS\23-3630 - SOULEMAN ENTERPRISES - 3002 LAPEER, PORT HURON\FIELD NOTES - LOGS\TEMPLATE, GW AND SOIL SAMPLES.GPJ

DEPTH (ft)	SAMPLE NUMBER	GRAPHIC LOG	USCS	MATERIAL DESCRIPTION	PID	WELL DIAGRAM
0				TOPSOIL.		
				FILL. Fine to medium sand, trace gravel, occasional pieces of brick, wood, and clay.	<1	
					<1	
					<1	
5			ML	SILT. Brown, damp.		
					<1	
					<1	
			CL-ML	CLAY. Silty clay, intermittent layers of sand at approximately 9', brown to light brown to gray.		
					<1	
					<1	
10						
					<1	
					<1	
					<1	
15						
					<1	
				Bottom of borehole at 16.0 feet.		



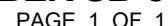
BORING NUMBER SB-7

PAGE 1 OF 1

CLIENT	Ginosko Development	PROJECT NAME	Triterra
PROJECT NUMBER	23-3626	PROJECT LOCATION	5250 Conner Street, Detroit, Michigan
DATE STARTED	3/8/24	COMPLETED	3/8/24
DRILLING CONTRACTOR	ERG	GROUND ELEVATION	
DRILLING METHOD	Geoprobe	HOLE SIZE	2
LOGGED BY	Adam Bishop	CHECKED BY	Jade Gillette
NOTES			
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

TRITERRA BH WITH NO ELEVATION - PID.GDT - 3/26/24 10:55 - K11 - PROJECTS\23-3630 - SOULEMAN ENTERPRISES - 3002 LAPEER, PORT HURON FIELD NOTES - LOGS\TEMPLATE, GW AND SOIL SAMPLES.GPJ

DEPTH (ft)	SAMPLE NUMBER	GRAPHIC LOG	USCS	MATERIAL DESCRIPTION	PID	WELL DIAGRAM
0				TOPSOIL.		
				FILL. Fine to medium sand, some gravel, occasional pieces of brick, coal, and concrete.	<1	
	GB SB-7		CL-ML	CLAY. Silty clay, trace gravel, intermittent layers of sand at approximately 9', brown to light brown.	<1	
5					<1	
					<1	
10					<1	
				Bottom of borehole at 12.0 feet.		



AFTER DRILLING ---

TRITERRA BH WITH NO ELEVATION - PID GDT - 3/26/24 10:55 - K\1 - PROJECTS\23-3630 - SOULEMAN ENTERPRISES - 3002 LAPEER - PORT HURON\FIELD NOTES - LOGS\TEMPLATE GW AND SOIL SAMPLES.GPJ

**BORING NUMBER SB-9**

PAGE 1 OF 1

CLIENT Ginosko DevelopmentPROJECT NAME TriterraPROJECT NUMBER 23-3626PROJECT LOCATION 5250 Conner Street, Detroit, MichiganDATE STARTED 3/8/24COMPLETED 3/8/24

GROUND ELEVATION _____

HOLE SIZE 2DRILLING CONTRACTOR ERG

GROUND WATER LEVELS:

DRILLING METHOD GeoprobeAT TIME OF DRILLING ---LOGGED BY Adam BishopCHECKED BY Jade GilletteAT END OF DRILLING ---

NOTES _____

AFTER DRILLING ---

TRITERRA BH WITH NO ELEVATION - PID.GDT - 3/26/24 10:55 - K11 - PROJECTS\23-3630 - SOULEMAN ENTERPRISES - 3002 LAPEER, PORT HURON\FIELD NOTES - LOGS\TEMPLATE, GW AND SOIL SAMPLES.GPJ

DEPTH (ft)	SAMPLE NUMBER	GRAPHIC LOG	USCS	MATERIAL DESCRIPTION	PID	WELL DIAGRAM
0				TOPSOIL.		
				FILL. Fine to medium sand, trace gravel, occasional pieces of brick.		
	GB SB-9				<1	
			CL-ML	CLAY. Silty clay, trace gravel, dark brown to brown.		
5					<1	
					<1	
					<1	
10					<1	
					<1	
				Bottom of borehole at 12.0 feet.	<1	

CLIENT Ginosko DevelopmentPROJECT NAME TriterraPROJECT NUMBER 23-3626PROJECT LOCATION 5250 Conner Street, Detroit, MichiganDATE STARTED 3/8/24COMPLETED 3/8/24

GROUND ELEVATION _____

HOLE SIZE 2DRILLING CONTRACTOR ERG

GROUND WATER LEVELS:

DRILLING METHOD GeoprobeAT TIME OF DRILLING ---LOGGED BY Adam BishopCHECKED BY Jade GilletteAT END OF DRILLING ---

NOTES _____

AFTER DRILLING ---

TRITERRA BH WITH NO ELEVATION - PID.GDT - 3/26/24 10:55 - K11 - PROJECTS\23-3630 - SOULEMAN ENTERPRISES - 3002 LAPEER, PORT HURON\FIELD NOTES - LOGS\TEMPLATE, GW AND SOIL SAMPLES.GPJ

DEPTH (ft)	SAMPLE NUMBER	GRAPHIC LOG	USCS	MATERIAL DESCRIPTION	PID	WELL DIAGRAM
0				TOPSOIL.		
			SW	SAND. Fine to medium sand, trace gravel, intermittent layers of sandy at approximately 1.5', brown, damp.		
	GB SB-10		CL-ML	CLAY. Silty clay, some sand, trace gravel, dark brown.	<1	
					<1	
5			SW	SAND. Fine to medium sand, trace silt, brown, damp.		
			CL-ML	CLAY. Silty clay, trace gravel, light brown to gray.	<1	
					<1	
10					<1	
				Bottom of borehole at 12.0 feet.		



BORING NUMBER SB-11

PAGE 1 OF 1

CLIENT Ginosko Development

PROJECT NAME Triterra

PROJECT NUMBER 23-3626

PROJECT LOCATION 5250 Conner Street, Detroit, Michigan

DATE STARTED 3/8/24

COMPLETED 3/8/24

GROUND ELEVATION _____

HOLE SIZE 2

DRILLING CONTRACTOR ERG

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe

AT TIME OF DRILLING ---

LOGGED BY Adam Bishop

CHECKED BY Jade Gillette

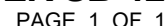
AT END OF DRILLING ---

NOTES _____

AFTER DRILLING ---

TRITERRA BH WITH NO ELEVATION - PID.GDT - 3/26/24 10:55 - K11 - PROJECTS\23-3630 - SOULEMAN ENTERPRISES - 3002 LAPEER, PORT HURON\FIELD NOTES - LOGS\TEMPLATE, GW AND SOIL SAMPLES.GPJ

DEPTH (ft)	SAMPLE NUMBER	GRAPHIC LOG	USCS	MATERIAL DESCRIPTION	PID	WELL DIAGRAM
0				TOPSOIL.		
			CL	CLAY. Sandy clay, trace gravel, brown.	<1	
					<1	
			SW	SAND. Fine to medium sand, trace gravel, brown, damp to moist.	<1	
5			CL-ML	CLAY. Silty clay, trace gravel, intermittent layers of sand at approximately 8.5', brown to gray.	<1	
					<1	
					<1	
10					<1	
					<1	
					<1	
15					<1	
				Bottom of borehole at 16.0 feet.		



AFTER DRILLING ---

TRITERRA BH WITH NO ELEVATION - PID GDT - 3/26/24 10:55 - K\1 - PROJECTS\23-3630 - SOULEMAN ENTERPRISES - 3002 LAPEER - PORT HURON\FIELD NOTES - LOGS\TEMPLATE GW AND SOIL SAMPLES.GPJ

**BORING NUMBER SB-13**

PAGE 1 OF 1

CLIENT Ginosko DevelopmentPROJECT NAME TriterraPROJECT NUMBER 23-3626PROJECT LOCATION 5250 Conner Street, Detroit, MichiganDATE STARTED 3/8/24COMPLETED 3/8/24

GROUND ELEVATION _____

HOLE SIZE 2DRILLING CONTRACTOR ERG

GROUND WATER LEVELS:

DRILLING METHOD GeoprobeAT TIME OF DRILLING ---LOGGED BY Adam BishopCHECKED BY Jade GilletteAT END OF DRILLING ---

NOTES _____

AFTER DRILLING ---

TRITERRA BH WITH NO ELEVATION - PID.GDT - 3/26/24 10:55 - K11 - PROJECTS\23-3630 - SOULEMAN ENTERPRISES - 3002 LAPEER, PORT HURON FIELD NOTES - LOGS\TEMPLATE, GW AND SOIL SAMPLES.GPJ

DEPTH (ft)	SAMPLE NUMBER	GRAPHIC LOG	USCS	MATERIAL DESCRIPTION	PID	WELL DIAGRAM
0				TOPSOIL.		
				FILL. Sandy clay, some gravel, occasional pieces of brick, brown to dark brown.		
	GB SB-13				<1	
			SM	SAND. Silty sand, trace gravel, brown, damp.		
			CL-ML	CLAY. Silty clay, trace gravel, brown to gray.	<1	
5					<1	
					<1	
10					<1	
					<1	
				Bottom of borehole at 12.0 feet.		

**BORING NUMBER SB-14**

PAGE 1 OF 1

CLIENT Ginosko DevelopmentPROJECT NAME TriterraPROJECT NUMBER 23-3626PROJECT LOCATION 5250 Conner Street, Detroit, MichiganDATE STARTED 3/8/24COMPLETED 3/8/24

GROUND ELEVATION _____

HOLE SIZE 2DRILLING CONTRACTOR ERG

GROUND WATER LEVELS:

AT TIME OF DRILLING ---AT END OF DRILLING ---AFTER DRILLING ---DRILLING METHOD GeoprobeLOGGED BY Adam BishopCHECKED BY Jade Gillette

NOTES _____

TRITERRA BH WITH NO ELEVATION - PID.GDT - 3/26/24 10:55 - K11 - PROJECTS\23-3630 - SOULEMAN ENTERPRISES - 3002 LAPEER, PORT HURON\FIELD NOTES - LOGS\TEMPLATE, GW AND SOIL SAMPLES.GPJ

DEPTH (ft)	SAMPLE NUMBER	GRAPHIC LOG	USCS	MATERIAL DESCRIPTION	PID	WELL DIAGRAM
0				TOPSOIL.		
			SW	SAND. Fine to medium sand, trace gravel, brown, damp.	<1	
					<1	
			CL-ML	CLAY. Silty clay, brown to gray.	<1	
5					<1	
					<1	
10					<1	
					<1	
				Bottom of borehole at 12.0 feet.		

**BORING NUMBER SB-15**

PAGE 1 OF 1

CLIENT Ginosko DevelopmentPROJECT NAME TriterraPROJECT NUMBER 23-3626PROJECT LOCATION 5250 Conner Street, Detroit, MichiganDATE STARTED 3/8/24COMPLETED 3/8/24

GROUND ELEVATION _____

HOLE SIZE 2DRILLING CONTRACTOR ERG

GROUND WATER LEVELS:

AT TIME OF DRILLING ---AT END OF DRILLING ---AFTER DRILLING ---DRILLING METHOD GeoprobeLOGGED BY Adam BishopCHECKED BY Jade Gillette

NOTES _____

TRITERRA BH WITH NO ELEVATION - PID.GDT - 3/26/24 10:55 - K11 - PROJECTS\23-3630 - SOULEMAN ENTERPRISES - 3002 LAPEER, PORT HURON\FIELD NOTES - LOGS\TEMPLATE, GW AND SOIL SAMPLES.GPJ

DEPTH (ft)	SAMPLE NUMBER	GRAPHIC LOG	USCS	MATERIAL DESCRIPTION	PID	WELL DIAGRAM
0				TOPSOIL.		
				FILL. Sandy clay, some gravel, occasional pieces of concrete, brick, and glass.	<1	
5	 GB SB-15				<1	
			CL-ML	CLAY. Silty clay, some sand, dark brown to brown.	<1	
10					<1	
					<1	
				Bottom of borehole at 12.0 feet.		

