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Geotechnical Engineering
Environmental Engineering
Construction Material Testing
Subsurface Exploration
Special Inspection

Brian Jennings
Deputy Director for Community Development
Spokane Transit Authority
1230 West Boone Ave
Spokane, WA 99201

February 13, 2025

Project X24826-A1

PROJECT: East Farwell Road and North Mellon Parkway
Spokane County Parcel 36091.1603
Mead, Washington

SUBJECT: Results of Sampling and Chemical Analysis

Introduction and Background

This report presents the results of subsurface exploration conducted by Budinger & Associates (BAI) to evaluate an underground wastewater/stormwater discharge pipeline (Aqueduct) on the subject property in Mead, Washington (see Figure 1 Vicinity Map). The structure was identified as a recognized environmental condition (REC) in the Phase 1 Environmental Site Assessment (ESA) prepared for the subject property on behalf of Spokane Transit Authority on October 3, 2024. The Aqueduct extended from the former Kaiser Aluminum Facility to Deadman Creek, near Mead, Washington. The objective of this assessment was to determine if the pipeline remained and whether sediments and contaminants from the pipeline were present in soil.

In the Phase 1 ESA[1] prepared by BAI, the Aqueduct was identified based on illustrations in historic topographic maps from 1973 and 1986. The Aqueduct, which discharged wastewater from Kaiser to Deadman Creek, approximately ½ mile northeast of the subject property, was known to have contained polychlorinated biphenyls (PCBs). Cleanup activities were previously conducted by others at settling ponds inline and upgradient of the subject property and at the Deadman Creek outfall. Most of the pipeline was reportedly removed; however, it was unknown if the portion crossing the subject property was removed.

Field Work & Sampling

Ground Penetrating Radar
BAI conducted a ground penetrating radar (GPR) scan of the Aqueduct alignment based on eastment records presented in the ESA and an obviously disturbed swath along the alignment. The scan was conducted to locate the structure or identify where it was removed and subsequently backfilled prior to subsurface test pit explorations. The GPR scan identified the likely alignment of a removed structure

[1] Budinger & Associates, Phase 1 Environmental Site Assessment, East Farwell Road and North Mellon Parkway (Parcel 36091.1602), prepared for Spokane Transit Authority. October 3, 2024. BAI Project number X24826.

based on contrast between native soils and backfilled soils within the alignment. Concurrent with the GPR scan, remnant brick and mortar rubble from the demolished aqueduct, was observed scattered at the surface in the alignment.

Sampling and Subsurface Conditions
On January 15, 2025, five (5) test pits (TP1 through TP5) were excavated to a maximum depth of 12 feet below ground surface (BGS) on the presumed Aqueduct alignment using a rubber tire backhoe (see Figure 2). The excavations encountered homogeneous fine to medium sand, identified by the Washington State Department of Natural Resources[2] as "Holocene Dune Sand".

In each test pit, staining or unusual odors were not observed. Rubble (or in-place pipeline) was not observed in test pits TP1 through TP4. In TP5, excavated near the east property boundary, an in-place section of 3-foot diameter brick and mortar pipeline was observed extending east and offsite (see Figure 2). The pipeline end was found stubbed with a vertical 3-inch steel pipe (see site photographs). A sample collected at 10 feet BGS at TP5 was collected just below the bottom (invert) depth of the in-place pipeline.

A total of six (6) samples (MTC1 through MTC6) of pipeline rubble (brick, cement liner, and mortar) found at the surface over the presumed pipeline alignment were also collected by a BAI AHERA[3] certified asbestos sampler.

Laboratory Analysis

Soil
Soil samples collected from the bottom of the test pits were submitted for the following chemical analyses:

- Fluoride and Cyanide,
- Diesel- and Oil-range petroleum hydrocarbons (DRPH) by NWTPH-HCID,
- Polycyclic Aromatic Hydrocarbons (PAHs),
- Polychlorinated Biphenyls (PCBS), and
- RCRA 8 Heavy Metals

Soil samples for chemical analysis were placed into containers provided by the analytical laboratory while wearing nitrile gloves, placed in a cooler on ice, and delivered directly under a signed chain of custody to the Eurofins analytical laboratory in Spokane Valley, Washington.

Asbestos
Pipeline materials sampled for analysis of asbestos content were shipped to SanAir Technologies Laboratory of Richmond, Virginia, in case significant volume of these materials are encountered during future onsite construction activity. The samples were analyzed by polarized light microscopy (PLM) by Environmental Protection Agency method 600/R-93/116.

[2] Washington DNR, Geologic Information Portal. Accessed January 29, 2025. https://geologyportal.dnr.wa.gov/2d-view#wigm?-13067655,-13063843,6067896,6069461?Surface_Geology,500k_Surface_Geology,Map_Units
[3] AHERA- Asbestos Hazard Emergency Act

Analytical Results

Soil

Upon receipt, the analytical data was reviewed for quality control and completeness and the results were found to be acceptable for project use; detections were not reported in the method blanks. The analytical results are compared to the Washington Department of Ecology, Model Toxics Control Act (MTCA) Method A soil default formula cleanup levels and summarized as follows:

- Diesel- and oil-range petroleum hydrocarbons were not detected above the laboratory reporting limit (RL).
- PCB compounds were not detected above the RL.
- PAH compounds were not detected above the RL.
- Cyanide and fluoride were not detected above the method detection limit (MDL).
- Arsenic and barium detected in each sample, and chromium in samples TP1(11) and TP5(10), were at concentrations above the RL (or MDL), but below their respective MTCA soil cleanup levels. Non-detected[4] values reported for selenium were above the MTCA cleanup level concentration protective of groundwater; however, these results are not considered significant to the findings of this report.

Asbestos

Asbestos was not reported in samples of pipeline rubble at or above the detection limit of 1 percent by weight.

The soil sample laboratory results are summarized in Table 1 and the laboratory test reports; QA/QC data, and chains of custody are included in the attachments. The laboratory results for asbestos analysis are also included in the attachments.

[4] Results non detected above the method detection limit.

Conclusions and Recommendations

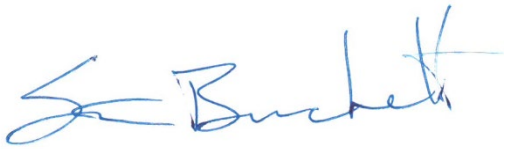
It was determined that the pipeline was removed, and impacts were not identified based soil sample laboratory analytical results. Testing of pipeline remnants also did not report the presence of asbestos.

Backfill on the aqueduct alignment does not appear to have been compacted and should not be considered suitable for the support of structures or pavements. We recommend excavating and compacting the backfill prior to construction per applicable road and building codes. Please contact us to evaluate sediment if it is encountered in sections of the alignment during future construction.

If you have any questions regarding the contents of this report or need further assistance, please do not hesitate to contact us.

