CITY OF SNOHOMISH

Founded 1859, Incorporated 1890

116 UNION AVENUE • SNOHOMISH, WASHINGTON 98290 • TEL (360) 568-3115 FAX (360) 568-1375

June 27, 2006

RECEIVED
JUN 28 2006
DEPT OF ECOLOGY

Mr. Steven Alexander
Washington State Department of Ecology
Northwest Regional Office
3190 160th Avenue S.E.
Bellevue, WA 98008-5452

R.E.: Discovery of an Uncontrolled Release of a Hazardous Waste Substance

Dear Mr. Alexander:

We are writing this letter to notify the State Department of Ecology, pursuant to MTCA regulations (Chapter 173-340-000 WAC) of the discovery of an uncontrolled release of hazardous waste at the City owned property located at 506 Fourth Street (Tax Parcel # 28061800207800). Included with this letter is a complete copy of the Phase II environmental report prepared by HWA and submitted to the City on May 17, 2006.

The City of Snohomish purchased this portion of property in early 2001 from Burlington Northern Railroad which included a portion south of Fourth Street. During the construction of the Snohomish Regional Library, the southern portion of the property discovered toxic soils and removed them. The parcel north of Fourth Street was recently requested to be reviewed as a potential new site for a newly constructed Snohomish Senior Center. As part of this process to determine the site's potential for this much needed facility, HWA was contracted to perform the environmental assessment.

Once you have had an opportunity to review HWA's report, the City would like to schedule a meeting with your office to review options and submit a grant application for financial assistance to address cleanup and options at the property. We found your assistance extremely helpful during the development of the Snohomish Regional Library and we look forward to addressing the conditions at this property to progress the development of the Snohomish Senior Center.

Thank you again for your attention. If you have any questions or if you require additional information, please contact me at 360.568.3115.

Sincerely,

Brad E. Nelson
Support Services Director
nelson@ci.snohomish.wa.us

CITY OF SNOHOMISH

Founded 1859, Incorporated 1890

116 UNION AVENUE • SNOHOMISH, WASHINGTON 98290 • TEL (360) 568-3115 FAX (360) 568-1375

August 25, 2006

Mr. Dale Myers
Washington Department of Ecology
3190 160th Ave. SE
Bellevue, WA 98008-5452

Dear Mr. Myers:

With this letter, please accept our application for the Voluntary Cleanup Program at the City owned property at 506 Fourth Street. This property is currently vacant and was previously owned by Burlington Northern Railroad. Included with this letter is a letter from the City's consultant, HWA Geosciences and the completed application forms.

Since this project is funded through a variety of public and private sources, with differing timeline requirements for project completion, we would request your assistance facilitating a prompt review and response. Any assistance you can provide would be greatly appreciated by this community and the users of the proposed new senior center.

We would also request a contact providing us with an estimate for the cost of your review so we can write a purchase order. The construction of the new Snohomish Senior Center is a valuable and much needed resource for our community and will fit nicely with the recently constructed Snohomish Regional Library system and the future extension of the Centennial Trail. If you have any questions, please contact me at 360.568.3115 or email nelson@ci.snohomish.wa.us

Sincerely,

Brad Nelson
Support Services Director
City of Snohomish

Washington State Department of Ecology
Toxics Cleanup Program

Voluntary Cleanup Program Site Log

Site Name: 506 4th St. Parcel FS ID#:

SIC: J1C54 Month(s): Oct Year: 200 6

Site Mgr. Name: J. Hicks VCP#: NW 1672

Date	Hours	Activity Description
9	.5	review 9-26-06 "Depth to GW Clarification"
10	.5	" 10-2-06 "Supplemental Soil Sampling"

DATA ON THIS FORM IS IN AGREEMENT WITH EMPLOYEE TIMESHEETS

EMPLOYEE'S SIGNATURE: [signature] DATE: 10-12-06

SUPERVISOR'S SIGNATURE: [signature] DATE: 10/12/06

REVIEWED
CDM 10/12/06

Washington State Department of Ecology
Toxics Cleanup Program

Voluntary Cleanup Program Site Log

Site Name: 506 4th St. Parcel FS ID#:

SIC: J1C54 Month(s): Sept. Year: 2006

Site Mgr. Name: J. Hicks VCP#: NW 1672

Date	Hours	Activity Description
18	1.0	Review Ph. II Env. Site Assess (May 17, '06 HWA)
26	1.0	write opin. ltr., mail after approval

DATA ON THIS FORM IS IN AGREEMENT WITH EMPLOYEE TIMESHEETS

EMPLOYEE'S SIGNATURE: Jacqueline Hicks DATE: 9-26-06

SUPERVISOR'S SIGNATURE: Michael H. Gallagher DATE: 9/28/06

SENT ON:

OCT 01 2006

DEPT OF ECOLOGY
NWRO-TCP

Washington State Department of Ecology
Toxics Cleanup Program

Voluntary Cleanup Program Site Log

Site Name: 506 4th St Parcel FS ID#: 8033548

SIC: J1C54 Month(s): Sept. Year: 2006

Site Mgr. Name: J. Hicks VCP#: NW 1672

Date	Hours	Activity Description
14	1.0	read folder - sim. form & HWA Aug. 25 letter plan look for phase II HWA report dated 5-17-06 in central file

SENT ON:
SEP 15 2006
DEPT OF ECOLOGY
NWRO-TCP

DATA ON THIS FORM IS IN AGREEMENT WITH EMPLOYEE TIMESHEETS

EMPLOYEE'S SIGNATURE: Jacqueline Hicks DATE: 9-14-06

SUPERVISOR'S SIGNATURE: Michael Hibbler DATE: 9/15/06

VCP AGREEMENT

- Facility/Site Name: 506 4th Street, Snohomish, Washington
- Facility/Site No.: 8033548
- VCP Project No: NW 1672 *For Office Administrative Use Only*

This document constitutes an Agreement between the State of Washington Department of Ecology (Ecology) and The City of Snohomish (Client) to provide informal site-specific technical consultations under the Voluntary Cleanup Program (VCP) for the Site identified above and associated with the following address: 506 4th Street, Snohomish, WA 98290.

The purpose of this Agreement is to facilitate independent remedial action at the Site. Ecology is entering into this Agreement under the authority of the Model Toxics Control Act (MTCA), Chapter 70.105D RCW, and its implementing regulations, Chapter 173-340 WAC. If a term in this Agreement is defined in MTCA or Chapter 173-340 WAC, then that definition shall govern.

Services Provided by Ecology

Upon request, Ecology agrees to provide the Client informal site-specific technical consultations on the independent remedial actions proposed for or performed at the Site consistent with WAC 173-340-515(5). Those consultations may include assistance in identifying applicable regulatory requirements and opinions on whether the remedial actions proposed for or conducted at the Site meet those requirements.

Ecology may use any appropriate resource to provide the Client with the requested consultative services. Those resources may include, but shall not be limited to, those of Ecology and the Office of the Attorney General. However, Ecology shall not use independent contractors unless the Client provides Ecology with prior written authorization.

In accordance with RCW 70.105D.030(1)(i), any opinions provided by Ecology under this Agreement are advisory only and not binding on Ecology. Ecology, the state, and officers and employees of the state are immune from all liability. Furthermore, no cause of action of any nature may arise from any act or omission in providing, or failing to provide, informal advice and assistance under the VCP.

Payment for Services by Client

The Client agrees to pay all costs incurred by Ecology in providing the informal site-specific technical consultations requested by the Client consistent with WAC 173-340-515(6) and 173-340-515(6). Those costs may include the costs incurred by attorneys or independent contractors used by Ecology to provide the requested consultative services. Ecology's hourly costs shall be determined based on the method in WAC 173-340-550(2).

Ecology shall mail the Client a monthly itemized statement of costs (invoice) by the tenth day of each month (invoice date) that there is a balance on the account. The invoice shall include a summary of the costs incurred, payments received, identity of staff involved, and amount of time staff spent on the project.

The Client shall pay the required amount by the due date, which shall be thirty (30) calendar days after the invoice date. If payment has not been received by the due date, then Ecology shall withhold any requested opinions and notify the Client by certified mail that the debt is past due. If payment has not been received within sixty (60) calendar days of the invoice date, then Ecology shall stop all work under the Agreement and may, as appropriate, assign the debt to a collection agency under Chapter 19.16 RCW. The Client agrees to pay the collection agency fee incurred by Ecology in the course of debt collection.

Reservation of Rights / No Settlement

This Agreement does not constitute a settlement of liability to the state under MTCA. This Agreement also does not protect a liable person from contribution claims by third parties for matters addressed by the Agreement. The state does not have the authority to settle with any person potentially liable under MTCA except in accordance with RCW 70.105D.040(4). Ecology's signature on this Agreement in no way constitutes a covenant not to sue or a compromise of any Ecology rights or authority.

Ecology reserves all rights under MTCA, including the right to require additional or different remedial actions at the Site should it deem such actions necessary to protect human health and the environment, and to issue orders requiring such remedial actions. Ecology also reserves all rights regarding the injury to, destruction of, or loss of natural resources resulting from the release or threatened release of hazardous substances at the Site.

Effective Date, Modifications, and Severability

The effective date of this Agreement shall be the date on which this Agreement is signed by the Toxics Cleanup Program's Section Manager or delegated representative. This Agreement may be amended by mutual agreement of Ecology and the Client. Amendments shall be in writing and shall be effective when signed by the Toxics Cleanup Program's Section Manager or delegated representative. If any provision of this Agreement proves to be void, it shall in no way invalidate any other provision of this Agreement.

Termination of Agreement

Either party may terminate this Agreement without cause by sending written notice to the other party by certified mail, return receipt requested. The effective date of termination shall be the date Ecology sends notice to the Client or the date Ecology receives notice from the Client, whichever occurs first.

Under this Agreement, the Client is only responsible for costs incurred by Ecology before the effective date of termination. However, termination of this Agreement shall not affect any right Ecology may have to recover its costs under MTCA or any other provision of law.

Representations and Signatures

The undersigned representative of the Client hereby certifies that he or she is fully authorized to enter into this Agreement and to execute and legally bind the Client to comply with the Agreement.

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Mark H. Eckman for Stan Alexander
Signature

Mark H. Eckman
Printed Name

Section Manager, NWRO
Toxics Cleanup Program *Section*

Date: 8/30/06

City of Snohomish
Name of Client

Signature of Client or Client Representative

Larry Bauman
Printed Name of Signatory

City Manager
Title of Signatory

Date: 08/24/06

Instructions: Please submit this Agreement to Ecology as part of the VCP application. Before submitting the Agreement, please provide the Client's name and the Site's address on the first page and complete the Client's portion of the signature block on the second page. If the application is accepted, Ecology will sign the Agreement and send the Client an acceptance letter that will include the completed Agreement as an enclosure.

ERTS # 556281

Department of Ecology - Environmental Report Tracking System

Initial Report

External Reference #

Caller Information

	First	Middle	Last
Name	BRAD		NELSON
Busines Name	CITY OF SNOHOMISH		
Street Address			
Other Address			
City		State WA	Zip
E-mail			Confidential_FL ☐

Phone	Ext	Type
(360) 568-3115		Business

Where did it happen

City of Snohomish / Former BNRR Railyard

Business or Location Name			
Street Address	506 4TH ST		
Other Address			
City/Place	SNOHOMISH	State WA	Zip
County - Region	**SNOHOMISH**	NWRO	FS ID
WIRA #			
Waterway			Type
Latitude		Longitude	
Topo Quad 1:24:000	SNOHOMISH		

Direction/Landmark (mile post, cross roads, township/range)
PARCEL # 28061800207800

What happened

Incident Date	6/28/2006	Received Date	6/28/2006
Medium	SOIL		
Material	OTHER HAZARDOUS		
Quantity		Unit	
Source	OTHER		
Cause	OTHER		
Activity	OTHER		
Impact	SOIL CONTAMINATION		
Vessel Name		Type	

Primary Potentially Responsible Party Information

	First	Middle	Last
Name			
Business Name	**CITY OF SNOHOMISH**		
Street Address			
Other Address			
City		State WA	Zip
Phone		Ext	Type
E-mail			

Additional Contact Information

Name	Phone	Ext	Type

More Information

REPORT OF UNCONTROLLED RELEASE OF HAZARDOUS WASTE AT THE CITY PROPERTY. PHASE II ENVIRONMENTAL REPORT INCLUDED WITH LETTER.

Entry Person MUSA ERTS, DONNA Entry Date 7/7/2006

*** The Initial report contains only information provided to Ecology from the complainant.

ERTS # **556281**

Referral

Referral # 91566

Primary ☑

Referral Method
- ○ E-mail ERTS number
- ○ E-mail attachment
- ◉ Print
- ○ Telephone

Person Referred to	EDENS, MARK
Phone	(425) 649-7070 Fax (425) 649-7098
E-mail	mede461@ecy.wa.gov
Program/Organization	TOXICS CLEANUP
Address	3190 160TH AVE SE
City	BELLEVUE WA 98008-5452
Region/Location	NWRO
Referral Date	7/7/2006

adj. business - oily leg. dumped in back (David took photo) Neighbor on Lincoln St. alleges used to burn batteries. #415 Maple Ave. another RP generated See - Alaska Indus. Elec. (Elec. Motor Service) 568-7624

investigator: Colleen Brantlinger, Witman date completed: 8/10/06

action: field response, NFA determ. action date: 7/28/06

SI completed. Site being listed conf. in soils for TPH-G and lead, susp. in soils for PAHs (subsurface fill burn layer - not tested). USTs still on surface, abandoned w/ residuals, by W. fence, piles of PCS from a removal elsewhere and dumped on this site still present, inadequate fencing of area to prevent access.

*** The Initial report contains only information provided to Ecology from the complainant.

ERTS # 556281

Followup

Inspector Information

Referral # 91566
Lead Inspector EDENS, MARK
Program/Organization TOXICS CLEANUP

* Region/Location NWRO
# of Ecology Staff 1 Overtime ☐

Action

Action	Start Date	End Date
REFERRAL	6/28/2006	7/12/2006

What happened

Incident Date 6/28/2006 Hazardous ☐

Medium
SOIL

Material
OTHER HAZARDOUS

Quantity ☐ Estimated

Source
OTHER

Cause
OTHER

Activity
OTHER

Impact
SOIL CONTAMINATION

Vessel

Lat. N47° 51.788
Long W122° 05.257
(central site)

Where did it happen

Business or Location Name
Street Address 506 4TH ST
Other Address
City/Place SNOHOMISH State WA Zip
County SNOHOMIS Region NWRO FS ID
Waterway Type
WRIA #
Latitude Longitude
Lat/Long Method
Topo Quad 1:24,000 SNOHOMISH

Potentially Responsible Party Information

Check if the primary PRP provided notice to Ecology ☐

Primary ☑ First Middle Last
Name
Business Name CITY OF SNOHOMISH
Street Address
Other Address
City State WA Zip
Phone Ext Type
E-mail

Narrative

Contacted Mr. Brad Nelson of the City of Snohomish on 7/12/06. He indicated that they wanted to remove the USTS and piles of contaminated soil on site and cap lead contaminated soil in place to accomplish cleanup. I indicated that there might be some risk of them not getting an NFA if they do not do more testing to define the limits of the lead-contaminated soil. I said that if the quantities are reasonably small and accessible that Ecology would most likely require it to be cleaned up, however if the quantities are very large and it is not practicable to clean up the contaminated soil that they might be able to obtain an NFA with a restrictive covenant. It was generally agreed that going through the VCP is the most reasonable method to obtain grant funding. Mr. Nelson indicated that they will be preparing a cleanup plan for the site for us to review. I referred him to Joe Hickey for technical assistance on the plan. I also indicated that this site would be referred to the II team for investigation and listing.

