



September 7, 2022

Christer Loftenius
Washington State Department of Ecology
PO Box 47600
Olympia, Washington 98604

Re: Progress Report No. 15, District on the River Redevelopment, August 2022
Sagamore Spokane, LLC; PPCD No. 21200059-32
Facility/Site ID #1523145 and Cleanup Site ID #3509
Project No. 190210

Dear Christer:

This Progress Report has been prepared by Aspect Consulting, LLC (Aspect) for the District on the River Redevelopment at the Hamilton Street Bridge site (Site) as a requirement of Prospective Purchaser Consent Decree (PPCD) No. 21200059-32 between Sagamore Spokane, LLC and the Washington State Department of Ecology (Ecology). The PPCD was signed and executed on January 15, 2021. Section XII of the PPCD requires Sagamore Spokane, LLC (Sagamore) to submit to Ecology a written monthly Progress Report that describes the PPCD required actions completed during the reporting period. This Progress Report No. 15 covers the reporting period of August 8 to September 2, 2022

1) Progress During Reporting Period

Portions of construction activity that relate to the environmental condition of the Site include:

Waste Profiling. Contaminated soil from deep sewer excavations was segregated and sampled for waste profiling and disposal. Up to 250 tons of contaminated soil exceeded Washington State Dangerous Waste criteria, and this material was profiled under OR351552 (attached), which was approved for disposal at Chemical Waste Management in Arlington, Oregon on August 31, 2022. The waste is unregulated in the state of Oregon and receives the code X007 for being regulated as dangerous in the state of origin. In order to have the profile approved, additional analytical analyses for toxicity characteristic leaching procedure (TCLP) of lead, gasoline-range organics, and benzene, toluene, ethylbenzene, and xylene (BTEX) were requested by the receiving facility; the analytical data is attached.

Transport and disposal of the Washington State Dangerous Waste has not yet occurred, but it will be completed by Waste Management in accordance with federal and state waste regulation.

Water Lines. Utility excavation, installation, and backfill activities for water lines were conducted during this reporting period. Water lines are installed in very shallow soil (upper couple feet), and no potentially contaminated soils have been observed to date in these excavations.

2) Sampling and/or Testing Reports Received

Additional analytical data for temporary soil stockpiles from the utility excavations for waste profiling, as requested by the receiving facility, are attached.



3) Summary of Deviations

No deviations during this reporting period.

4) Schedule

The micropile production for deep foundations is on standby; Aspect will share the revised construction schedule with Ecology when it is produced by the Contractor.

5) Contact with Other Parties

Sagamore's counsel sent a revised draft of the access agreement to the PLPs' counsel on August 19, 2022. The access agreement is still being negotiated.

Spokane County accessed the Site on August 25, 2022 to remove the stream gauge deployed near a footing of the Hamilton Street Bridge.

6) List of Deliverables and Key Activities Planned for Next Month

Aspect will continue environmental oversight assisting the Contractor with soil management during utility installation, Building 2A subgrade preparation, and micropile installation.

Please let us know if you have any questions.

Sincerely,

Aspect consulting, LLC



Breeyn Greer, PE
Project Engineer
bgreer@aspectconsulting.com



Adam Griffin, PE
Senior Associate Engineer
agriffin@aspectconsulting.com

Attachments:

- Attachment 1 – OR351552 Approved Profile
- Attachment 2 – Stockpile Analytical Results from Eurofins

cc: Dave Cook, Aspect Consulting LLC (email only)
Chuck Dubroff, Sagamore Spokane LLC (email only)
Kevin Schafer, Garco Construction (email only)

ATTACHMENT 1

OR351552 Approved Profile



Requested Facility: Chemical Waste Management (Hazardous Waste Facility) Profile Number: OR351552

A. GENERATOR INFORMATION (MATERIAL ORIGIN)

- 1. Generator Name: Sagamore Spokane LLC
2. Generator Site Address: 111 M Erie Street
3. County: Spokane
4. Contact Name: Robert Hayes
5. Email:
6. Phone: (602) 549-4021
7. Fax:
8. Generator EPA ID:
9. State ID:

C. MATERIAL INFORMATION

- 1. Common Name: Fill Soil
Describe Process(es) Generating Material:
Soil and/or Cleanup Debris from a former Manufactured Gas Plant (MGP) Contaminated with polycyclic aromatic hydrocarbons (PAHs), metals (including lead) and diesel and oil range hydrocarbons. Soil was generated during property
2. Material Composition and Contaminants:
Table with 2 columns: Contaminant, Percentage
3. State Waste Codes: WT02
4. Color: Red-Brown to Black
5. Physical State at 70°F: Solid
6. Free Liquid Range Percentage:
7. pH:
8. Strong Odor: No
9. Flash Point: <140°F, 140°-199°F, >=200°F

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

- 1. Analytical attached: Yes
Please identify applicable samples and/or lab reports:
Both samples were collected from the soil stockpile being disposed. SS3-1 was subsequently analyzed for TCLP lead. An additional sample was collected and analyzed for TPH-G + BTEX.
2. Other information attached (such as MSDS):

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this EZ Profile™ form, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided.

I am an Authorized Agent signing on behalf of the Generator, and I have confirmed with the Generator that information contained in this profile, as well as supporting documents provided, are accurate and complete.

Name (Print): Robert Hayes Date: 08/26/2022
Title: President
Company: Bridgestone Capital

B. BILLING INFORMATION

- 1. Billing Name: Corridor Contractors
2. Billing Address: PO Box 28102
3. Contact Name: Scott Walls
4. Email: scott@corridorcontractors.com
5. Phone: (509) 570-2580
6. Fax:
7. WM Hauled? Yes
8. P.O. Number: 22015.1000 Contaminated
9. Payment Method: Credit Account

D. REGULATORY INFORMATION

- 1. EPA Hazardous Waste? No
2. State Hazardous Waste? Yes
3. Is this material non-hazardous due to Treatment, Delisting, or an Exclusion? No
4. Contains Underlying Hazardous Constituents? No
5. From an industry regulated under Benzene NESHAP? No
6. Facility remediation subject to 40 CFR 63 GGGGG? No
7. CERCLA or State-mandated clean-up? No
8. NRC or State-regulated radioactive or NORM waste? No
9. Contains PCBs? No
10. Regulated and/or Untreated Medical/Infectious Waste? No
11. Contains Asbestos? No

F. SHIPPING AND DOT INFORMATION

- 1. One-Time Event
2. Estimated Quantity/Unit of Measure: 200 Yards
3. Container Type and Size:
4. USDOT Proper Shipping Name: N/A

Certification Signature
Robert Hayes
0092782410...



Only complete this Addendum if prompted by responses on EZ Profile™ (page 1) or to provide additional information. Sections and question numbers correspond to EZ Profile™.

Profile Number: OR351552

C. MATERIAL INFORMATION

Describe Process Generating Material (Continued from page 1): If more space is needed, please attach additional pages.

cleanup/redevelopment.

Material Composition and Contaminants (Continued from page 1): If more space is needed, please attach additional pages.

5.	
6.	
7.	
8.	
9.	
Total composition must be equal to or greater than 100%	≥100%

D. REGULATORY INFORMATION

Only questions with a “Yes” response in Section D on the EZ Profile™ form (page 1) need to be answered here.

1. EPA Hazardous Waste

a. Please list all USEPA listed and characteristic waste code numbers:

--

b. Is the material subject to the Alternative Debris standards (40 CFR 268.45)? Yes No

c. Is the material subject to the Alternative Soil standards (40 CFR 268.49)? → If Yes, complete question 4. Yes No

d. Is the material exempt from Subpart CC Controls (40 CFR 264.1083)? Yes No

→ If Yes, please check **one** of the following:

Waste meets LDR or treatment exemptions for organics (40 CFR 264.1082(c)(2) or (c)(4))

Waste contains VOCs that average <500 ppmw (CFR 264.1082(c)(1)) – will require annual update.

2. State Hazardous Waste → Please list all state waste codes: _____

3. For material that is Treated, Delisted, or Excluded → Please indicate the category, below:

Delisted Hazardous Waste Excluded Waste under 40 CFR 261.4 → Specify Exclusion: _____

Treated Hazardous Waste Debris Treated Characteristic Hazardous Waste → If checked, complete question 4.

