QUARTERLY GROUNDWATER MONITORING REPORT- July 2020

Avista Service Center Garage
East 1411 Mission Avenue
Spokane, Washington 99220

Prepared for
Avista Corporation
East 1411 Mission Avenue
Spokane, Washington 99220

SES PROJECT NO. 0200-017

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August 12, 2020

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PROJECT INFORMATION

Site Name/Location: Avista Service Center
East 1411 Mission Avenue, Spokane, Washington 99220

Sampling Date: July 21, 2020

Document Contents: Summary of July 2020 Quarterly Groundwater Sampling.

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Table 3	Summary of Chemical Analytical Results
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SES Project No.: 0200-017

INTRODUCTION

This report summarizes the results of quarterly groundwater sampling at the Avista Corporation's (Avista) Service Center site in Spokane, Washington (Mission Campus). The site is located on the northwest corner of East Mission Avenue and Upriver Drive adjacent to the Spokane River near downtown Spokane, Washington as shown on the Location Map, Figure 1. Groundwater monitoring is being conducted as an independent action under the Washington Department of Ecology (Ecology) Model Toxics Control Act[1] (MTCA).

The Service Center Garage building was located on the Avista Spokane campus which resides on an approximate 20 acre parcel in Spokane, Washington. The site is shown in Groundwater Elevation and Interpreted Flow Direction, July 21, 2020, Figure 2.

The Spokane River is located approximately 400 feet east of the former Service Center Garage building. Groundwater flows from southeast to northwest, away from the Spokane River, based on groundwater monitoring events conducted at the site. The Service Center Garage building was used from 1955 to July 2018 to service fleet vehicles. The Service Center Garage building contained sub-slab hydraulic lifts for servicing line trucks in Bay 1, Bay 2, Bay 5 and Bay 7. The high bay area contained portable hydraulic lifts that were not located beneath the floor slab. Avista demolished the Service Center Garage building in August 2018 and moved to a new facility located in the northern area of the campus.

Two groundwater monitoring wells (MW-1A and MW-5B) were installed at the site on July 26, 2019 as replacements for wells damaged or destroyed during construction of a parking structure in 2018-2019.

Currently, there are five monitoring wells on the site. SES measured top of casing elevations of monitoring wells MW-1A, MW-2, MW-3, MW-4 and MW-5B on July 21, 2020. Groundwater elevations are calculated from these general well elevations. Monitoring well locations are shown on Figure 2.

MONITORING WELL HEADSPACE VAPOR MONITORING

Monitoring well headspace vapors were measured using a photo-ionization detector (PID). Headspace measurements were collected by inserting the PID probe into the well casing immediately after removing the well cap and recording the maximum observed concentration. Headspace vapor concentrations were less than 1.0 parts per million (ppm) for the monitoring wells, as shown in Summary of Groundwater Level Measurements, Table 1.

[1] Washington State Department of Ecology Toxics Cleanup Program. 2007. Model Toxics Control Act Cleanup Regulation Chapter 173-340 WAC. Publication No 94-06.

GROUNDWATER ELEVATION AND GRADIENT

The monitoring well elevations are used to identify the general groundwater gradient across the site. After removal of the caps and measuring the headspace in each well, groundwater was allowed to equilibrate to current atmospheric conditions prior to recording the depth to water. The depth to groundwater was measured in each monitoring well before it was sampled. Groundwater levels were measured from the monitoring well top of casing (TOC) using an electronic water level meter. The depth to groundwater ranged from 19.13 feet below TOC at MW-3 to 39.13 below feet TOC at MW-1A. Groundwater elevations across the site ranged from 1,867.83 in MW-1A to 1868.44 in MW-3. The July 2020 groundwater gradient is west-northwesterly, which is consistent with previous groundwater monitoring events. Groundwater gradient as measured was approximately 0.0009ft/ft across the site. The depth to groundwater and groundwater elevations are summarized in Summary of Groundwater Level Measurements, Table 1 and are shown on Figure 2.