ATTACHMENT 2



Analytical Laboratory Report

Report ID: S59676.01(01)
Generated on 03/15/2024

Report to
Attention: Adam Bishop
TriTerra
1375 S. Washington Avenue, Suite 100
Lansing, MI 48910

Phone: 210-749-2704 FAX:
Email: Adam.Bishop@triterra.us

Additional Contacts: Brad Buswell

Report produced by
Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:
John Lavery (johnlavery@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary
Lab Sample ID(s): S59676.01-S59676.15
Project: 23-3626 / 5250 Conner Ave
Collected Date(s): 03/08/2024
Submitted Date/Time: 03/12/2024 11:50
Sampled by: Adam Bishop
P.O. #:

Table of Contents

- Cover Page (Page 1)
- General Report Notes (Page 2)
- Report Narrative (Page 2)
- Laboratory Accreditations (Page 3)
- Qualifier Descriptions (Page 3)
- Glossary of Abbreviations (Page 3)
- Method Summary (Page 4)
- Sample Summary (Page 5)


Maya Murshak
Technical Director



Analytical Laboratory Report

General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

When MDL results are provided, then 'Not detected' indicates that parameter was not found at a level equal to or greater than the MDL.

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile, and 2-chloroethylvinyl ether need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Starred (*) analytes are not NY NELAP accredited.

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)

PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."

Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.

Wisconsin PFAs analysis: MDL = LOD; RL = LOQ. LOD and LOQ are adjusted for dilution.

All accreditations/certifications held by this laboratory are listed on page 3. Not all accreditations/certifications are applicable to this report.

For a specific list of accredited analytes, please feel free to contact the laboratory or visit <https://www.meritlabs.com/certifications>.

Report Narrative

There is no additional narrative for this analytical report



Analytical Laboratory Report

Laboratory Accreditations (For Reference Only)

Authority	Accreditation ID
Michigan DEQ	#9956
DOD ELAP & ISO/IEC 17025:2017	#69699 PJLA Testing
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Pennsylvania DEP	#68-05884
Wisconsin DNR	FID# 399147320

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched



Analytical Laboratory Report

Method Summary

Method	Version
SM2540B	Standard Method 2540 B 2015
SW3050B	SW 846 Method 3050B Revision 2 December 1996
SW3546	SW 846 Method 3546 Revision 0 February 2007
SW5035A	SW 846 Method 5035A Revision 1 July 2002
SW5035A/8260C	SW 846 Method 8260C Revision 3 August 2006 / 5035A Revision 1 July 2002
SW6020A	SW 846 Method 6020A Revision 1 February 2007
SW7471B	SW 846 Method 7471B Revision 2 February 2007
SW8270D	SW 846 Method 8270D Revision 4 February 2007



Analytical Laboratory Report

Sample Summary (15 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S59676.01	SB-1 2-2.5'	Soil	03/08/24 00:01
S59676.02	SB-2 4-5'	Soil	03/08/24 00:01
S59676.03	SB-3 1-2'	Soil	03/08/24 00:01
S59676.04	SB-4 7-8'	Soil	03/08/24 00:01
S59676.05	SB-5 0-1'	Soil	03/08/24 00:01
S59676.06	SB-6 3-4'	Soil	03/08/24 00:01
S59676.07	SB-7 2-3'	Soil	03/08/24 00:01
S59676.08	SB-8 1-2'	Soil	03/08/24 00:01
S59676.09	SB-9 2-3'	Soil	03/08/24 00:01
S59676.10	SB-10 2.5-3.5'	Soil	03/08/24 00:01
S59676.11	SB-11 3-4'	Soil	03/08/24 00:01
S59676.12	SB-12 1-2'	Soil	03/08/24 00:01
S59676.13	SB-13 2-3'	Soil	03/08/24 00:01
S59676.14	SB-14 1-2'	Soil	03/08/24 00:01
S59676.15	SB-15 4-5'	Soil	03/08/24 00:01



Analytical Laboratory Report

Lab Sample ID: S59676.01
Sample Tag: SB-1 2-2.5'
Collected Date/Time: 03/08/2024 00:01
Matrix: Soil
COC Reference: 168457

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR
1	40mL Glass	MeOH	Yes	4.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	03/14/24 10:20	JRH	
PNA Extraction*	Completed	SW3546	03/12/24 14:30	JWR	
Sample wt. (g) / Methanol (ml)*	11.479/11	SW5035A	03/12/24 15:02	ACK	
Mercury Digestion	Completed	SW7471B	03/13/24 10:32	CTV	

Inorganics

Method: SM2540B, Run Date: 03/13/24 13:04, Analyst: MAM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	84	1		%	1		

Metals

Method: SW6020A, Run Date: 03/14/24 12:07, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	6,180	200		ug/kg	274	7440-38-2	
Barium	64,500	1,000		ug/kg	274	7440-39-3	
Cadmium	240	200		ug/kg	274	7440-43-9	
Chromium	13,100	500		ug/kg	274	7440-47-3	
Copper	18,000	500		ug/kg	274	7440-50-8	
Lead	15,900	300		ug/kg	274	7439-92-1	
Selenium	Not detected	400		ug/kg	274	7782-49-2	
Silver	Not detected	200		ug/kg	274	7440-22-4	
Zinc	53,700	500		ug/kg	274	7440-66-6	

Method: SW7471B, Run Date: 03/13/24 13:32, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	50		ug/kg	65	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 22:28, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	3,000	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	5,800	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	8,300	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	7,300	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	13,100	300		ug/kg	10	205-99-2	p
Benzo(k)fluoranthene	14,700	300		ug/kg	10	207-08-9	p
Benzo(ghi)perylene	2,800	300		ug/kg	10	191-24-2	
Chrysene	7,600	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	500	300		ug/kg	10	53-70-3	

p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.



Analytical Laboratory Report

Lab Sample ID: S59676.01 (continued)

Sample Tag: SB-1 2-2.5'

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 22:28, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Fluoranthene	19,400	300		ug/kg	10	206-44-0	
Fluorene	3,500	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	2,900	300		ug/kg	10	193-39-5	
Naphthalene	3,500	300		ug/kg	10	91-20-3	
Phenanthrene	19,000	300		ug/kg	10	85-01-8	
Pyrene	15,100	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	900	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	600	300		ug/kg	10	90-12-0	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 02:07, Analyst: NDK

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	66.6	60-29-7	
Acetone	Not detected	1,000		ug/kg	66.6	67-64-1	
Methyl iodide	Not detected	100		ug/kg	66.6	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	66.6	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	66.6	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	66.6	107-13-1	
2-Butanone (MEK)	Not detected	1,000		ug/kg	66.6	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	66.6	75-71-8	
Chloromethane	Not detected	300		ug/kg	66.6	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	66.6	75-01-4	
Bromomethane	Not detected	300		ug/kg	66.6	74-83-9	
Chloroethane	Not detected	300		ug/kg	66.6	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	66.6	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	66.6	75-35-4	
Methylene chloride	Not detected	100		ug/kg	66.6	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	66.6	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	66.6	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	66.6	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	66.6	109-99-9	
Chloroform	Not detected	70		ug/kg	66.6	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	66.6	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	66.6	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	66.6	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	66.6	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	66.6	56-23-5	
Benzene	Not detected	70		ug/kg	66.6	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	66.6	107-06-2	
Trichloroethene	Not detected	70		ug/kg	66.6	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	66.6	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	66.6	75-27-4	
Dibromomethane	Not detected	300		ug/kg	66.6	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	66.6	10061-01-5	
Toluene	Not detected	70		ug/kg	66.6	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	66.6	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	66.6	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	66.6	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	66.6	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	66.6	124-48-1	



Analytical Laboratory Report

Lab Sample ID: S59676.01 (continued)

Sample Tag: SB-1 2-2.5'

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 02:07, Analyst: NDK (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dibromoethane	Not detected	30		ug/kg	66.6	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	66.6	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	66.6	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	66.6	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	66.6		
o-Xylene	Not detected	70		ug/kg	66.6	95-47-6	
Styrene	Not detected	70		ug/kg	66.6	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	66.6	98-82-8	
Bromoform	Not detected	100		ug/kg	66.6	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	66.6	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	66.6	96-18-4	
n-Propylbenzene	Not detected	70		ug/kg	66.6	103-65-1	
Bromobenzene	Not detected	100		ug/kg	66.6	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	66.6	108-67-8	
tert-Butylbenzene	Not detected	70		ug/kg	66.6	98-06-6	
1,2,4-Trimethylbenzene	Not detected	70		ug/kg	66.6	95-63-6	
sec-Butylbenzene	Not detected	70		ug/kg	66.6	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	66.6	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	66.6	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	66.6	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	66.6	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	66.6	526-73-8	
n-Butylbenzene	Not detected	70		ug/kg	66.6	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	66.6	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	66.6	96-12-8	
1,2,4-Trichlorobenzene	Not detected	440		ug/kg	66.6	120-82-1	
1,2,3-Trichlorobenzene	Not detected	440		ug/kg	66.6	87-61-6	
Naphthalene	900	300		ug/kg	66.6	91-20-3	
2-Methylnaphthalene	300	100		ug/kg	66.6	91-57-6	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S59676.02
Sample Tag: SB-2 4-5'
Collected Date/Time: 03/08/2024 00:01
Matrix: Soil
COC Reference: 168457

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR
1	40mL Glass	MeOH	Yes	4.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	03/14/24 10:20	JRH	
PNA Extraction*	Completed	SW3546	03/12/24 14:30	JWR	
Sample wt. (g) / Methanol (ml)*	10.759/10	SW5035A	03/12/24 15:02	ACK	
Mercury Digestion	Completed	SW7471B	03/13/24 10:32	CTV	

Inorganics

Method: SM2540B, Run Date: 03/13/24 13:04, Analyst: MAM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	82	1		%	1		

Metals

Method: SW6020A, Run Date: 03/14/24 12:09, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	5,180	200		ug/kg	260	7440-38-2	
Barium	100,000	1,000		ug/kg	260	7440-39-3	
Cadmium	290	200		ug/kg	260	7440-43-9	
Chromium	18,200	500		ug/kg	260	7440-47-3	
Copper	16,000	500		ug/kg	260	7440-50-8	
Lead	12,600	300		ug/kg	260	7439-92-1	
Selenium	Not detected	400		ug/kg	260	7782-49-2	
Silver	Not detected	200		ug/kg	260	7440-22-4	
Zinc	59,300	500		ug/kg	260	7440-66-6	

Method: SW7471B, Run Date: 03/13/24 13:36, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	50		ug/kg	67	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 18:44, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	700	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	600	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	1,000	300		ug/kg	10	205-99-2	p
Benzo(k)fluoranthene	1,200	300		ug/kg	10	207-08-9	p
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	700	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	

p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.