4. Underlying Hazardous Constituents → Please list all Underlying Hazardous Constituents:

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5. Industries regulated under Benzene NESHAP include petroleum refineries, chemical manufacturing plants, coke by-product recovery plants, and TSDFs.

a. Are you a TSDF? → If yes, please complete Benzene NESHAP questionnaire. If not, continue. Yes No

b. Does this material contain benzene? Yes No

1. If yes, what is the flow weighted average concentration? _____ ppmw

c. What is your facility's current total annual benzene quantity in Megagrams? <1 Mg 1–9.99 Mg ≥10 Mg

d. Is this waste soil from a remediation? Yes No

1. If yes, what is the benzene concentration in remediation waste? _____ ppmw

e. Does the waste contain >10% water/moisture? Yes No

f. Has material been treated to remove 99% of the benzene or to achieve <10 ppmw? Yes No

g. Is material exempt from controls in accordance with 40 CFR 61.342? Yes No

→ If yes, specify exemption: _____

h. Based on your knowledge of your waste and the BWON regulations, do you believe that this waste stream is subject to treatment and control requirements at an off-site TSDF? Yes No

6. 40 CFR 63 GGGGG → Does the material contain <500 ppmw VOHAPs at the point of determination? Yes No

7. CERCLA or State-Mandated clean up → Please submit the Record of Decision or other documentation with process information to assist others in the evaluation for proper disposal. A “Determination of Acceptability” may be needed for CERCLA wastes not going to a CERCLA approved facility.

8. NRC or state regulated radioactive or NORM Waste → Please identify Isotopes and pCi/g: _____

ATTACHMENT 2

Stockpile Analytical Results from Eurofins

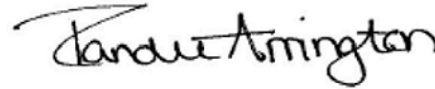
ANALYTICAL REPORT

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-18403-1
Client Project/Site: SAGAMORE

For:
Aspect Consulting
710 Second Avenue
Suite 550
Seattle, Washington 98104

Attn: Breeyn Greer



*Authorized for release by:
8/24/2022 7:03:50 PM*

Randee Arrington, Lab Director
(509)924-9200
Randee.Arrington@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

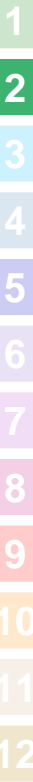


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Case Narrative

Client: Aspect Consulting
Project/Site: SAGAMORE

Job ID: 590-18403-1

Job ID: 590-18403-1

Laboratory: Eurofins Spokane

Narrative

Receipt

The sample was received on 8/23/2022 3:55 PM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 10.4° C.

Receipt Exceptions

An 8oz soil jar was submitted for %moisture on 08/24/22@11:50 at 16.5°C for the following sample: SS3-2-082322 (590-18403-1).

GC/MS VOA

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

General Chemistry

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

VOA Prep

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

1

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Sample Summary

Client: Aspect Consulting
Project/Site: SAGAMORE

Job ID: 590-18403-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-18403-1	SS3-2-082322	Solid	08/23/22 13:15	08/23/22 15:55

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

Definitions/Glossary

Client: Aspect Consulting
Project/Site: SAGAMORE

Job ID: 590-18403-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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 Results

Client: Aspect Consulting
Project/Site: SAGAMORE

Job ID: 590-18403-1

Client Sample ID: SS3-2-082322

Lab Sample ID: 590-18403-1

Date Collected: 08/23/22 13:15

Matrix: Solid

Date Received: 08/23/22 15:55

Percent Solids: 90.8

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00033		0.00024	0.00012	mg/Kg	☼	08/23/22 14:43	08/23/22 21:30	1
Ethylbenzene	ND		0.0012	0.00019	mg/Kg	☼	08/23/22 14:43	08/23/22 21:30	1
m,p-Xylene	0.00066	J	0.0048	0.00034	mg/Kg	☼	08/23/22 14:43	08/23/22 21:30	1
o-Xylene	0.00029	J	0.0024	0.00027	mg/Kg	☼	08/23/22 14:43	08/23/22 21:30	1
Toluene	0.00073	J	0.0012	0.00016	mg/Kg	☼	08/23/22 14:43	08/23/22 21:30	1
Xylenes, Total	0.00095	J	0.0071	0.00062	mg/Kg	☼	08/23/22 14:43	08/23/22 21:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		75 - 129	08/23/22 14:43	08/23/22 21:30	1
4-Bromofluorobenzene (Surr)	86		76 - 122	08/23/22 14:43	08/23/22 21:30	1
Dibromofluoromethane (Surr)	105		80 - 120	08/23/22 14:43	08/23/22 21:30	1
Toluene-d8 (Surr)	100		80 - 120	08/23/22 14:43	08/23/22 21:30	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2.7	J	3.0	1.1	mg/Kg	☼	08/23/22 14:43	08/23/22 21:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		41.5 - 162	08/23/22 14:43	08/23/22 21:30	1