GROUNDWATER SAMPLING PROCEDURES

Groundwater samples were collected on July 21, 2020 from site groundwater monitoring wells MW-1A, MW-2, MW-3, MW-4 and MW-5B. Prior to sampling, groundwater monitoring wells were purged and sampled in accordance with U.S. Environmental Protection Agency (EPA) guidance for low-flow sampling. During purging, water levels were monitored and drawdown minimized. Wells were purged until field parameters (temperature, conductivity, pH, dissolved oxygen, and turbidity) were stable within ten percent for three consecutive measurements. Groundwater quality parameters are summarized in Summary of Groundwater Quality Measurements, Table 2.

GROUNDWATER ANALYTICAL TESTING

Groundwater samples were placed into laboratory prepared containers and placed on ice upon collection pending same-day delivery to Eurofin's TestAmerica laboratory in Spokane, Washington. Samples were transported under chain-of-custody protocol.

Groundwater samples we analyzed for diesel- and Lube-range petroleum hydrocarbons by Northwest Method NWTPH-Dx, for polychlorinated biphenyls (PCBs) by EPA Method 8082A and for poly-cyclic aromatic hydrocarbons (PAHs) by EPA Method 8270E. Groundwater samples were analyzed on a standard turn-around time of 10-business days.

One duplicate sample (Dup) was collected from monitoring well MW-1A for quality assurance purposes. The sample was analyzed for NWTPH-Dx. Analytical results for each sample are in accordance and SES's review of the analytical report did not find discrepancies in analytical data or in laboratory quality control samples. Therefore, it is SES's opinion that the analytical data is suitable for its intended purpose.

GROUNDWATER SAMPLING RESULTS

Monitoring well samples were analyzed for. Samples were transported to TestAmerica Analytical Laboratory, located in Spokane, Washington for analysis. Groundwater sampling results for this monitoring event is summarized below. Analytical results are also presented in Summary of Chemical Analytical Results, Table 3. Laboratory analytical reports are included in Appendix A.

- Diesel- and Lube Oil- Range petroleum hydrocarbons were not detected in samples at concentrations exceeding Method reporting limits in any sample.
- PCBs were not detected at a concentration exceeding Method reporting limits in any sample.
- PAHs were not detected at concentrations exceeding Method reporting levels in any sample.