Respectfully Submitted:
BUDINGER & ASSOCIATES



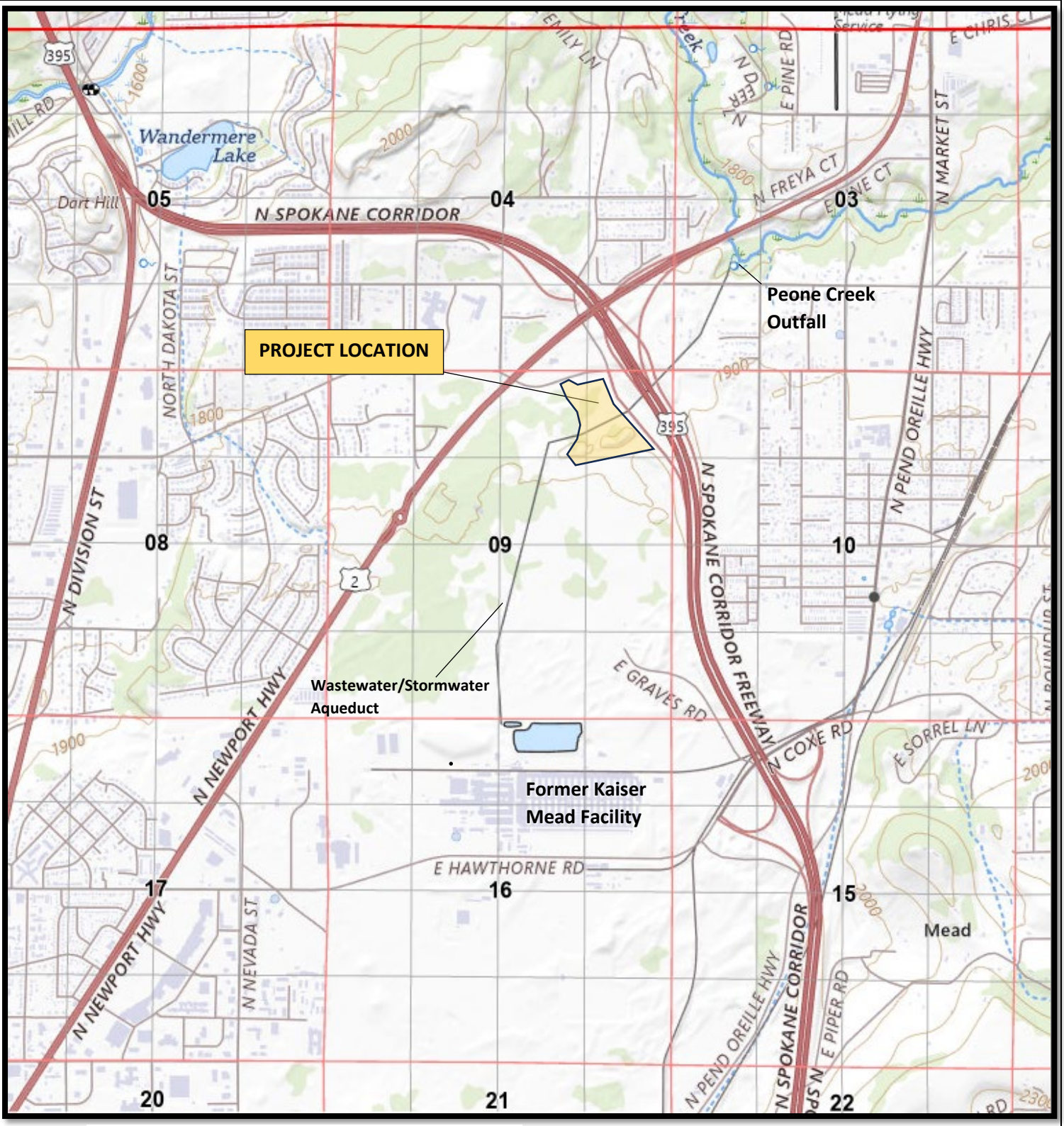


Ryan R. Reich, LG
Environmental Geologist

Stephen D. Burchett, PE
Environmental Engineer

Addressee-via email
Attachments:

- Figure 1 Vicinity Map
- Figure 2 Site Map
- Site Photographs
- Table 1 Summary of Soil Sample Chemical Analysis
- Laboratory Reports, QA/QC data and Chain of Custody Form
- AHERA Certification



Source: ESRI PLSS Map Viewer Community Maps 9-10-2024

N

T26N, R43E WM

Project Number X24826

Vicinity Map
E Farwell Road and N Mellon Pkwy
Mead, WA

Budinger & Associates
1101 N Fancher Road
Spokane Valley, WA 99212

Figure 1



Source: Spokane County SCOUT. 1-29-2025

N

Not to Scale

TP2 Test Pit Location

MTC2 Asbestos Sample Location

Site Map

Phase II ESA
E Farwell Rd & N Mellon Pkwy
Mead, Washington

Budinger & Associates
1101 N Fancher Road
Spokane Valley, WA 99212

Figure 2

Table 1
Summary of Soil Sample Chemical Analysis (1)
N Mellon Parkway/E Farwell Road
Soil Sampling

			Lab Sample Number	590-29007-1	590-29007-2	590-29007-3	590-29007-4
			Sample Date	1/15/2025	1/15/2025	1/15/2025	1/15/2025
			BAI Sample ID	TP1((11)	TP2(10)	TP3(11)	TP5(10)
Analyte	**MTCA Method A Unrestricted / Industrial**		**MTCA Protective of Groundwater (Vadose Zone)**				
Petroleum Hydrocarbons NWTPH-Dx (mg/kg)							
Diesel	2,000	2,000		<26	<27	<26	<27
Lube Oil	2,000	2,000		<52	<54	<52	<53
Polychlorinated Biphenyls (PCBs) 8082 (µg/kg)							
PCB-1016				<10	<11	<11	<11
PCB-1221				<10	<11	<11	<11
PCB-1232				<10	<11	<11	<11
PCB-1242				<10	<11	<11	<11
PCB-1248				<10	<11	<11	<11
PCB-1254				<10	<11	<11	<11
PCB-1260				<10	<11	<11	<11
PCB-1268				<10	<11	<11	<11
PCB-1262				<10	<11	<11	<11
Total PCBs	1000	1000	340	ND	ND	ND	ND
Polycyclic Aromatic Hydrocarbons (PAHs; µg/kg) by 8270 SIM							
1-Methylnaphthalene			82	<10	<11	<11	<11
2-Methylnaphthalene			1,700	<10	<11	<11	<11
Acenaphthene			49,000.00	<10	<11	<11	<11
Acenaphthylene				<10	<11	<11	<11
Anthracene			1,100,000	<10	<11	<11	<11
Benzo[a]anthracene(a) (TEF= 0.1)				<10	<11	<11	<11
Benzo[a]pyrene(a) (TEF= 1)	100	200	3,900	<10	<11	<11	<11
Benzo[b]fluoranthene(a) (TEF=0.1)				<10	<11	<11	<11
Benzo[ghi]perylene				<10	<11	<11	<11
Benzo[k]fluoranthene (a) (TEF= 0.1)				<10	<11	<11	<11
Chrysene(a) (TEF= 0.01)				<10	<11	<11	<11
Dibenz[a,h]anthracene(a) (TEF= 0.1)				<10	<11	<11	<11
Fluoranthene			630,000	<10	<11	<11	<11
Fluorene			51,000	<10	<11	<11	<11
Indeno[1,2,3-cd]pyrene(a) (TEF= 0.1)				<10	<11	<11	<11
Naphthalene	5,000	5,000	4,500	<10	<11	<11	<11
Phenanthrene				<10	<11	<11	<11
Pyrene			330,000	<10	<11	<11	<11
Carcinogenic PAHs (TEQ; mg/kg) (3)	100	2,000		ND	ND	ND	ND
General Chemistry (mg/kg)							
Total Cyanide			1	<0.48 *	<0.47 *	<0.51 *	<0.51 *
Fluoride				<0.48 *	<0.51 *	<0.47 *	<0.47 *
Total Metals (mg/kg) by EPA 6020B							
Arsenic	20	20		**14**	**12**	**15**	**12**
Barium			1600	**53**	**52**	**58**	**47**
Cadmium	2	2		<0.41 *	<0.47 *	<0.45 *	<0.43 *
Chromium	19	19		**8.9**	<9.9	<9.6	**10**
Lead	250	1000		<21	<24	<23	<22
Selenium			5.2	<21 *	<24 *	<23 *	<22 *
Silver			14	<8.8	9.9	<9.6	<9.1
Mercury	2	2		<0.045	<0.044	<0.038	<0.041

Notes:

(1) Samples analyzed by Eurofins Laboratory of Spokane, Washington

(a) = when benzene is detected cleanup level is 30 mg/kg, when benzene is non detect cleanup level is 100 mg/kg

Concentrations in bold font are detected above the reporting limit.

Concentrations with bold font and shaded green are above cleanup level(s).

– – = Not analyzed

TEQ = Toxic Equivalency Quotient

TEF - Toxic Equivalency Factor

MTCA = Washington State Model Toxics Control Act

< = analyte is not reported at or above the laboratory reporting limit.

< = analyte is not reported at or above the method detection limit.

Concentrations are compared to the MTCA soil (vadose) cleanup level protective of groundwater, where the Method A value is not available.

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

* Samples results reported at Method Detection Limit.



TP1 (Looking east).



TP1



TP2 (looking west-southwest).



TP2



TP3 (looking west-southwest)



TP3



TP4 (looking east-southeast)



TP4



TP5 (looking east-southeast)



TP5



TP5 (severed underground wastewater pipeline; looking southeast)

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1 2 3 4 5 6 7 8 9 10 11 12

ANALYTICAL REPORT

PREPARED FOR

Attn: Steve Burchett
Budinger & Associates
1101 N Fancher Road
Spokane Valley, Washington 99212

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JOB DESCRIPTION

STA Mead

JOB NUMBER

590-29007-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

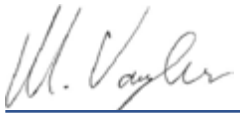
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Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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Authorized for release by
Madison Vaughan, Analyst I
Madison.Vaughan@et.eurofinsus.com
Designee for
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job ID: 590-29007-1 — Eurofins Spokane

Job Narrative
590-29007-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/16/2025 3:32 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C.