Analytical Laboratory Report

Lab Sample ID: S59676.02 (continued)

Sample Tag: SB-2 4-5'

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 18:44, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Fluoranthene	1,400	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	900	300		ug/kg	10	85-01-8	
Pyrene	1,100	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 02:31, Analyst: NDK

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	67.6	60-29-7	
Acetone	Not detected	1,000		ug/kg	67.6	67-64-1	
Methyl iodide	Not detected	100		ug/kg	67.6	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	67.6	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	67.6	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	67.6	107-13-1	
2-Butanone (MEK)	Not detected	1,000		ug/kg	67.6	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	67.6	75-71-8	
Chloromethane	Not detected	300		ug/kg	67.6	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	67.6	75-01-4	
Bromomethane	Not detected	300		ug/kg	67.6	74-83-9	
Chloroethane	Not detected	300		ug/kg	67.6	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	67.6	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	67.6	75-35-4	
Methylene chloride	Not detected	100		ug/kg	67.6	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	67.6	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	67.6	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	67.6	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	67.6	109-99-9	
Chloroform	Not detected	70		ug/kg	67.6	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	67.6	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	67.6	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	67.6	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	67.6	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	67.6	56-23-5	
Benzene	Not detected	70		ug/kg	67.6	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	67.6	107-06-2	
Trichloroethene	Not detected	70		ug/kg	67.6	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	67.6	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	67.6	75-27-4	
Dibromomethane	Not detected	300		ug/kg	67.6	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	67.6	10061-01-5	
Toluene	Not detected	70		ug/kg	67.6	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	67.6	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	67.6	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	67.6	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	67.6	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	67.6	124-48-1	



Analytical Laboratory Report

Lab Sample ID: S59676.02 (continued)

Sample Tag: SB-2 4-5'

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 02:31, Analyst: NDK (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dibromoethane	Not detected	30		ug/kg	67.6	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	67.6	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	67.6	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	67.6	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	67.6		
o-Xylene	Not detected	70		ug/kg	67.6	95-47-6	
Styrene	Not detected	70		ug/kg	67.6	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	67.6	98-82-8	
Bromoform	Not detected	100		ug/kg	67.6	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	67.6	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	67.6	96-18-4	
n-Propylbenzene	Not detected	70		ug/kg	67.6	103-65-1	
Bromobenzene	Not detected	100		ug/kg	67.6	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	67.6	108-67-8	
tert-Butylbenzene	Not detected	70		ug/kg	67.6	98-06-6	
1,2,4-Trimethylbenzene	Not detected	70		ug/kg	67.6	95-63-6	
sec-Butylbenzene	Not detected	70		ug/kg	67.6	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	67.6	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	67.6	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	67.6	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	67.6	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	67.6	526-73-8	
n-Butylbenzene	Not detected	70		ug/kg	67.6	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	67.6	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	67.6	96-12-8	
1,2,4-Trichlorobenzene	Not detected	450		ug/kg	67.6	120-82-1	
1,2,3-Trichlorobenzene	Not detected	450		ug/kg	67.6	87-61-6	
Naphthalene	Not detected	300		ug/kg	67.6	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	67.6	91-57-6	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S59676.03
Sample Tag: SB-3 1-2'
Collected Date/Time: 03/08/2024 00:01
Matrix: Soil
COC Reference: 168457

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR
1	40mL Glass	MeOH	Yes	4.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	03/14/24 10:20	JRH	
PNA Extraction*	Completed	SW3546	03/12/24 14:30	JWR	
Sample wt. (g) / Methanol (ml)*	10.341/10	SW5035A	03/12/24 15:02	ACK	
Mercury Digestion	Completed	SW7471B	03/13/24 10:32	CTV	

Inorganics

Method: SM2540B, Run Date: 03/13/24 13:04, Analyst: MAM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Metals

Method: SW6020A, Run Date: 03/14/24 12:11, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	4,600	200		ug/kg	240	7440-38-2	
Barium	12,100	1,000		ug/kg	240	7440-39-3	
Cadmium	Not detected	200		ug/kg	240	7440-43-9	
Chromium	4,910	500		ug/kg	240	7440-47-3	
Copper	6,820	500		ug/kg	240	7440-50-8	
Lead	4,360	300		ug/kg	240	7439-92-1	
Selenium	Not detected	400		ug/kg	240	7782-49-2	
Silver	Not detected	200		ug/kg	240	7440-22-4	
Zinc	20,100	500		ug/kg	240	7440-66-6	

Method: SW7471B, Run Date: 03/13/24 13:39, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	50		ug/kg	68	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 19:02, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	



Analytical Laboratory Report

Lab Sample ID: S59676.03 (continued)

Sample Tag: SB-3 1-2'

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 19:02, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 02:55, Analyst: NDK

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	60.5	60-29-7	
Acetone	Not detected	1,000		ug/kg	60.5	67-64-1	
Methyl iodide	Not detected	100		ug/kg	60.5	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	60.5	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	60.5	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	60.5	107-13-1	
2-Butanone (MEK)	Not detected	910		ug/kg	60.5	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	60.5	75-71-8	
Chloromethane	Not detected	300		ug/kg	60.5	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	60.5	75-01-4	
Bromomethane	Not detected	200		ug/kg	60.5	74-83-9	
Chloroethane	Not detected	300		ug/kg	60.5	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	60.5	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	60.5	75-35-4	
Methylene chloride	Not detected	100		ug/kg	60.5	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	60.5	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	60.5	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	60.5	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	60.5	109-99-9	
Chloroform	Not detected	60		ug/kg	60.5	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	60.5	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	60.5	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	60.5	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	60.5	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	60.5	56-23-5	
Benzene	Not detected	60		ug/kg	60.5	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	60.5	107-06-2	
Trichloroethene	Not detected	60		ug/kg	60.5	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	60.5	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	60.5	75-27-4	
Dibromomethane	Not detected	300		ug/kg	60.5	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	60.5	10061-01-5	
Toluene	Not detected	60		ug/kg	60.5	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	60.5	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	60.5	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	60.5	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	60.5	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	60.5	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	60.5	106-93-4	M

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S59676.03 (continued)

Sample Tag: SB-3 1-2'

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 02:55, Analyst: NDK (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chlorobenzene	Not detected	60		ug/kg	60.5	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	60.5	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	60.5	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	60.5		
o-Xylene	Not detected	60		ug/kg	60.5	95-47-6	
Styrene	Not detected	60		ug/kg	60.5	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	60.5	98-82-8	
Bromoform	Not detected	100		ug/kg	60.5	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	60.5	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	60.5	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	60.5	103-65-1	
Bromobenzene	Not detected	100		ug/kg	60.5	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	60.5	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	60.5	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	60.5	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	60.5	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	60.5	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	60.5	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	60.5	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	60.5	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	60.5	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	60.5	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	60.5	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	60.5	96-12-8	
1,2,4-Trichlorobenzene	Not detected	400		ug/kg	60.5	120-82-1	
1,2,3-Trichlorobenzene	Not detected	400		ug/kg	60.5	87-61-6	
Naphthalene	Not detected	300		ug/kg	60.5	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	60.5	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S59676.04
Sample Tag: SB-4 7-8'
Collected Date/Time: 03/08/2024 00:01
Matrix: Soil
COC Reference: 168457

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR
1	40mL Glass	MeOH	Yes	4.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	03/14/24 10:20	JRH	
PNA Extraction*	Completed	SW3546	03/12/24 14:30	JWR	
Sample wt. (g) / Methanol (ml)*	10.181/10	SW5035A	03/12/24 15:02	ACK	
Mercury Digestion	Completed	SW7471B	03/13/24 10:32	CTV	

Inorganics

Method: SM2540B, Run Date: 03/13/24 13:04, Analyst: MAM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	83	1		%	1		

Metals

Method: SW6020A, Run Date: 03/14/24 12:14, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	8,730	200		ug/kg	265	7440-38-2	
Barium	53,300	1,000		ug/kg	265	7440-39-3	
Cadmium	310	200		ug/kg	265	7440-43-9	
Chromium	10,500	500		ug/kg	265	7440-47-3	
Copper	29,000	500		ug/kg	265	7440-50-8	
Lead	443,000	300		ug/kg	265	7439-92-1	
Selenium	Not detected	400		ug/kg	265	7782-49-2	
Silver	Not detected	200		ug/kg	265	7440-22-4	
Zinc	71,500	500		ug/kg	265	7440-66-6	

Method: SW7471B, Run Date: 03/13/24 13:42, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	50		ug/kg	70	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 23:02, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	3,500	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	7,700	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	11,900	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	9,900	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	18,700	300		ug/kg	10	205-99-2	p
Benzo(k)fluoranthene	21,000	300		ug/kg	10	207-08-9	p
Benzo(ghi)perylene	3,800	300		ug/kg	10	191-24-2	
Chrysene	11,000	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	700	300		ug/kg	10	53-70-3	

p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.



Analytical Laboratory Report

Lab Sample ID: S59676.04 (continued)

Sample Tag: SB-4 7-8'

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 23:02, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Fluoranthene	26,900	300		ug/kg	10	206-44-0	
Fluorene	4,400	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	3,900	300		ug/kg	10	193-39-5	
Naphthalene	4,100	300		ug/kg	10	91-20-3	
Phenanthrene	25,300	300		ug/kg	10	85-01-8	
Pyrene	22,100	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	1,300	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	1,000	300		ug/kg	10	90-12-0	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 03:19, Analyst: NDK

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	69.4	60-29-7	
Acetone	Not detected	1,000		ug/kg	69.4	67-64-1	
Methyl iodide	Not detected	100		ug/kg	69.4	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	69.4	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	69.4	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	69.4	107-13-1	
2-Butanone (MEK)	Not detected	1,000		ug/kg	69.4	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	69.4	75-71-8	
Chloromethane	Not detected	300		ug/kg	69.4	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	69.4	75-01-4	
Bromomethane	Not detected	300		ug/kg	69.4	74-83-9	
Chloroethane	Not detected	300		ug/kg	69.4	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	69.4	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	69.4	75-35-4	
Methylene chloride	Not detected	100		ug/kg	69.4	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	69.4	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	69.4	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	69.4	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	69.4	109-99-9	
Chloroform	Not detected	70		ug/kg	69.4	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	69.4	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	69.4	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	69.4	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	69.4	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	69.4	56-23-5	
Benzene	Not detected	70		ug/kg	69.4	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	69.4	107-06-2	
Trichloroethene	Not detected	70		ug/kg	69.4	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	69.4	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	69.4	75-27-4	
Dibromomethane	Not detected	300		ug/kg	69.4	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	69.4	10061-01-5	
Toluene	Not detected	70		ug/kg	69.4	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	69.4	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	69.4	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	69.4	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	69.4	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	69.4	124-48-1	



Analytical Laboratory Report

Lab Sample ID: S59676.04 (continued)
Sample Tag: SB-4 7-8'

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 03:19, Analyst: NDK (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dibromoethane	Not detected	30		ug/kg	69.4	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	69.4	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	69.4	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	69.4	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	69.4		
o-Xylene	Not detected	70		ug/kg	69.4	95-47-6	
Styrene	Not detected	70		ug/kg	69.4	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	69.4	98-82-8	
Bromoform	Not detected	100		ug/kg	69.4	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	69.4	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	69.4	96-18-4	
n-Propylbenzene	Not detected	70		ug/kg	69.4	103-65-1	
Bromobenzene	Not detected	100		ug/kg	69.4	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	69.4	108-67-8	
tert-Butylbenzene	Not detected	70		ug/kg	69.4	98-06-6	
1,2,4-Trimethylbenzene	Not detected	70		ug/kg	69.4	95-63-6	
sec-Butylbenzene	Not detected	70		ug/kg	69.4	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	69.4	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	69.4	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	69.4	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	69.4	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	69.4	526-73-8	
n-Butylbenzene	Not detected	70		ug/kg	69.4	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	69.4	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	69.4	96-12-8	
1,2,4-Trichlorobenzene	Not detected	460		ug/kg	69.4	120-82-1	
1,2,3-Trichlorobenzene	Not detected	460		ug/kg	69.4	87-61-6	
Naphthalene	1,900	300		ug/kg	69.4	91-20-3	
2-Methylnaphthalene	700	100		ug/kg	69.4	91-57-6	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S59676.05

Sample Tag: SB-5 0-1'

Collected Date/Time: 03/08/2024 00:01

Matrix: Soil

COC Reference: 168457

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR
1	40mL Glass	MeOH	Yes	4.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	03/14/24 10:20	JRH	
PNA Extraction*	Completed	SW3546	03/12/24 14:30	JWR	
Sample wt. (g) / Methanol (ml)*	9.425/10	SW5035A	03/12/24 15:02	ACK	
Mercury Digestion	Completed	SW7471B	03/13/24 10:32	CTV	

Inorganics

Method: SM2540B, Run Date: 03/13/24 13:04, Analyst: MAM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	80	1		%	1		

Metals

Method: SW6020A, Run Date: 03/14/24 12:16, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	7,090	200		ug/kg	295	7440-38-2	
Barium	54,600	1,000		ug/kg	295	7440-39-3	
Cadmium	280	200		ug/kg	295	7440-43-9	
Chromium	13,100	500		ug/kg	295	7440-47-3	
Copper	16,600	500		ug/kg	295	7440-50-8	
Lead	29,600	300		ug/kg	295	7439-92-1	
Selenium	Not detected	400		ug/kg	295	7782-49-2	
Silver	Not detected	200		ug/kg	295	7440-22-4	
Zinc	58,600	500		ug/kg	295	7440-66-6	

Method: SW7471B, Run Date: 03/13/24 13:46, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	58	50		ug/kg	71	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 21:19, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	400	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	800	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	1,800	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	1,600	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	3,100	300		ug/kg	10	205-99-2	p
Benzo(k)fluoranthene	3,500	300		ug/kg	10	207-08-9	p
Benzo(ghi)perylene	700	300		ug/kg	10	191-24-2	
Chrysene	1,800	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	

p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.