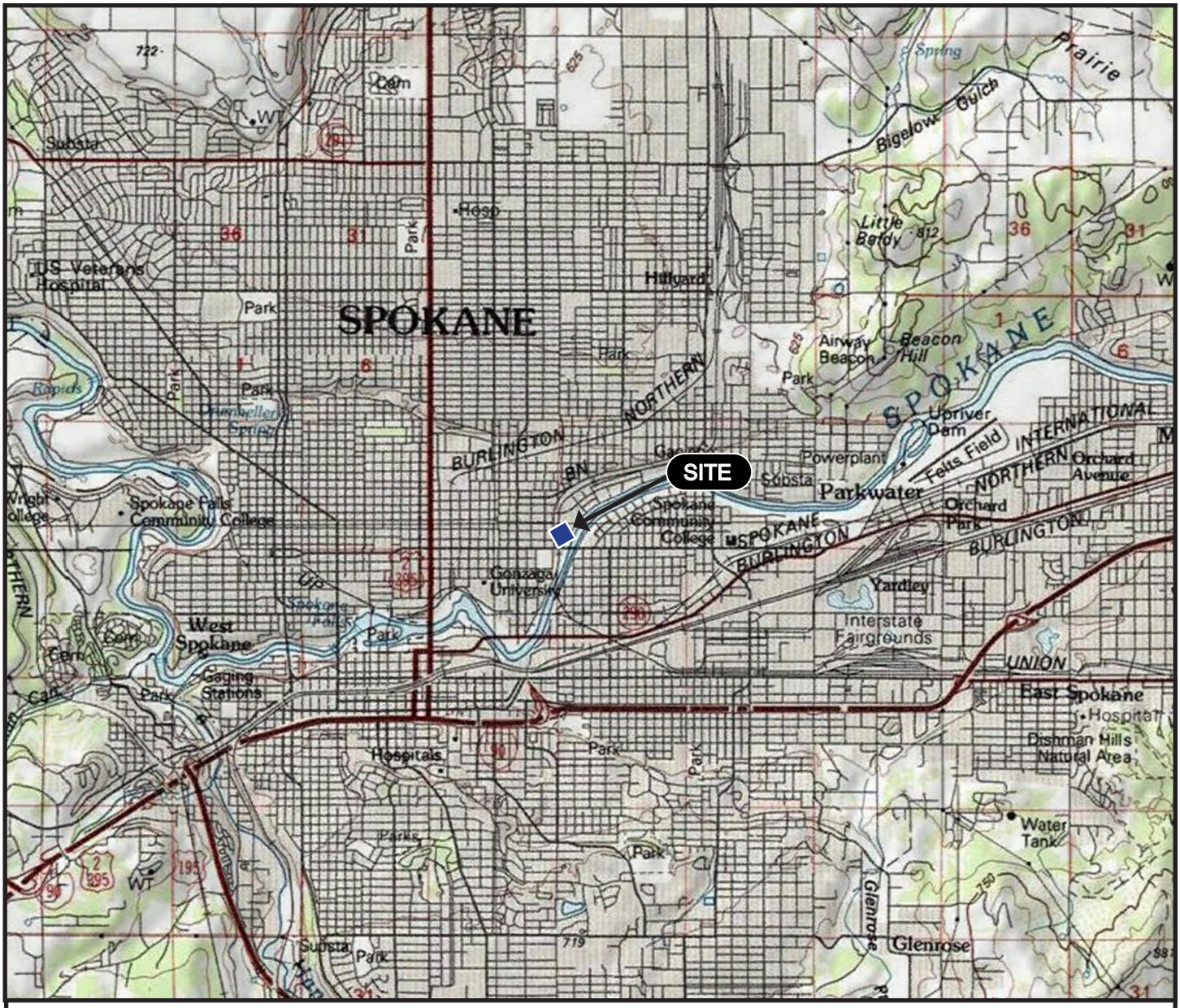
SUMMARY

Concentrations of contaminants of concern were not detected at concentrations exceeding Method reporting limits in samples collected from site monitoring wells during the July 21, 2020 sampling event. Method reporting limits are below applicable MTCA Method A cleanup criterion for unrestricted use.

RECOMMENDATIONS

SES recommends continuing the current sampling schedule. The next sampling event is scheduled for October 2020.

FIGURES



Notes:

1. *The locations of all features shown are approximate.*
2. *This drawing is for information purposes. it is intended to assist in showing features discussed in an attached document.*