[M. Edens, 7/12/06]

Entry Person: EDENS, MARK Entry Date 7/12/2006

*** The Initial report contains only information provided to Ecology from the complainant.

FACILITY SITE INFORMATION (TCP)

Shaded fields are required

Site Name: City of Snohomish / Former BNRR Railyard FSID:

Location Description: N/E of corner of 4th St. and Maple Ave.

Geographic Position: ____

01 = Centroid of STR Unit	04 = Centroid of STR QTR QTR QTR Section	07 = NW Corner of Land Parcel
02 = Centroid of STR Qtr. Section	05 = Facility/Site Centroid	08 = Plant Entrance
03 = Centroid of STR QTR Section	06 = NE Corner of Land Parcel	09 = SE Corner of Land Parcel
		11 = SW Corner of Land Parcel
		99 = Unknown

Site Address: 506 4th St.

City: Snohomish **Zip:** 98290-2527

County: Snohomish WRIA ID: ____ Indian Land: ☐

Collection Source: ____

01 = Not Applicable	07 = "1:62,500	13 = "1:10,000	19 = "1:10,000-1:15,000
02 = "1:500,000	08 = "1:50,000	14 = "1:12,000	20 = "1:5,001-1:10,000
03 = "1:250,000	09 = "1:25,000	15 = "1:25,001-1:50,000	21 = "1:501-1:5,000
04 = "1:125,000	10 = "1:24,000	16 = "1:50,001-1:100,000	22 = <=1:500
05 = "1:100,000	11 = "1:20,000	17 = "1:20,001-1:125,000	23 = <1:500
06 = "1:63,360	12 = "1:15,840	18 = "1:15,001-1:20,000	99 = Unknown

Collection Method: ____

01 = Address Matching—Block Face	08 = Cadastral Survey	15 = GPS (Carrier/Geodetic)
02 = Address Matching—House Number	09 = Census Block 1990 Centroid	16 = GPS (Code/Geodetic)
03 = Address Matching—Street Centerline	10 = Census Block Group 1990 Centroid	17 = GPS (Kinematic)
04 = Address Matching—Unknown	11 = Conversion from STR	18 = GPS (Unknown)
05 = Aerial Photography—Rectified	12 = Digital or manual raw photo extraction	19 = Hand Measured—paper map
06 = Aerial Photography—Unknown	13 = Digitized of CTR screen/digital data	20 = LORAN-C
07 = Aerial Photography—Unrectified	14 = Digitized—paper map	21 = Orthophotography—digital
		22 = Orthophotography—paper
		23 = Satellite Imagery—Landsat MSS
		24 = Satellite Imagery—Landsat TM
		25 = Satellite Imagery—Other
		26 = Satellite Imagery—SPOT Panchromatic
		27 = Satellite Imagery—SPOT Multi Spectral
		28 = Zip Code Centroid
		99 = Unknown

Horizontal Datum: 2 (usual default)

01 = North American Datum 1927-NAD27	04 = WGS84 (GPS NAVD88)
02 = North American Datum 1983 ('91 adj.) = NAD83	99 = Unknown
03 = HARN\	

Areal Extent Code: ____

01 = Large Facility/Complex or area > 10 Acre	04 = Small Building or area < 5,000 sq. ft.
02 = Small Facility/Complex or area > 1 Acre < 10 Acre	05 = Crossing or Intersection of two features; e.g., bridge stream
03 = Large Building or area > 5,000 sq. ft.	06 = Small object or area < 10 sq. ft.; e.g., well
	99 = Unknown

Accuracy Level: ____

01 = > 1/100 meter	06 = +/- 40 feet (12 meter)	11 = +/- 1000 feet
02 = < 1/10 meter and > 1/100 meter	07 = +/- 100 feet (35 meter)	12 = +/- 2000 feet
03 = < 1 meter and > 1/10 meter	08 = +/- 180 feet (55 meter)	13 = > 2000 feet
04 = +/- 10 feet (3 meter)	09 = +/- 250 feet	99 = Unknown
05 = +/- 20 feet (6 meter)	10 = +/- 500 feet	

Dt 8/10/06

	Degree	Minute	Seconds		Number	Direction	Quarter	Circle
Latitude:	N 47°	54	988	Section:			Sec 1	NW NE SW SE
Longitude:	W 122°	05	257	Township:			Sec 2	NW NE SW SE
If you don't have LAT/LONG, please provide map of site!				Range:			Sec 3	NW NE SW SE

Ecology Interaction (check all that apply):

- ☐ FCS — Federal (Superfund Cleanup Site)
- ☐ LUST — LUST Facility
- ☐ UST — Underground Storage Tank
- ☒ SCS — State Cleanup Site
- ☐ VOLCLNST — Voluntary Cleanup

System (check all that apply):

- ☒ ISIS
- ☐ UST/LUST

EPA ID: _____

Active Status: ✓ Date: 8/10/06 Inactive Status: _____ Date: _____

Sic/NAIC Code:	Description:
1.	former railyard / vacant lot
2.	

If this site is a sub-site or operable unit of a larger site, include the name and FS ID# of the parent site:

FS ID#: _____ Site Name: _____

Company Name: City of Snohomish Title: (MR) MS DR

Last Name Nelson **First Name:** Brad Middle Initial: E

Address: 116 Union Ave. PO Box: _____

City: Snohomish **State:** Wa. **Zip:** 98290 Country: USA

Tax ID#: _____ UBI#: _____ **Phone#:** _____ Ext: _____

Fax#: _____ Alt Phone#: _____ E-Mail Address: _____

Affiliation Type: LHO

AC = Application Contact
AP = Affected Party
APPL = Applicant
ATT = Attorney
BC = Billing Contact
BO = Business Owner
CA = Co Applicant
CNTR = Contractor
CRP = Cost Recovery Party
DBA = Doing Business As
FOPER = Former Operator
FOWNR = Former Owner
IC = Inspection Contact
LAO = Land Owner
LEO = Legal Owner
MH = Mortgage Holder
OP = Operator
PE = Project Engineer
PI = Public Involvement Person
PLP = Potentially Liable Person
PM = Project Manager
PRMT = Permittee
PRP = Potentially Responsible Party
SA = Site Attorney
SC = Site Contact
SO = Site Owner
TSC = Toxics Site Contact
UNK = Unknown

Relationship Start Date: _____ Relationship End Date: _____

Alternate Site Names

1.
2.
3.

ISIS INFORMATION

Shaded fields are required

Site Name: City of Snohomish / Former BNRR Railyards **FS ID:** _____

TCP ID: _____ Tax Parcel #: 28061800207 UBAT: ☐ Warm Bin #: _____
800

Ecology Status: 1

1 = Awaiting SHA
2 = Ranked, Awaiting RA
3 = RA In progress
4 = Independent RA
5 = Construction Completed, O & M Underway
6 = RA Completed, Confirmational Monitoring Underway
7 = RA Conducted, residual contamination left on site; on-going institutional controls required
8 = RA and other activities completed

(Independent Status field required if Ecology Status is code 4)

Statute: 2

1 = CERCLA
2 = MTCA Only
3 = RCW 70.105B
4 = RCW 90.48
5 = RCRA-C
6 = RCRA-D
7 = MTCA (SED)

Independent Status: _____

1 = Release report received, awaiting assessment by PLP
2 = Independent Site Assessment or Interim RA Report received
3 = Independent Final RA Report received

(This field is only used and required if Ecology Status is 4)

Program Plan: _____

1 = Prepayment
2 = Program Plan
3 = IRAP
4 = VCP

Owner Type: 2

1 = Private
2 = Municipal
3 = County
4 = Federal
5 = State
6 = Tribal
7 = Mixed
8 = Other
9 = Unknown
10 = Publicly-Owned (Bankrupt)
11 = Financial Institution Owned (Bankrupt)

ERTS ID: 556281 UST/LUST SITE ID: _____ AFRS Code: _____

Site Manager: _____ **Responsible Unit:** NWRO

NFA Code: _____

1 = NFA after assessment, IRAP, or VCP
2 = Removed from Hazardous Sites List (HSL)
3 = Referred (transferred to another Ecology Prog.
4 = Referred to another agency
5 = Referred to local governmental entity
6 = Cleaned up under prior authority
7 = Cleanup completed, not on HSL
8 = Restrictive Covenant, Institutional Controls
9 = Removed from HSL, Restrictive Cov. Inst. Contr.

NFA Date: _____

Site Comments: _____

Activity Code	Activity Status	Start Date	End Date	Activity Lead	Action By	Neg. Start Date	Legal Mech.
SD	C	6/28/06	7/28/06	City of Sno.	4		
II	C	7/28/06	8/10/06	KC, DOE, Ecology	1		

Activity Codes

SD = Site Discovery/Report Received
II = Initial Investigation
ENL = Early Notice Letter
SHA = Site Hazard Assessment
HSL = Hazardous Sites Listing
EA = Emergency Action
IA = Interim Action
RC = Routine Cleanup Action
CAP = Cleanup Action Plan
CED = Cleanup Engineering Design
CC = Cleanup Construction
COM = Cleanup Operation & Maintenance
PR = Periodic Review (5 year)
RHSL = Removal from Hazardous Site List
RI/FS = Remedial Investigation/Feasibility Study

Activity Status Codes

C = Completed
I = In Process
P = Planned
X = Canceled

Action By Codes

1 = Ecology
2 = Ecology w/Contractor
3 = EPA
4 = Local Government
5 = Other
6 = PLP
7 = PLP w/Contractor

Legal Mechanism

1 = Enforcement Order
2 = Agreed Order
3 = Consent Decree
4 = Governmental Action
5 = Other
6 = Not Applicable
7 = Independent

Activity Comments:

Media	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1 Groundwater																		
2 Surface Water																		DW
3 Air																		
4 Soil			C				C		C		S							TY
5 Sediment																		PE
6 Drinking Water																		

Status Codes: B = Below Cleanup Levels; C = Confirmed (above cleanup levels); R = Remediated; S = Suspected

Drinking Water Types: 1 = Single Family; 2 = Community

Contaminant Codes:

1 = Base/Neutral Organics
2 = Halogenated Organic Compounds
3 = Metals—Priority Pollutants
4 = Metals—Other
5 = PCB
6 = Pesticides
7 = Petroleum Products
8 = Phenolic Compounds
9 = Non-Halogenated Solvents
10 = Dioxins
11 = PAH
12 = Reactive Wastes
13 = Corrosive Wastes
14 = Radioactive Wastes
15 = Conventional Contaminants, Organic
16 = Conventional Contaminants, Inorganic
17 = Asbestos
18 = Arsenic
19 = MTBE
(for examples of specifics within contaminant groups please check an ISIS manual)

Check all that apply

- ☐ 1. Drug Lab
- ☐ 2. Drum
- ☐ 3. Impoundment
- ☒ 4. Improper Handling
- ☒ 5. Landfill
- ☒ 6. Land Application
- ☐ 7. Pesticide Application
- ☐ 8. Pesticide Disposal
- ☒ 9. Spill
- ☐ 10. Storm Drain
- ☒ 11. Tank
- ☒ 12. Unknown

Voluntary Cleanup Program

Washington State Department of Ecology
Toxics Cleanup Program

TERRESTRIAL ECOLOGICAL EVALUATION FORM

Under the Model Toxics Control Act (MTCA), a terrestrial ecological evaluation is necessary if hazardous substances are released into the soils at a Site. In the event of such a release, you must take one of the following three actions as part of your investigation and cleanup of the Site:

1. Document an exclusion from further evaluation using the criteria in WAC 173-340-7491.
2. Conduct a simplified evaluation as set forth in WAC 173-340-7492.
3. Conduct a site-specific evaluation as set forth in WAC 173-340-7493.

When requesting a written opinion under the Voluntary Cleanup Program (VCP), you must complete this form and submit it to the Department of Ecology (Ecology). The form documents the type and results of your evaluation.

Completion of this form is not sufficient to document your evaluation. You still need to document your analysis and the basis for your conclusion in your cleanup plan or report.

If you have questions about how to conduct a terrestrial ecological evaluation, please contact the Ecology site manager assigned to your Site. For additional guidance, please refer to www.ecy.wa.gov/programs/tcp/policies/terrestrial/TEEHome.htm.

Step 1: IDENTIFY HAZARDOUS WASTE SITE	
Please identify below the hazardous waste site for which you are documenting an evaluation.	
Facility/Site Name: Sea-Alaska Industrial Services	
Facility/Site Address: 415 Maple Avenue	
Facility/Site No: CSID 417	VCP Project No.:

Step 2: IDENTIFY EVALUATOR			
Please identify below the person who conducted the evaluation and their contact information.			
Name: Audrey R. Heisey, LHG		Title: Senior Environmental Mngr	
Organization: Riley Group, Inc.			
Mailing address: 17522 Bothell Way NE			
City: Bothell		State: WA	Zip code: 98011
Phone: 425.415.0551	Fax:	E-mail: audreyh@riley-group.com	

Step 3: DOCUMENT EVALUATION TYPE AND RESULTS

A. Exclusion from further evaluation.

1. Does the Site qualify for an exclusion from further evaluation?

☒ Yes *If you answered **"YES,"** then answer **Question 2**.*

☐ No or Unknown *If you answered **"NO" or "UKNOWN,"** then skip to **Step 3B** of this form.*

2. What is the basis for the exclusion? *Check all that apply. Then skip to **Step 4** of this form.*

Point of Compliance: WAC 173-340-7491(1)(a)

☐ All soil contamination is, or will be,* at least 15 feet below the surface.

☐ All soil contamination is, or will be,* at least 6 feet below the surface (or alternative depth if approved by Ecology), and institutional controls are used to manage remaining contamination.

Barriers to Exposure: WAC 173-340-7491(1)(b)

☒ All contaminated soil, is or will be,* covered by physical barriers (such as buildings or paved roads) that prevent exposure to plants and wildlife, and institutional controls are used to manage remaining contamination.

Undeveloped Land: WAC 173-340-7491(1)(c)

☐ There is less than 0.25 acres of contiguous[#] undeveloped[±] land on or within 500 feet of any area of the Site and any of the following chemicals is present: chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene.

☒ For sites not containing any of the chemicals mentioned above, there is less than 1.5 acres of contiguous[#] undeveloped[±] land on or within 500 feet of any area of the Site.