Analytical Laboratory Report

Lab Sample ID: S59676.05 (continued)

Sample Tag: SB-5 0-1'

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 21:19, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Fluoranthene	4,300	300		ug/kg	10	206-44-0	
Fluorene	400	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	700	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	3,300	300		ug/kg	10	85-01-8	
Pyrene	3,300	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 03:43, Analyst: NDK

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	78.8	60-29-7	
Acetone	Not detected	2,000		ug/kg	78.8	67-64-1	
Methyl iodide	Not detected	200		ug/kg	78.8	74-88-4	
Carbon disulfide	Not detected	400		ug/kg	78.8	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	78.8	1634-04-4	
Acrylonitrile	Not detected	200		ug/kg	78.8	107-13-1	
2-Butanone (MEK)	Not detected	1,200		ug/kg	78.8	78-93-3	
Dichlorodifluoromethane	Not detected	400		ug/kg	78.8	75-71-8	
Chloromethane	Not detected	400		ug/kg	78.8	74-87-3	
Vinyl chloride	Not detected	80		ug/kg	78.8	75-01-4	
Bromomethane	Not detected	300		ug/kg	78.8	74-83-9	
Chloroethane	Not detected	400		ug/kg	78.8	75-00-3	
Trichlorofluoromethane	Not detected	200		ug/kg	78.8	75-69-4	
1,1-Dichloroethene	Not detected	80		ug/kg	78.8	75-35-4	
Methylene chloride	Not detected	200		ug/kg	78.8	75-09-2	
trans-1,2-Dichloroethene	Not detected	80		ug/kg	78.8	156-60-5	
1,1-Dichloroethane	Not detected	80		ug/kg	78.8	75-34-3	
cis-1,2-Dichloroethene	Not detected	80		ug/kg	78.8	156-59-2	
Tetrahydrofuran*	Not detected	2,000		ug/kg	78.8	109-99-9	
Chloroform	Not detected	80		ug/kg	78.8	67-66-3	
Bromochloromethane	Not detected	200		ug/kg	78.8	74-97-5	
1,1,1-Trichloroethane	Not detected	80		ug/kg	78.8	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	4,000		ug/kg	78.8	108-10-1	
2-Hexanone	Not detected	4,000		ug/kg	78.8	591-78-6	
Carbon tetrachloride	Not detected	80		ug/kg	78.8	56-23-5	
Benzene	Not detected	80		ug/kg	78.8	71-43-2	
1,2-Dichloroethane	Not detected	80		ug/kg	78.8	107-06-2	
Trichloroethene	Not detected	80		ug/kg	78.8	79-01-6	
1,2-Dichloropropane	Not detected	80		ug/kg	78.8	78-87-5	
Bromodichloromethane	Not detected	200		ug/kg	78.8	75-27-4	
Dibromomethane	Not detected	400		ug/kg	78.8	74-95-3	
cis-1,3-Dichloropropene	Not detected	80		ug/kg	78.8	10061-01-5	
Toluene	Not detected	80		ug/kg	78.8	108-88-3	
trans-1,3-Dichloropropene	Not detected	80		ug/kg	78.8	10061-02-6	
1,1,2-Trichloroethane	Not detected	80		ug/kg	78.8	79-00-5	
Tetrachloroethene	Not detected	80		ug/kg	78.8	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	80		ug/kg	78.8	110-57-6	
Dibromochloromethane	Not detected	200		ug/kg	78.8	124-48-1	



Analytical Laboratory Report

Lab Sample ID: S59676.05 (continued)

Sample Tag: SB-5 0-1'

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 03:43, Analyst: NDK (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dibromoethane	Not detected	30		ug/kg	78.8	106-93-4	M
Chlorobenzene	Not detected	80		ug/kg	78.8	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	200		ug/kg	78.8	630-20-6	
Ethylbenzene	Not detected	80		ug/kg	78.8	100-41-4	
p,m-Xylene	Not detected	200		ug/kg	78.8		
o-Xylene	Not detected	80		ug/kg	78.8	95-47-6	
Styrene	Not detected	80		ug/kg	78.8	100-42-5	
Isopropylbenzene	Not detected	400		ug/kg	78.8	98-82-8	
Bromoform	Not detected	200		ug/kg	78.8	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	80		ug/kg	78.8	79-34-5	
1,2,3-Trichloropropane	Not detected	200		ug/kg	78.8	96-18-4	
n-Propylbenzene	Not detected	80		ug/kg	78.8	103-65-1	
Bromobenzene	Not detected	200		ug/kg	78.8	108-86-1	
1,3,5-Trimethylbenzene	Not detected	80		ug/kg	78.8	108-67-8	
tert-Butylbenzene	Not detected	80		ug/kg	78.8	98-06-6	
1,2,4-Trimethylbenzene	Not detected	80		ug/kg	78.8	95-63-6	
sec-Butylbenzene	Not detected	80		ug/kg	78.8	135-98-8	
p-Isopropyltoluene	Not detected	200		ug/kg	78.8	99-87-6	
1,3-Dichlorobenzene	Not detected	200		ug/kg	78.8	541-73-1	
1,4-Dichlorobenzene	Not detected	200		ug/kg	78.8	106-46-7	
1,2-Dichlorobenzene	Not detected	200		ug/kg	78.8	95-50-1	
1,2,3-Trimethylbenzene	Not detected	80		ug/kg	78.8	526-73-8	
n-Butylbenzene	Not detected	80		ug/kg	78.8	104-51-8	
Hexachloroethane	Not detected	500		ug/kg	78.8	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	400		ug/kg	78.8	96-12-8	
1,2,4-Trichlorobenzene	Not detected	520		ug/kg	78.8	120-82-1	
1,2,3-Trichlorobenzene	Not detected	520		ug/kg	78.8	87-61-6	
Naphthalene	Not detected	400		ug/kg	78.8	91-20-3	
2-Methylnaphthalene	Not detected	200		ug/kg	78.8	91-57-6	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S59676.06
Sample Tag: SB-6 3-4'
Collected Date/Time: 03/08/2024 00:01
Matrix: Soil
COC Reference: 168457

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR
1	40mL Glass	MeOH	Yes	4.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	03/14/24 10:20	JRH	
PNA Extraction*	Completed	SW3546	03/12/24 14:30	JWR	
Sample wt. (g) / Methanol (ml)*	10.714/10	SW5035A	03/12/24 15:02	ACK	
Mercury Digestion	Completed	SW7471B	03/13/24 10:32	CTV	

Inorganics

Method: SM2540B, Run Date: 03/13/24 13:04, Analyst: MAM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	82	1		%	1		

Metals

Method: SW6020A, Run Date: 03/14/24 12:18, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	10,300	200		ug/kg	286	7440-38-2	
Barium	128,000	1,000		ug/kg	286	7440-39-3	
Cadmium	780	200		ug/kg	286	7440-43-9	
Chromium	9,180	500		ug/kg	286	7440-47-3	
Copper	36,800	500		ug/kg	286	7440-50-8	
Lead	109,000	300		ug/kg	286	7439-92-1	
Selenium	Not detected	400		ug/kg	286	7782-49-2	
Silver	Not detected	200		ug/kg	286	7440-22-4	
Zinc	106,000	500		ug/kg	286	7440-66-6	

Method: SW7471B, Run Date: 03/13/24 13:49, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	50		ug/kg	67	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/14/24 00:11, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	5,200	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	14,400	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	23,000	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	14,400	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	26,700	300		ug/kg	10	205-99-2	p
Benzo(k)fluoranthene	29,900	300		ug/kg	10	207-08-9	p
Benzo(ghi)perylene	6,800	300		ug/kg	10	191-24-2	
Chrysene	21,500	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	1,300	300		ug/kg	10	53-70-3	

p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.



Analytical Laboratory Report

Lab Sample ID: S59676.06 (continued)

Sample Tag: SB-6 3-4'

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/14/24 00:11, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Fluoranthene	42,400	300		ug/kg	10	206-44-0	
Fluorene	7,900	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	6,600	300		ug/kg	10	193-39-5	
Naphthalene	5,400	300		ug/kg	10	91-20-3	
Phenanthrene	44,300	300		ug/kg	10	85-01-8	
Pyrene	53,800	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	1,900	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	1,300	300		ug/kg	10	90-12-0	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 04:06, Analyst: NDK

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	67.9	60-29-7	
Acetone	Not detected	1,000		ug/kg	67.9	67-64-1	
Methyl iodide	Not detected	100		ug/kg	67.9	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	67.9	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	67.9	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	67.9	107-13-1	
2-Butanone (MEK)	Not detected	1,000		ug/kg	67.9	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	67.9	75-71-8	
Chloromethane	Not detected	300		ug/kg	67.9	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	67.9	75-01-4	
Bromomethane	Not detected	300		ug/kg	67.9	74-83-9	
Chloroethane	Not detected	300		ug/kg	67.9	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	67.9	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	67.9	75-35-4	
Methylene chloride	Not detected	100		ug/kg	67.9	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	67.9	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	67.9	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	67.9	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	67.9	109-99-9	
Chloroform	Not detected	70		ug/kg	67.9	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	67.9	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	67.9	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	67.9	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	67.9	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	67.9	56-23-5	
Benzene	Not detected	70		ug/kg	67.9	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	67.9	107-06-2	
Trichloroethene	Not detected	70		ug/kg	67.9	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	67.9	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	67.9	75-27-4	
Dibromomethane	Not detected	300		ug/kg	67.9	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	67.9	10061-01-5	
Toluene	Not detected	70		ug/kg	67.9	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	67.9	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	67.9	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	67.9	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	67.9	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	67.9	124-48-1	



Analytical Laboratory Report

Lab Sample ID: S59676.06 (continued)
Sample Tag: SB-6 3-4'

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 04:06, Analyst: NDK (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dibromoethane	Not detected	30		ug/kg	67.9	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	67.9	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	67.9	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	67.9	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	67.9		
o-Xylene	Not detected	70		ug/kg	67.9	95-47-6	
Styrene	Not detected	70		ug/kg	67.9	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	67.9	98-82-8	
Bromoform	Not detected	100		ug/kg	67.9	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	67.9	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	67.9	96-18-4	
n-Propylbenzene	Not detected	70		ug/kg	67.9	103-65-1	
Bromobenzene	Not detected	100		ug/kg	67.9	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	67.9	108-67-8	
tert-Butylbenzene	Not detected	70		ug/kg	67.9	98-06-6	
1,2,4-Trimethylbenzene	Not detected	70		ug/kg	67.9	95-63-6	
sec-Butylbenzene	Not detected	70		ug/kg	67.9	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	67.9	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	67.9	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	67.9	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	67.9	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	67.9	526-73-8	
n-Butylbenzene	Not detected	70		ug/kg	67.9	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	67.9	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	67.9	96-12-8	
1,2,4-Trichlorobenzene	Not detected	450		ug/kg	67.9	120-82-1	
1,2,3-Trichlorobenzene	Not detected	450		ug/kg	67.9	87-61-6	
Naphthalene	1,100	300		ug/kg	67.9	91-20-3	
2-Methylnaphthalene	500	100		ug/kg	67.9	91-57-6	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S59676.07
Sample Tag: SB-7 2-3'
Collected Date/Time: 03/08/2024 00:01
Matrix: Soil
COC Reference: 168457

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR
1	40mL Glass	MeOH	Yes	4.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	03/14/24 10:20	JRH	
PNA Extraction*	Completed	SW3546	03/12/24 14:30	JWR	
Sample wt. (g) / Methanol (ml)*	9.444/10	SW5035A	03/12/24 15:02	ACK	
Mercury Digestion	Completed	SW7471B	03/13/24 10:32	CTV	

Inorganics

Method: SM2540B, Run Date: 03/13/24 13:04, Analyst: MAM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Metals

Method: SW6020A, Run Date: 03/14/24 12:20, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	6,650	200		ug/kg	239	7440-38-2	
Barium	117,000	1,000		ug/kg	239	7440-39-3	
Cadmium	310	200		ug/kg	239	7440-43-9	
Chromium	12,400	500		ug/kg	239	7440-47-3	
Copper	18,000	500		ug/kg	239	7440-50-8	
Lead	177,000	300		ug/kg	239	7439-92-1	
Selenium	Not detected	400		ug/kg	239	7782-49-2	
Silver	Not detected	200		ug/kg	239	7440-22-4	
Zinc	110,000	500		ug/kg	239	7440-66-6	

Method: SW7471B, Run Date: 03/13/24 13:52, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	220	50		ug/kg	56	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 21:53, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	600	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	500	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	1,000	300		ug/kg	10	205-99-2	p
Benzo(k)fluoranthene	1,100	300		ug/kg	10	207-08-9	p
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	600	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	

p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.