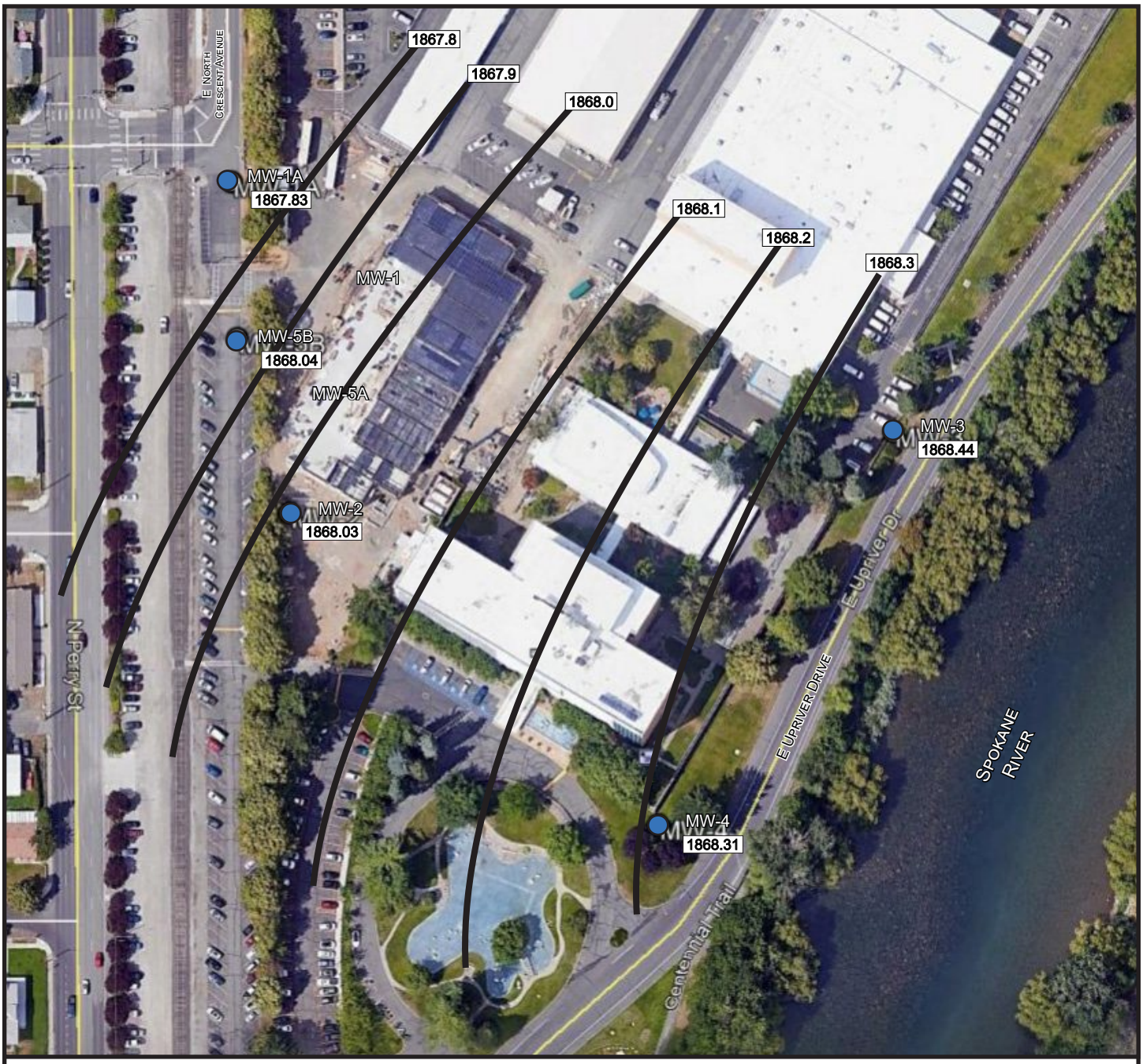
Source: Google Maps

LOCATION MAP

AVISTA - SERVICE CENTER
GROUNDWATER MONITORING
1411 EAST MISSION AVENUE
SPOKANE, WASHINGTON
SES PROJECT #0200-017

SES SPOKANE ENVIRONMENTAL SOLUTIONS

FIGURE 1



LEGEND:

- Well and Groundwater Elevation (feet)
- Former Monitoring Well
- — Approximate Groundwater Elevation Contour (0.1 feet)

N

Notes:

1. *The locations of all features shown are approximate.*
2. *This drawing is for information purposes. it is intended to assist in showing features discussed in an attached document.*

Source: Google Maps

LOCATION MAP

AVISTA - Service Center
Groundwater Monitoring
1411 East Mission Avenue
Spokane, Washington
SES Project #0200-017