GC/MS Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Hydrocarbons
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PCBs
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Budinger & Associates
Project/Site: STA Mead

Job ID: 590-29007-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29007-1	TP1(11)	Solid	01/15/25 09:50	01/16/25 15:32
590-29007-2	TP2(10)	Solid	01/15/25 10:45	01/16/25 15:32
590-29007-3	TP3(11)	Solid	01/15/25 11:45	01/16/25 15:32
590-29007-5	TP5(10)	Solid	01/15/25 13:30	01/16/25 15:32

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client: Budinger & Associates
Project/Site: STA Mead

Job ID: 590-29007-1

Client Sample ID: TP1(11)
Date Collected: 01/15/25 09:50
Date Received: 01/16/25 15:32

Lab Sample ID: 590-29007-1
Matrix: Solid
Percent Solids: 93.7

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		10		ug/Kg	☼	01/21/25 09:00	01/21/25 17:44	1
2-Methylnaphthalene	ND		10		ug/Kg	☼	01/21/25 09:00	01/21/25 17:44	1
Acenaphthene	ND		10		ug/Kg	☼	01/21/25 09:00	01/21/25 17:44	1
Acenaphthylene	ND		10		ug/Kg	☼	01/21/25 09:00	01/21/25 17:44	1
Anthracene	ND		10		ug/Kg	☼	01/21/25 09:00	01/21/25 17:44	1
Benzo[a]anthracene	ND		10		ug/Kg	☼	01/21/25 09:00	01/21/25 17:44	1
Benzo[a]pyrene	ND		10		ug/Kg	☼	01/21/25 09:00	01/21/25 17:44	1
Benzo[b]fluoranthene	ND		10		ug/Kg	☼	01/21/25 09:00	01/21/25 17:44	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	☼	01/21/25 09:00	01/21/25 17:44	1
Benzo[k]fluoranthene	ND		10		ug/Kg	☼	01/21/25 09:00	01/21/25 17:44	1
Chrysene	ND		10		ug/Kg	☼	01/21/25 09:00	01/21/25 17:44	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	☼	01/21/25 09:00	01/21/25 17:44	1
Fluoranthene	ND		10		ug/Kg	☼	01/21/25 09:00	01/21/25 17:44	1
Fluorene	ND		10		ug/Kg	☼	01/21/25 09:00	01/21/25 17:44	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg	☼	01/21/25 09:00	01/21/25 17:44	1
Naphthalene	ND		10		ug/Kg	☼	01/21/25 09:00	01/21/25 17:44	1
Phenanthrene	ND		10		ug/Kg	☼	01/21/25 09:00	01/21/25 17:44	1
Pyrene	ND		10		ug/Kg	☼	01/21/25 09:00	01/21/25 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*76*		*41 - 120*	*01/21/25 09:00*	*01/21/25 17:44*	*1*
Nitrobenzene-d5 (Surr)	*68*		*32 - 120*	*01/21/25 09:00*	*01/21/25 17:44*	*1*
p-Terphenyl-d14 (Surr)	*97*		*45 - 134*	*01/21/25 09:00*	*01/21/25 17:44*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		10		ug/Kg	☼	01/23/25 10:43	01/23/25 13:35	1
PCB-1221	ND		10		ug/Kg	☼	01/23/25 10:43	01/23/25 13:35	1
PCB-1232	ND		10		ug/Kg	☼	01/23/25 10:43	01/23/25 13:35	1
PCB-1242	ND		10		ug/Kg	☼	01/23/25 10:43	01/23/25 13:35	1
PCB-1248	ND		10		ug/Kg	☼	01/23/25 10:43	01/23/25 13:35	1
PCB-1254	ND		10		ug/Kg	☼	01/23/25 10:43	01/23/25 13:35	1
PCB-1260	ND		10		ug/Kg	☼	01/23/25 10:43	01/23/25 13:35	1
PCB-1268	ND		10		ug/Kg	☼	01/23/25 10:43	01/23/25 13:35	1
PCB-1262	ND		10		ug/Kg	☼	01/23/25 10:43	01/23/25 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*41 - 120*	*01/23/25 10:43*	*01/23/25 13:35*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*32 - 147*	*01/23/25 10:43*	*01/23/25 13:35*	*1*

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		26		mg/Kg	☼	01/22/25 13:00	01/22/25 15:24	1
Diesel Range Organics (DRO) (C10-C25)	ND		52		mg/Kg	☼	01/22/25 13:00	01/22/25 15:24	1
Residual Range Organics (RRO) (C25-C36)	ND		100		mg/Kg	☼	01/22/25 13:00	01/22/25 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*86*		*50 - 150*	*01/22/25 13:00*	*01/22/25 15:24*	*1*
n-Triacontane-d62	*83*		*50 - 150*	*01/22/25 13:00*	*01/22/25 15:24*	*1*

Client: Budinger & Associates
Project/Site: STA Mead

Job ID: 590-29007-1

Client Sample ID: TP1(11)

Lab Sample ID: 590-29007-1
Date Collected: 01/15/25 09:50
Matrix: Solid
Date Received: 01/16/25 15:32
Percent Solids: 93.7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.9		mg/Kg	☼	01/24/25 13:41	01/24/25 20:08	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SW846 9056A)	ND		8.2		mg/Kg	☼		01/25/25 22:17	1

Client Sample ID: TP2(10)

Lab Sample ID: 590-29007-2
Date Collected: 01/15/25 10:45
Matrix: Solid
Date Received: 01/16/25 15:32
Percent Solids: 92.6

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:06	1
2-Methylnaphthalene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:06	1
Acenaphthene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:06	1
Acenaphthylene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:06	1
Anthracene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:06	1
Benzo[a]anthracene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:06	1
Benzo[a]pyrene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:06	1
Benzo[b]fluoranthene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:06	1
Benzo[g,h,i]perylene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:06	1
Benzo[k]fluoranthene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:06	1
Chrysene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:06	1
Dibenz(a,h)anthracene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:06	1
Fluoranthene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:06	1
Fluorene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:06	1
Indeno[1,2,3-cd]pyrene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:06	1
Naphthalene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:06	1
Phenanthrene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:06	1
Pyrene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*81*		*41 - 120*	*01/21/25 09:00*	*01/21/25 18:06*	*1*
Nitrobenzene-d5 (Surr)	*78*		*32 - 120*	*01/21/25 09:00*	*01/21/25 18:06*	*1*
p-Terphenyl-d14 (Surr)	*95*		*45 - 134*	*01/21/25 09:00*	*01/21/25 18:06*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 14:37	1
PCB-1221	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 14:37	1
PCB-1232	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 14:37	1
PCB-1242	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 14:37	1
PCB-1248	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 14:37	1
PCB-1254	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 14:37	1
PCB-1260	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 14:37	1
PCB-1268	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 14:37	1
PCB-1262	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*41 - 120*	*01/23/25 10:43*	*01/23/25 14:37*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*32 - 147*	*01/23/25 10:43*	*01/23/25 14:37*	*1*

Client Sample ID: TP2(10)

Lab Sample ID: 590-29007-2

Date Collected: 01/15/25 10:45
Matrix: Solid
Date Received: 01/16/25 15:32
Percent Solids: 92.6

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		27		mg/Kg	☼	01/22/25 13:00	01/22/25 16:05	1
Diesel Range Organics (DRO) (C10-C25)	ND		54		mg/Kg	☼	01/22/25 13:00	01/22/25 16:05	1
Residual Range Organics (RRO) (C25-C36)	ND		110		mg/Kg	☼	01/22/25 13:00	01/22/25 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*94*		*50 - 150*	*01/22/25 13:00*	*01/22/25 16:05*	*1*
n-Triacontane-d62	*84*		*50 - 150*	*01/22/25 13:00*	*01/22/25 16:05*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.9		mg/Kg	☼	01/24/25 13:41	01/24/25 20:08	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SW846 9056A)	ND		8.6		mg/Kg	☼		01/25/25 22:41	1

Client Sample ID: TP3(11)

Lab Sample ID: 590-29007-3

Date Collected: 01/15/25 11:45
Matrix: Solid
Date Received: 01/16/25 15:32
Percent Solids: 92.0

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:28	1
2-Methylnaphthalene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:28	1
Acenaphthene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:28	1
Acenaphthylene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:28	1
Anthracene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:28	1
Benzo[a]anthracene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:28	1
Benzo[a]pyrene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:28	1
Benzo[b]fluoranthene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:28	1
Benzo[g,h,i]perylene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:28	1
Benzo[k]fluoranthene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:28	1
Chrysene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:28	1
Dibenz(a,h)anthracene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:28	1
Fluoranthene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:28	1
Fluorene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:28	1
Indeno[1,2,3-cd]pyrene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:28	1
Naphthalene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:28	1
Phenanthrene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:28	1
Pyrene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*76*		*41 - 120*	*01/21/25 09:00*	*01/21/25 18:28*	*1*
Nitrobenzene-d5 (Surr)	*69*		*32 - 120*	*01/21/25 09:00*	*01/21/25 18:28*	*1*
p-Terphenyl-d14 (Surr)	*97*		*45 - 134*	*01/21/25 09:00*	*01/21/25 18:28*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 14:58	1
PCB-1221	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 14:58	1

Client Sample ID: TP3(11)

Lab Sample ID: 590-29007-3

Date Collected: 01/15/25 11:45
Matrix: Solid
Date Received: 01/16/25 15:32
Percent Solids: 92.0