Analytical Laboratory Report

Lab Sample ID: S59676.07 (continued)

Sample Tag: SB-7 2-3'

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 21:53, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Fluoranthene	1,000	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	300	300		ug/kg	10	85-01-8	
Pyrene	800	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 04:30, Analyst: NDK

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	65.7	60-29-7	
Acetone	Not detected	1,000		ug/kg	65.7	67-64-1	
Methyl iodide	Not detected	100		ug/kg	65.7	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	65.7	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	65.7	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	65.7	107-13-1	
2-Butanone (MEK)	Not detected	990		ug/kg	65.7	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	65.7	75-71-8	
Chloromethane	Not detected	300		ug/kg	65.7	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	65.7	75-01-4	
Bromomethane	Not detected	300		ug/kg	65.7	74-83-9	
Chloroethane	Not detected	300		ug/kg	65.7	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	65.7	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	65.7	75-35-4	
Methylene chloride	Not detected	100		ug/kg	65.7	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	65.7	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	65.7	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	65.7	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	65.7	109-99-9	
Chloroform	Not detected	70		ug/kg	65.7	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	65.7	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	65.7	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	65.7	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	65.7	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	65.7	56-23-5	
Benzene	Not detected	70		ug/kg	65.7	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	65.7	107-06-2	
Trichloroethene	Not detected	70		ug/kg	65.7	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	65.7	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	65.7	75-27-4	
Dibromomethane	Not detected	300		ug/kg	65.7	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	65.7	10061-01-5	
Toluene	Not detected	70		ug/kg	65.7	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	65.7	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	65.7	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	65.7	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	65.7	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	65.7	124-48-1	



Analytical Laboratory Report

Lab Sample ID: S59676.07 (continued)

Sample Tag: SB-7 2-3'

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 04:30, Analyst: NDK (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dibromoethane	Not detected	30		ug/kg	65.7	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	65.7	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	65.7	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	65.7	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	65.7		
o-Xylene	Not detected	70		ug/kg	65.7	95-47-6	
Styrene	Not detected	70		ug/kg	65.7	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	65.7	98-82-8	
Bromoform	Not detected	100		ug/kg	65.7	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	65.7	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	65.7	96-18-4	
n-Propylbenzene	Not detected	70		ug/kg	65.7	103-65-1	
Bromobenzene	Not detected	100		ug/kg	65.7	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	65.7	108-67-8	
tert-Butylbenzene	Not detected	70		ug/kg	65.7	98-06-6	
1,2,4-Trimethylbenzene	Not detected	70		ug/kg	65.7	95-63-6	
sec-Butylbenzene	Not detected	70		ug/kg	65.7	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	65.7	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	65.7	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	65.7	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	65.7	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	65.7	526-73-8	
n-Butylbenzene	Not detected	70		ug/kg	65.7	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	65.7	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	65.7	96-12-8	
1,2,4-Trichlorobenzene	Not detected	430		ug/kg	65.7	120-82-1	
1,2,3-Trichlorobenzene	Not detected	430		ug/kg	65.7	87-61-6	
Naphthalene	Not detected	300		ug/kg	65.7	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	65.7	91-57-6	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S59676.08
Sample Tag: SB-8 1-2'
Collected Date/Time: 03/08/2024 00:01
Matrix: Soil
COC Reference: 168457

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR
1	40mL Glass	MeOH	Yes	4.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	03/14/24 10:20	JRH	
PNA Extraction*	Completed	SW3546	03/12/24 14:30	JWR	
Sample wt. (g) / Methanol (ml)*	9.845/10	SW5035A	03/12/24 15:02	ACK	
Mercury Digestion	Completed	SW7471B	03/13/24 10:32	CTV	

Inorganics

Method: SM2540B, Run Date: 03/13/24 13:04, Analyst: MAM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	88	1		%	1		

Metals

Method: SW6020A, Run Date: 03/14/24 12:22, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	8,980	200		ug/kg	277	7440-38-2	
Barium	93,200	1,000		ug/kg	277	7440-39-3	
Cadmium	1,410	200		ug/kg	277	7440-43-9	
Chromium	18,300	500		ug/kg	277	7440-47-3	
Copper	36,400	500		ug/kg	277	7440-50-8	
Lead	178,000	300		ug/kg	277	7439-92-1	
Selenium	520	400		ug/kg	277	7782-49-2	
Silver	510	200		ug/kg	277	7440-22-4	
Zinc	185,000	500		ug/kg	277	7440-66-6	

Method: SW7471B, Run Date: 03/13/24 13:55, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	87	50		ug/kg	71	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 23:19, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	900	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	2,400	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	5,800	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	5,300	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	10,400	300		ug/kg	10	205-99-2	p
Benzo(k)fluoranthene	11,700	300		ug/kg	10	207-08-9	p
Benzo(ghi)perylene	2,300	300		ug/kg	10	191-24-2	
Chrysene	5,500	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	400	300		ug/kg	10	53-70-3	

p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.



Analytical Laboratory Report

Lab Sample ID: S59676.08 (continued)

Sample Tag: SB-8 1-2'

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 23:19, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Fluoranthene	12,500	300		ug/kg	10	206-44-0	
Fluorene	1,100	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	2,200	300		ug/kg	10	193-39-5	
Naphthalene	700	300		ug/kg	10	91-20-3	
Phenanthrene	9,200	300		ug/kg	10	85-01-8	
Pyrene	11,000	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 04:54, Analyst: NDK

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	64.5	60-29-7	
Acetone	Not detected	1,000		ug/kg	64.5	67-64-1	
Methyl iodide	Not detected	100		ug/kg	64.5	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	64.5	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	64.5	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	64.5	107-13-1	
2-Butanone (MEK)	Not detected	970		ug/kg	64.5	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	64.5	75-71-8	
Chloromethane	Not detected	300		ug/kg	64.5	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	64.5	75-01-4	
Bromomethane	Not detected	300		ug/kg	64.5	74-83-9	
Chloroethane	Not detected	300		ug/kg	64.5	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	64.5	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	64.5	75-35-4	
Methylene chloride	Not detected	100		ug/kg	64.5	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	64.5	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	64.5	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	64.5	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	64.5	109-99-9	
Chloroform	Not detected	60		ug/kg	64.5	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	64.5	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	64.5	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	64.5	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	64.5	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	64.5	56-23-5	
Benzene	Not detected	60		ug/kg	64.5	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	64.5	107-06-2	
Trichloroethene	Not detected	60		ug/kg	64.5	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	64.5	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	64.5	75-27-4	
Dibromomethane	Not detected	300		ug/kg	64.5	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	64.5	10061-01-5	
Toluene	Not detected	60		ug/kg	64.5	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	64.5	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	64.5	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	64.5	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	64.5	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	64.5	124-48-1	



Analytical Laboratory Report

Lab Sample ID: S59676.08 (continued)

Sample Tag: SB-8 1-2'

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 04:54, Analyst: NDK (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dibromoethane	Not detected	30		ug/kg	64.5	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	64.5	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	64.5	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	64.5	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	64.5		
o-Xylene	Not detected	60		ug/kg	64.5	95-47-6	
Styrene	Not detected	60		ug/kg	64.5	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	64.5	98-82-8	
Bromoform	Not detected	100		ug/kg	64.5	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	64.5	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	64.5	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	64.5	103-65-1	
Bromobenzene	Not detected	100		ug/kg	64.5	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	64.5	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	64.5	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	64.5	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	64.5	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	64.5	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	64.5	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	64.5	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	64.5	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	64.5	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	64.5	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	64.5	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	64.5	96-12-8	
1,2,4-Trichlorobenzene	Not detected	430		ug/kg	64.5	120-82-1	
1,2,3-Trichlorobenzene	Not detected	430		ug/kg	64.5	87-61-6	
Naphthalene	Not detected	300		ug/kg	64.5	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	64.5	91-57-6	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S59676.09
Sample Tag: SB-9 2-3'
Collected Date/Time: 03/08/2024 00:01
Matrix: Soil
COC Reference: 168457

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR
1	40mL Glass	MeOH	Yes	4.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	03/14/24 10:20	JRH	
PNA Extraction*	Completed	SW3546	03/12/24 14:30	JWR	
Sample wt. (g) / Methanol (ml)*	11.323/11	SW5035A	03/12/24 15:02	ACK	
Mercury Digestion	Completed	SW7471B	03/13/24 10:32	CTV	

Inorganics

Method: SM2540B, Run Date: 03/13/24 13:04, Analyst: MAM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	86	1		%	1		

Metals

Method: SW6020A, Run Date: 03/14/24 12:24, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	7,910	200		ug/kg	263	7440-38-2	
Barium	75,600	1,000		ug/kg	263	7440-39-3	
Cadmium	220	200		ug/kg	263	7440-43-9	
Chromium	13,600	500		ug/kg	263	7440-47-3	
Copper	13,800	500		ug/kg	263	7440-50-8	
Lead	16,600	300		ug/kg	263	7439-92-1	
Selenium	Not detected	400		ug/kg	263	7782-49-2	
Silver	Not detected	200		ug/kg	263	7440-22-4	
Zinc	46,500	500		ug/kg	263	7440-66-6	

Method: SW7471B, Run Date: 03/13/24 13:59, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	50		ug/kg	71	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 21:36, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	700	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	1,500	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	1,300	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	2,500	300		ug/kg	10	205-99-2	p
Benzo(k)fluoranthene	2,800	300		ug/kg	10	207-08-9	p
Benzo(ghi)perylene	500	300		ug/kg	10	191-24-2	
Chrysene	1,400	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	

p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.