SES Spokane Environmental Solutions

FIGURE 2

TABLES

Table 1

Summary of Groundwater Level Measurements

Avista - Spokane Service Center

Spokane, Washington

Well Number	Top of Casing Elevation[1] (feet)	Screen Elevation[1] (feet)	Date Measured	Monitoring Well Headspace[2] (ppm)	Depth to Groundwater[3] (feet)	Groundwater Elevation[1] (feet)	Change in Groundwater Elevation[4] (feet)
MW-1A	1,906.96	1,872.0 to 1,862.0	12/20/19	0.4	39.09	1,867.87	NA
			01/03/20	0.0	39.16	1,867.80	-0.07
			01/16/20	0.0	38.76	1,868.20	0.33
			07/21/20	0.1	39.13	1,867.83	-0.37
MW-2	1,897.60	1,872.57 to 1,862.57	12/20/19	0.1	29.55	1,868.05	NA
			01/03/20	0.0	29.60	1,868.00	-0.05
			01/16/20	1.1	29.21	1,868.39	0.34
			07/21/20	0.1	29.57	1,868.03	-0.36
MW-3	1,887.57	1,872.44 to 1,862.44	12/20/19	0.0	19.10	1,868.47	NA
			01/03/20	0.1	19.15	1,868.42	-0.05
			01/16/20	0.0	18.72	1,868.85	0.38
			07/21/20	0.4	19.13	1,868.44	-0.41
MW-4	1,888.10	1,873.10 to 1,863.10	12/20/19	0.0	19.74	1,868.36	NA
			01/03/20	0.0	19.79	1,868.31	-0.05
			01/16/20	0.2	19.38	1,868.72	0.36
			07/21/20	0.0	19.79	1,868.31	-0.41
MW-5B	1901.72	1868.97 to 1858.97	12/20/19	0.7	33.65	1,868.07	NA
			01/03/20	0.0	33.71	1,868.01	-0.06
			01/16/20	2.9	33.32	1,868.40	0.33
			07/21/20	0.2	33.68	1,868.04	-0.36

Notes:

[1]Elevations are referenced to the National Geodetic Vertical Datum of 1988 (NAVD88).

[2]Well headspace measurements were obtained using a photoionization detector immediately upon removal of the well's compression cap.

[3]Depth to water measurements obtained from the north side of the top of PVC well casing.

[4]Represents change in groundwater elevation from previous event, as measured in monitoring wells.

[5]Well screen length is unknown.

[6]Groundwater elevation is lower than the screened interval and might not represent actual groundwater elevation.

[7]Spokane River Stage provided by United States Geological Survey (USGS) gauge at Greene Street. Measured in feet.

NA = Not Applicable; NM = Not Measured

Table 2

Summary of Groundwater Quality Measurements

Avista - Spokane Service Center

Spokane, Washington

Well Number	Date Measured	pH (pH units)	Specific Conductivity (µS/cm)	Redox Potential (mv)	Dissolved Oxygen (mg/L)	Turbidity[1] (NTU)	Temperature (degrees C)
MW-1A	12/20/19	6.99	267.4	91.4	8.91	18.6	10.8
	01/03/20	10.93	76.5	78.9	8.88	3.0	9.1
	01/16/20	7.16	189.0	144.6	8.43	0.0	8.5
	07/21/20	7.39	161.0	113.0	5.77	61.2	22.59
MW-2	12/20/19	7.33	240.8	99.9	7.51	4.9	10.8
	01/03/20	11.91	65.9	113.5	7.68	2.2	10.2
	01/16/20	7.32	197.0	113.4	7.53	2.2	10.4
	07/21/20	6.89	203.0	134.0	5.29	51.4	22.7
MW-3	12/20/19	6.41	158.2	97.7	4.67	6.9	8.0
	01/03/20	11.53	44.3	107.0	4.99	2.2	7.2
	01/16/20	6.69	91.0	144.7	8.58	0.0	7.0
	07/21/20	6.20	152.0	50.0	1.43	0.0	19.0
MW-4	12/20/19	6.73	240.4	96.8	5.67	6.7	10.0
	01/03/20	12.00	72.8	108.6	5.73	5.2	9.7
	01/16/20	6.81	185.0	130.8	6.10	0.3	9.1
	07/21/20	6.17	162.0	152.0	2.00	0.0	17.2
MW-5B	12/20/19	7.42	248.8	64.0	8.52	31.2	10.4
	01/03/20	10.72	71.1	92.6	8.55	23.5	10.1
	01/07/00	197.00	117.5	8.4	38.21	11.1	11.1
	07/21/20	7.58	220.0	118.0	7.13	46.5	18.14

Notes:

[1]Turbidity is not a natural attenuation parameter but was measured in the field to evaluate groundwater stabilization

[2]MW-1 went dry before sampling on 8/17/18. The water quality parameters reflect measurements taken immediately prior to the water level dropping below the level of the pump.

