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

December 19, 2019

Brian Doan
SCS Engineers
2405 140th Avenue NE, Suite 107
Bellevue, WA 98005

Re: Analytical Data for Project 04218014.00
Laboratory Reference No. 1911-269B

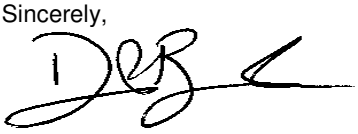
Dear Brian:

Enclosed are the analytical results and associated quality control data for samples submitted on November 26, 2019.

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 19, 2019
Samples Submitted: November 26, 2019
Laboratory Reference: 1911-269B
Project: 04218014.00

Case Narrative

Samples were collected on November 26, 2019 and received by the laboratory on November 26, 2019. 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.

NWTPH-Dx Analysis

Sample MW-2 (acid cleaned fraction) had a surrogate recovery outside of control limits. Because the recovery showed high bias and the sample was non-detect, no further action was deemed necessary.

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.

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DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-1**					
Laboratory ID:	11-269-01					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	12-2-19	12-13-19	X1
Lube Oil	**ND**	0.23	NWTPH-Dx	12-2-19	12-13-19	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*148*	*50-150*				
Client ID:	**MW-2**					
Laboratory ID:	11-269-02					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	12-2-19	12-13-19	X1
Lube Oil	**ND**	0.26	NWTPH-Dx	12-2-19	12-13-19	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*156*	*50-150*				Q
Client ID:	**MW-3**					
Laboratory ID:	11-269-03					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	12-2-19	12-13-19	X1
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	12-2-19	12-13-19	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*143*	*50-150*				
Client ID:	**DUP-1**					
Laboratory ID:	11-269-04					
Diesel Range Organics	**ND**	0.16	NWTPH-Dx	12-2-19	12-18-19	X1
Lube Oil Range Organics	**ND**	0.30	NWTPH-Dx	12-2-19	12-18-19	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*136*	*50-150*				

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DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1202W1					
Diesel Range Organics	**ND**	0.16	NWTPH-Dx	12-2-19	12-13-19	X1
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	12-2-19	12-13-19	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*139*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-252-01										
	ORIG	DUP									
Diesel Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	X1
Lube Oil Range Organics	**0.214**	**ND**	NA	NA		NA		NA	NA	NA	X1
Surrogate:											
o-Terphenyl						*124*	*124*	*50-150*			

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 methods 8260 & 8270, 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

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

Company: SCS Engineers
Project Number: 042180014.00
Project Name: Bellevue South
Project Manager: Brian Doan
Sampled by: Sam Graber

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

Laboratory Number: 11-269

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx (Mineral Spirits)	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	Dx Ac/SG				% Moisture
1	MW-1	11/26/19	1029	water	6			X	X										X				(X)				
2	MW-2	↓	909	↓	6			↓	↓										↓				(X)				
3	MW-3	↓	1303	↓	6			↓	↓										↓				(X)				
4	Dup-1	↓	1040	↓	6			↓	↓										↓				(X)				
5	F-15 Cleanout	↓	1133	↓	1																						
6	SE Drain Wall	↓	1218	↓	1														↓								

	Signature	Company	Date	Time
Relinquished		SCS	11/26/2019	16:20
Received		CORE	11/26/19	1620
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
(X) Added 12/10/19 BC STA
Please include EIM EDD w/ report deliverable.

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