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 14:58	1
PCB-1242	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 14:58	1
PCB-1248	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 14:58	1
PCB-1254	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 14:58	1
PCB-1260	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 14:58	1
PCB-1268	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 14:58	1
PCB-1262	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*41 - 120*	*01/23/25 10:43*	*01/23/25 14:58*	*1*
DCB Decachlorobiphenyl (Surr)	*119*		*32 - 147*	*01/23/25 10:43*	*01/23/25 14:58*	*1*

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		26		mg/Kg	☼	01/22/25 13:00	01/22/25 16:26	1
Diesel Range Organics (DRO) (C10-C25)	ND		52		mg/Kg	☼	01/22/25 13:00	01/22/25 16:26	1
Residual Range Organics (RRO) (C25-C36)	ND		100		mg/Kg	☼	01/22/25 13:00	01/22/25 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*50 - 150*	*01/22/25 13:00*	*01/22/25 16:26*	*1*
n-Triacontane-d62	*86*		*50 - 150*	*01/22/25 13:00*	*01/22/25 16:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.8		mg/Kg	☼	01/24/25 13:41	01/24/25 20:08	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SW846 9056A)	ND		8.6		mg/Kg	☼		01/25/25 23:05	1

Client Sample ID: TP5(10)

Lab Sample ID: 590-29007-5

Date Collected: 01/15/25 13:30
Matrix: Solid
Date Received: 01/16/25 15:32
Percent Solids: 92.3

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:50	1
2-Methylnaphthalene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:50	1
Acenaphthene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:50	1
Acenaphthylene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:50	1
Anthracene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:50	1
Benzo[a]anthracene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:50	1
Benzo[a]pyrene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:50	1
Benzo[b]fluoranthene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:50	1
Benzo[g,h,i]perylene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:50	1
Benzo[k]fluoranthene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:50	1
Chrysene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:50	1
Dibenz(a,h)anthracene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:50	1
Fluoranthene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:50	1
Fluorene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:50	1

Client Sample ID: TP5(10)
Date Collected: 01/15/25 13:30
Date Received: 01/16/25 15:32

Lab Sample ID: 590-29007-5
Matrix: Solid
Percent Solids: 92.3

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:50	1
Naphthalene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:50	1
Phenanthrene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:50	1
Pyrene	ND		11		ug/Kg	☼	01/21/25 09:00	01/21/25 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*84*		*41 - 120*	*01/21/25 09:00*	*01/21/25 18:50*	*1*
Nitrobenzene-d5 (Surr)	*80*		*32 - 120*	*01/21/25 09:00*	*01/21/25 18:50*	*1*
p-Terphenyl-d14 (Surr)	*99*		*45 - 134*	*01/21/25 09:00*	*01/21/25 18:50*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 15:19	1
PCB-1221	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 15:19	1
PCB-1232	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 15:19	1
PCB-1242	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 15:19	1
PCB-1248	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 15:19	1
PCB-1254	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 15:19	1
PCB-1260	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 15:19	1
PCB-1268	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 15:19	1
PCB-1262	ND		11		ug/Kg	☼	01/23/25 10:43	01/23/25 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*41 - 120*	*01/23/25 10:43*	*01/23/25 15:19*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*32 - 147*	*01/23/25 10:43*	*01/23/25 15:19*	*1*

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		27		mg/Kg	☼	01/22/25 13:00	01/22/25 16:46	1
Diesel Range Organics (DRO) (C10-C25)	ND		53		mg/Kg	☼	01/22/25 13:00	01/22/25 16:46	1
Residual Range Organics (RRO) (C25-C36)	ND		110		mg/Kg	☼	01/22/25 13:00	01/22/25 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*50 - 150*	*01/22/25 13:00*	*01/22/25 16:46*	*1*
n-Triacontane-d62	*84*		*50 - 150*	*01/22/25 13:00*	*01/22/25 16:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		1.9		mg/Kg	☼	01/24/25 13:41	01/24/25 20:08	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SW846 9056A)	ND		8.4		mg/Kg	☼		01/25/25 23:53	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 590-51909/1-A
Matrix: Solid
Analysis Batch: 51913

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 51909

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		10		ug/Kg		01/21/25 09:00	01/21/25 11:51	1
2-Methylnaphthalene	ND		10		ug/Kg		01/21/25 09:00	01/21/25 11:51	1
Acenaphthene	ND		10		ug/Kg		01/21/25 09:00	01/21/25 11:51	1
Acenaphthylene	ND		10		ug/Kg		01/21/25 09:00	01/21/25 11:51	1
Anthracene	ND		10		ug/Kg		01/21/25 09:00	01/21/25 11:51	1
Benzo[a]anthracene	ND		10		ug/Kg		01/21/25 09:00	01/21/25 11:51	1
Benzo[a]pyrene	ND		10		ug/Kg		01/21/25 09:00	01/21/25 11:51	1
Benzo[b]fluoranthene	ND		10		ug/Kg		01/21/25 09:00	01/21/25 11:51	1
Benzo[g,h,i]perylene	ND		10		ug/Kg		01/21/25 09:00	01/21/25 11:51	1
Benzo[k]fluoranthene	ND		10		ug/Kg		01/21/25 09:00	01/21/25 11:51	1
Chrysene	ND		10		ug/Kg		01/21/25 09:00	01/21/25 11:51	1
Dibenz(a,h)anthracene	ND		10		ug/Kg		01/21/25 09:00	01/21/25 11:51	1
Fluoranthene	ND		10		ug/Kg		01/21/25 09:00	01/21/25 11:51	1
Fluorene	ND		10		ug/Kg		01/21/25 09:00	01/21/25 11:51	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg		01/21/25 09:00	01/21/25 11:51	1
Naphthalene	ND		10		ug/Kg		01/21/25 09:00	01/21/25 11:51	1
Phenanthrene	ND		10		ug/Kg		01/21/25 09:00	01/21/25 11:51	1
Pyrene	ND		10		ug/Kg		01/21/25 09:00	01/21/25 11:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*78*		*41 - 120*	*01/21/25 09:00*	*01/21/25 11:51*	*1*
Nitrobenzene-d5 (Surr)	*77*		*32 - 120*	*01/21/25 09:00*	*01/21/25 11:51*	*1*
p-Terphenyl-d14 (Surr)	*103*		*45 - 134*	*01/21/25 09:00*	*01/21/25 11:51*	*1*

Lab Sample ID: LCS 590-51909/2-A
Matrix: Solid
Analysis Batch: 51913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 51909

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	267	186		ug/Kg		70	44 - 120
2-Methylnaphthalene	267	183		ug/Kg		68	45 - 120
Acenaphthene	267	210		ug/Kg		79	52 - 120
Acenaphthylene	267	209		ug/Kg		78	52 - 120
Anthracene	267	235		ug/Kg		88	54 - 120
Benzo[a]anthracene	267	257		ug/Kg		96	65 - 122
Benzo[a]pyrene	267	241		ug/Kg		91	56 - 120
Benzo[b]fluoranthene	267	222		ug/Kg		83	56 - 122
Benzo[g,h,i]perylene	267	247		ug/Kg		93	60 - 120
Benzo[k]fluoranthene	267	264		ug/Kg		99	53 - 120
Chrysene	267	228		ug/Kg		86	53 - 120
Dibenz(a,h)anthracene	267	254		ug/Kg		95	59 - 120
Fluoranthene	267	264		ug/Kg		99	62 - 120
Fluorene	267	224		ug/Kg		84	56 - 120
Indeno[1,2,3-cd]pyrene	267	250		ug/Kg		94	59 - 120
Naphthalene	267	165		ug/Kg		62	37 - 120
Phenanthrene	267	255		ug/Kg		96	60 - 120
Pyrene	267	247		ug/Kg		93	58 - 122

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 590-51909/2-A
Matrix: Solid
Analysis Batch: 51913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 51909

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	81		41 - 120
Nitrobenzene-d5 (Surr)	76		32 - 120
p-Terphenyl-d14 (Surr)	100		45 - 134

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 590-51962/1-A
Matrix: Solid
Analysis Batch: 51961

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 51962

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		10		ug/Kg		01/23/25 10:42	01/23/25 12:11	1
PCB-1221	ND		10		ug/Kg		01/23/25 10:42	01/23/25 12:11	1
PCB-1232	ND		10		ug/Kg		01/23/25 10:42	01/23/25 12:11	1
PCB-1242	ND		10		ug/Kg		01/23/25 10:42	01/23/25 12:11	1
PCB-1248	ND		10		ug/Kg		01/23/25 10:42	01/23/25 12:11	1
PCB-1254	ND		10		ug/Kg		01/23/25 10:42	01/23/25 12:11	1
PCB-1260	ND		10		ug/Kg		01/23/25 10:42	01/23/25 12:11	1
PCB-1268	ND		10		ug/Kg		01/23/25 10:42	01/23/25 12:11	1
PCB-1262	ND		10		ug/Kg		01/23/25 10:42	01/23/25 12:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	90		41 - 120	01/23/25 10:42	01/23/25 12:11	1
DCB Decachlorobiphenyl (Surr)	101		32 - 147	01/23/25 10:42	01/23/25 12:11	1