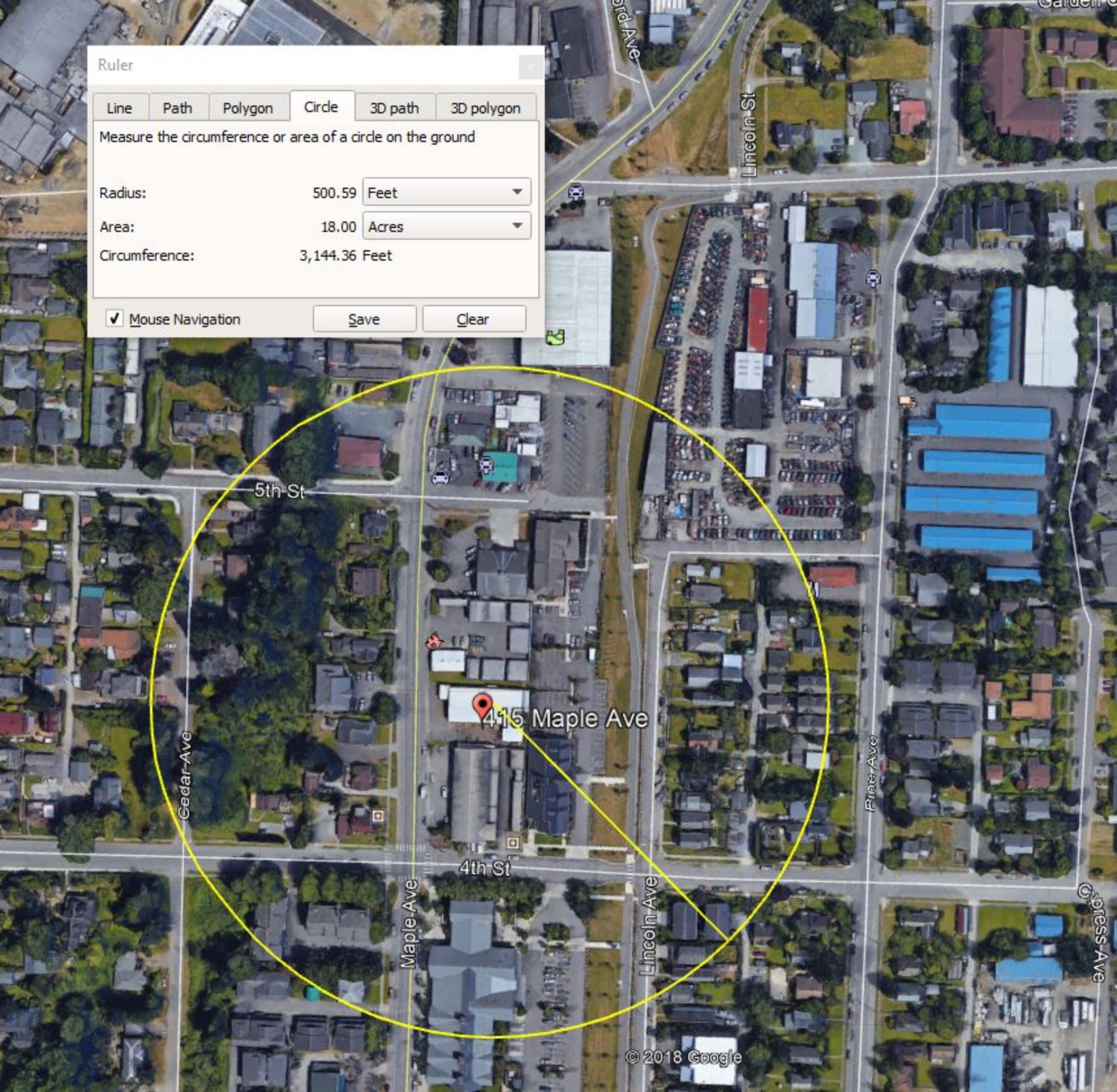
Background Concentrations: WAC 173-340-7491(1)(d)

☐ Concentrations of hazardous substances in soil do not exceed natural background levels as described in WAC 173-340-200 and 173-340-709.

* An exclusion based on future land use must have a completion date for future development that is acceptable to Ecology.

[±] "Undeveloped land" is land that is not covered by building, roads, paved areas, or other barriers that would prevent wildlife from feeding on plants, earthworms, insects, or other food in or on the soil.

[#] "Contiguous" undeveloped land is an area of undeveloped land that is not divided into smaller areas of highways, extensive paving, or similar structures that are likely to reduce the potential use of the overall area by wildlife.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Measure the circumference or area of a circle on the ground
Radius: 500.59 Feet
Area: 18.00 Acres
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Lincoln St
5th St
415 Maple Ave
Cedar Ave
4th St
Maple Ave
Lincoln Ave
Pine Ave
Cypress Ave
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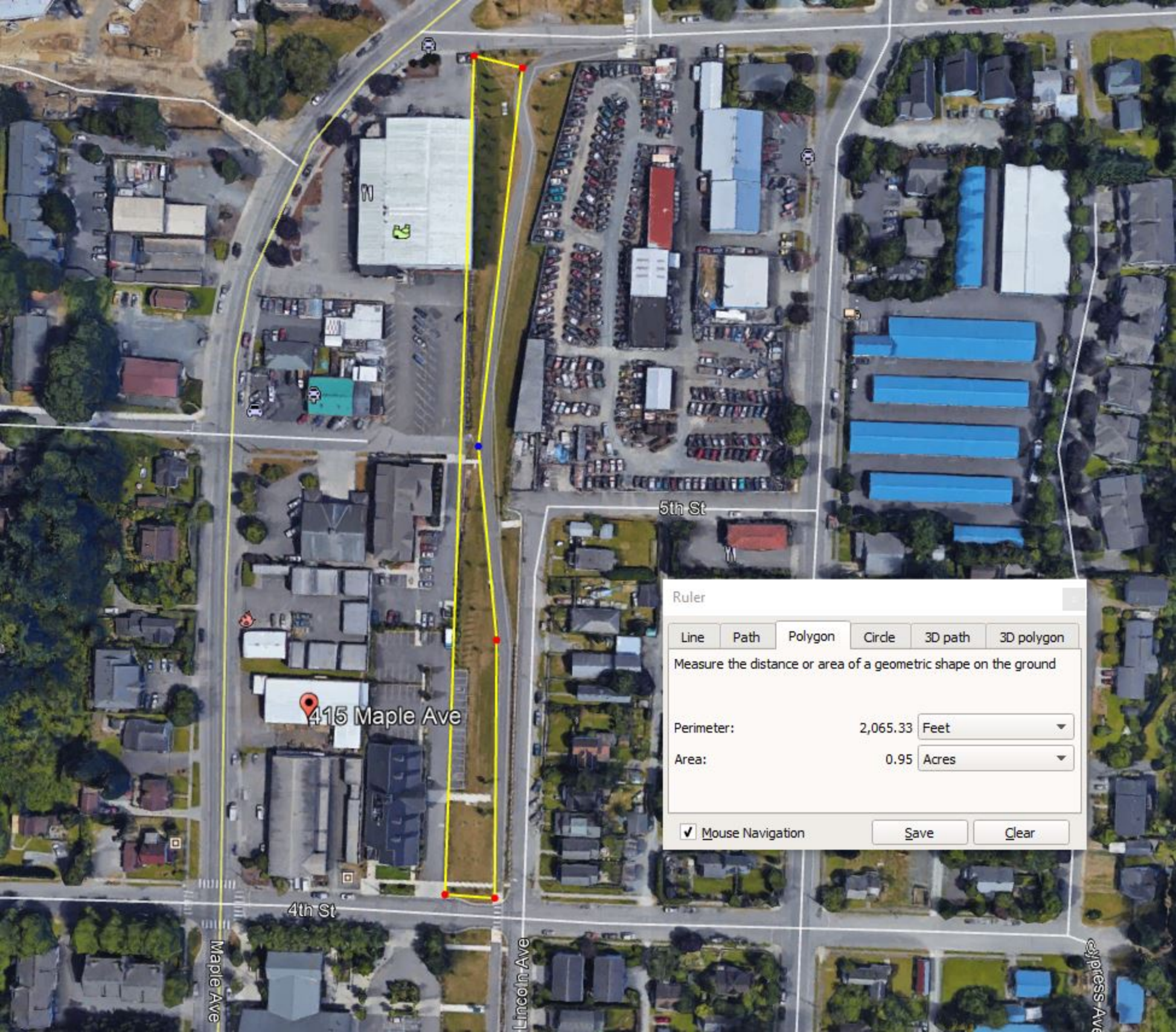
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Maple Ave
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Cypress Ave
Ruler
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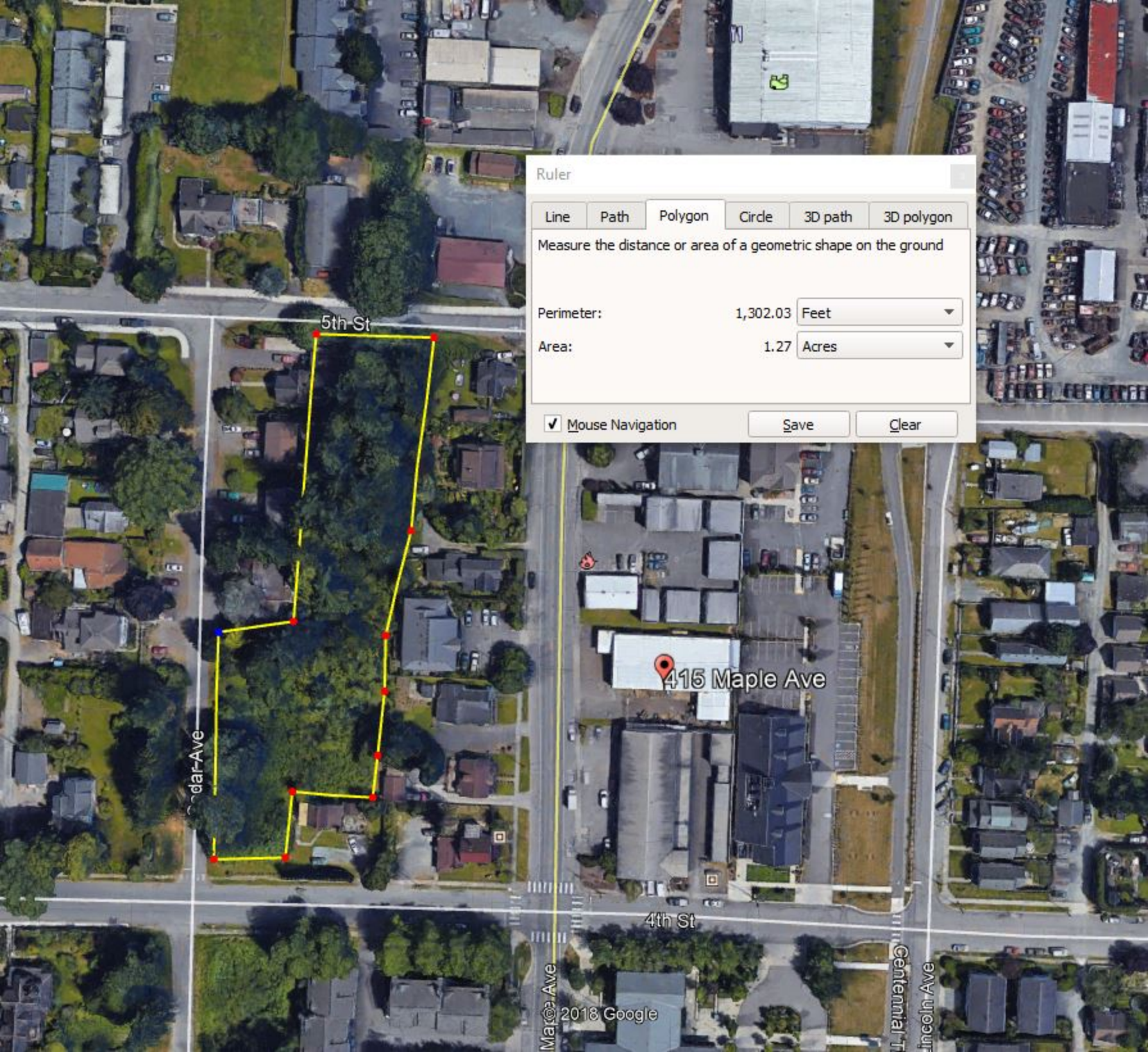
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Measure the distance or area of a geometric shape on the ground
Perimeter:
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Acres
Mouse Navigation
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5th St
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4th St
2018 Google

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

December 17, 2018

Audrey Heisey
The Riley Group, Inc.
17522 Bothell Way NE, Suite A
Bothell, WA 98011

Re: Analytical Data for Project 2018-240
Laboratory Reference No. 1811-228B

Dear Audrey:

Enclosed are the analytical results and associated quality control data for samples submitted on November 28, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: December 17, 2018
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228B
Project: 2018-240

Case Narrative

Samples were collected on November 28, 2018 and received by the laboratory on November 28, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

PCBs EPA 8082A Analysis

The Sample SA-9 was used as the MS/MSD pair. The surrogate recoveries for this sample and its corresponding MS/MSD were below the quality control limits of 39-130%. Likewise, the percent recoveries of Aroclor 1260 for the MS/MSD pair were below quality control limits of 45-118%. Due to the fact all three runs of the same sample had similar results, it is attributed to matrix effects. All other QC in this sample batch was within quality control limits. No further action was performed.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: December 17, 2018
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228B
Project: 2018-240

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SA-8**					
Laboratory ID:	11-228-08					
Naphthalene	**0.16**	0.0091	EPA 8270D/SIM	12-11-18	12-11-18	
2-Methylnaphthalene	**0.16**	0.0091	EPA 8270D/SIM	12-11-18	12-11-18	
1-Methylnaphthalene	**0.18**	0.0091	EPA 8270D/SIM	12-11-18	12-11-18	
Benzo[a]anthracene	**0.23**	0.0091	EPA 8270D/SIM	12-11-18	12-11-18	
Chrysene	**0.32**	0.0091	EPA 8270D/SIM	12-11-18	12-11-18	
Benzo[b]fluoranthene	**0.32**	0.0091	EPA 8270D/SIM	12-11-18	12-11-18	
Benzo(j,k)fluoranthene	**0.099**	0.0091	EPA 8270D/SIM	12-11-18	12-11-18	
Benzo[a]pyrene	**0.23**	0.0091	EPA 8270D/SIM	12-11-18	12-11-18	
Indeno(1,2,3-c,d)pyrene	**0.17**	0.0091	EPA 8270D/SIM	12-11-18	12-11-18	
Dibenz[a,h]anthracene	**0.025**	0.0091	EPA 8270D/SIM	12-11-18	12-11-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*61*	*40 - 117*				
Pyrene-d10	*84*	*38 - 119*				
Terphenyl-d14	*72*	*47 - 135*				

Date of Report: December 17, 2018
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228B
Project: 2018-240

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1211S1					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	12-11-18	12-11-18	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	12-11-18	12-11-18	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	12-11-18	12-11-18	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	12-11-18	12-11-18	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	12-11-18	12-11-18	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	12-11-18	12-11-18	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	12-11-18	12-11-18	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	12-11-18	12-11-18	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	12-11-18	12-11-18	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	12-11-18	12-11-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*79*	*40 - 117*				
Pyrene-d10	*86*	*38 - 119*				
Terphenyl-d14	*82*	*47 - 135*				

Date of Report: December 17, 2018
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228B
Project: 2018-240

PAHs EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1211S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0675**	**0.0650**	0.0833	0.0833	81	78	54 - 114	4	15	
Benzo[a]anthracene	**0.0763**	**0.0709**	0.0833	0.0833	92	85	64 - 132	7	15	
Chrysene	**0.0692**	**0.0692**	0.0833	0.0833	83	83	64 - 127	0	15	
Benzo[b]fluoranthene	**0.0749**	**0.0770**	0.0833	0.0833	90	92	57 - 128	3	15	
Benzo(j,k)fluoranthene	**0.0775**	**0.0694**	0.0833	0.0833	93	83	62 - 130	11	15	
Benzo[a]pyrene	**0.0751**	**0.0719**	0.0833	0.0833	90	86	62 - 125	4	15	
Indeno(1,2,3-c,d)pyrene	**0.0761**	**0.0726**	0.0833	0.0833	91	87	55 - 130	5	15	
Dibenz[a,h]anthracene	**0.0784**	**0.0763**	0.0833	0.0833	94	92	58 - 129	3	15	
Surrogate:										
2-Fluorobiphenyl					*82*	*81*	*40 - 117*			
Pyrene-d10					*94*	*90*	*38 - 119*			
Terphenyl-d14					*87*	*81*	*47 - 135*			