Analytical Laboratory Report

Lab Sample ID: S59676.09 (continued)

Sample Tag: SB-9 2-3'

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 21:36, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Fluoranthene	3,600	300		ug/kg	10	206-44-0	
Fluorene	300	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	600	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	2,600	300		ug/kg	10	85-01-8	
Pyrene	2,700	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 05:17, Analyst: NDK

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	64.6	60-29-7	
Acetone	Not detected	1,000		ug/kg	64.6	67-64-1	
Methyl iodide	Not detected	100		ug/kg	64.6	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	64.6	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	64.6	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	64.6	107-13-1	
2-Butanone (MEK)	Not detected	970		ug/kg	64.6	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	64.6	75-71-8	
Chloromethane	Not detected	300		ug/kg	64.6	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	64.6	75-01-4	
Bromomethane	Not detected	300		ug/kg	64.6	74-83-9	
Chloroethane	Not detected	300		ug/kg	64.6	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	64.6	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	64.6	75-35-4	
Methylene chloride	Not detected	100		ug/kg	64.6	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	64.6	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	64.6	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	64.6	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	64.6	109-99-9	
Chloroform	Not detected	60		ug/kg	64.6	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	64.6	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	64.6	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	64.6	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	64.6	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	64.6	56-23-5	
Benzene	Not detected	60		ug/kg	64.6	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	64.6	107-06-2	
Trichloroethene	Not detected	60		ug/kg	64.6	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	64.6	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	64.6	75-27-4	
Dibromomethane	Not detected	300		ug/kg	64.6	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	64.6	10061-01-5	
Toluene	Not detected	60		ug/kg	64.6	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	64.6	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	64.6	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	64.6	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	64.6	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	64.6	124-48-1	



Analytical Laboratory Report

Lab Sample ID: S59676.09 (continued)
Sample Tag: SB-9 2-3'

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 05:17, Analyst: NDK (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dibromoethane	Not detected	30		ug/kg	64.6	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	64.6	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	64.6	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	64.6	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	64.6		
o-Xylene	Not detected	60		ug/kg	64.6	95-47-6	
Styrene	Not detected	60		ug/kg	64.6	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	64.6	98-82-8	
Bromoform	Not detected	100		ug/kg	64.6	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	64.6	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	64.6	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	64.6	103-65-1	
Bromobenzene	Not detected	100		ug/kg	64.6	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	64.6	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	64.6	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	64.6	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	64.6	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	64.6	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	64.6	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	64.6	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	64.6	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	64.6	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	64.6	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	64.6	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	64.6	96-12-8	
1,2,4-Trichlorobenzene	Not detected	430		ug/kg	64.6	120-82-1	
1,2,3-Trichlorobenzene	Not detected	430		ug/kg	64.6	87-61-6	
Naphthalene	Not detected	300		ug/kg	64.6	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	64.6	91-57-6	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S59676.10
Sample Tag: SB-10 2.5-3.5'
Collected Date/Time: 03/08/2024 00:01
Matrix: Soil
COC Reference: 168457

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR
1	40mL Glass	MeOH	Yes	4.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	03/14/24 10:20	JRH	
PNA Extraction*	Completed	SW3546	03/12/24 14:30	JWR	
Sample wt. (g) / Methanol (ml)*	11.797/11	SW5035A	03/12/24 15:02	ACK	
Mercury Digestion	Completed	SW7471B	03/13/24 10:32	CTV	

Inorganics

Method: SM2540B, Run Date: 03/13/24 13:04, Analyst: MAM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	85	1		%	1		

Metals

Method: SW6020A, Run Date: 03/14/24 12:47, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	5,180	200		ug/kg	246	7440-38-2	
Barium	75,000	1,000		ug/kg	246	7440-39-3	
Cadmium	510	200		ug/kg	246	7440-43-9	
Chromium	6,590	500		ug/kg	246	7440-47-3	
Copper	15,000	500		ug/kg	246	7440-50-8	
Lead	40,300	300		ug/kg	246	7439-92-1	
Selenium	430	400		ug/kg	246	7782-49-2	
Silver	Not detected	200		ug/kg	246	7440-22-4	
Zinc	77,400	500		ug/kg	246	7440-66-6	

Method: SW7471B, Run Date: 03/13/24 14:02, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	50		ug/kg	73	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 19:19, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	



Analytical Laboratory Report

Lab Sample ID: S59676.10 (continued)

Sample Tag: SB-10 2.5-3.5'

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 19:19, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 05:42, Analyst: NDK

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	63.7	60-29-7	
Acetone	Not detected	1,000		ug/kg	63.7	67-64-1	
Methyl iodide	Not detected	100		ug/kg	63.7	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	63.7	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	63.7	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	63.7	107-13-1	
2-Butanone (MEK)	Not detected	960		ug/kg	63.7	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	63.7	75-71-8	
Chloromethane	Not detected	300		ug/kg	63.7	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	63.7	75-01-4	
Bromomethane	Not detected	300		ug/kg	63.7	74-83-9	
Chloroethane	Not detected	300		ug/kg	63.7	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	63.7	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	63.7	75-35-4	
Methylene chloride	Not detected	100		ug/kg	63.7	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	63.7	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	63.7	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	63.7	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	63.7	109-99-9	
Chloroform	Not detected	60		ug/kg	63.7	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	63.7	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	63.7	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	63.7	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	63.7	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	63.7	56-23-5	
Benzene	Not detected	60		ug/kg	63.7	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	63.7	107-06-2	
Trichloroethene	Not detected	60		ug/kg	63.7	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	63.7	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	63.7	75-27-4	
Dibromomethane	Not detected	300		ug/kg	63.7	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	63.7	10061-01-5	
Toluene	Not detected	60		ug/kg	63.7	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	63.7	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	63.7	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	63.7	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	63.7	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	63.7	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	63.7	106-93-4	M

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S59676.10 (continued)
Sample Tag: SB-10 2.5-3.5'

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 05:42, Analyst: NDK (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chlorobenzene	Not detected	60		ug/kg	63.7	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	63.7	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	63.7	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	63.7		
o-Xylene	Not detected	60		ug/kg	63.7	95-47-6	
Styrene	Not detected	60		ug/kg	63.7	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	63.7	98-82-8	
Bromoform	Not detected	100		ug/kg	63.7	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	63.7	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	63.7	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	63.7	103-65-1	
Bromobenzene	Not detected	100		ug/kg	63.7	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	63.7	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	63.7	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	63.7	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	63.7	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	63.7	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	63.7	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	63.7	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	63.7	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	63.7	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	63.7	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	63.7	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	63.7	96-12-8	
1,2,4-Trichlorobenzene	Not detected	420		ug/kg	63.7	120-82-1	
1,2,3-Trichlorobenzene	Not detected	420		ug/kg	63.7	87-61-6	
Naphthalene	Not detected	300		ug/kg	63.7	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	63.7	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S59676.11
Sample Tag: SB-11 3-4'
Collected Date/Time: 03/08/2024 00:01
Matrix: Soil
COC Reference: 168457

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR
1	40mL Glass	MeOH	Yes	4.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	03/14/24 10:20	JRH	
PNA Extraction*	Completed	SW3546	03/12/24 14:30	JWR	
Sample wt. (g) / Methanol (ml)*	9.758/10	SW5035A	03/12/24 15:02	ACK	
Mercury Digestion	Completed	SW7471B	03/13/24 10:32	CTV	

Inorganics

Method: SM2540B, Run Date: 03/13/24 13:04, Analyst: MAM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	88	1		%	1		

Metals

Method: SW6020A, Run Date: 03/14/24 12:49, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	4,410	200		ug/kg	247	7440-38-2	
Barium	49,600	1,000		ug/kg	247	7440-39-3	
Cadmium	Not detected	200		ug/kg	247	7440-43-9	
Chromium	7,830	500		ug/kg	247	7440-47-3	
Copper	5,580	500		ug/kg	247	7440-50-8	
Lead	7,860	300		ug/kg	247	7439-92-1	
Selenium	Not detected	400		ug/kg	247	7782-49-2	
Silver	Not detected	200		ug/kg	247	7440-22-4	
Zinc	21,800	500		ug/kg	247	7440-66-6	

Method: SW7471B, Run Date: 03/13/24 14:12, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	50		ug/kg	65	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 19:36, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	



Analytical Laboratory Report

Lab Sample ID: S59676.11 (continued)

Sample Tag: SB-11 3-4'

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 19:36, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 06:05, Analyst: NDK

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	65	60-29-7	
Acetone	Not detected	1,000		ug/kg	65	67-64-1	
Methyl iodide	Not detected	100		ug/kg	65	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	65	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	65	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	65	107-13-1	
2-Butanone (MEK)	Not detected	980		ug/kg	65	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	65	75-71-8	
Chloromethane	Not detected	300		ug/kg	65	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	65	75-01-4	
Bromomethane	Not detected	300		ug/kg	65	74-83-9	
Chloroethane	Not detected	300		ug/kg	65	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	65	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	65	75-35-4	
Methylene chloride	Not detected	100		ug/kg	65	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	65	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	65	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	65	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	65	109-99-9	
Chloroform	Not detected	70		ug/kg	65	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	65	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	65	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	65	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	65	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	65	56-23-5	
Benzene	Not detected	70		ug/kg	65	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	65	107-06-2	
Trichloroethene	Not detected	70		ug/kg	65	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	65	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	65	75-27-4	
Dibromomethane	Not detected	300		ug/kg	65	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	65	10061-01-5	
Toluene	Not detected	70		ug/kg	65	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	65	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	65	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	65	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	65	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	65	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	65	106-93-4	M

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S59676.11 (continued)

Sample Tag: SB-11 3-4'

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 06:05, Analyst: NDK (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chlorobenzene	Not detected	70		ug/kg	65	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	65	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	65	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	65		
o-Xylene	Not detected	70		ug/kg	65	95-47-6	
Styrene	Not detected	70		ug/kg	65	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	65	98-82-8	
Bromoform	Not detected	100		ug/kg	65	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	65	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	65	96-18-4	
n-Propylbenzene	Not detected	70		ug/kg	65	103-65-1	
Bromobenzene	Not detected	100		ug/kg	65	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	65	108-67-8	
tert-Butylbenzene	Not detected	70		ug/kg	65	98-06-6	
1,2,4-Trimethylbenzene	Not detected	70		ug/kg	65	95-63-6	
sec-Butylbenzene	Not detected	70		ug/kg	65	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	65	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	65	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	65	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	65	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	65	526-73-8	
n-Butylbenzene	Not detected	70		ug/kg	65	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	65	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	65	96-12-8	
1,2,4-Trichlorobenzene	Not detected	430		ug/kg	65	120-82-1	
1,2,3-Trichlorobenzene	Not detected	430		ug/kg	65	87-61-6	
Naphthalene	Not detected	300		ug/kg	65	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	65	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S59676.12
Sample Tag: SB-12 1-2'
Collected Date/Time: 03/08/2024 00:01
Matrix: Soil
COC Reference: 168457

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR
1	40mL Glass	MeOH	Yes	4.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	03/14/24 10:20	JRH	
PNA Extraction*	Completed	SW3546	03/12/24 14:30	JWR	
Sample wt. (g) / Methanol (ml)*	10.116/10	SW5035A	03/12/24 15:02	ACK	
Mercury Digestion	Completed	SW7471B	03/13/24 10:32	CTV	

Inorganics

Method: SM2540B, Run Date: 03/13/24 13:04, Analyst: MAM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Metals

Method: SW6020A, Run Date: 03/14/24 12:51, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	3,720	200		ug/kg	256	7440-38-2	
Barium	25,700	1,000		ug/kg	256	7440-39-3	
Cadmium	250	200		ug/kg	256	7440-43-9	
Chromium	3,700	500		ug/kg	256	7440-47-3	
Copper	5,720	500		ug/kg	256	7440-50-8	
Lead	6,900	300		ug/kg	256	7439-92-1	
Selenium	Not detected	400		ug/kg	256	7782-49-2	
Silver	Not detected	200		ug/kg	256	7440-22-4	
Zinc	12,900	500		ug/kg	256	7440-66-6	

Method: SW7471B, Run Date: 03/13/24 14:15, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	50		ug/kg	63	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 19:53, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	



Analytical Laboratory Report

Lab Sample ID: S59676.12 (continued)

Sample Tag: SB-12 1-2'

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 19:53, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 06:30, Analyst: NDK