µS/cm = micro-Siemens per centimeter; mV = millivolts; mg/L = milligrams per liter;

NTU = nephelometric turbidity unit; C = Celsius

Table 3

Summary of Chemical Analytical Results - Petroleum Hydrocarbons, PCBs and PAHs[1] - Groundwater

Avista - Spokane Service Center

Spokane, Washington

			Location ID	MW-1A								MW-2								MW-3							
			Sample ID	MW-1A:122019		MW-1A:010320		MW-1A:011620		MW-1A		MW-2:122019		MW-2:010320		MW-2:011620		MW-2		MW-3:122019		MW-3:010320		MW-3:011620		MW-3	
			Sample Date	12/20/2019		1/3/2020		1/16/2020		7/21/2020		12/20/2019		1/3/2020		1/16/2020		7/21/2020		12/20/2019		1/3/2020		1/16/2020		7/21/2020	
Method	**Analyte**	**Cleanup Level[2]**	**Units**																								
NWTPH-DX[3]	Diesel-range hydrocarbons	0.5	mg/L	**0.13**[7]	J	**0.12**[7]	J	0.114	U	0.092	U	0.23	U	0.11[4]	U	0.114	U	0.24	U	0.10[4]	U	0.11[4]	U	0.114	U	0.23	U
	Lube Oil-range Hydrocarbons	0.5	mg/L	**0.18**[7]	J	0.12[4]	U	0.124	U	0.092	U	0.38	U	0.12[4]	U	0.124	U	0.40	U	0.11[4]	U	0.12[4]	U	0.124	U	0.38	U
PCB-Aroclors[5]	PCB-Aroclor 1016	0.1	µg/L	0.095	U	0.94	U	0.097	U	0.092	U	0.097	U	0.096	U	0.097	U	0.093	U	0.097	U	0.096	U	0.095	U	0.092	U
	PCB-Aroclor 1221		µg/L	0.095	U	0.94	U	0.097	U	0.092	U	0.097	U	0.096	U	0.097	U	0.093	U	0.097	U	0.096	U	0.095	U	0.092	U
	PCB-Aroclor 1232		µg/L	0.095	U	0.94	U	0.097	U	0.092	U	0.097	U	0.096	U	0.097	U	0.093	U	0.097	U	0.096	U	0.095	U	0.092	U
	PCB-Aroclor 1242		µg/L	0.095	U	0.94	U	0.097	U	0.092	U	0.097	U	0.096	U	0.097	U	0.093	U	0.097	U	0.096	U	0.095	U	0.092	U
	PCB-Aroclor 1248		µg/L	0.095	U	0.94	U	0.097	U	0.092	U	0.097	U	0.096	U	0.097	U	0.093	U	0.097	U	0.096	U	0.095	U	0.092	U
	PCB-Aroclor 1254		µg/L	0.095	U	0.94	U	0.097	U	0.092	U	0.097	U	0.096	U	0.097	U	0.093	U	0.097	U	0.096	U	0.095	U	0.092	U
	PCB-Aroclor 1260		µg/L	0.095	U	0.94	U	0.097	U	0.092	U	0.097	U	0.096	U	0.097	U	0.093	U	0.097	U	0.096	U	0.095	U	0.092	U
	PCB-Aroclor 1262		µg/L	0.095	U	0.94	U	0.097	U	0.092	U	0.097	U	0.096	U	0.097	U	0.093	U	0.097	U	0.096	U	0.095	U	0.092	U
	PCB-Aroclor 1268		µg/L	0.095	U	0.94	U	0.097	U	0.092	U	0.097	U	0.096	U	0.097	U	0.093	U	0.097	U	0.096	U	0.095	U	0.092	U
PAHs[6]	1-Methylnaphthalene	NE	µg/L	0.084	U	0.090	U	0.085	U	0.083	U	0.088	U	0.087	U	0.088	U	0.083	U	0.086	U	0.088	U	0.086	U	0.082	U
	2-Methylnaphthalene	NE	µg/L	0.084	U	0.090	U	0.085	U	0.083	U	0.088	U	0.087	U	0.088	U	0.083	U	0.086	U	0.088	U	0.086	U	0.082	U