Date of Report: December 17, 2018
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228B
Project: 2018-240

PCBs EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SA-2**					
Laboratory ID:	11-228-02					
Aroclor 1016	**ND**	0.069	EPA 8082A	12-11-18	12-13-18	
Aroclor 1221	**ND**	0.069	EPA 8082A	12-11-18	12-13-18	
Aroclor 1232	**ND**	0.069	EPA 8082A	12-11-18	12-13-18	
Aroclor 1242	**ND**	0.069	EPA 8082A	12-11-18	12-13-18	
Aroclor 1248	**ND**	0.069	EPA 8082A	12-11-18	12-13-18	
Aroclor 1254	**ND**	0.069	EPA 8082A	12-11-18	12-13-18	
Aroclor 1260	**ND**	0.069	EPA 8082A	12-11-18	12-13-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*67*	*39-130*				
Client ID:	**SA-8**					
Laboratory ID:	11-228-08					
Aroclor 1016	**ND**	0.069	EPA 8082A	12-11-18	12-13-18	
Aroclor 1221	**ND**	0.069	EPA 8082A	12-11-18	12-13-18	
Aroclor 1232	**ND**	0.069	EPA 8082A	12-11-18	12-13-18	
Aroclor 1242	**ND**	0.069	EPA 8082A	12-11-18	12-13-18	
Aroclor 1248	**ND**	0.069	EPA 8082A	12-11-18	12-13-18	
Aroclor 1254	**ND**	0.069	EPA 8082A	12-11-18	12-13-18	
Aroclor 1260	**ND**	0.069	EPA 8082A	12-11-18	12-13-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*60*	*39-130*				
Client ID:	**SA-9**					
Laboratory ID:	11-228-09					
Aroclor 1016	**ND**	0.052	EPA 8082A	12-11-18	12-13-18	
Aroclor 1221	**ND**	0.052	EPA 8082A	12-11-18	12-13-18	
Aroclor 1232	**ND**	0.052	EPA 8082A	12-11-18	12-13-18	
Aroclor 1242	**0.070**	0.052	EPA 8082A	12-11-18	12-13-18	
Aroclor 1248	**ND**	0.052	EPA 8082A	12-11-18	12-13-18	
Aroclor 1254	**0.13**	0.052	EPA 8082A	12-11-18	12-13-18	
Aroclor 1260	**0.086**	0.052	EPA 8082A	12-11-18	12-13-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*14*	*39-130*				Q

Date of Report: December 17, 2018
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228B
Project: 2018-240

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1211S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	12-11-18	12-12-18	
Aroclor 1221	**ND**	0.050	EPA 8082A	12-11-18	12-12-18	
Aroclor 1232	**ND**	0.050	EPA 8082A	12-11-18	12-12-18	
Aroclor 1242	**ND**	0.050	EPA 8082A	12-11-18	12-12-18	
Aroclor 1248	**ND**	0.050	EPA 8082A	12-11-18	12-12-18	
Aroclor 1254	**ND**	0.050	EPA 8082A	12-11-18	12-12-18	
Aroclor 1260	**ND**	0.050	EPA 8082A	12-11-18	12-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*89*	*39-130*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	11-228-09										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.208**	**0.227**	0.500	0.500	0.0830	**25**	**29**	45-118	9	15	I,I
Surrogate:											
DCB						*14*	*25*	*39-130*			Q

Date of Report: December 17, 2018
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228B
Project: 2018-240

TOTAL METALS
EPA 6010D/7471B

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SA-2**					
Laboratory ID:	11-228-02					
Arsenic	**17**	14	EPA 6010D	12-11-18	12-11-18	
Cadmium	**1.6**	0.69	EPA 6010D	12-11-18	12-11-18	
Chromium	**89**	0.69	EPA 6010D	12-11-18	12-11-18	
Lead	**2600**	6.9	EPA 6010D	12-11-18	12-11-18	
Mercury	**ND**	0.35	EPA 7471B	12-14-18	12-14-18	
Client ID:	**SA-8**					
Laboratory ID:	11-228-08					
Arsenic	**15**	14	EPA 6010D	12-11-18	12-11-18	
Cadmium	**4.1**	0.69	EPA 6010D	12-11-18	12-11-18	
Chromium	**57**	0.69	EPA 6010D	12-11-18	12-11-18	
Lead	**960**	6.9	EPA 6010D	12-11-18	12-11-18	
Mercury	**1.0**	0.34	EPA 7471B	12-14-18	12-14-18	
Client ID:	**SA-9**					
Laboratory ID:	11-228-09					
Arsenic	**ND**	10	EPA 6010D	12-11-18	12-11-18	
Cadmium	**57**	0.52	EPA 6010D	12-11-18	12-11-18	
Chromium	**180**	0.52	EPA 6010D	12-11-18	12-11-18	
Lead	**370**	5.2	EPA 6010D	12-11-18	12-11-18	
Mercury	**0.37**	0.26	EPA 7471B	12-14-18	12-14-18	

Date of Report: December 17, 2018
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228B
Project: 2018-240

TOTAL METALS
EPA 6010D/7471B
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1211SM1					
Arsenic	**ND**	10	EPA 6010D	12-11-18	12-11-18	
Cadmium	**ND**	0.50	EPA 6010D	12-11-18	12-11-18	
Chromium	**ND**	0.50	EPA 6010D	12-11-18	12-11-18	
Lead	**ND**	5.0	EPA 6010D	12-11-18	12-11-18	
Laboratory ID:	MB1214S1					
Mercury	**ND**	0.25	EPA 7471B	12-14-18	12-14-18	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	12-067-01										
	ORIG	DUP									
Arsenic	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Cadmium	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Chromium	**35.0**	**33.1**	NA	NA		NA		NA	6	20	
Lead	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Laboratory ID:	12-061-48										
Mercury	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	12-067-01										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	**97.8**	**93.7**	100	100	ND	**98**	**94**	75-125	4	20	
Cadmium	**48.8**	**48.9**	50.0	50.0	ND	**98**	**98**	75-125	0	20	
Chromium	**126**	**130**	100	100	35.0	**91**	**95**	75-125	3	20	
Lead	**225**	**224**	250	250	ND	**90**	**90**	75-125	1	20	
Laboratory ID:	12-061-48										
Mercury	**0.507**	**0.520**	0.500	0.500	0.00780	**100**	**102**	80-120	3	20	

Date of Report: December 17, 2018
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228B
Project: 2018-240

N-HEXANE
EPA 8021B

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SA-8**					
Laboratory ID:	11-228-08					
Hexane	**ND**	0.079	VPH	12-10-18	12-10-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*75*	*57-129*				

Date of Report: December 17, 2018
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228B
Project: 2018-240

N-HEXANE
EPA 8021B
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1210S1					
Hexane	**ND**	0.050	VPH	12-10-18	12-10-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*57-129*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-228-08										
	ORIG	DUP									
Hexane	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*75*	*76*	*57-129*			

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

December 12, 2018

Mr. David Baumeister
OnSite Environmental, Inc.
14648 NE 95th Street
Redmond, WA 98052

Dear Mr. Baumeister,

On December 7th, 1 sample was received by our laboratory and assigned our laboratory project number EV18120029. The project was identified as your Lab Ref 11-228 / Project 2018-240. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	OnSite Environmental, Inc. 14648 NE 95th Street Redmond, WA 98052	DATE:	12/12/2018
		ALS JOB#:	EV18120029
		ALS SAMPLE#:	EV18120029-01
CLIENT CONTACT:	David Baumeister	DATE RECEIVED:	12/07/2018
CLIENT PROJECT:	Lab Ref 11-228 / Project 2018-240	COLLECTION DATE:	11/28/2018 8:00:00 AM
CLIENT SAMPLE ID	SA-8	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
>C8-C10 Aliphatics	NWEPH	U	5.2	1	MG/KG	12/11/2018	EBS
>C10-C12 Aliphatics	NWEPH	U	5.2	1	MG/KG	12/11/2018	EBS
>C12-C16 Aliphatics	NWEPH	U	5.2	1	MG/KG	12/11/2018	EBS
>C16-C21 Aliphatics	NWEPH	**41**	5.2	1	MG/KG	12/11/2018	EBS
>C21-C34 Aliphatics	NWEPH	**770**	5.2	1	MG/KG	12/11/2018	EBS
>C8-C10 Aromatics	NWEPH	U	5.2	1	MG/KG	12/11/2018	EBS
>C10-C12 Aromatics	NWEPH	U	5.2	1	MG/KG	12/11/2018	EBS
>C12-C16 Aromatics	NWEPH	U	5.2	1	MG/KG	12/11/2018	EBS
>C16-C21 Aromatics	NWEPH	**20**	5.2	1	MG/KG	12/11/2018	EBS
>C21-C34 Aromatics	NWEPH	**170**	5.2	1	MG/KG	12/11/2018	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWEPH	**108**	12/11/2018	EBS
p-Terphenyl	NWEPH	**98.0**	12/11/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	OnSite Environmental, Inc. 14648 NE 95th Street Redmond, WA 98052	DATE:	12/12/2018
		ALS SDG#:	EV18120029
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	David Baumeister		
CLIENT PROJECT:	Lab Ref 11-228 / Project 2018-240		

LABORATORY BLANK RESULTS

MBLK-R329077 - Batch R329077 - Soil by NWEPH

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
>C8-C10 Aliphatics	NWEPH	U	MG/KG	5.2	12/11/2018	EBS
>C10-C12 Aliphatics	NWEPH	U	MG/KG	5.2	12/11/2018	EBS
>C12-C16 Aliphatics	NWEPH	U	MG/KG	5.2	12/11/2018	EBS
>C16-C21 Aliphatics	NWEPH	U	MG/KG	5.2	12/11/2018	EBS
>C21-C34 Aliphatics	NWEPH	U	MG/KG	5.2	12/11/2018	EBS
>C8-C10 Aromatics	NWEPH	U	MG/KG	5.2	12/11/2018	EBS
>C10-C12 Aromatics	NWEPH	U	MG/KG	5.2	12/11/2018	EBS
>C12-C16 Aromatics	NWEPH	U	MG/KG	5.2	12/11/2018	EBS
>C16-C21 Aromatics	NWEPH	U	MG/KG	5.2	12/11/2018	EBS
>C21-C34 Aromatics	NWEPH	U	MG/KG	5.2	12/11/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT: OnSite Environmental, Inc.
14648 NE 95th Street
Redmond, WA 98052

DATE: 12/12/2018
ALS SDG#: EV18120029
WDOE ACCREDITATION: C601

CLIENT CONTACT: David Baumeister
CLIENT PROJECT: Lab Ref 11-228 / Project 2018-240

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: R329077 - Soil by NWEPH

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
>C8-C10 Aliphatics - BS	NWEPH	**83.9**			70	130	12/11/2018	EBS
>C8-C10 Aliphatics - BSD	NWEPH	**88.2**	**5**		70	130	12/11/2018	EBS
>C10-C12 Aliphatics - BS	NWEPH	**91.1**			70	130	12/11/2018	EBS
>C10-C12 Aliphatics - BSD	NWEPH	**94.9**	**4**		70	130	12/11/2018	EBS
>C12-C16 Aliphatics - BS	NWEPH	**101**			70	130	12/11/2018	EBS
>C12-C16 Aliphatics - BSD	NWEPH	**103**	**2**		70	130	12/11/2018	EBS
>C16-C21 Aliphatics - BS	NWEPH	**102**			70	130	12/11/2018	EBS
>C16-C21 Aliphatics - BSD	NWEPH	**105**	**2**		70	130	12/11/2018	EBS
>C21-C34 Aliphatics - BS	NWEPH	**87.8**			70	130	12/11/2018	EBS
>C21-C34 Aliphatics - BSD	NWEPH	**88.9**	**1**		70	130	12/11/2018	EBS
>C8-C10 Aromatics - BS	NWEPH	**87.1**			70	130	12/11/2018	EBS
>C8-C10 Aromatics - BSD	NWEPH	**86.5**	**1**		70	130	12/11/2018	EBS
>C10-C12 Aromatics - BS	NWEPH	**88.3**			70	130	12/11/2018	EBS
>C10-C12 Aromatics - BSD	NWEPH	**95.3**	**8**		70	130	12/11/2018	EBS
>C12-C16 Aromatics - BS	NWEPH	**102**			70	130	12/11/2018	EBS
>C12-C16 Aromatics - BSD	NWEPH	**100**	**1**		70	130	12/11/2018	EBS
>C16-C21 Aromatics - BS	NWEPH	**105**			70	130	12/11/2018	EBS
>C16-C21 Aromatics - BSD	NWEPH	**103**	**2**		70	130	12/11/2018	EBS
>C21-C34 Aromatics - BS	NWEPH	**82.4**			70	130	12/11/2018	EBS
>C21-C34 Aromatics - BSD	NWEPH	**86.7**	**5**		70	130	12/11/2018	EBS

APPROVED BY

Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

EV1812OO29

OnSite Environmental Inc.

14648 NE 95th Street, Redmond, WA 98052 · (425) 883-3881

Laboratory Reference #: 11-228

Laboratory: ALS Environmental

Attention: Rick Bagan

8620 Holly Drive Everett, WA 98208

Phone Number: (425) 356-2600

Turnaround Request

1 Day 2 Day 3 Day

Standard (circled)

Other:

Project Manager: David Baumeister

email: dbaumeister@onsite-env.com

Project Number: 2018-240

Project Name:

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	Requested Analyses
1	SA-8	11/28/18		S	1	EPH

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished by:	[signature]	OSE	12/7/18	1210	
Received by:	[signature] Isaacson	APHA	12/7/18	1210	
Relinquished by:	[signature] Isaacson	APHA	12/7/18	13:40	
Received by:	Shawn Robinson	ALS	12/7/18	1:40pm	
Relinquished by:					
Received by:					

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: RGI
Project Number: 2018-240
Project Name: Sea-Alaska Industrial Electric
Project Manager: Audrey Heisey
Sampled by: Steve Rhat. Ruhland

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 11-228

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level) cPAHs + Naphthalene	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	EPH	n-Hexane			% Moisture
1	SA-1	11/28		Soil	3/4				X																		X
2	SA-2														X					X							
3	SA-3														X					X							
4	SA-4																										
5	SA-5																										
6	SA-6																										
7	SA-7																										
8	SA-8												X		X					X			X	X			
9	SA-9												D3 X		X					X			X	X			

D3 = DB

	Signature	Company	Date	Time
Relinquished		The Riley Group	11/28/18	2:55 pm
Received		OSE	11/26/18	1455
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
HOLD VOAs in storage, will call w/ additional analysis once preliminary Dx results are received.
(X) Added 12/7/18. D3 (STA)

Data Package: Standard ☒ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

December 6, 2018

Audrey Heisey
The Riley Group, Inc.
17522 Bothell Way NE, Suite A
Bothell, WA 98011

Re: Analytical Data for Project 2018-240
Laboratory Reference No. 1811-228

Dear Audrey:

Enclosed are the analytical results and associated quality control data for samples submitted on November 28, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: December 6, 2018
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228
Project: 2018-240

Case Narrative

Samples were collected on November 28, 2018 and received by the laboratory on November 28, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: December 6, 2018
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228
Project: 2018-240