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	61.7	60-29-7	
Acetone	Not detected	1,000		ug/kg	61.7	67-64-1	
Methyl iodide	Not detected	100		ug/kg	61.7	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	61.7	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	61.7	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	61.7	107-13-1	
2-Butanone (MEK)	Not detected	930		ug/kg	61.7	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	61.7	75-71-8	
Chloromethane	Not detected	300		ug/kg	61.7	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	61.7	75-01-4	
Bromomethane	Not detected	200		ug/kg	61.7	74-83-9	
Chloroethane	Not detected	300		ug/kg	61.7	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	61.7	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	61.7	75-35-4	
Methylene chloride	Not detected	100		ug/kg	61.7	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	61.7	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	61.7	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	61.7	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	61.7	109-99-9	
Chloroform	Not detected	60		ug/kg	61.7	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	61.7	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	61.7	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	61.7	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	61.7	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	61.7	56-23-5	
Benzene	Not detected	60		ug/kg	61.7	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	61.7	107-06-2	
Trichloroethene	Not detected	60		ug/kg	61.7	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	61.7	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	61.7	75-27-4	
Dibromomethane	Not detected	300		ug/kg	61.7	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	61.7	10061-01-5	
Toluene	Not detected	60		ug/kg	61.7	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	61.7	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	61.7	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	61.7	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	61.7	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	61.7	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	61.7	106-93-4	M

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S59676.12 (continued)
Sample Tag: SB-12 1-2'

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 06:30, Analyst: NDK (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chlorobenzene	Not detected	60		ug/kg	61.7	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	61.7	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	61.7	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	61.7		
o-Xylene	Not detected	60		ug/kg	61.7	95-47-6	
Styrene	Not detected	60		ug/kg	61.7	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	61.7	98-82-8	
Bromoform	Not detected	100		ug/kg	61.7	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	61.7	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	61.7	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	61.7	103-65-1	
Bromobenzene	Not detected	100		ug/kg	61.7	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	61.7	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	61.7	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	61.7	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	61.7	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	61.7	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	61.7	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	61.7	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	61.7	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	61.7	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	61.7	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	61.7	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	61.7	96-12-8	
1,2,4-Trichlorobenzene	Not detected	410		ug/kg	61.7	120-82-1	
1,2,3-Trichlorobenzene	Not detected	410		ug/kg	61.7	87-61-6	
Naphthalene	Not detected	300		ug/kg	61.7	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	61.7	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S59676.13

Sample Tag: SB-13 2-3'

Collected Date/Time: 03/08/2024 00:01

Matrix: Soil

COC Reference: 168458

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR
1	40mL Glass	MeOH	Yes	4.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	03/14/24 10:20	JRH	
PNA Extraction*	Completed	SW3546	03/12/24 14:30	JWR	
Sample wt. (g) / Methanol (ml)*	10.313/10	SW5035A	03/12/24 15:02	ACK	
Mercury Digestion	Completed	SW7471B	03/13/24 10:32	CTV	

Inorganics

Method: SM2540B, Run Date: 03/13/24 13:04, Analyst: MAM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Metals

Method: SW6020A, Run Date: 03/14/24 12:53, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	4,840	200		ug/kg	241	7440-38-2	
Barium	85,400	1,000		ug/kg	241	7440-39-3	
Cadmium	260	200		ug/kg	241	7440-43-9	
Chromium	9,280	500		ug/kg	241	7440-47-3	
Copper	26,800	500		ug/kg	241	7440-50-8	
Lead	103,000	300		ug/kg	241	7439-92-1	
Selenium	Not detected	400		ug/kg	241	7782-49-2	
Silver	Not detected	200		ug/kg	241	7440-22-4	
Zinc	70,000	500		ug/kg	241	7440-66-6	

Method: SW7471B, Run Date: 03/13/24 14:19, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	312	50		ug/kg	60	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 22:11, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	1,000	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	3,500	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	6,000	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	5,900	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	10,400	300		ug/kg	10	205-99-2	p
Benzo(k)fluoranthene	11,600	300		ug/kg	10	207-08-9	p
Benzo(ghi)perylene	2,600	300		ug/kg	10	191-24-2	
Chrysene	5,700	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	400	300		ug/kg	10	53-70-3	

p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.



Analytical Laboratory Report

Lab Sample ID: S59676.13 (continued)

Sample Tag: SB-13 2-3'

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 22:11, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Fluoranthene	14,800	300		ug/kg	10	206-44-0	
Fluorene	1,300	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	2,400	300		ug/kg	10	193-39-5	
Naphthalene	400	300		ug/kg	10	91-20-3	
Phenanthrene	12,800	300		ug/kg	10	85-01-8	
Pyrene	12,200	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 06:54, Analyst: NDK

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	60.7	60-29-7	
Acetone	Not detected	1,000		ug/kg	60.7	67-64-1	
Methyl iodide	Not detected	100		ug/kg	60.7	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	60.7	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	60.7	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	60.7	107-13-1	
2-Butanone (MEK)	Not detected	910		ug/kg	60.7	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	60.7	75-71-8	
Chloromethane	Not detected	300		ug/kg	60.7	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	60.7	75-01-4	
Bromomethane	Not detected	200		ug/kg	60.7	74-83-9	
Chloroethane	Not detected	300		ug/kg	60.7	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	60.7	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	60.7	75-35-4	
Methylene chloride	Not detected	100		ug/kg	60.7	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	60.7	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	60.7	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	60.7	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	60.7	109-99-9	
Chloroform	Not detected	60		ug/kg	60.7	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	60.7	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	60.7	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	60.7	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	60.7	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	60.7	56-23-5	
Benzene	Not detected	60		ug/kg	60.7	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	60.7	107-06-2	
Trichloroethene	Not detected	60		ug/kg	60.7	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	60.7	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	60.7	75-27-4	
Dibromomethane	Not detected	300		ug/kg	60.7	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	60.7	10061-01-5	
Toluene	Not detected	60		ug/kg	60.7	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	60.7	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	60.7	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	60.7	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	60.7	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	60.7	124-48-1	



Analytical Laboratory Report

Lab Sample ID: S59676.13 (continued)
Sample Tag: SB-13 2-3'

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 06:54, Analyst: NDK (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dibromoethane	Not detected	20		ug/kg	60.7	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	60.7	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	60.7	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	60.7	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	60.7		
o-Xylene	Not detected	60		ug/kg	60.7	95-47-6	
Styrene	Not detected	60		ug/kg	60.7	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	60.7	98-82-8	
Bromoform	Not detected	100		ug/kg	60.7	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	60.7	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	60.7	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	60.7	103-65-1	
Bromobenzene	Not detected	100		ug/kg	60.7	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	60.7	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	60.7	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	60.7	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	60.7	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	60.7	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	60.7	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	60.7	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	60.7	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	60.7	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	60.7	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	60.7	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	60.7	96-12-8	
1,2,4-Trichlorobenzene	Not detected	400		ug/kg	60.7	120-82-1	
1,2,3-Trichlorobenzene	Not detected	400		ug/kg	60.7	87-61-6	
Naphthalene	Not detected	300		ug/kg	60.7	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	60.7	91-57-6	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S59676.14
Sample Tag: SB-14 1-2'
Collected Date/Time: 03/08/2024 00:01
Matrix: Soil
COC Reference: 168458

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR
1	40mL Glass	MeOH	Yes	4.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	03/14/24 10:20	JRH	
PNA Extraction*	Completed	SW3546	03/12/24 14:30	JWR	
Sample wt. (g) / Methanol (ml)*	7.471/10	SW5035A	03/12/24 15:02	ACK	
Mercury Digestion	Completed	SW7471B	03/13/24 10:32	CTV	

Inorganics

Method: SM2540B, Run Date: 03/13/24 13:04, Analyst: MAM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	88	1		%	1		

Metals

Method: SW6020A, Run Date: 03/14/24 12:27, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	1,770	200		ug/kg	259	7440-38-2	
Barium	5,650	1,000		ug/kg	259	7440-39-3	
Cadmium	Not detected	200		ug/kg	259	7440-43-9	
Chromium	3,720	500		ug/kg	259	7440-47-3	
Copper	1,960	500		ug/kg	259	7440-50-8	
Lead	2,160	300		ug/kg	259	7439-92-1	
Selenium	Not detected	400		ug/kg	259	7782-49-2	
Silver	Not detected	200		ug/kg	259	7440-22-4	
Zinc	6,410	500		ug/kg	259	7440-66-6	

Method: SW7471B, Run Date: 03/13/24 14:22, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	50		ug/kg	64	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 20:10, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	



Analytical Laboratory Report

Lab Sample ID: S59676.14 (continued)

Sample Tag: SB-14 1-2'

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 20:10, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 07:17, Analyst: NDK

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	82.9	60-29-7	
Acetone	Not detected	2,000		ug/kg	82.9	67-64-1	
Methyl iodide	Not detected	200		ug/kg	82.9	74-88-4	
Carbon disulfide	Not detected	400		ug/kg	82.9	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	82.9	1634-04-4	
Acrylonitrile	Not detected	200		ug/kg	82.9	107-13-1	
2-Butanone (MEK)	Not detected	1,200		ug/kg	82.9	78-93-3	
Dichlorodifluoromethane	Not detected	400		ug/kg	82.9	75-71-8	
Chloromethane	Not detected	400		ug/kg	82.9	74-87-3	
Vinyl chloride	Not detected	80		ug/kg	82.9	75-01-4	
Bromomethane	Not detected	300		ug/kg	82.9	74-83-9	
Chloroethane	Not detected	400		ug/kg	82.9	75-00-3	
Trichlorofluoromethane	Not detected	200		ug/kg	82.9	75-69-4	
1,1-Dichloroethene	Not detected	80		ug/kg	82.9	75-35-4	
Methylene chloride	Not detected	200		ug/kg	82.9	75-09-2	
trans-1,2-Dichloroethene	Not detected	80		ug/kg	82.9	156-60-5	
1,1-Dichloroethane	Not detected	80		ug/kg	82.9	75-34-3	
cis-1,2-Dichloroethene	Not detected	80		ug/kg	82.9	156-59-2	
Tetrahydrofuran*	Not detected	2,000		ug/kg	82.9	109-99-9	
Chloroform	Not detected	80		ug/kg	82.9	67-66-3	
Bromochloromethane	Not detected	200		ug/kg	82.9	74-97-5	
1,1,1-Trichloroethane	Not detected	80		ug/kg	82.9	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	4,000		ug/kg	82.9	108-10-1	
2-Hexanone	Not detected	4,000		ug/kg	82.9	591-78-6	
Carbon tetrachloride	Not detected	80		ug/kg	82.9	56-23-5	
Benzene	Not detected	80		ug/kg	82.9	71-43-2	
1,2-Dichloroethane	Not detected	80		ug/kg	82.9	107-06-2	
Trichloroethene	Not detected	80		ug/kg	82.9	79-01-6	
1,2-Dichloropropane	Not detected	80		ug/kg	82.9	78-87-5	
Bromodichloromethane	Not detected	200		ug/kg	82.9	75-27-4	
Dibromomethane	Not detected	400		ug/kg	82.9	74-95-3	
cis-1,3-Dichloropropene	Not detected	80		ug/kg	82.9	10061-01-5	
Toluene	Not detected	80		ug/kg	82.9	108-88-3	
trans-1,3-Dichloropropene	Not detected	80		ug/kg	82.9	10061-02-6	
1,1,2-Trichloroethane	Not detected	80		ug/kg	82.9	79-00-5	
Tetrachloroethene	Not detected	80		ug/kg	82.9	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	80		ug/kg	82.9	110-57-6	
Dibromochloromethane	Not detected	200		ug/kg	82.9	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	82.9	106-93-4	M

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S59676.14 (continued)
Sample Tag: SB-14 1-2'