QC Sample Results

Client: Aspect Consulting
Project/Site: SAGAMORE

Job ID: 590-18403-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 590-37709/1-A
Matrix: Solid
Analysis Batch: 37707

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37709

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		0.020	0.010	mg/Kg		08/23/22 14:43	08/23/22 14:56	1
Ethylbenzene	ND		0.10	0.016	mg/Kg		08/23/22 14:43	08/23/22 14:56	1
m,p-Xylene	ND		0.40	0.029	mg/Kg		08/23/22 14:43	08/23/22 14:56	1
o-Xylene	ND		0.20	0.023	mg/Kg		08/23/22 14:43	08/23/22 14:56	1
Toluene	ND		0.10	0.013	mg/Kg		08/23/22 14:43	08/23/22 14:56	1
Xylenes, Total	ND		0.60	0.052	mg/Kg		08/23/22 14:43	08/23/22 14:56	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	102		75 - 129	08/23/22 14:43	08/23/22 14:56	1
4-Bromofluorobenzene (Surr)	87		76 - 122	08/23/22 14:43	08/23/22 14:56	1
Dibromofluoromethane (Surr)	112		80 - 120	08/23/22 14:43	08/23/22 14:56	1
Toluene-d8 (Surr)	104		80 - 120	08/23/22 14:43	08/23/22 14:56	1

Lab Sample ID: LCS 590-37709/2-A
Matrix: Solid
Analysis Batch: 37707

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37709

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.500	0.495		mg/Kg		99	77 - 135
m,p-Xylene	0.500	0.461		mg/Kg		92	78 - 130
o-Xylene	0.500	0.459		mg/Kg		92	77 - 129
Toluene	0.500	0.552		mg/Kg		110	77 - 131

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	102		75 - 129
4-Bromofluorobenzene (Surr)	92		76 - 122
Dibromofluoromethane (Surr)	110		80 - 120
Toluene-d8 (Surr)	104		80 - 120

Lab Sample ID: 590-18403-1 DU
Matrix: Solid
Analysis Batch: 37707

Client Sample ID: SS3-2-082322
Prep Type: Total/NA
Prep Batch: 37709

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Benzene	0.00033		0.000396		mg/Kg	⊛	17	25
Ethylbenzene	ND		ND		mg/Kg	⊛	NC	25
m,p-Xylene	0.00066	J	0.000701	J	mg/Kg	⊛	7	23
o-Xylene	0.00029	J	0.000315	J	mg/Kg	⊛	8	25
Toluene	0.00073	J	0.000799	J	mg/Kg	⊛	9	25
Xylenes, Total	0.00095	J	0.00102	J	mg/Kg	⊛	7	25

Surrogate	DU	DU	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	96		75 - 129
4-Bromofluorobenzene (Surr)	88		76 - 122
Dibromofluoromethane (Surr)	106		80 - 120
Toluene-d8 (Surr)	103		80 - 120

Eurofins Spokane

QC Sample Results

Client: Aspect Consulting
Project/Site: SAGAMORE

Job ID: 590-18403-1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Lab Sample ID: MB 590-37709/1-A
Matrix: Solid
Analysis Batch: 37706

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37709

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.0	1.8	mg/Kg		08/23/22 14:43	08/23/22 20:47	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		41.5 - 162				08/23/22 14:43	08/23/22 20:47	1

Lab Sample ID: LCS 590-37709/3-A
Matrix: Solid
Analysis Batch: 37706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37709

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline	50.2	47.2		mg/Kg		94	74.4 - 124
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	85		41.5 - 162				

Lab Sample ID: 590-18403-1 DU
Matrix: Solid
Analysis Batch: 37706

Client Sample ID: SS3-2-082322
Prep Type: Total/NA
Prep Batch: 37709

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Gasoline	2.7	J	3.21		mg/Kg	✱	17	32.3
Surrogate	DU %Recovery	DU Qualifier	Limits					
4-Bromofluorobenzene (Surr)	88		41.5 - 162					