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SA-1**					
Laboratory ID:	11-228-01					
Diesel Range Organics	**63**	33	NWTPH-Dx	12-3-18	12-3-18	N
Lube Oil Range Organics	**230**	67	NWTPH-Dx	12-3-18	12-3-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*103*	*50-150*				
Client ID:	**SA-2**					
Laboratory ID:	11-228-02					
Diesel Range Organics	**160**	35	NWTPH-Dx	12-3-18	12-3-18	N
Lube Oil Range Organics	**1000**	69	NWTPH-Dx	12-3-18	12-3-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*99*	*50-150*				
Client ID:	**SA-3**					
Laboratory ID:	11-228-03					
Diesel Range Organics	**ND**	32	NWTPH-Dx	12-3-18	12-3-18	
Lube Oil Range Organics	**230**	63	NWTPH-Dx	12-3-18	12-3-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*99*	*50-150*				
Client ID:	**SA-4**					
Laboratory ID:	11-228-04					
Diesel Range Organics	**ND**	33	NWTPH-Dx	12-3-18	12-3-18	U1
Lube Oil Range Organics	**150**	65	NWTPH-Dx	12-3-18	12-3-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*103*	*50-150*				
Client ID:	**SA-5**					
Laboratory ID:	11-228-05					
Diesel Range Organics	**ND**	34	NWTPH-Dx	12-3-18	12-3-18	
Lube Oil Range Organics	**ND**	67	NWTPH-Dx	12-3-18	12-3-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*99*	*50-150*				
Client ID:	**SA-6**					
Laboratory ID:	11-228-06					
Diesel Range Organics	**36**	34	NWTPH-Dx	12-3-18	12-3-18	N
Lube Oil Range Organics	**200**	67	NWTPH-Dx	12-3-18	12-3-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*102*	*50-150*				

Date of Report: December 6, 2018
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228
Project: 2018-240

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SA-7**					
Laboratory ID:	11-228-07					
Diesel Range Organics	**ND**	33	NWTPH-Dx	12-3-18	12-3-18	
Lube Oil Range Organics	**ND**	67	NWTPH-Dx	12-3-18	12-3-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*82*	*50-150*				
Client ID:	**SA-8**					
Laboratory ID:	11-228-08					
Diesel Range Organics	**ND**	480	NWTPH-Dx	12-3-18	12-4-18	U1
Lube Oil	**3800**	690	NWTPH-Dx	12-3-18	12-4-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	---	*50-150*				S
Client ID:	**SA-9**					
Laboratory ID:	11-228-09					
Diesel Range Organics	**ND**	5800	NWTPH-Dx	12-3-18	12-5-18	U1
Lube Oil	**66000**	5200	NWTPH-Dx	12-3-18	12-5-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	---	*50-150*				S

Date of Report: December 6, 2018
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228
Project: 2018-240

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1203S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	12-3-18	12-3-18	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	12-3-18	12-3-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*92*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	11-223-01									
	ORIG	DUP								
Diesel Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Lube Oil	**130**	**98.5**	NA	NA		NA	NA	28	NA	
Surrogate:										
o-Terphenyl						*93* *87*	*50-150*			

Date of Report: December 6, 2018
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228
Project: 2018-240

% MOISTURE

Date Analyzed: 12-3-18

Client ID	Lab ID	% Moisture
SA-1	11-228-01	25
SA-2	11-228-02	28
SA-3	11-228-03	21
SA-4	11-228-04	23
SA-5	11-228-05	26
SA-6	11-228-06	26
SA-7	11-228-07	25
SA-8	11-228-08	27
SA-9	11-228-09	4

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 11-228

Company: RGI
Project Number: 2018-240
Project Name: Sea-Alaska Industrial Electric
Project Manager: Audrey Heisey
Sampled by: Steve Ruhland

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	SA-1	11/28		Soil	3/4				X														X
2	SA-2																						
3	SA-3																						
4	SA-4																						
5	SA-5																						
6	SA-6																						
7	SA-7																						
8	SA-8																						
9	SA-9																						

	Signature	Company	Date	Time
Relinquished		The Riley Group	11/28/18	2:55 pm
Received		OSE	11/26/18	1455
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
HOLD VOAs in storage, will call w/ additional analysis once preliminary Dx results are received.

Data Package: Standard ☒ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

January 7, 2019

Audrey Heisey
The Riley Group, Inc.
17522 Bothell Way NE, Suite A
Bothell, WA 98011

Re: Analytical Data for Project 2018-240
Laboratory Reference No. 1811-228C

Dear Audrey:

Enclosed are the analytical results and associated quality control data for samples submitted on November 28, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: January 7, 2019
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228C
Project: 2018-240

Case Narrative

Samples were collected on November 28, 2018 and received by the laboratory on November 28, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Total Metals EPA 6010D/7471B Analysis

Due to a limited amount of sample, less than the required 100g was tumbled for TCLP analysis. The amount of sample used was: (40 g).

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: January 7, 2019
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228C
Project: 2018-240

TCLP METALS
EPA 1311/6010D

Matrix: TCLP Extract
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SA-9**					
Laboratory ID:	11-228-09					
Cadmium	**0.57**	0.020	EPA 6010D	11-4-19	11-4-19	
Chromium	**0.023**	0.020	EPA 6010D	11-4-19	11-4-19	
Lead	**ND**	0.20	EPA 6010D	11-4-19	11-4-19	

Date of Report: January 7, 2019
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228C
Project: 2018-240

TCLP METALS
EPA 1311/6010D
QUALITY CONTROL

Matrix: TCLP Extract
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0104TM1					
Cadmium	**ND**	0.020	EPA 6010D	11-4-19	11-4-19	
Chromium	**ND**	0.020	EPA 6010D	11-4-19	11-4-19	
Lead	**ND**	0.20	EPA 6010D	11-4-19	11-4-19	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-228-09										
	ORIG	DUP									
Cadmium	**0.570**	**0.546**	NA	NA		NA		NA	4	20	
Chromium	**0.0230**	**ND**	NA	NA		NA		NA	NA	20	
Lead	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	11-228-09										
	MS	MSD	MS	MSD		MS	MSD				
Cadmium	**2.42**	**2.43**	2.00	2.00	0.570	**92**	**93**	75-125	0	20	
Chromium	**3.87**	**3.88**	4.00	4.00	0.0230	**96**	**97**	75-125	0	20	
Lead	**9.53**	**9.61**	10.0	10.0	ND	**95**	**96**	75-125	1	20	

Date of Report: January 7, 2019
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228C
Project: 2018-240

TOTAL METALS
EPA 6010D

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SA-3**					
Laboratory ID:	11-228-03					
Cadmium	**ND**	0.63	EPA 6010D	12-28-18	12-28-18	
Chromium	**54**	0.63	EPA 6010D	12-28-18	12-28-18	
Lead	**260**	6.3	EPA 6010D	12-28-18	12-28-18	
Client ID:	**SA-4**					
Laboratory ID:	11-228-04					
Cadmium	**ND**	0.65	EPA 6010D	12-28-18	12-28-18	
Chromium	**52**	0.65	EPA 6010D	12-28-18	12-28-18	
Lead	**85**	6.5	EPA 6010D	12-28-18	12-28-18	
Client ID:	**SA-6**					
Laboratory ID:	11-228-06					
Cadmium	**ND**	0.67	EPA 6010D	12-28-18	12-28-18	
Chromium	**55**	0.67	EPA 6010D	12-28-18	12-28-18	
Lead	**360**	6.7	EPA 6010D	12-28-18	12-28-18	

Date of Report: January 7, 2019
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228C
Project: 2018-240

TOTAL METALS
EPA 6010D
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1228SM1					
Cadmium	**ND**	0.50	EPA 6010D	12-28-18	12-28-18	
Chromium	**ND**	0.50	EPA 6010D	12-28-18	12-28-18	
Lead	**ND**	5.0	EPA 6010D	12-28-18	12-28-18	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-228-03										
	ORIG	DUP									
Cadmium	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Chromium	**42.7**	**41.6**	NA	NA		NA		NA	2	20	
Lead	**208**	**176**	NA	NA		NA		NA	16	20	
MATRIX SPIKES											
Laboratory ID:	11-228-03										
	MS	MSD	MS	MSD		MS	MSD				
Cadmium	**46.0**	**47.1**	50.0	50.0	ND	**92**	**94**	75-125	2	20	
Chromium	**138**	**144**	100	100	42.7	**95**	**101**	75-125	4	20	
Lead	**421**	**421**	250	250	208	**85**	**85**	75-125	0	20	

Date of Report: January 7, 2019
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228C
Project: 2018-240

SOLUBLE HEXAVALENT CHROMIUM
WATER EXTRACTION
EPA 7196A

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SA-9**					
Laboratory ID:	11-228-09					
Hexavalent Chromium	**ND**	1.0	EPA 7196A mod.	12-28-18	12-28-18	

Date of Report: January 7, 2019
Samples Submitted: November 28, 2018
Laboratory Reference: 1811-228C
Project: 2018-240

SOLUBLE HEXAVALENT CHROMIUM
WATER EXTRACTION
EPA 7196A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1228S2					
Hexavalent Chromium	**ND**	1.0	EPA 7196A mod.	12-28-18	12-28-18	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-228-09										
	ORIG	DUP									
Hexavalent Chromium	**ND**	**ND**	NA		NA	NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	11-228-09										
	MS	MSD	MS	MSD		MS	MSD				
Hexavalent Chromium	**3.83**	**3.93**	5.00	5.00	ND	77	79	75-125	3	20	
SPIKE BLANK											
Laboratory ID:	SB1228S2										
	SB		SB			SB					
Hexavalent Chromium	**5.03**		5.00		NA	101		75-125	NA	NA	

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: RGI
Project Number: 2018-240
Project Name: Sea-Alaska Industrial Electric
Project Manager: Audrey Heisey
Sampled by: Steve Khat. Ruhland

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 11-228

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level) cPAHs + Naphthalene	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals Pb, Cr, Cd	HEM (oil and grease) 1664A	EPH	n-Hexane	Total Pb, Cd, Cr	Hex Cr	% Moisture
1	SA-1	11/28		Soil	3/4				X																		X
2	SA-2														X					X							
3	SA-3													X	X	D3				X	D3				0		
4	SA-4																								0		
5	SA-5																										
6	SA-6																								0		
7	SA-7																										
8	SA-8													X	X					X			X	X			
9	SA-9												D3 X		X					X	O		X X	D3	O		

	Signature	Company	Date	Time
Relinquished		The Riley Group	11/28/18	2:55 pm
Received		OSE	11/26/18	1455
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
HOLD VOAs in storage, will call w/ additional analysis once preliminary Dx results are received.
X Added 12/7/18. D3 (STA)
O Added 12/27/18 BG STA

Data Package: Standard ☒ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒

COPY

WASHINGTON STATE DEPARTMENT OF ECOLOGY

RECEIVED
DEC 27 2006
DEPT OF ECOLOGY

INITIAL INVESTIGATION FIELD REPORT

ERTS Number
557432

SITE NAME
Sea-Alaska Industrial Electrical

SITE LOCATION INFORMATION

Contact Person Name Mike Palmer and Steve Klett		Title Owners	Phone No. 360 568 7624
Mailing Address 415 Maple Ave		City Snohomish	Zip + 4 98290
Site Location 415 Maple Ave		Closest City Snohomish	County Snohomish
Quarter-Quarter	Section 18	Township 28	Range 06
Longitude:	Degree 47	Minute 52	Second 582
Latitude:	Degree 121	Minute 59	Second 282

INSPECTION INFORMATION

Inspection Date 9/06/2006	Inspection Time na	Type of Entry Notice none
Photographs	Yes ☐ No ☒	Weather: Clear ☒ Partly Cloudy ☐ Overcast ☐
Videotape	Yes ☐ No ☒	Precipitation na Temperature 65
Samples	Yes ☒ No ☐	Wind Direction na Wind Speed na

RECOMMENDATION

No Further Action:

Release or threatened release does not pose a threat	☐	Site Hazard Assessment	☒
No release or threatened release	☐	Interim Action	☐
Educational Mailing	☐	Emergency Action Plan	☐
Refer to another program/agency	☐	Independent Cleanup Action	☐
		In Progress	☐
		Completed	☐

Name: Geoffrey Crofoot

Comments:
Observed contaminated soils on the east and west sides of a concrete pad used for pressure washing electrical parts and components. Observed oil like contamination. Observed impacted plants.

DEPARTMENT REVIEW

Investigator: _____ Date: _____

Approved by:

Unit Supervisor: _____ Date: _____

Section Manager: _____ Date: _____

OBSERVATIONS

Description of observations: Observed contaminated soils on the east and west sides of a concrete pad used for pressure washing electrical parts and components. Observed oil like contamination. Observed impacted plants. Collected samples from the impacted areas. Analyzed for Pb, Cr, Cd, VOCs PCBs and NWTPH Dx. Observed MTCA exceedances on most parameters with very significant Cr exceedances. See attached sampling data.

Description of past practices likely to be responsible for contamination: The observed contaminated area has been used to wash off parts. While the site has prior history of automotive used it is likely that parts washing in the area has at the very least, contributed to the observed contamination.

Activities or practices responsible for contamination:

Spill	☐	LUST	☐
Pesticide disposal	☐	Tank	☐
Landfill	☐	Improper handling	☐
Drums	☐	Improper disposal	☒

Other – Describe:

Are discharges permitted: No ☒ Yes ☐

If yes, describe:

Standard Industrial Code(s)

CONTAMINANT(S)

AFFECTED MEDIA	**CONTAMINANTS** (#1-19: See contaminants key) Enter letter designating status of contaminant: AFF **C** = Confirmed, **S** = Suspected, **P** = Potential, **U** = Unknown																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Ground Water																			
Surface Water																			
Drinking Water																			
Soil			C		C		C												
Sediment																			
Air																			

1	Base/neutral organics	8	Phenolic compounds	15	Conventional contaminants, organic
2	Halogenated organic compounds	9	Non-halogenated solvents	16	Conventional contaminants, inorganic
3	Metals – Priority pollutants	10	Dioxin	17	Asbestos
4	Metals – Other	11	Polynuclear aromatic hydrocarbons	18	Arsenic
5	Polychlorinated biPhenyls (PCBs)	12	Reactive wastes	19	MTBE
6	Pesticides	13	Corrosive wastes		
7	Petroleum products	14	Radioactive wastes		

SITE INFORMATION

Soil Type	Slope
Tokul gravelly loam	0-2%

Site vegetation/cover present:

Forest	☐	Pasture/open field	☐
Bare soil	☒	Wetlands	☐
Brush	☐	Pavement	☒
Landscaped	☐	Surface Water	☐

Other – Describe

Are there any drinking water systems affected? YES: ☐ Municipal ☐ Private ☐ Both ☒ NO

How many people are estimated to be affected? na

Is there a potential for a release or threatened release to affect a drinking water source? ☐ Yes ☒ No

Are there monitoring wells in the vicinity? ☐ Yes ☒ No

Are there dry wells in the vicinity? ☐ Yes ☒ No

CONTAMINANT PATHWAYS AND TARGETS

	Ingestion	Inhalation	Contact
Ground Water			
Surface Water			
Drinking Water			
Soil	x		x
Sediment			
Air			