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 07:17, Analyst: NDK (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chlorobenzene	Not detected	80		ug/kg	82.9	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	200		ug/kg	82.9	630-20-6	
Ethylbenzene	Not detected	80		ug/kg	82.9	100-41-4	
p,m-Xylene	Not detected	200		ug/kg	82.9		
o-Xylene	Not detected	80		ug/kg	82.9	95-47-6	
Styrene	Not detected	80		ug/kg	82.9	100-42-5	
Isopropylbenzene	Not detected	400		ug/kg	82.9	98-82-8	
Bromoform	Not detected	200		ug/kg	82.9	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	80		ug/kg	82.9	79-34-5	
1,2,3-Trichloropropane	Not detected	200		ug/kg	82.9	96-18-4	
n-Propylbenzene	Not detected	80		ug/kg	82.9	103-65-1	
Bromobenzene	Not detected	200		ug/kg	82.9	108-86-1	
1,3,5-Trimethylbenzene	Not detected	80		ug/kg	82.9	108-67-8	
tert-Butylbenzene	Not detected	80		ug/kg	82.9	98-06-6	
1,2,4-Trimethylbenzene	Not detected	80		ug/kg	82.9	95-63-6	
sec-Butylbenzene	Not detected	80		ug/kg	82.9	135-98-8	
p-Isopropyltoluene	Not detected	200		ug/kg	82.9	99-87-6	
1,3-Dichlorobenzene	Not detected	200		ug/kg	82.9	541-73-1	
1,4-Dichlorobenzene	Not detected	200		ug/kg	82.9	106-46-7	
1,2-Dichlorobenzene	Not detected	200		ug/kg	82.9	95-50-1	
1,2,3-Trimethylbenzene	Not detected	80		ug/kg	82.9	526-73-8	
n-Butylbenzene	Not detected	80		ug/kg	82.9	104-51-8	
Hexachloroethane	Not detected	500		ug/kg	82.9	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	400		ug/kg	82.9	96-12-8	
1,2,4-Trichlorobenzene	Not detected	550		ug/kg	82.9	120-82-1	
1,2,3-Trichlorobenzene	Not detected	550		ug/kg	82.9	87-61-6	
Naphthalene	Not detected	400		ug/kg	82.9	91-20-3	
2-Methylnaphthalene	Not detected	200		ug/kg	82.9	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S59676.15
Sample Tag: SB-15 4-5'
Collected Date/Time: 03/08/2024 00:01
Matrix: Soil
COC Reference: 168458

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR
1	40mL Glass	MeOH	Yes	4.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	03/14/24 10:20	JRH	
PNA Extraction*	Completed	SW3546	03/12/24 14:30	JWR	
Sample wt. (g) / Methanol (ml)*	10.127/10	SW5035A	03/12/24 15:02	ACK	
Mercury Digestion	Completed	SW7471B	03/13/24 10:32	CTV	

Inorganics

Method: SM2540B, Run Date: 03/13/24 13:04, Analyst: MAM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	86	1		%	1		

Metals

Method: SW6020A, Run Date: 03/14/24 12:55, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	10,400	200		ug/kg	270	7440-38-2	
Barium	97,800	1,000		ug/kg	270	7440-39-3	
Cadmium	470	200		ug/kg	270	7440-43-9	
Chromium	12,100	500		ug/kg	270	7440-47-3	
Copper	33,900	500		ug/kg	270	7440-50-8	
Lead	74,300	300		ug/kg	270	7439-92-1	
Selenium	Not detected	400		ug/kg	270	7782-49-2	
Silver	Not detected	200		ug/kg	270	7440-22-4	
Zinc	101,000	500		ug/kg	270	7440-66-6	

Method: SW7471B, Run Date: 03/13/24 14:32, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	50		ug/kg	69	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 23:36, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	4,200	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	8,500	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	13,100	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	11,100	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	21,800	300		ug/kg	10	205-99-2	p
Benzo(k)fluoranthene	24,500	300		ug/kg	10	207-08-9	p
Benzo(ghi)perylene	4,500	300		ug/kg	10	191-24-2	
Chrysene	12,500	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	900	300		ug/kg	10	53-70-3	

p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.



Analytical Laboratory Report

Lab Sample ID: S59676.15 (continued)

Sample Tag: SB-15 4-5'

Polynuclear Aromatics, Method: SW8270D, Run Date: 03/13/24 23:36, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Fluoranthene	28,600	300		ug/kg	10	206-44-0	
Fluorene	5,400	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	4,600	300		ug/kg	10	193-39-5	
Naphthalene	5,400	300		ug/kg	10	91-20-3	
Phenanthrene	28,000	300		ug/kg	10	85-01-8	
Pyrene	26,400	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	1,600	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	1,000	300		ug/kg	10	90-12-0	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 07:41, Analyst: NDK

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	65.5	60-29-7	
Acetone	Not detected	1,000		ug/kg	65.5	67-64-1	
Methyl iodide	Not detected	100		ug/kg	65.5	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	65.5	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	65.5	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	65.5	107-13-1	
2-Butanone (MEK)	Not detected	980		ug/kg	65.5	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	65.5	75-71-8	
Chloromethane	Not detected	300		ug/kg	65.5	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	65.5	75-01-4	
Bromomethane	Not detected	300		ug/kg	65.5	74-83-9	
Chloroethane	Not detected	300		ug/kg	65.5	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	65.5	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	65.5	75-35-4	
Methylene chloride	Not detected	100		ug/kg	65.5	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	65.5	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	65.5	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	65.5	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	65.5	109-99-9	
Chloroform	Not detected	70		ug/kg	65.5	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	65.5	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	65.5	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	65.5	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	65.5	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	65.5	56-23-5	
Benzene	Not detected	70		ug/kg	65.5	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	65.5	107-06-2	
Trichloroethene	Not detected	70		ug/kg	65.5	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	65.5	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	65.5	75-27-4	
Dibromomethane	Not detected	300		ug/kg	65.5	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	65.5	10061-01-5	
Toluene	Not detected	70		ug/kg	65.5	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	65.5	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	65.5	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	65.5	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	65.5	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	65.5	124-48-1	



Analytical Laboratory Report

Lab Sample ID: S59676.15 (continued)
Sample Tag: SB-15 4-5'

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 03/13/24 07:41, Analyst: NDK (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dibromoethane	Not detected	30		ug/kg	65.5	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	65.5	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	65.5	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	65.5	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	65.5		
o-Xylene	Not detected	70		ug/kg	65.5	95-47-6	
Styrene	Not detected	70		ug/kg	65.5	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	65.5	98-82-8	
Bromoform	Not detected	100		ug/kg	65.5	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	65.5	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	65.5	96-18-4	
n-Propylbenzene	Not detected	70		ug/kg	65.5	103-65-1	
Bromobenzene	Not detected	100		ug/kg	65.5	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	65.5	108-67-8	
tert-Butylbenzene	Not detected	70		ug/kg	65.5	98-06-6	
1,2,4-Trimethylbenzene	Not detected	70		ug/kg	65.5	95-63-6	
sec-Butylbenzene	Not detected	70		ug/kg	65.5	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	65.5	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	65.5	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	65.5	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	65.5	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	65.5	526-73-8	
n-Butylbenzene	Not detected	70		ug/kg	65.5	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	65.5	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	65.5	96-12-8	
1,2,4-Trichlorobenzene	Not detected	430		ug/kg	65.5	120-82-1	
1,2,3-Trichlorobenzene	Not detected	430		ug/kg	65.5	87-61-6	
Naphthalene	600	300		ug/kg	65.5	91-20-3	
2-Methylnaphthalene	200	100		ug/kg	65.5	91-57-6	

M-Result reported to MDL not RDL

Merit Laboratories Login Checklist

Lab Set ID:S59676

Client:TRITERRA (TriTerra)

Project: 23-3626 / 5250 Conner Ave

Submitted:03/12/2024 11:50 Login User: PFD

Attention: Adam Bishop

Address: TriTerra

1375 S. Washington Avenue, Suite 100
Lansing, MI 48910

Phone: 210-749-2704

FAX:

Email: Adam.Bishop@triterra.us

Selection	Description	Note
Sample Receiving		
01.	☒ Yes ☐ No ☐ N/A	Samples are received at 4C +/- 2C Thermometer # IR 4.1
02.	☒ Yes ☐ No ☐ N/A	Received on ice/ cooling process begun
03.	☐ Yes ☒ No ☐ N/A	Samples shipped
04.	☐ Yes ☒ No ☐ N/A	Samples left in 24 hr. drop box
05.	☐ Yes ☐ No ☒ N/A	Are there custody seals/tape or is the drop box locked
Chain of Custody		
06.	☒ Yes ☐ No ☐ N/A	COC adequately filled out
07.	☒ Yes ☐ No ☐ N/A	COC signed and relinquished to the lab
08.	☒ Yes ☐ No ☐ N/A	Sample tag on bottles match COC
09.	☐ Yes ☒ No ☐ N/A	Subcontracting needed? Subcontacted to:
Preservation		
10.	☒ Yes ☐ No ☐ N/A	Do sample have correct chemical preservation
11.	☐ Yes ☐ No ☒ N/A	Completed pH checks on preserved samples? (no VOAs)
12.	☐ Yes ☒ No ☐ N/A	Did any samples need to be preserved in the lab?
Bottle Conditions		
13.	☒ Yes ☐ No ☐ N/A	All bottles intact
14.	☒ Yes ☐ No ☐ N/A	Appropriate analytical bottles are used
15.	☒ Yes ☐ No ☐ N/A	Merit bottles used
16.	☒ Yes ☐ No ☐ N/A	Sufficient sample volume received
17.	☐ Yes ☒ No ☐ N/A	Samples require laboratory filtration
18.	☒ Yes ☐ No ☐ N/A	Samples submitted within holding time
19.	☐ Yes ☐ No ☒ N/A	Do water VOC or TOX bottles contain headspace

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: _____ Date: _____



2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # 1 OF 2 168457

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME Adam Bishop	
COMPANY Triterm	
ADDRESS 1375 S. Washington Avenue	
CITY Lansing	STATE MI
PHONE NO. 210-740-2704	CELL NO.
E-MAIL ADDRESS adam.bishop@triterm.us	QUOTE NO.

CONTACT NAME		☐ SAME
COMPANY		
ADDRESS		
CITY	STATE	ZIP CODE
PHONE NO.	E-MAIL ADDRESS	

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME 73-3626 / 5250 Conner Ave	SAMPLER(S) - PLEASE PRINT/SIGN NAME Adam Bishop
TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER	
DELIVERABLES REQUIRED ☐ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER	

MATRIX W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID CODE: SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR WS=WASTE	# Containers & Preservatives
--	------------------------------

MERIT LAB NO. FOR LAB USE ONLY	COLLECTION		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives										Certifications		
	DATE	TIME				NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	VOL	PAH	MT			
5676.01	3/18/24		SB-1 2-2.5'	S	2	X					X		X	X	X			☐ Other _____ Special Instructions
.02			SB-2 4-5'	S	2	X					X		X	X	X			
.03			SB-3 1-2'	S	2	X					X		X	X	X			
.04			SB-4 7-8'	S	2	X					X		X	X	X			
.05			SB-5 0-1'	S	2	X					X		X	X	X			
.06			SB-6 3-4'	S	2	X					X		X	X	X			
.07			SB-7 2-3'	S	2	X					X		X	X	X			
.08			SB-8 1-2'	S	2	X					X		X	X	X			
.09			SB-9 2-3'	S	2	X					X		X	X	X			
.10			SB-10 2.5-3.5'	S	2	X					X		X	X	X			
.11			SB-11 3-4'	S	2	X					X		X	X	X			
.12			SB-12 1-2'	S	2	X					X		X	X	X			

RELINQUISHED BY: SIGNATURE/ORGANIZATION CM #1 Triterm	SAMPLER Adam Bishop	DATE 3/18/24	TIME 11:00
RECEIVED BY: SIGNATURE/ORGANIZATION Triterm Cold Storage		DATE 3/18/24	TIME 16:00
RELINQUISHED BY: SIGNATURE/ORGANIZATION Triterm Cold Storage		DATE 3/12/24	TIME 9:11
RECEIVED BY: SIGNATURE/ORGANIZATION BB		DATE 3/12/24	TIME 9:11

RELINQUISHED BY: SIGNATURE/ORGANIZATION BB	DATE 3/12/24	TIME 11:50		
RECEIVED BY: SIGNATURE/ORGANIZATION BB	DATE 3/12/24	TIME 11:50		
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES:	TEMP. ON ARRIVAL
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS		

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