Lab Sample ID: LCS 590-51962/2-A
Matrix: Solid
Analysis Batch: 51961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 51962

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			66.7	54.7		ug/Kg		82	57 - 120		
PCB-1260			66.7	71.3		ug/Kg		107	67 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	96		41 - 120
DCB Decachlorobiphenyl (Surr)	101		32 - 147

Lab Sample ID: 590-29007-1 MS
Matrix: Solid
Analysis Batch: 51961

Client Sample ID: TP1(11)
Prep Type: Total/NA
Prep Batch: 51962

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		67.5	54.9		ug/Kg	☼	81	67 - 120		
PCB-1260	ND		67.5	65.5		ug/Kg	☼	97	58 - 133		

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	95		41 - 120
DCB Decachlorobiphenyl (Surr)	109		32 - 147

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: 590-29007-1 MSD
Matrix: Solid
Analysis Batch: 51961

Client Sample ID: TP1(11)
Prep Type: Total/NA
Prep Batch: 51962

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		66.7	54.9		ug/Kg	☼	82	67 - 120	0	13
PCB-1260	ND		66.7	64.1		ug/Kg	☼	96	58 - 133	2	13

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*87*		*41 - 120*
DCB Decachlorobiphenyl (Surr)	*111*		*32 - 147*

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Lab Sample ID: MB 590-51942/1-A
Matrix: Solid
Analysis Batch: 51947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 51942

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		25		mg/Kg		01/22/25 13:00	01/22/25 15:03	1
Diesel Range Organics (DRO) (C10-C25)	ND		50		mg/Kg		01/22/25 13:00	01/22/25 15:03	1
Residual Range Organics (RRO) (C25-C36)	ND		100		mg/Kg		01/22/25 13:00	01/22/25 15:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*98*		*50 - 150*	*01/22/25 13:00*	*01/22/25 15:03*	*1*
n-Triacontane-d62	*99*		*50 - 150*	*01/22/25 13:00*	*01/22/25 15:03*	*1*

Lab Sample ID: 590-29007-1 DU
Matrix: Solid
Analysis Batch: 51947

Client Sample ID: TP1(11)
Prep Type: Total/NA
Prep Batch: 51942

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND			ND		mg/Kg	☼			NC	25
Diesel Range Organics (DRO) (C10-C25)	ND			ND		mg/Kg	☼			NC	25
Residual Range Organics (RRO) (C25-C36)	ND			ND		mg/Kg	☼			NC	25

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*92*		*50 - 150*
n-Triacontane-d62	*88*		*50 - 150*

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 580-483293/1-B
Matrix: Solid
Analysis Batch: 483451

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 483403

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		2.0		mg/Kg		01/24/25 13:41	01/24/25 20:08	1

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: LCS 580-483293/2-B
Matrix: Solid
Analysis Batch: 483451

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 483403

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	6.01	5.22		mg/Kg		87	80 - 120

Lab Sample ID: LCSD 580-483293/3-B
Matrix: Solid
Analysis Batch: 483451

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 483403

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	6.01	5.30		mg/Kg		88	80 - 120	2	20

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 580-483436/1-A
Matrix: Solid
Analysis Batch: 483777

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		8.0		mg/Kg			01/25/25 19:07	1

Lab Sample ID: LCS 580-483436/2-A
Matrix: Solid
Analysis Batch: 483777

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	50.0	50.3		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 580-483436/3-A
Matrix: Solid
Analysis Batch: 483777

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	50.0	49.0		mg/Kg		98	90 - 110	3	15

Lab Chronicle

Client: Budinger & Associates
Project/Site: STA Mead

Job ID: 590-29007-1

Client Sample ID: TP1(11)

Lab Sample ID: 590-29007-1

Date Collected: 01/15/25 09:50

Matrix: Solid

Date Received: 01/16/25 15:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			51908	01/21/25 06:53	MRV	EET SPK

Client Sample ID: TP1(11)

Lab Sample ID: 590-29007-1

Date Collected: 01/15/25 09:50

Matrix: Solid

Date Received: 01/16/25 15:32

Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.36 g	2 mL	51909	01/21/25 09:00	MRV	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	51913	01/21/25 17:44	NMI	EET SPK
Total/NA	Prep	3550C			16.07 g	5 mL	51962	01/23/25 10:43	NMI	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	51961	01/23/25 13:35	NMI	EET SPK
Total/NA	Prep	NWTPH-HCID			10.22 g	20 mL	51942	01/22/25 13:00	MRV	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	51947	01/22/25 15:24	NMI	EET SPK
Total/NA	Leach	9013			5.6900 g	100 mL	483293	01/23/25 13:57	CSS	EET SEA
Total/NA	Prep	9012B			6 mL	6 mL	483403	01/24/25 13:41	CSS	EET SEA
Total/NA	Analysis	9012B		1			483451	01/24/25 20:08	CSS	EET SEA
Soluble	Leach	DI Leach			5.2356 g	50 mL	483436	01/24/25 16:23	MLT	EET SEA
Soluble	Analysis	9056A		1	5 mL	5 mL	483777	01/25/25 22:17	FCG	EET SEA

Client Sample ID: TP2(10)

Lab Sample ID: 590-29007-2

Date Collected: 01/15/25 10:45

Matrix: Solid

Date Received: 01/16/25 15:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			51908	01/21/25 06:53	MRV	EET SPK

Client Sample ID: TP2(10)

Lab Sample ID: 590-29007-2

Date Collected: 01/15/25 10:45

Matrix: Solid

Date Received: 01/16/25 15:32

Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.42 g	2 mL	51909	01/21/25 09:00	MRV	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	51913	01/21/25 18:06	NMI	EET SPK
Total/NA	Prep	3550C			15.38 g	5 mL	51962	01/23/25 10:43	NMI	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	51961	01/23/25 14:37	NMI	EET SPK
Total/NA	Prep	NWTPH-HCID			10.08 g	20 mL	51942	01/22/25 13:00	MRV	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	51947	01/22/25 16:05	NMI	EET SPK
Total/NA	Leach	9013			5.5851 g	100 mL	483293	01/23/25 13:57	CSS	EET SEA
Total/NA	Prep	9012B			6 mL	6 mL	483403	01/24/25 13:41	CSS	EET SEA
Total/NA	Analysis	9012B		1			483451	01/24/25 20:08	CSS	EET SEA
Soluble	Leach	DI Leach			5.0389 g	50 mL	483436	01/24/25 16:23	MLT	EET SEA
Soluble	Analysis	9056A		1	5 mL	5 mL	483777	01/25/25 22:41	FCG	EET SEA

Lab Chronicle

Client: Budinger & Associates
Project/Site: STA Mead

Job ID: 590-29007-1

Client Sample ID: TP3(11)
Date Collected: 01/15/25 11:45
Date Received: 01/16/25 15:32

Lab Sample ID: 590-29007-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			51908	01/21/25 06:53	MRV	EET SPK

Client Sample ID: TP3(11)
Date Collected: 01/15/25 11:45
Date Received: 01/16/25 15:32

Lab Sample ID: 590-29007-3
Matrix: Solid
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.46 g	2 mL	51909	01/21/25 09:00	MRV	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	51913	01/21/25 18:28	NMI	EET SPK
Total/NA	Prep	3550C			15.51 g	5 mL	51962	01/23/25 10:43	NMI	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	51961	01/23/25 14:58	NMI	EET SPK
Total/NA	Prep	NWTPH-HCID			10.51 g	20 mL	51942	01/22/25 13:00	MRV	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	51947	01/22/25 16:26	NMI	EET SPK
Total/NA	Leach	9013			5.9084 g	100 mL	483293	01/23/25 13:57	CSS	EET SEA
Total/NA	Prep	9012B			6 mL	6 mL	483403	01/24/25 13:41	CSS	EET SEA
Total/NA	Analysis	9012B		1			483451	01/24/25 20:08	CSS	EET SEA
Soluble	Leach	DI Leach			5.0407 g	50 mL	483436	01/24/25 16:23	MLT	EET SEA
Soluble	Analysis	9056A		1	5 mL	5 mL	483777	01/25/25 23:05	FCG	EET SEA

Client Sample ID: TP5(10)
Date Collected: 01/15/25 13:30
Date Received: 01/16/25 15:32

Lab Sample ID: 590-29007-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			51908	01/21/25 06:53	MRV	EET SPK

Client Sample ID: TP5(10)
Date Collected: 01/15/25 13:30
Date Received: 01/16/25 15:32