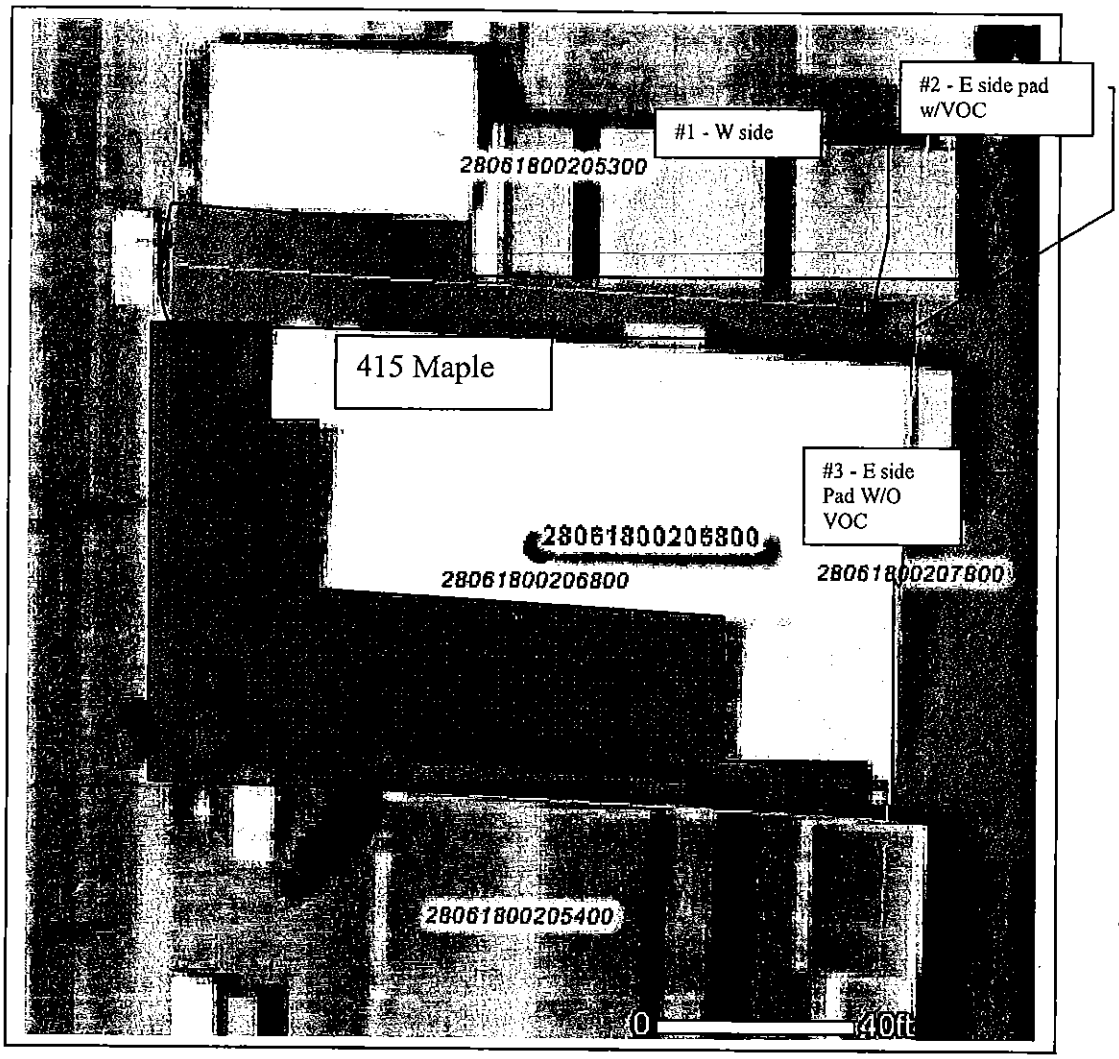
Targets Possible:		Residential	☐
Human, adult	☒	Industrial	☒
Human, children	☐	Commercial	☐

Sensitive environments (See WARM Scoring Manual for definition): ☒ Yes ☐ No

If yes, describe: Pilchuck River at 1140 feet to the east. Snohomish River at 2375 feet to the southwest.

General Comments: It is unclear what the extent of contamination at this is. Observable soil contamination appears to be limited. The SHD has advised the property owners to enter the VCP and retain professional environmental assistance in this matter. The SHD recommends listing list site on the confirmed suspected contaminated sites list for a future potential SHA due to the observed MTCA exceedances.

ERTS - 557432



Legend

- Building
- Pad
- Paved Area
- Un-paved Area
- Sampling Area

Sampling conducted on September 26, 2006, as a part of an II. The sample area is on the NE side of the building. This is an partially covered area with exposed soil. Waste water runs off of the small pad on which pressure washing of electrical equipment takes place. Samples were collected on the West and East side of the pad. Analysis include, Pb, Cr, Cd, NWTPH Dx, and PCB 8082 and VOCs 8260.

SNOHOMISH HEALTH DISTRICT
3020 Rucker, Suite 104
Everett, WA 98201
425.339.5250
FIELD INVESTIGATION REPORT

Date Rec'd	9/5/2006	CB1	
Rec'd By	DOE/sei	CB2	
Complaint #	060820	CB3	
Area	GWC		

5-day check

Address_of_Complaint	City of Complaint	ZIP
415 Maple Ave	Snohomish	98290

Person_Causing_Complaint	Cause_Phone
Sea-Alaska Industrial Electrical	360-568-7624

Nature_of_Complaint

Solid_Waste ☐ ChemPhys_Haz 1 Prom_Dump ☐ PD/TypWst

Vector ☐ HHW IIs SQG Drug Lab PD/Qty G BG DD E-W IW T TW R LC YW

Misc ☐

Cleaned up by: Dumper ☐ Owner ☐ Agency ☐

ERTS # 557432 See attached re electric motor service center dumping water liquids on the ground outside of the back concrete pad. Burning batteries?

owners + Mike Palmer N 47°52.582'
Steve Klett W 122.59.282'

99HH

Complainant	Complainant_Phone	Refer to #
Gail Colburn		

Complainant_Address

TCP NW RO DOE, 3190 160th Ave SE, Bellevue

Property Owner not on metro scan Phone

Mailing Address Tax Acct. #

City, State Zip

Retained yes

Thomas Guide Latitude Longitude

Sign-off Retained Location SHK/II

Status

-9/6/06. site visit noted soil contamination in an area used for steam/pressure washing electrical parts + engines. Area located on the NE side of building outside. Noted stained soil - Black w/ sheen. Noted paint chips in the area. Noted no odor. Noted impacted plant growth off of the pad. Noted drainage appears to flow S.
- spoke w/ owner. Steve Klett who explained the washing process. Told Klett that the SHD would be back to collect soil samples. He noted that would be OK. Told Klett to not proceed w/ cleanup until after sampling. OLC EAS

Abated/Completed [signature] 12/13/06

Name Date

3 photos taken @ the time of the site visit ... recorded Confirmed..

Initial Report

ERTS # 557432

External Reference #

Caller Information

	First	Middle	Last
* Name	GAIL		COLBURN
Business Name	TCP NWRO		
Address	3190 160TH AVE SE		
Other Address			
City, State, Zip	BELLEVUE	WA	98008-
E-mail			

Confidential ☐

External Ref. #

Phone Ext Type

Where did it happen

Report #: 77525

Business or Location: SEA-ALASKA INDUSTRIAL ELECTRIC

Address 415 MAPLE AVE

Other Address

City, State, Zip SNOHOMISH WA 98290-2527

County, Region SNOHOMISH NWRO FS ID

WRIA #

Waterway Type

Latitude Longitude

Topo Quad 1:24,000 SNOHOMISH

Directions/Landmarks

(mile post, cross roads, township/range)

What Happened

Incident Date

* Received Date 8/10/2006 Time

Medium SOIL

Material UNKNOWN

Quantity Unit

Source COMMERCIAL

Cause DUMPING

Activity DISPOSING

Impact SOIL CONTAMINATION

Vessel Name Type

Primary Potentially Responsible Party

	First	Middle	Last
Name			
Business Name	SEA-ALASKA INDUSTRIAL ELECTRIC, INC.		
Address	415 MAPLE AVE		
Other Address			
City	SNOHOMISH		Zip 98290-
Phone	(360) 568-7624		
Ext		Type	
E-mail	sklett@msn.com		

Additional Contact Information

Name Phone Ext Type

More Info

ELECTRIC MOTOR SERVICE CENTER DUMPINT WASTE LIQUIDS TO THE GROUND OUTSIDE OF THE BACK CONCRETE PAD, ONTO SOIL, BY THE BACK EAST FENCE LINE. PHOTO TAKEN BY D. BRENTLINGER WHILE DOING INITIAL INVESTIGATION AT ADJACENT SITE, CIT OF SNOHOMISH / FORMER BNRR RAILYARD. LIQUID HAD AN OILY SHEEN. IT HAD NOT RAINED FOR 3 WEEKS AND EVERYTHING ELSE WAS DRY. ENCOUNTERED A NEIGHBOR WHO ALLEGED THAT THE FACILITY HAD BURNED BATTERIES OUT BACK IN THE PAST.

Entry Person: MUSA ERTS, DONNA Entry Date: 9/1/2006

*** The Initial report contains only information provided to Ecology from the complainant.

Initial Report

ERTS # 557432

External Reference #

Referred to:

Referral # 93218

Referral Method
- ( ) E-mail ERTS number
- ( ) E-mail attachment
- (•) Print
- ( ) Telephone

Person Referred to: MUSA TCP, DONNA — Primary [x]
Phone: (425) 649-7136 Fax: (425) 649-7098
E-mail: dmus461@ecy.wa.gov
Program/Organization: TOXICS CLEANUP
Address: 3190 160TH AVE SE
City: BELLEVUE WA 98008-
Region/Location: NWRO
Referral Date: 9/1/2006

Referral # 93219

Referral Method
- ( ) E-mail ERTS number
- (•) E-mail attachment
- ( ) Print
- ( ) Telephone

Person Referred to: SNOH HEALTH DIST - ALL ERTS EXCEPT DRUG LAB IS — Primary [ ]
Phone: (425) 339-5250 Fax: (425) 339-5254
E-mail: ghanada@shd.snohomish.wa.gov
Program/Organization: SNOHOMISH COUNTY
Address: 3020 Rucker Avenue
City: Everett WA 98201
Region/Location: ENVIRONMENTAL HEALTH
Referral Date: 9/1/2006

SNOHOMISH HEALTH DISTRICT
3020 Rucker, Suite 104
Everett, WA 98201
425.339.5250
FIELD INVESTIGATION REPORT

Date Rec'd	10/14/1999	CB1	
Rec'd By	DLC/sei	CB2	
Complaint #	991111	CB3	
Area	MLA		

5-day check ☐

Address_of_Complaint	City of Complaint	ZIP
415 Maple Ave, Snohomish		98290

Person_Causing_Complaint	Cause_Phone
Sea-Alaska Industrial Electrical	360-568-7624

Nature_of_Complaint

Solid_Waste ☐ Vector ☐ Misc ☐

ChemPhys_Haz [1] HHW ☐ IIs ☐ SQG ☐ Drug Lab ☐

Prom_Dump ☐ PD/Qty

PD/TypWst

G T ☐ BG TW ☐ DD R ☐ E-W LC ☐ IW YW ☐

Cleaned up by: Dumper ☐ Owner ☐ Agency ☐

Car repair/junk yard burns car parts, oil, etc (terrible odor). Please check on their handling practices. Also referred to Puget Sound Clean Air Agency.

Complainant	Complainant_Phone	Refer to #
Rebecca	360-563-0248	

COPY

Complainant_Address

Property Owner not on metro scan Phone

Mailing Address Tax Acct. #

City, State Zip

Retained

Thomas Guide Latitude Longitude Sign-off Retained Location

Status

10/15/99 415 Maple Ave not on metro scan, however 3 entries for 417 Maple Ave for SMOOTS, INC; 1828 062 053 00. sei
11/15/99 Talked w/ Steve Klett @ site. SO DO NOT SAVE MLA:sei

COPY

Abated/Completed 11/15/1999

Name Date

EDGE ANALYTICAL
"The lab you can trust!"

Burlington WA | 1620 S Walnut St - 98233
Corporate Office | 800.755.9295 • 360.757.1400 • 360.757.1402fax
Bellingham WA | 805 Orchard Dr Suite 4 - 98225
Microbiology | 360.671.0688 • 360.671.1577fax

November 22, 2006

Geoffrey Crofoot
Snohomish Health District - Toxics
3020 Rucker Ave Ste 104
Everett, WA 98201

RE: 06-12634 - SHD-SW&T - ERTS 557432

Dear Geoffrey Crofoot,

Your project: SHD-SW&T - ERTS 557432, was received on Wednesday September 27, 2006.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone me at 800 755-9295.

Respectfully Submitted,

for LJH

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report
QC Reports
Chain of Custody

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11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

Data Report

Client Name: Snohomish Health District - Toxics
3020 Rucker Ave Ste 104
Everett, WA 98201

Report Date: 10/11/2006
Reference Number: 06-12634
Project: SHD-SW&T - ERTS 557432

Collected By: SHD/GC

Date Received: 9/27/2006
Supervisor:

Lab Number: 26655 Sample Description: 1040028388-2 - E Side Pad Sample Date: 9/26/2006

CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
7440-43-9	CADMIUM	48.7	1.37		mg/Kg	1.0	6010B/3051	10/3/2006	BJ	6010B-061003A	
7440-47-3	CHROMIUM	310	13.7		mg/Kg	10.0	6010B/3051	10/3/2006	BJ	6010B-061003A	
7439-92-1	LEAD	363	13.7		mg/Kg	10.0	6010B/3051	10/3/2006	BJ	6010B-061003A	

Lab Number: 26656 Sample Description: 1040028388-3 - W Side Pad Sample Date: 9/26/2006

CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
7440-43-9	CADMIUM	35.5	1.28		mg/Kg	1.0	6010B/3051	10/3/2006	BJ	6010B-061003A	
7440-47-3	CHROMIUM	174	1.28		mg/Kg	1.0	6010B/3051	10/3/2006	BJ	6010B-061003A	
7439-92-1	LEAD	295	12.8		mg/Kg	10.0	6010B/3051	10/3/2006	BJ	6010B-061003A	

PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
ND = Not detected above the listed practical quantitation limit (PQL)
D.F. - Dilution Factor

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Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

WSDOE Lab C057

DATA REPORT

Client Name: Snohomish Health District - Toxics
3020 Rucker Ave Ste 104
Everett, WA 98201

Reference Number: 06-12634
Rep 10/5/2006
Project: SHD-SW&T - ERTS 557432

Method: NWTPH-Dx
SEMI-VOLATILE PETROLEUM PRODUCTS

Analyst: HY/MA
Collect Date: 9/26/2006

Matrix: Soil

Supervisor:

LAB NUMBER	FIELD ID	COMPOUNDS	RESULT	DF	Cleanup Level	PQL	MDL	UNITS	DATE ANALYZED	COMMENT
26655	1040028388-2 - E Side Pad	DIESEL (C12 - C24)	**ND**	1	2000	50	25	mg/Kg	9/28/2006	
		HEAVIER OILS (>C24)	**31400**	1	2000	50	40	mg/Kg		
		OTHER PETROLEUM RANGE	**ND**	1				mg/Kg		
26656	1040028388-3 - W Side Pad	DIESEL (C12 - C24)	**ND**	1	2000	50	25	mg/Kg	9/28/2006	
		HEAVIER OILS (>C24)	**25600**	1	2000	50	40	mg/Kg		
		OTHER PETROLEUM RANGE	**ND**	1				mg/Kg		

Notation:

ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
PQL = Practical Quantitation Limit is the lowest level that can be achelved within specified limits of precision and accuracy during routine laboratory operating conditions.
DF - Dilution Factor.