Lab Chronicle

Client: Aspect Consulting
Project/Site: SAGAMORE

Job ID: 590-18403-1

Client Sample ID: SS3-2-082322

Lab Sample ID: 590-18403-1

Date Collected: 08/23/22 13:15

Matrix: Solid

Date Received: 08/23/22 15:55

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			37729	08/24/22 12:35	JSP	EET SPK

Client Sample ID: SS3-2-082322

Lab Sample ID: 590-18403-1

Date Collected: 08/23/22 13:15

Matrix: Solid

Date Received: 08/23/22 15:55

Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			22.308 g	10 mL	37709	08/23/22 14:43	JSP	EET SPK
Total/NA	Analysis	8260D		1	43 mL	43 mL	37707	08/23/22 21:30	JSP	EET SPK
Total/NA	Prep	5035			22.308 g	10 mL	37709	08/23/22 14:43	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	37706	08/23/22 21:30	JSP	EET SPK

Laboratory References:

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

Accreditation/Certification Summary

Client: Aspect Consulting
Project/Site: SAGAMORE

Job ID: 590-18403-1

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	01-06-23

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Aspect Consulting
Project/Site: SAGAMORE

Job ID: 590-18403-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET SPK
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	EET SPK
Moisture	Percent Moisture	EPA	EET SPK
5035	Closed System Purge and Trap	SW846	EET SPK

Protocol References:

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

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9

10

11

12

Address: _____

TAL-8210

Regulatory Program DW NPDES RCRA Other

Client Contact	Project Manager: MARC CHALEANT	Site Contact:	Date: 8/23/22	COC No
Company Name: ASPECT CONSULTING	Tel/Email: 406 581 1321	Lab Contact: RANDEE	Carrier:	____ of ____ COCs
Address: 710 SEWARD AVE ST. 550	Analysis Turnaround Time			Sampler:
City/State/Zip: SEATTLE, WA 98104	<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS			For Lab Use Only
Phone: 406 581 1321	TAT if different from Below _____			Walk-in Client: _____
Fax:	<input type="checkbox"/> 2 weeks			Lab Sampling: _____
Project Name: SAGAMORE	<input type="checkbox"/> 1 week			Job / SDG No: _____
Site: 111 N. FRIS ST	<input type="checkbox"/> 2 days			
P O #: ASPECT # 190210	<input checked="" type="checkbox"/> 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N) Perform MS / MSD (Y/N)	Sample Specific Notes
SS3-2-082322	8/23/22	1316	C	SO		NWTPH-GX+BTEX X	



Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other _____	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
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	<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input checked="" type="checkbox"/> Archive for <u>1</u> Months
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	

Special Instructions/QC Requirements & Comments EDD					
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.		Cooler Temp. (°C): Obs'd <u>9.9</u> Corr'd <u>10.4</u> Therm ID No. <u>11006</u>	
Relinquished by: <u>Mant</u>	Company:	Date/Time:	Received by: <u>M. V.</u>	Company: <u>EET SAU</u>	Date/Time: <u>8/23/22 15:55</u>
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:



Address: _____

Chain of Custody Record 560711

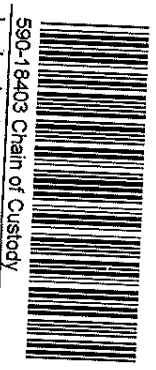


Environment Testing
TestAmerica

Regulatory Program DW NPDES RCRA Other

TAL-3210

Client Contact		Project Manager: MARC CHAFFIN		Site Contact: RANDEE		Date: 8/23/22		Carrier:		COC No: _____ of _____ COCs	
Company Name: ASPEC CONSULTING		Tel/Email: 406 581 1321		Lab Contact:		Date:		Carrier:		COC No: _____ of _____ COCs	
Address: 710 SEASIDE AVE SR 550		Analysis Turnaround Time		Filtered Sample (Y/N)		Perform MS / MSD (Y/N)		Carrier:		COC No: _____ of _____ COCs	
City/State/Zip: SEALED WA 98104		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		Perform MS / MSD (Y/N)		Perform MS / MSD (Y/N)		Carrier:		COC No: _____ of _____ COCs	
Phone: 406 581 1321		TAT if different from Below		Perform MS / MSD (Y/N)		Perform MS / MSD (Y/N)		Carrier:		COC No: _____ of _____ COCs	
Fax:		2 weeks <input type="checkbox"/>		Perform MS / MSD (Y/N)		Perform MS / MSD (Y/N)		Carrier:		COC No: _____ of _____ COCs	
Project Name: SANITIZER		1 week <input type="checkbox"/>		Perform MS / MSD (Y/N)		Perform MS / MSD (Y/N)		Carrier:		COC No: _____ of _____ COCs	
Site: 111 N. BRIDG ST		2 days <input type="checkbox"/>		Perform MS / MSD (Y/N)		Perform MS / MSD (Y/N)		Carrier:		COC No: _____ of _____ COCs	
P O # ASPEC # 190210		1 day <input checked="" type="checkbox"/>		Perform MS / MSD (Y/N)		Perform MS / MSD (Y/N)		Carrier:		COC No: _____ of _____ COCs	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix		# of Cont.	
SSS-2-062322		8/23/22		1315		C		SO		30	
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return to Client <input type="checkbox"/>		Disposal by Lab <input checked="" type="checkbox"/>		Archive for: 1 Months		Special Instructions/QC Requirements & Comments:	
Possible Hazard Identification		Cooler Temp (°C): 9.9		Obs'd: 9.9		Cor'd: 10.4		Therm ID No.: 1606		Special Instructions/QC Requirements & Comments:	
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.		Custody Seal In tact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.		Custody Seal No.		Custody Seal No.		Special Instructions/QC Requirements & Comments:	
Special Instructions/QC Requirements & Comments:		Custody Seal In tact: <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Custody Seal No.		Custody Seal No.		Custody Seal No.		Special Instructions/QC Requirements & Comments:	
Reinquired by: Marc		Company:		Date/Time: 8/23/22 15:55		Received by: Marc		Company: ESTSA		Date/Time: 8/23/22 15:55	
Reinquired by: Marc		Company:		Date/Time: 8/24/22 11:50		Received by: Marc		Company: ESTSA		Date/Time: 8/24/22 11:50	
Reinquired by:		Company:		Date/Time:		Received by:		Company:		Date/Time:	



590-18403 Chain of Custody

* additional container for dry weight correction

Login Sample Receipt Checklist

Client: Aspect Consulting

Job Number: 590-18403-1

Login Number: 18403

List Number: 1

Creator: Vaughan, Madison 1

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



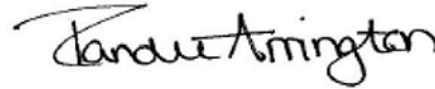
ANALYTICAL REPORT

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-18186-2
Client Project/Site: Sagamore

For:
Aspect Consulting
710 Second Avenue
Suite 550
Seattle, Washington 98104

Attn: Breeyn Greer



*Authorized for release by:
8/25/2022 4:25:45 PM*

Randee Arrington, Lab Director
(509)924-9200
Randee.Arrington@et.eurofinsus.com

LINKS

Review your project
results through



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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: Aspect Consulting
Project/Site: Sagamore

Job ID: 590-18186-2

Job ID: 590-18186-2

Laboratory: Eurofins Spokane

Narrative

Receipt

The samples were received on 7/28/2022 12:19 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 was 11.6° C.

Receipt Exceptions

The following sample was activated for TCLP Pb analysis by the client on 08/23/22: SS3-1-072822 (590-18186-2). This analysis was not originally requested on the chain-of-custody (COC).

Metals

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

General Chemistry

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

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Sample Summary

Client: Aspect Consulting
Project/Site: Sagamore

Job ID: 590-18186-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-18186-2	SS3-1-072822	Solid	07/28/22 11:10	07/28/22 12:19

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Definitions/Glossary

Client: Aspect Consulting
Project/Site: Sagamore

Job ID: 590-18186-2

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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 Results

Client: Aspect Consulting
Project/Site: Sagamore

Job ID: 590-18186-2

Client Sample ID: SS3-1-072822

Lab Sample ID: 590-18186-2

Date Collected: 07/28/22 11:10

Matrix: Solid

Date Received: 07/28/22 12:19

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.036	J	0.060	0.0051	mg/L		08/25/22 10:37	08/25/22 14:47	1

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QC Sample Results

Client: Aspect Consulting
Project/Site: Sagamore

Job ID: 590-18186-2

Method: 6010D - Metals (ICP)

Lab Sample ID: LCS 590-37735/1-A
Matrix: Solid
Analysis Batch: 37746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37735

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	1.00	0.940		mg/L		94	80 - 120