Lab Sample ID: 590-29007-5
Matrix: Solid
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.01 g	2 mL	51909	01/21/25 09:00	MRV	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	51913	01/21/25 18:50	NMI	EET SPK
Total/NA	Prep	3550C			15.42 g	5 mL	51962	01/23/25 10:43	NMI	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	51961	01/23/25 15:19	NMI	EET SPK
Total/NA	Prep	NWTPH-HCID			10.16 g	20 mL	51942	01/22/25 13:00	MRV	EET SPK
Total/NA	Analysis	NWTPH-HCID		1	1 mL	1 mL	51947	01/22/25 16:46	NMI	EET SPK
Total/NA	Leach	9013			5.7255 g	100 mL	483293	01/23/25 13:57	CSS	EET SEA
Total/NA	Prep	9012B			6 mL	6 mL	483403	01/24/25 13:41	CSS	EET SEA
Total/NA	Analysis	9012B		1			483451	01/24/25 20:08	CSS	EET SEA
Soluble	Leach	DI Leach			5.1687 g	50 mL	483436	01/24/25 16:23	MLT	EET SEA
Soluble	Analysis	9056A		1	5 mL	5 mL	483777	01/25/25 23:53	FCG	EET SEA

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Budinger & Associates
Project/Site: STA Mead

Job ID: 590-29007-1

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8082A	3550C	Solid	PCB-1262
8082A	3550C	Solid	PCB-1268
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids
NWTPH-HCID	NWTPH-HCID	Solid	Gasoline Range Organics [C6 - C10]

Laboratory: Eurofins Seattle

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C788-24	07-13-25

Method Summary

Client: Budinger & Associates
Project/Site: STA Mead

Job ID: 590-29007-1

Method	Method Description	Protocol	Laboratory
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET SPK
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET SPK
NWTPH-HCID	Northwest - Hydrocarbon Identification (GC)	NWTPH	EET SPK
9012B	Cyanide, Total andor Amenable	SW846	EET SEA
9056A	Anions, Ion Chromatography	SW846	EET SEA
Moisture	Percent Moisture	EPA	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET SPK
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET SEA
9013	Cyanide Extraction (Solids and Oils)	SW846	EET SEA
DI Leach	Deionized Water Leaching Procedure	ASTM	EET SEA
NWTPH-HCID	Solvent Extraction	NWTPH	EET SPK

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

>> Select a Laboratory or Service Center <<
Spokane Valley WA

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Eurofins Environment Testing America

Client Contact	Project Manager: Steve Burchett	Site Contact:	Date:	COC No:
Budinger & Associates	Tel/Fax:	Lab Contact:	Carrier:	____ of ____ COCs
1101 N Fancher Rd	Analysis Turnaround Time			TALS Project #:
Spokane Valley, WA 99212	☑ CALENDAR DAYS ☐ WORKING DAYS			Sampler:
509 535-8841	TAT if different from Below			For Lab Use Only
( ) FAX	☑ 2 weeks			Walk-in Client:
Project Name: STA Mead	☐ 1 week			Lab Sampling
Site: Farwell Road Property	☐ 2 days			
X24826	☐ 1 day			Job / SDG No.

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	NWTPH HCID	PAH 8207 SIM	PCBs 8082A	Fluoride, Cyanide	Sample Specific Notes:
TP1(11)	1/15/2025	9:50	G	1	2	X	X	X	X	
TP2(10)	1/15/2025	10 45	G	1	2	X	X	X	X	
TP3(11)	1/15/2025	11 45	G	1	2	X	X	X	X	
TP4(12)	1/15/2025	12 30	G	1	2	H	H	H	H	H= Hold
TP5(10)	1/15/2025	13 30	G	1	2	X	X	X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3, 5=NaOH; 6= Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☑ Skin Irritant ☐ Poison B ☐ Unknown

Sample Dispos ... (longer than 1 month)

590-29007 Chain of Custody

☐ Return to Client ☑ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact. ☐ Yes ☐ No	Custody Seal No.		Cooler Temp. (°C) Obs'd: 4.4 Corr'd: 4.8		Therm ID No: IR006
Relinquished by:	Company: BA	Date/Time: 1-1625 1530	Received by	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: ESC SPO	Date/Time: 1/16/25 1532

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10406.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29007-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/29/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: STA Mead	Project #: 59002285			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9012B/9013 Total Cyanide	9056A_28D/DI_LEACH Fluoride	Total Number of Containers	Special Instructions/Note:
			Preservation Code:							
TP1(11) (590-29007-1)	1/15/25	09:50 Pacific	G	Solid			X	X	1	
TP2(10) (590-29007-2)	1/15/25	10:45 Pacific	G	Solid			X	X	1	
TP3(11) (590-29007-3)	1/15/25	11:45 Pacific	G	Solid			X	X	1	
TP5(10) (590-29007-5)	1/15/25	13:30 Pacific	G	Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	1/17/25 1600	EEC880	[signature]	1-18-25 980	EEN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR5 1.0/1.0

Ver: 10/10/2024

1/30/2025

Login Sample Receipt Checklist

Client: Budinger & Associates

Job Number: 590-29007-1

Login Number: 29007

List Source: Eurofins Spokane

List Number: 1

Creator: Morris, Mackenzie 1

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Budinger & Associates

Job Number: 590-29007-1

Login Number: 29007
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/18/25 01:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 1.0c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Steve Burchett
Budinger & Associates
1101 N Fancher Road
Spokane Valley, Washington 99212

Generated 2/5/2025 4:08:31 PM

JOB DESCRIPTION

STA Mead

JOB NUMBER

590-29007-2

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

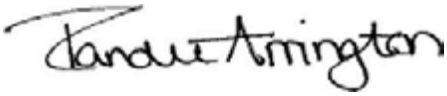
myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
2/5/2025 4:08:31 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job Narrative
590-29007-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/16/2025 3:32 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C.

Receipt Exceptions
The following samples were activated for RCRA 8 Metals by the client on 1/30/2025: TP1(11) (590-29007-1), TP2(10) (590-29007-2), TP3(11) (590-29007-3), TP4(12) (590-29007-4) and TP5(10) (590-29007-5).

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Budinger & Associates
Project/Site: STA Mead

Job ID: 590-29007-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29007-1	TP1(11)	Solid	01/15/25 09:50	01/16/25 15:32
590-29007-2	TP2(10)	Solid	01/15/25 10:45	01/16/25 15:32
590-29007-3	TP3(11)	Solid	01/15/25 11:45	01/16/25 15:32
590-29007-5	TP5(10)	Solid	01/15/25 13:30	01/16/25 15:32

Client: Budinger & Associates
Job ID: 590-29007-2
Project/Site: STA Mead

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: TP1(11)

Lab Sample ID: 590-29007-1
Date Collected: 01/15/25 09:50
Matrix: Solid
Date Received: 01/16/25 15:32
Percent Solids: 93.7

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**14**		8.8		mg/Kg	☼	01/31/25 10:46	02/04/25 13:07	10
Barium	**53**		8.8		mg/Kg	☼	01/31/25 10:46	02/04/25 13:07	10
Cadmium	ND		7.0		mg/Kg	☼	01/31/25 10:46	02/04/25 13:07	10
Chromium	**8.9**		8.8		mg/Kg	☼	01/31/25 10:46	02/04/25 13:07	10
Lead	ND		21		mg/Kg	☼	01/31/25 10:46	02/04/25 13:07	10
Selenium	ND		35		mg/Kg	☼	01/31/25 10:46	02/04/25 13:07	10
Silver	ND		8.8		mg/Kg	☼	01/31/25 10:46	02/04/25 13:07	10

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		45		ug/Kg	☼	02/05/25 10:15	02/05/25 13:09	1

Client Sample ID: TP2(10)

Lab Sample ID: 590-29007-2
Date Collected: 01/15/25 10:45
Matrix: Solid
Date Received: 01/16/25 15:32
Percent Solids: 92.6

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**12**		9.9		mg/Kg	☼	01/31/25 10:46	02/04/25 13:12	10
Barium	**52**		9.9		mg/Kg	☼	01/31/25 10:46	02/04/25 13:12	10
Cadmium	ND		7.9		mg/Kg	☼	01/31/25 10:46	02/04/25 13:12	10
Chromium	ND		9.9		mg/Kg	☼	01/31/25 10:46	02/04/25 13:12	10
Lead	ND		24		mg/Kg	☼	01/31/25 10:46	02/04/25 13:12	10
Selenium	ND		40		mg/Kg	☼	01/31/25 10:46	02/04/25 13:12	10
Silver	ND		9.9		mg/Kg	☼	01/31/25 10:46	02/04/25 13:12	10

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		44		ug/Kg	☼	02/05/25 10:15	02/05/25 13:12	1

Client Sample ID: TP3(11)

Lab Sample ID: 590-29007-3
Date Collected: 01/15/25 11:45
Matrix: Solid
Date Received: 01/16/25 15:32
Percent Solids: 92.0