*** The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.**

FORM: HCID

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WSDOE Lab C057

DATA REPORT

Client Name: Snohomish Health District - Toxics
3020 Rucker Ave Ste 104
Everett, WA 98201

Reference Number: 06-12634
Project: SHD-SW&T - ERTS 557432

Lab Number: 26654
Field ID: 1040028388-1
Sample Description: E Side Pad VOC
Matrix: Soil
Collect Date: 9/26/2006
Extraction Date: 10/2/2006
Extraction Method: 5030B

Report Date: 10/25/2006
Date Analyzed: 10/25/2006
Analyst: JH
Review:
Analytical Method: 8260B

Volatile Organic Compounds GC/MS

CAS ID#	COMPOUNDS	RESULT*	Units	PQL	MDL	D.F.	Batch	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND	mg/Kg	0.10	-	1.0	8260s_061002	
75-35-4	1,1 - DICHLOROETHYLENE	ND	mg/Kg	0.10	-	1.0		
563-58-6	1,1 - DICHLOROPROPENE	ND	mg/Kg	0.10	-	1.0		
71-55-6	1,1,1 - TRICHLOROETHANE	ND	mg/Kg	0.025	-	1.0		
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND	mg/Kg	0.10	-	1.0		
79-00-5	1,1,2 - TRICHLOROETHANE	ND	mg/Kg	0.10	-	1.0		
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND	mg/Kg	0.10	-	1.0		
106-93-4	1,2 - DIBROMOETHANE	ND	mg/Kg	0.10	-	1.0		
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND	mg/Kg	0.10	-	1.0		
107-06-2	1,2 - DICHLOROETHANE	ND	mg/Kg	0.10	-	1.0		
78-87-5	1,2 - DICHLOROPROPANE	ND	mg/Kg	0.10	-	1.0		
87-61-6	1,2,3 - TRICHLOROBENZENE	ND	mg/Kg	0.10	-	1.0		
96-18-4	1,2,3 - TRICHLOROPROPANE	ND	mg/Kg	0.10	-	1.0		
120-82-1	1,2,4 - TRICHLOROBENZENE	ND	mg/Kg	0.10	-	1.0		
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND	mg/Kg	0.10	-	1.0		
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND	mg/Kg	0.10	-	1.0		
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND	mg/Kg	0.10	-	1.0		
142-28-9	1,3 - DICHLOROPROPANE	ND	mg/Kg	0.10	-	1.0		
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND	mg/Kg	0.10	-	1.0		
110-57-6	1,4 - DICHLORO-2-BUTENE	ND	mg/Kg	0.25	-	1.0		
106-46-7	1,4 - DICHLOROBENZENE (para)	ND	mg/Kg	0.10	-	1.0		
109-69-3	1-CHLOROBUTANE	ND	mg/Kg	0.10	-	1.0		
594-20-7	2,2 - DICHLOROPROPANE	ND	mg/Kg	0.10	-	1.0		
78-93-3	2-BUTANONE (MEK)	ND	mg/Kg	6.0	-	1.0		
591-78-6	2-HEXANONE	ND	mg/Kg	0.5	-	1.0		
79-46-9	2-NITROPROPANE	ND	mg/Kg	0.5	-	1.0		
108-10-1	4-METHYL-2-PENTANONE	ND	mg/Kg	0.125	-	1.0		
67-64-1	ACETONE	ND	mg/Kg	1.3	-	1.0		
107-13-1	ACRYLONITRILE	ND	mg/Kg	0.10	-	1.0		
107-05-1	ALLYL CHLORIDE	ND	mg/Kg	0.10	-	1.0		
71-43-2	BENZENE	ND	mg/Kg	0.025	-	1.0		

*Result of: NA - indicates the compound was not analyzed.
Alpha characters following a numeric value are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor.

Volatile Organic Compounds GC/MS

CAS ID#	COMPOUNDS	RESULT*	Units	PQL	MDL	D.F.	Batch	COMMENT
108-86-1	BROMOBENZENE	ND	mg/Kg	0.10	-	1.0	8260s_061002	
74-97-5	BROMOCHLOROMETHANE	ND	mg/Kg	0.10	-	1.0		
75-27-4	BROMODICHLOROMETHANE	ND	mg/Kg	0.10	-	1.0		
75-25-2	BROMOFORM	ND	mg/Kg	0.10	-	1.0		
74-83-9	BROMOMETHANE	ND	mg/Kg	0.50	-	1.0		
75-15-0	CARBON DISULFIDE	ND	mg/Kg	0.10	-	1.0		
56-23-5	CARBON TETRACHLORIDE	ND	mg/Kg	0.10	-	1.0		
108-90-7	CHLOROBENZENE	ND	mg/Kg	0.10	-	1.0		
124-48-1	CHLORODIBROMOMETHANE	ND	mg/Kg	0.10	-	1.0		
75-00-3	CHLOROETHANE	ND	mg/Kg	0.10	-	1.0		
67-66-3	CHLOROFORM	0.2	mg/Kg	0.10	-	1.0		
74-87-3	CHLOROMETHANE	ND	mg/Kg	0.125	-	1.0		
156-59-2	CIS - 1,2 - DICHLOROETHYLENE	ND	mg/Kg	0.10	-	1.0		
10061-01-5	CIS - 1,3 - DICHLOROPROPENE	ND	mg/Kg	0.10	-	1.0		
74-95-3	DIBROMOMETHANE	ND	mg/Kg	0.10	-	1.0		
75-71-8	DICHLORODIFLUOROMETHANE	ND	mg/Kg	0.10	-	1.0		
60-29-7	DIETHYL ETHER	ND	mg/Kg	0.125	-	1.0		
141-78-6	ETHYL ACETATE	ND	mg/Kg	0.10	-	1.0		
97-63-2	ETHYL METHACRYLATE	ND	mg/Kg	0.10	-	1.0		
100-41-4	ETHYLBENZENE	0.4	mg/Kg	0.10	-	1.0		
106-93-4	ETHYLENE DIBROMIDE (EDB)	ND	mg/Kg	0.10	-	1.0		
87-68-3	HEXACHLOROBUTADIENE	ND	mg/Kg	0.10	-	1.0		
67-72-1	HEXACHLOROETHANE	ND	mg/Kg	0.10	-	1.0		
98-82-8	ISOPROPYLBENZENE	ND	mg/Kg	0.10	-	1.0		
126-98-7	METHACRYLONITRILE	ND	mg/Kg	0.10	-	1.0		
96-33-3	METHYL ACRYLATE	ND	mg/Kg	0.10	-	1.0		
74-88-4	METHYL IODIDE	ND	mg/Kg	0.10	-	1.0		
80-62-6	METHYL METHACRYLATE	ND	mg/Kg	0.25	-	1.0		
1634-04-4	METHYL TERT-BUTYL ETHER	ND	mg/Kg	1.25	-	1.0		
75-09-2	METHYLENE CHLORIDE	ND	mg/Kg	1.25	-	1.0		
104-51-8	N - BUTYLBENZENE	ND	mg/Kg	0.10	-	1.0		
103-65-1	N - PROPYLBENZENE	ND	mg/Kg	0.10	-	1.0		
91-20-3	NAPHTHALENE	ND	mg/Kg	0.10	-	1.0		
99-87-6	P - ISOPROPYLTOLUENE	ND	mg/Kg	0.10	-	1.0		
76-01-7	PENTACHLOROETHANE	ND	mg/Kg	0.10	-	1.0		
135-98-8	SEC - BUTYLBENZENE	ND	mg/Kg	0.10	-	1.0		
100-42-5	STYRENE	ND	mg/Kg	0.10	-	1.0		
156-60-5	T - 1,2 - DICHLOROETHYLENE	ND	mg/Kg	0.10	-	1.0		
98-06-6	TERT - BUTYLBENZENE	ND	mg/Kg	0.10	-	1.0		
127-18-4	TETRACHLOROETHYLENE	ND	mg/Kg	0.025	-	1.0		
109-99-9	TETRAHYDROFURAN	ND	mg/Kg	0.5	-	1.0		
108-88-3	TOLUENE	ND	mg/Kg	0.10	-	1.0		
10061-02-6	TRANS- 1,3 - DICHLOROPROPENE	ND	mg/Kg	0.10	-	1.0		
79-01-6	TRICHLOROETHYLENE	ND	mg/Kg	0.025	-	1.0		
75-69-4	TRICHLOROFLUOROMETHANE	ND	mg/Kg	0.10	-	1.0		
75-01-4	VINYL CHLORIDE	ND	mg/Kg	0.10	-	1.0		

*Result of: NA - indicates the compound was not analyzed.
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ND - Indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor.

Volatile Organic Compounds GC/MS

CAS ID#	COMPOUNDS	RESULT*	Units	PQL	MDL	D.F.	Batch	COMMENT
1330-20-7	XYLENES	4.3	mg/Kg	0.10	-	1.0	8260s_061002	

*Result of: NA - indicates the compound was not analyzed.
Alpha characters following a numeric value are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - Indicates the compound was not detected above the PQL or MDL

PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor.

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WSDOE Lab C057

DATA REPORT

Client Name: Snohomish Health District - Toxics
3020 Rucker Ave Ste 104
Everett, WA 98201

Reference Number: 06-12634
Project: SHD-SW&T - ERTS 557432

Lab Number: 26655
Field ID: 1040028388-2
Sample Description: E Side Pad
Matrix: Soil
Collect Date: 9/26/2006
Extraction Date: 10/2/2006
Extraction Method: 3540B

Report Date: 11/22/2006
Date Analyzed: 10/30/2006
Analyst: MM
Review:
Analytical Method: 8082

PCB in Soil/Water

CAS ID#	COMPOUNDS	RESULT*	Units	PQL	MDL	D.F.	Batch	COMMENT
12674-11-2	AROCLOR 1016	ND	mg/Kg	0.1	-	1.0	8082_061002	
11104-28-2	AROCLOR 1221	ND	mg/Kg	1	-	1.0		
11141-16-5	AROCLOR 1232	ND	mg/Kg	0.1	-	1.0		
53469-21-9	AROCLOR 1242	ND	mg/Kg	0.1	-	1.0		
12672-29-6	AROCLOR 1248	ND	mg/Kg	0.1	-	1.0		
11097-69-1	AROCLOR 1254	0.84	mg/Kg	0.1	-	1.0		
11096-82-5	AROCLOR 1260	0.71	mg/Kg	0.1	-	1.0		

*Result of: NA - indicates the compound was not analyzed.
Alpha characters following a numeric value are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor.

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QUALITY CONTROL REPORT
BLANK REPORT

Reference Number: 06-12634
Report Date: 11/22/06

Batch	Analyte	Result	Units	Limit	QC Qualifier	Method	Type*	Comments
6010B-061003A	CADMIUM	ND	mg/L	0.00		6010B	LRB	
	CHROMIUM	ND	mg/L	0.01		6010B	LRB	
	LEAD	ND	mg/L	0.00		6010B	LRB	
6010B-061003A	CADMIUM	ND	mg/L	0.00		6010B	MB	
	CHROMIUM	ND	mg/L	0.01		6010B	MB	
	LEAD	ND	mg/L	2.50		6010B	MB	
8082_061002	AROCLOR 1016	ND	mg/Kg	0.02		8082	MB	
	AROCLOR 1221	ND	mg/Kg	0.02		8082	MB	
	AROCLOR 1232	ND	mg/Kg	0.02		8082	MB	
	AROCLOR 1242	ND	mg/Kg	0.02		8082	MB	
	AROCLOR 1248	ND	mg/Kg	0.02		8082	MB	
	AROCLOR 1254	ND	mg/Kg	0.02		8082	MB	
	AROCLOR 1260	ND	mg/Kg	0.02		8082	MB	
	DECACHLOROBIPHENYL (Surr)	79	%			8082	MB	
	TETRACHLORO-M-XYLENE (Surr)	140	%			8082	MB	
8260S_061002	1,1 - DICHLOROETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,1 - DICHLOROETHYLENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,1 - DICHLOROPROPENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,1,1 - TRICHLOROETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,1,1,2 - TETRACHLOROETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,1,2 - TRICHLOROETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,1,2,2 - TETRACHLOROETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,2 - DICHLOROBENZENE (ortho)	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,2 - DICHLOROETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,2 - DICHLOROPROPANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,2,3 - TRICHLOROBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,2,3 - TRICHLOROPROPANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,2,4 - TRICHLOROBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,2,4 - TRIMETHYLBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,2-DIBROMO-3-CHLOROPROPANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,3 - DICHLOROBENZENE (meta)	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,3 - DICHLOROPROPANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,3,5 - TRIMETHYLBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,4 - DICHLORO-2-BUTENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,4 - DICHLOROBENZENE (para)	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1-CHLOROBUTANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634

*Notation:

LRB: Laboratory Reagent Blanks are used to determine the background level of the analytes in a laboratory batch. Therefore, this report may include analytes not requested for your submitted samples.

MB: Method Blanks are used to determine background levels of analytes in digested and extracted laboratory reagent water

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Snohomish Health District
Environmental Health

QUALITY CONTROL REPORT
BLANK REPORT

Reference Number: 06-12634
Report Date: 11/22/06

Batch	Analyte	Result	Units	Limit	QC Qualifier	Method	Type*	Comments
8260S_061002	2,2 - DICHLOROPROPANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	2-BUTANONE (MEK)	4.8	mg/Kg	0.30		8260B	MB	PQL raised to 6.0 mg/Kg
	2-HEXANONE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	2-NITROPROPANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	4-METHYL-2-PENTANONE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	ACETONE	0.9	mg/Kg	0.60		8260B	MB	PQL raised to 1.3 mg/Kg
	ACRYLONITRILE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	ALLYL CHLORIDE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	BENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	BROMOBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	BROMOCHLOROMETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	BROMODICHLOROMETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	BROMOFORM	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	BROMOMETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	CARBON DISULFIDE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	CARBON TETRACHLORIDE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	CHLOROBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	CHLORODIBROMOMETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	CHLOROETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	CHLOROFORM	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	CHLOROMETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	CIS - 1,2 - DICHLOROETHYLENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	CIS - 1,3 - DICHLOROPROPENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	DIBROMOMETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	DICHLORODIFLUOROMETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	DIETHYL ETHER	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	ETHYL METHACRYLATE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	ETHYLBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	HEXACHLOROBUTADIENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	HEXACHLOROETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	ISOPROPYLBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	METHACRYLONITRILE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	METHYL ACRYLATE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	METHYL IODIDE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	METHYL METHACRYLATE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	METHYL TERT-BUTYL ETHER	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	METHYLENE CHLORIDE	ND	mg/Kg	0.30		8260B	MB	MB 06-12634
	N - BUTYLBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	N - PROPYLBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634

*Notation:

LRB: Laboratory Reagent Blanks are used to determine the background level of the analytes in a laboratory batch. Therefore, this report may include analytes not requested for your submitted samples.

MB: Method Blanks are used to determine background levels of analytes in digested and extracted laboratory reagent water.