Lab Sample ID: LB 590-37723/1-B
Matrix: Solid
Analysis Batch: 37746

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 37735

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.060	0.0051	mg/L		08/25/22 10:37	08/25/22 14:43	1

Lab Sample ID: 590-18186-2 MS
Matrix: Solid
Analysis Batch: 37746

Client Sample ID: SS3-1-072822
Prep Type: TCLP
Prep Batch: 37735

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.036	J	1.00	0.915		mg/L		88	75 - 125

Lab Sample ID: 590-18186-2 MSD
Matrix: Solid
Analysis Batch: 37746

Client Sample ID: SS3-1-072822
Prep Type: TCLP
Prep Batch: 37735

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	0.036	J	1.00	0.948		mg/L		91	75 - 125	3	20

Lab Sample ID: 590-18186-2 DU
Matrix: Solid
Analysis Batch: 37746

Client Sample ID: SS3-1-072822
Prep Type: TCLP
Prep Batch: 37735

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	0.036	J	0.0385	J	mg/L		6	20

Lab Chronicle

Client: Aspect Consulting
Project/Site: Sagamore

Job ID: 590-18186-2

Client Sample ID: SS3-1-072822

Lab Sample ID: 590-18186-2

Date Collected: 07/28/22 11:10

Matrix: Solid

Date Received: 07/28/22 12:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			100.54 g	2000.11 mL	37723	08/24/22 11:00	AMB	EET SPK
TCLP	Prep	3010A			50 mL	50 mL	37735	08/25/22 10:37	AMB	EET SPK
TCLP	Analysis	6010D		1			37746	08/25/22 14:47	AMB	EET SPK

Laboratory References:

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



Accreditation/Certification Summary

Client: Aspect Consulting
Project/Site: Sagamore

Job ID: 590-18186-2

Laboratory: Eurofins Spokane

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-23

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Method Summary

Client: Aspect Consulting
Project/Site: Sagamore

Job ID: 590-18186-2

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET SPK
1311	TCLP Extraction	SW846	EET SPK
3010A	Preparation, Total Metals	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

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Eurofins Spokane

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

Chain of Custody Record

Client Information Client Contact: Breeyn Greer		Sampler: Bm6 Phone: 6022327343		Lab PM: Arrington, Randee E E-Mail: Randee.Arrington@et.eurofinsus.com		Carrier Tracking No(s): State of Origin:		COC No: 590-7704-2247 1 Page: Page 1 of 1	
Company: Aspect Consulting Address: 710 Second Avenue Suite 550 City: Seattle State, Zip: WA, 98104 Phone: 206-812(Tel) Email: bgreer@aspectconsulting.com Project Name: Sagamore Site: 111 N Eric St				PWSID:		Analysis Requested Job #: Aspect PN 190210			
Due Date Requested: 8/3		TAT Requested (days): 4		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		PO #: Purchase Order not required		WO #: Aspect PN 190210	
Project #: 59002065		SSOW#:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)		6010D, 7471B, 8270E, SIM, NWTPH_Dx NWTPH_Gx_MS Gx by GCMS		Total Number of Containers:	
Sample Identification			Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air)	Preservation Code:	Preservation Codes	
								A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Y Trizma Z other (specify)	
SS4-1-072822			7/28	1100	C	Solid		Special Instructions/Note:	
SS3 1-072822			↓	1110	C	Solid	X X		
SS3-2-072822			↓	1120	C	Solid	X X	HOLD	
						Solid			
						Solid			

590-18186 Chain of Custody

Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Archive For <u>1</u> Months				
Deliverable Requested: I, II, III, IV Other (specify) EDD					Special Instructions/QC Requirements:				
Empty Kit Relinquished by:			Date:		Time		Method of Shipment:		
Relinquished by: <i>[Signature]</i>			Date/Time: 7/28/22		12:15		Company: Aspect		Received by:
Relinquished by:			Date/Time:		Company:		Received by:		Date/Time:
Relinquished by:			Date/Time:		Company:		Received by: <i>[Signature]</i>		Date/Time: 7/28/22 12:19
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.	Cooler Temperature (°C) and Other Remarks: 11.6°C COPD 112006							

Login Sample Receipt Checklist

Client: Aspect Consulting

Job Number: 590-18186-2

Login Number: 18186

List Source: Eurofins Spokane

List Number: 1

Creator: Vaughan, Madison 1

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