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**15**		9.6		mg/Kg	☼	01/31/25 10:46	02/04/25 13:17	10
Barium	**58**		9.6		mg/Kg	☼	01/31/25 10:46	02/04/25 13:17	10
Cadmium	ND		7.7		mg/Kg	☼	01/31/25 10:46	02/04/25 13:17	10
Chromium	ND		9.6		mg/Kg	☼	01/31/25 10:46	02/04/25 13:17	10
Lead	ND		23		mg/Kg	☼	01/31/25 10:46	02/04/25 13:17	10
Selenium	ND		39		mg/Kg	☼	01/31/25 10:46	02/04/25 13:17	10
Silver	ND		9.6		mg/Kg	☼	01/31/25 10:46	02/04/25 13:17	10

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		38		ug/Kg	☼	02/05/25 10:15	02/05/25 13:14	1

Client Sample Results

Client: Budinger & Associates
Project/Site: STA Mead

Job ID: 590-29007-2

Client Sample ID: TP5(10)

Date Collected: 01/15/25 13:30
Date Received: 01/16/25 15:32

Lab Sample ID: 590-29007-5

Matrix: Solid
Percent Solids: 92.3

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**12**		9.1		mg/Kg	☼	01/31/25 10:46	02/04/25 13:22	10
Barium	**47**		9.1		mg/Kg	☼	01/31/25 10:46	02/04/25 13:22	10
Cadmium	ND		7.3		mg/Kg	☼	01/31/25 10:46	02/04/25 13:22	10
Chromium	**10**		9.1		mg/Kg	☼	01/31/25 10:46	02/04/25 13:22	10
Lead	ND		22		mg/Kg	☼	01/31/25 10:46	02/04/25 13:22	10
Selenium	ND		36		mg/Kg	☼	01/31/25 10:46	02/04/25 13:22	10
Silver	ND		9.1		mg/Kg	☼	01/31/25 10:46	02/04/25 13:22	10

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		41		ug/Kg	☼	02/05/25 10:15	02/05/25 13:17	1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 590-52097/2-A
Matrix: Solid
Analysis Batch: 52123

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52097

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.3		mg/Kg		01/31/25 10:46	02/03/25 12:47	1
Barium	ND		1.3		mg/Kg		01/31/25 10:46	02/03/25 12:47	1
Cadmium	ND		1.0		mg/Kg		01/31/25 10:46	02/03/25 12:47	1
Chromium	ND		1.3		mg/Kg		01/31/25 10:46	02/03/25 12:47	1
Lead	ND		3.0		mg/Kg		01/31/25 10:46	02/03/25 12:47	1
Selenium	ND		5.0		mg/Kg		01/31/25 10:46	02/03/25 12:47	1
Silver	ND		1.3		mg/Kg		01/31/25 10:46	02/03/25 12:47	1

Lab Sample ID: LCS 590-52097/1-A
Matrix: Solid
Analysis Batch: 52123

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52097

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			100	87.3		mg/Kg		87	80 - 120		
Barium			100	89.4		mg/Kg		89	80 - 120		
Cadmium			50.0	43.4		mg/Kg		87	80 - 120		
Chromium			50.0	44.4		mg/Kg		89	80 - 120		
Lead			50.0	47.1		mg/Kg		94	80 - 120		
Selenium			100	89.2		mg/Kg		89	80 - 120		
Silver			5.00	4.28		mg/Kg		86	80 - 120		

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 590-52164/9-A
Matrix: Solid
Analysis Batch: 52170

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		50		ug/Kg		02/05/25 10:15	02/05/25 12:49	1

Lab Sample ID: LCS 590-52164/8-A
Matrix: Solid
Analysis Batch: 52170

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52164

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			200	198		ug/Kg		99	80 - 120		

Lab Chronicle

Client: Budinger & Associates
Project/Site: STA Mead

Job ID: 590-29007-2

Client Sample ID: TP1(11)

Lab Sample ID: 590-29007-1
Date Collected: 01/15/25 09:50
Matrix: Solid
Date Received: 01/16/25 15:32
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.52 g	50 mL	52097	01/31/25 10:46	AMB	EET SPK
Total/NA	Analysis	6010D		10			52155	02/04/25 13:07	AMB	EET SPK
Total/NA	Prep	7471B			0.59 g	50 mL	52164	02/05/25 10:15	AMB	EET SPK
Total/NA	Analysis	7471B		1			52170	02/05/25 13:09	AMB	EET SPK

Client Sample ID: TP2(10)

Lab Sample ID: 590-29007-2
Date Collected: 01/15/25 10:45
Matrix: Solid
Date Received: 01/16/25 15:32
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.36 g	50 mL	52097	01/31/25 10:46	AMB	EET SPK
Total/NA	Analysis	6010D		10			52155	02/04/25 13:12	AMB	EET SPK
Total/NA	Prep	7471B			0.61 g	50 mL	52164	02/05/25 10:15	AMB	EET SPK
Total/NA	Analysis	7471B		1			52170	02/05/25 13:12	AMB	EET SPK

Client Sample ID: TP3(11)

Lab Sample ID: 590-29007-3
Date Collected: 01/15/25 11:45
Matrix: Solid
Date Received: 01/16/25 15:32
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.41 g	50 mL	52097	01/31/25 10:46	AMB	EET SPK
Total/NA	Analysis	6010D		10			52155	02/04/25 13:17	AMB	EET SPK
Total/NA	Prep	7471B			0.72 g	50 mL	52164	02/05/25 10:15	AMB	EET SPK
Total/NA	Analysis	7471B		1			52170	02/05/25 13:14	AMB	EET SPK

Client Sample ID: TP5(10)

Lab Sample ID: 590-29007-5
Date Collected: 01/15/25 13:30
Matrix: Solid
Date Received: 01/16/25 15:32
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.49 g	50 mL	52097	01/31/25 10:46	AMB	EET SPK
Total/NA	Analysis	6010D		10			52155	02/04/25 13:22	AMB	EET SPK
Total/NA	Prep	7471B			0.66 g	50 mL	52164	02/05/25 10:15	AMB	EET SPK
Total/NA	Analysis	7471B		1			52170	02/05/25 13:17	AMB	EET SPK

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Budinger & Associates
Job ID: 590-29007-2
Project/Site: STA Mead

Laboratory: Eurofins Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

Method Summary

Client: Budinger & Associates
Job ID: 590-29007-2
Project/Site: STA Mead

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET SPK
7471B	Mercury (CVAA)	SW846	EET SPK
3050B	Preparation, Metals	SW846	EET SPK
7471B	Preparation, Mercury	SW846	EET SPK

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

>> Select a Laboratory or Service Center <<

Spokane Valley, WA

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Steve Burchett	Site Contact:	Date:	COC No:
Budinger & Associates	Tel/Fax:	Lab Contact:	Carrier:	___ of ___ COCs
1101 N Fancher Rd	Analysis Turnaround Time			TALS Project #:
Spokane Valley, WA 99212	☑ CALENDAR DAYS ☐ WORKING DAYS			Sampler:
509 535-8841	TAT if different from Below			For Lab Use Only:
( ) - FAX	☑ 2 weeks			Walk-in Client:
Project Name: STA Mead	☐ 1 week			Lab Sampling:
Site: Farwell Road Property	☐ 2 days			
X24826	☐ 1 day			Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	NWTPH - HCID	PAH 8207 SIM	PCBs 8082A	Fluoride, Cyanide	RCRA8 Metals L. Reich 1-23-25 8:55	Sample Specific Notes:
TP1(11)	1/15/2025	9:50	G	1	2	X	X	X	X	X	
TP2(10)	1/15/2025	10:45	G	1	2	X	X	X	X	X	
TP3(11)	1/15/2025	11:45	G	1	2	X	X	X	X	X	
TP4(12)	1/15/2025	12:30	G	1	2	H	H	H	H		H= Hold
TP5(10)	1/15/2025	13:30	G	1	2	X	X	X	X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☑ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 4.4 Corr'd: 4.8 | Therm ID No.: 12C06

Relinquished by: [signature]	Company: B&A	Date/Time: 1-16-25 15:20	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Budinger & Associates

Job Number: 590-29007-2

Login Number: 29007

List Source: Eurofins Spokane

List Number: 1

Creator: Morris, Mackenzie 1

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

SanAir Technologies Laboratory

The Identification Specialists

Analysis Report
prepared for
Budinger & Associates, Inc.

Report Date: 1/29/2025

Project Name: Mead Aqueduct

Project #: X24826

SanAir ID#: 25004048

NVLAP TESTING

NVLAP LAB CODE 200870-0

10501 Trade Court, North Chesterfield, Virginia 23236
888.895.1177 | 804.897.1177 | fax: 804.897.0070 | LabReports@SanAir.com | SanAir.com

SanAir ID Number
25004048
FINAL REPORT
1/29/2025 10:00:55 AM

Name: Budinger & Associates, Inc.
Address: 1101 N. Fancher Rd.
Suite A
Spokane Valley, WA 99212
Phone: 509-535-8841

Project Number: X24826
P.O. Number: X24826A1
Project Name: Mead Aqueduct
Collected Date: 1/15/2025
Received Date: 1/21/2025 1:35:00 PM

Dear Ryan Reich,

We at SanAir would like to thank you for the work you recently submitted. The 6 sample(s) were received on Tuesday, January 21, 2025 via UPS. The final report(s) is enclosed for the following sample(s): MTC1, MTC2, MTC3, MTC4, MTC5, MTC6.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:
- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:
- 6 samples in Good condition.