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QUALITY CONTROL REPORT
BLANK REPORT

Reference Number: 06-12634
Report Date: 11/22/06

Batch	Analyte	Result	Units	Limit	QC Qualifier	Method	Type*	Comments
8260S_061002	NAPHTHALENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	P - ISOPROPYLTOLUENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	PENTACHLOROETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	SEC - BUTYLBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	STYRENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	T - 1,2 - DICHLOROETHYLENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	TERT - BUTYLBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	TETRACHLOROETHYLENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	TETRAHYDROFURAN	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	TOLUENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	TRANS- 1,3 - DICHLOROPROPENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	TRICHLOROETHYLENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	TRICHLOROFLUOROMETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	VINYL CHLORIDE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,2 - DICHLOROETHANE-d4 (SURR)	90	mg/Kg			8260B	MB	MB 06-12634
	4-BROMOFLUOROBENZENE (Surr)	98	mg/Kg			8260B	MB	MB 06-12634
	d8-TOLUENE (Surr)	99	mg/Kg			8260B	MB	MB 06-12634
DXS_060927	DIESEL (C12 - C24)	ND	mg/Kg	6.25		NWTPH-Dx	MB	
	HEAVIER OILS (>C24)	ND	mg/Kg	10.00		NWTPH-Dx	MB	
	O-TERPHENYL	91	%	0.00		NWTPH-Dx	MB	

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(360) 757-1400 - FAX (360) 757-1402

QUALITY CONTROL REPORT

QCS/LFB REPORT

Reference Number: 06-12634
Report Date: 11/22/06

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-061003A	CADMIUM	1	1	mg/L	6010B	100	70-130		LFB	
	CHROMIUM	1.07	1	mg/L	6010B	107	70-130		LFB	
	LEAD	1.03	1	mg/L	6010B	103	70-130		LFB	
8082_061002	AROCLOR 1260	0.19	0.2	mg/Kg	8082	95	49-153		LFB	
	DECACHLOROBIPHENYL (Surr)	107		%	8082	NA	22-161		LFB	
	TETRACHLORO-M-XYLENE (Surr)	89		%	8082	NA	58-111		LFB	
8260S_061002	1,1 - DICHLOROETHANE	0.90	1	mg/Kg	8260B	90	60-140		LFB	
	1,1 - DICHLOROETHYLENE	0.94	1	mg/Kg	8260B	94	60-140		LFB	
	1,1 - DICHLOROPROPENE	0.88	1	mg/Kg	8260B	88	60-140		LFB	
	1,1,1 - TRICHLOROETHANE	0.87	1	mg/Kg	8260B	87	60-140		LFB	
	1,1,1,2 - TETRACHLOROETHANE	1.18	1	mg/Kg	8260B	118	60-140		LFB	
	1,1,2 - TRICHLOROETHANE	0.85	1	mg/Kg	8260B	85	60-140		LFB	
	1,1,2,2 - TETRACHLOROETHANE	1.21	1	mg/Kg	8260B	121	60-140		LFB	
	1,2 - DICHLOROBENZENE (ortho)	1.12	1	mg/Kg	8260B	112	60-140		LFB	
	1,2 - DICHLOROETHANE	0.87	1	mg/Kg	8260B	87	60-140		LFB	
	1,2 - DICHLOROPROPANE	0.82	1	mg/Kg	8260B	82	60-140		LFB	
	1,2,3 - TRICHLOROBENZENE	1.32	1	mg/Kg	8260B	132	60-140	AH	LFB	
	1,2,3 - TRICHLOROPROPANE	1.15	1	mg/Kg	8260B	115	60-140		LFB	
	1,2,4 - TRICHLOROBENZENE	1.00	1	mg/Kg	8260B	100	60-140		LFB	
	1,2,4 - TRIMETHYLBENZENE	1.23	1	mg/Kg	8260B	123	60-140		LFB	
	1,2-DIBROMO-3-CHLOROPROPANE	1.18	1	mg/Kg	8260B	118	60-140		LFB	
	1,3 - DICHLOROBENZENE (meta)	1.19	1	mg/Kg	8260B	119	60-140		LFB	
	1,3 - DICHLOROPROPANE	0.81	1	mg/Kg	8260B	81	60-140		LFB	
	1,3,5 - TRIMETHYLBENZENE	1.25	1	mg/Kg	8260B	125	60-140		LFB	
	1,4 - DICHLOROBENZENE (para)	1.25	1	mg/Kg	8260B	125	60-140		LFB	
	2,2 - DICHLOROPROPANE	0.91	1	mg/Kg	8260B	91	60-140		LFB	
	BENZENE	0.91	1	mg/Kg	8260B	91	60-140		LFB	
	BROMOBENZENE	1.24	1	mg/Kg	8260B	124	60-140		LFB	
	BROMOCHLOROMETHANE	0.94	1	mg/Kg	8260B	94	60-140		LFB	
	BROMODICHLOROMETHANE	0.85	1	mg/Kg	8260B	85	60-140		LFB	
	BROMOFORM	1.21	1	mg/Kg	8260B	121	60-140		LFB	
	BROMOMETHANE	0.91	1	mg/Kg	8260B	91	60-140		LFB	
	CARBON TETRACHLORIDE	0.95	1	mg/Kg	8260B	95	60-140		LFB	
	CHLOROBENZENE	1.20	1	mg/Kg	8260B	120	60-140		LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

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Environmental Health

QUALITY CONTROL REPORT

QCS/LFB REPORT

Reference Number: 06-12634
Report Date: 11/22/06

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	Qualifier	Type*	Comment
8260S_061002	CHLORODIBROMOMETHANE	0.82	1	mg/Kg	8260B	82	60-140		LFB	
	CHLOROETHANE	0.81	1	mg/Kg	8260B	81	60-140		LFB	
	CHLOROFORM	0.85	1	mg/Kg	8260B	85	60-140		LFB	
	CHLOROMETHANE	0.93	1	mg/Kg	8260B	93	60-140		LFB	
	CIS - 1,2 - DICHLOROETHYLENE	0.92	1	mg/Kg	8260B	92	60-140		LFB	
	CIS - 1,3 - DICHLOROPROPENE	0.87	1	mg/Kg	8260B	87	60-140		LFB	
	DIBROMOMETHANE	0.82	1	mg/Kg	8260B	82	60-140		LFB	
	DICHLORODIFLUOROMETHANE	0.79	1	mg/Kg	8260B	79	60-140		LFB	
	ETHYLBENZENE	1.20	1	mg/Kg	8260B	120	60-140		LFB	
	ETHYLENE DIBROMIDE (EDB)	0.78	1	mg/Kg	8260B	78	60-140		LFB	
	HEXACHLOROBUTADIENE	1.03	1	mg/Kg	8260B	103	60-140		LFB	
	ISOPROPYLBENZENE	1.33	1	mg/Kg	8260B	133	60-140		LFB	
	METHYL TERT-BUTYL ETHER	1.53	1	mg/Kg	8260B	153	60-140	AH	LFB	
	METHYLENE CHLORIDE	0.83	1	mg/Kg	8260B	83	60-140		LFB	
	N - BUTYLBENZENE	1.04	1	mg/Kg	8260B	104	60-140		LFB	
	N - PROPYLBENZENE	1.23	1	mg/Kg	8260B	123	60-140		LFB	
	NAPHTHALENE	1.20	1	mg/Kg	8260B	120	60-140		LFB	
	P - ISOPROPYLTOLUENE	1.22	1	mg/Kg	8260B	122	60-140		LFB	
	SEC - BUTYLBENZENE	1.23	1	mg/Kg	8260B	123	60-140		LFB	
	STYRENE	1.20	1	mg/Kg	8260B	120	60-140		LFB	
	T - 1,2 - DICHLOROETHYLENE	1.00	1	mg/Kg	8260B	100	60-140		LFB	
	TERT - BUTYLBENZENE	1.33	1	mg/Kg	8260B	133	60-140	AH	LFB	
	TETRACHLOROETHYLENE	0.79	1	mg/Kg	8260B	79	60-140		LFB	
	TOLUENE	0.80	1	mg/Kg	8260B	80	60-140		LFB	
	TRANS- 1,3 - DICHLOROPROPENE	0.89	1	mg/Kg	8260B	89	60-140		LFB	
	TRICHLOROETHYLENE	0.85	1	mg/Kg	8260B	85	60-140		LFB	
	TRICHLOROFLUOROMETHANE	0.77	1	mg/Kg	8260B	77	60-140		LFB	
	VINYL CHLORIDE	1.04	1	mg/Kg	8260B	104	60-140		LFB	
	1,2 - DICHLOROETHANE-d4 (SURR)	100		mg/Kg	8260B	NA	70-130		LFB	
	4-BROMOFLUOROBENZENE (Surr)	91		mg/Kg	8260B	NA	80-120		LFB	
	d8-TOLUENE (Surr)	86		mg/Kg	8260B	NA	NA		LFB	
DXS_060927	DIESEL (C12 - C24)	88	125	mg/Kg	NWTPH-Dx	70	80-120		LFB	
	O-TERPHENYL	12		%	NWTPH-Dx		70-130		LFB	
6010B-061003A	CADMIUM	1.98	2	mg/L	6010B	99	70-130		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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QUALITY CONTROL REPORT
QCS/LFB REPORT

Reference Number: 06-12634
Report Date: 11/22/06

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-061003A	CHROMIUM	1.99	2	mg/L	6010B	100	70-130		QCS	
	LEAD	2.06	2	mg/L	6010B	103	70-130		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

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QUALITY CONTROL REPORT

Duplicate and Matrix Spike/Matrix Spike Duplicate Report

Reference Number: 06-12634
Report Date: 11/22/2006

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier		Comments
6010B-061003A										
	26656	CADMIUM	35.5	52.5	mg/Kg	**38.6**	0-50	NH	DUP	
	26656	CHROMIUM	174	257	mg/Kg	**38.5**	0-50	NH	DUP	
	26656	LEAD	295	388	mg/Kg	**27.2**	0-50	NH	DUP	
8082_061002										
	26813	DECACHLOROBIPHENYL (Surr)	109	120	%	**9.6**	0-30		DUP	
	26813	TETRACHLORO-M-XYLENE (Surr)	87	93	%	**6.7**	0-30		DUP	
8260s_061002										
	26654	CHLOROFORM	0.2	0.2	mg/Kg	**0.0**	0-50		DUP	
	26654	ETHYLBENZENE	0.4	0.3	mg/Kg	**28.6**	0-50		DUP	
	26654	XYLENES	4.3	3.0	mg/Kg	**35.6**	0-50		DUP	
	26654	1,2 - DICHLOROETHANE-d4 (SURR)	93	89	%	**4.4**	0-50		DUP	
	26654	4-BROMOFLUOROBENZENE (Surr)	99	99	%	**0.0**	0-30		DUP	
	26654	d8-TOLUENE (Surr)	102	100	%	**2.0**			DUP	
DXS_060927										
	26153	HEAVIER OILS (>C24)	5080	4750	mg/Kg	**6.7**	0-50		DUP	
	26153	O-TERPHENYL	81	95	%	**15.9**	0-50		DUP	
TS_060928										
	26391	TOTAL SOLIDS FOR CALCULATION	59.4	57.4	%	**3.4**	0-45		DUP	
	26792	TOTAL SOLIDS FOR CALCULATION	79.2	80.4	%	**1.5**	0-45		DUP	
TS_061012										
	28008	TOTAL SOLIDS FOR CALCULATION	95.6	95.8	%	**0.2**	0-45		DUP	
	28019	TOTAL SOLIDS FOR CALCULATION	85.6	85.2	%	**0.5**	0-45		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Reference Number: 06-12634
Report Date: 11/22/2006

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Comments
6010B-061003A														
	26153	CADMIUM	16.4	134		119	mg/Kg	**99**		70-130	**NA**	0-50		LFM
	26153	LEAD	178	301		119	mg/Kg	**103**		80-120	**NA**	0-60		LFM
	26656	CADMIUM	35.5	160	154	128	mg/Kg	**97**	**93**	70-130	**4.9**	0-50		LFM
	26656	CHROMIUM	174	300	321	128	mg/Kg	**98**	**115**	70-130	**15.4**	0-50		LFM
	26656	LEAD	295	441	439	128	mg/Kg	**114**	**113**	80-120	**1.4**	0-60		LFM
8082_061002														
	26655	AROCLOR 1260	0.71	1.22		0.3	mg/Kg	**170**	**NA**	49-153	**NA**	0-60	S	LFM
	26655	DECACHLOROBIPHENYL (Surr)	36	36			%		**NA**		**NA**			LFM
	26655	TETRACHLORO-M-XYLENE (Surr)	76	70			%		**NA**		**NA**			LFM

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Qualifier Definitions

Reference Number: 06-12634
Report Date: 11/22/06

Qualifier	Definition
AH	Result was high for this analyte only in the standard. No detection of this analyte was found in samples, therefore no further action taken.
LS	Data suspect due to low surrogate recovery.
NH	The sample was non-homogeneous.
S	Spiking amount was lower than the 5:1 spike to background (sample amount) basis for performance criteria. The reported criteria does not apply due to increased errors in measurement of both sample and spike concentration.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

CHAIN OF CUSTODY RECORD

06-12634
JCN 26654 - 26656

PAGE 1 OF 1

DATE 9/26/06

EDGE ANALYTICAL
11525 KNUDSON ROAD
BURLINGTON, WA 98233
PHONE 360 757-1400
800 755-9295
FAX 360 757-1402

SUBMIT REPORT TO:

NAME Geoffrey Coolcot
ADDRESS 3020 Rucker
Everett WA 98201
PROJECT NAME ERTS 55 7432
PHONE/FAX 425 339 5250
JOB/P.O. NO. _____ CONTACT _____
SAMPLER (SIGNATURE)

BILLING INFO:

NAME SHD
ADDRESS 3020 Rucker
Everett WA 98201
ATTN: Gary Haneda
VISA ☐ MC ☐ CARDHOLDER _____
CARD # _____ EXP ___/___

Edge Analytical
1040028388
UHS04 06/21/2006

INSTRUCTIONS

1. USE ONE LINE PER SAMPLE
2. BE SPECIFIC IN TEST REQUESTS
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE

TURN AROUND REQUEST

☒ STANDARD
☐ 5 DAYS (50% SURCHARGE)
☐ 1 - 2 DAYS (100% SURCHARGE)
☐ OTHER

TESTS

NO.	SAMPLE ID	DESCRIPTION	GRAB/ COMP.	MATRIX	DATE	TIME	Pb, Cd, Cr	NWTPH-DX	PCB	8260	8270 SIM				NO. OF CONTAINERS	PRESERVATIVE	OBSERVATIONS COMMENTS, SPECIAL INSTRUCTIONS
1	#1	E. Side Pad VOC.	grab	soil	9/26	12:55				X							
2	#2	E. Side Pad	comp	Soil	9/26	1:00	X	X	X								
3	#3	W Side Pad	comp	Soil	9/26	1:05	X	X									
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	

TOTAL NO. OF CONTAINERS

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Snohomish Health District
Environmental Health

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Geoffrey W. Coolcot Edge Anal.	9/26/06 5:00		9/26 5:00
Gary Peterson	9:50 AM 9/27		9-27-06 9:45 AM

CHAIN OF CUSTODY SEALS ☐ YES ☐ NO ☐ NA
SHIPPED VIA ☐ UPS ☐ FED EX ☐ OTHER _____
17°C

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Reprint
Ticket# 148596

Ph: 206 763 5025

Customer Name	SEA ALASKA INDUSTRIAL SERVICE	Carrier	SELF HAULER *
Ticket Date	05/09/2019	Vehicle#	GMC2500
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	STEVE KLETT
Route		Check#	
Hauling Ticket#		Billing#	0000659
Destination		Grid	

PO# Quote #4496/114318WA

Volume

	Time	Scale	Operator	Inbound		
In	05/09/2019 07:04:27	SCALE 1	GALTHEIM		Gross	10420 lb
Out	05/09/2019 07:15:55	SCALE 1	GALTHEIM		Tare	9000 lb
					Net	1420 lb
					Tons	0.71

Comments GMC TRUCK
GA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	0.71	Tons				SNOHOMISH
2	GONDOLA T-GONDOLA TON	100	0.71	Tons				SNOHOMISH
3	FEA-FUEL,ENV,ADMIN	100	0.71	Tons				SNOHOMISH

Total Tax
Total Ticket

Driver's Signature