SanAir ID Number
25004048
FINAL REPORT
1/29/2025 10:00:55 AM

Name: Budinger & Associates, Inc.
Address: 1101 N. Fancher Rd.
Suite A
Spokane Valley, WA 99212
Phone: 509-535-8841

Project Number: X24826
P.O. Number: X24826A1
Project Name: Mead Aqueduct
Collected Date: 1/15/2025
Received Date: 1/21/2025 1:35:00 PM

Analyst: Mayes, Jean

Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Components		
SanAir ID / Description	Appearance	% Fibrous	% Non-fibrous	Asbestos Fibers
MTC1 / 25004048-001 Drain Pipe Cement Liner, Liner	Grey Non-Fibrous Heterogeneous		100% Other	None Detected
MTC1 / 25004048-001 Drain Pipe Cement Liner, Mortar	Grey Non-Fibrous Heterogeneous		100% Other	None Detected
MTC2 / 25004048-002 Drain Pipe Cement Liner	Grey Non-Fibrous Heterogeneous		100% Other	None Detected
MTC3 / 25004048-003 Drain Pipe Mortar	Grey Non-Fibrous Heterogeneous		100% Other	None Detected
MTC4 / 25004048-004 Drain Pipe Mortar	Grey Non-Fibrous Heterogeneous		100% Other	None Detected
MTC5 / 25004048-005 Drain Pipe Brick	Brown Non-Fibrous Heterogeneous		100% Other	None Detected
MTC6 / 25004048-006 Drain Pipe Brick	Brown Non-Fibrous Heterogeneous		100% Other	None Detected

Analyst: J. Mayes
Analysis Date: 1/29/2025

Approved Signatory:
Date: 1/29/2025

Disclaimer and Additional Information:
Asbestos Bulk PLM EPA 600/R-93/116

This report is the sole property of the client named on the chain-of-custody (COC) submitted to SanAir Technologies Laboratory, Inc. (SanAir). Results in the report are confidential information intended only for the use by the customer listed on the COC. Neither results nor reports will be discussed with or released to any third party without our client's written permission. The final report shall not be reproduced, except in full, without written approval of the laboratory to assure that parts of the report are not taken out of context. This report and any information contained within shall not be edited, altered, or modified in any way by any persons or agencies receiving, viewing, distributing, or otherwise possessing a copy of this final report. The laboratory reserves the right to perform amendments to any finalized report, of which shall supersede and make obsolete any previous editions. Such changes, modifications, additions, or deletions shall be effective immediately upon notice thereof, which may be given by means including but not limited to posting on the SanAir client portal website, electronic or conventional mail, or by any other means.

The information provided in this report applies only to the samples submitted and is relevant only for the date, time, and location of sampling. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client on the COC. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample(s) in the condition received at the laboratory and information provided by the client on the COC, such as: project number, project name, collection dates, P.O. number, special instructions, samples collected by, sample numbers, sample identifications, sample type, selected analysis type, flow rate, total volume or area, and start-stop times that may affect the validity of the results in this report. Samples were received in good condition unless otherwise noted on the report. When the client requires samples to be tested that deviates from a specific method or condition, all reported results may be affected by the deviation. SanAir assumes no responsibility or liability for the manner in which the results are used or interpreted.

This report does not constitute nor shall not be used by the client to claim product, process, system, or person certification, approval, or endorsement by NVLAP, NIST, NELAC, AIHA LAP, LLC or any other U.S. governmental agencies; all or somet tests contained in this report may not be accredited by every local, state, and federal regulatory agencies. Refer to the SanAir website at www.sanair.com for copies of current certificates and scopes of various accreditations, certifications, and licenses or contact the laboratory for inquiries regarding the status or scope of an accreditation or certification.

Samples are held for a period of 60 days. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. For NY state samples, method EPA 600/M4-82-020 is performed.

NYELAP Disclaimer:
Polarized-light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Asbestos Accreditations, Certifications, and Licenses
National Voluntary Laboratory Accreditation Program (NVLAP) Lab Code 200870-0
City of Philadelphia Department of Public Health Air Management Services, Certification#ALL-460
Commonwealth of Pennsylvania Department of Environmental Protection Number 68-05397
California State Environmental Laboratory Accreditation Program Certificate Number 2915
Colorado Department of Public Health and Environment Registration Number AL-23143
Connecticut Department of Public Health Environmental Laboratory Registration Number PH-0105
Massachusetts Department of Labor Standards Asbestos Analytical Services License Number: AA000222
State of Maine Department of Environmental Protection License Number: LB-0075
New York State Department of Health Laboratory ID: 11983
State of Rhode Island Department of Health Certification No.: PLM00126
Texas Department of State Health Services License Number: 300440
Commonwealth of Virginia Department of Professional and Occupational Regulation Number: 3333000323
State of Washington Department of Ecology Laboratory ID: C989
State of West Virginia Bureau for Public Health Analytical Laboratory Number: LT000616
Vermont Department of Health License Number: Asb-Co-An-000006
Louisiana Department of Environmental Quality AI Number 212253, LELAP Lab ID #05088

SanAir Technologies Laboratory
10501 Trade Ct., Suite 100
N. Chesterfield, VA 23236
804.897.1177 / 888.895.1177
Fax 804.897.0070
sanair.com

Asbestos Chain of Custody

Form 140, Rev 7, 10/20/2022

SanAir ID Number: 25004048

Company: Budinger & Associates, Inc.	Project #: X24826	Collected by: R Reich
Address: 1101 N. Fancher Rd.	Project Name: Mead Aqueduct	Phone #: 509-535-8841
City, St., Zip: Spokane Valley, WA 99212	Date Collected: 1-15-25	Fax #:
State of Collection: WA Account#: 4425	P.O. Number: X24826A1	Email: rreich@budingerinc.com

Bulk

ABB	PLM EPA 600/R-93/116	✓
	Positive Stop	☐
ABEPA	PLM EPA 400 Point Count	☐
ABB1K	PLM EPA 1000 Point Count	☐
ABBEN	PLM EPA NOB**	☐
ABBCH	TEM Chatfield**	☐
ABBTM	TEM EPA NOB**	☐
ABQ	PLM Qualitative	☐

** Available on 24-hr. to 5-day TAT

Air

ABA	PCM NIOSH 7400	☐
ABA-2	OSHA w/ TWA*	☐
ABTEM	TEM AHERA	☐
ABATN	TEM NIOSH 7402	☐
ABT2	TEM Level II	☐
Other:		☐

New York ELAP

ABEPA2	NY ELAP 198.1	☐
ABENY	NY ELAP 198.6 PLM NOB	☐
ABBNY	NY ELAP 198.4 TEM NOB	☐
	Positive Stop	☐

Soil

ABSE	PLM EPA 600/R-93/116 (Qual.)	☐

Vermiculite

ABB	PLM EPA 600/R-93/116	☐
ABEPA3	PLM EPA 400 Point Count	☐
ABCM	Cincinnati Method	☐

Dust

ABWA	TEM Wipe ASTM D-6480	☐
ABDMV	TEM Microvac ASTM D-5755	☐

Water

ABHE	EPA 100.2	☐

Matrix	Other	
		☐

Turn Around Times				
	3 HR (4 HR TEM) ☐	6 HR (8HR TEM) ☐	12 HR ☐	1 Day ☐
	☐ 2 Days	☐ 3 Days	☐ 4 Days	■ 5 Days

Special Instructions

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start – Stop Time*	
MTC1	Drain Pipe Cement Liner		1-15-25			
MTC2	Drain Pipe Cement Liner		1-15-25			
MTC3	Drain Pipe Mortar		1-15-25			
MTC4	Drain Pipe Mortar		1-15-25			
MTC5	Drain Pipe Brick		1-15-25			
MTC6	Drain Pipe Brick		1-15-25			

Relinquished by	Date	Time	Received by	Date	Time
[signature]	1-16-25	14:40	[signature]	1/17/25	10:25am

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of $150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Ground and Next Day Air shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.

KYRON

Certificate of Completion

Ryan Reich

has successfully completed

4-Hr AHERA Certified Building Inspector Refresher Training

In compliance with TSCA Title II AHERA 40 CFR Part 763

as approved by the State of Missouri

Kyron Environmental Accreditation #MO-129

Date of Training & Exam: May 30, 2024 in Spokane WA

Certificate # BIR20240530-01

Timothy S. Lee

Tim Lee, Instructor

Expires: 5/30/2025

PO Box 19214 | Spokane, WA 99219 | **Phone** 509.252.8880 | **Web** Kyronehs.com