	Acenaphthene	NE	µg/L	0.084	U	0.090	U	0.085	U	0.083	U	0.088	U	0.087	U	0.088	U	0.083	U	0.086	U	0.088	U	0.086	U	0.082	U
	Acenaphthylene	NE	µg/L	0.084	U	0.090	U	0.085	U	0.083	U	0.088	U	0.087	U	0.088	U	0.083	U	0.086	U	0.088	U	0.086	U	0.082	U
	Anthracene	NE	µg/L	0.084	U	0.090	U	0.085	U	0.083	U	0.088	U	0.087	U	0.088	U	0.083	U	0.086	U	0.088	U	0.086	U	0.082	U
	Benzo(a)anthracene	NE	µg/L	0.084	J	0.090	U	0.085	U	0.083	U	0.088	U	0.087	U	0.088	U	0.083	U	0.086	U	0.088	U	0.086	U	0.082	U
	Benzo(a)pyrene	0.1	µg/L	0.084	J	0.090	U	0.085	U	0.083	U	0.088	U	0.087	U	0.088	U	0.083	U	0.086	U	0.088	U	0.086	U	0.082	U
	Benzo(b)fluoranthene	NE	µg/L	0.084	U	0.090	U	0.085	U	0.083	U	0.088	U	0.087	U	0.088	U	0.083	U	0.086	U	0.088	U	0.086	U	0.082	U
	Benzo(g,h,i)perylene	NE	µg/L	0.084	U	0.090	U	0.085	U	0.083	U	0.088	U	0.087	U	0.088	U	0.083	U	0.086	U	0.088	U	0.086	U	0.082	U
	Benzo(k)fluoranthene	NE	µg/L	0.084	U	0.090	U	0.085	U	0.083	U	0.088	U	0.087	U	0.088	U	0.083	U	0.086	U	0.088	U	0.086	U	0.082	U
	Chrysene	NE	µg/L	0.084	J	0.090	U	0.085	U	0.083	U	0.088	U	0.087	U	0.088	U	0.083	U	0.086	U	0.088	U	0.086	U	0.082	U
	Dibenzo(a,h)anthracene	NE	µg/L	0.084	U	0.090	U	0.085	U	0.083	U	0.088	U	0.087	U	0.088	U	0.083	U	0.086	U	0.088	U	0.086	U	0.082	U
	Fluoranthene	NE	µg/L	0.084	J	0.090	U	0.085	U	0.083	U	0.088	U	0.087	U	0.088	U	0.083	U	0.086	U	0.088	U	0.086	U	0.082	U
	Fluorene	NE	µg/L	0.084	U	0.090	U	0.085	U	0.083	U	0.088	U	0.087	U	0.088	U	0.083	U	0.086	U	0.088	U	0.086	U	0.082	U
	Indeno(1,2,3-c,d)pyrene	NE	µg/L	0.084	U	0.090	U	0.085	U	0.083	U	0.088	U	0.087	U	0.088	U	0.083	U	0.086	U	0.088	U	0.086	U	0.082	U
	Naphthalene	160	µg/L	0.084	U	0.090	U	0.085	U	0.083	U	0.088	U	0.087	U	0.088	U	0.083	U	0.086	U	0.088	U	0.086	U	0.082	U
	Phenanthrene	NE	µg/L	0.084	U	0.090	U	0.085	U	0.083	U	0.088	U	0.087	U	0.088	U	0.083	U	0.086	U	0.088	U	0.086	U	0.082	U
	Pyrene	NE	µg/L	0.084	J	0.090	U	0.085	U	0.083	U	0.088	U	0.087	U	0.088	U	0.083	U	0.086	U	0.088	U	0.086	U	0.082	U
	Total cPAH TEQ (ND=0.5RL)	0.1	µg/L	0.063	U	0.068	U	0.064175	U	0.063	U	0.066	U	0.066	U	0.06644	U	0.063	U	0.065	U	0.066	U	0.06493	U	0.062	U

			Location ID	MW-4								MW-5B							
			Sample ID	MW-4:122019		MW-4:010320		MW-4:011620		MW-4		MW-5B:122019		MW-5B:010320		MW-5B:011620		MW-5B	
			Sample Date	12/20/2019		1/3/2020		1/16/2020		7/21/2020		12/20/2019		1/3/2020		1/16/2020		7/21/2020	
Method	**Analyte**	**Cleanup Level[2]**	**Units**																
NWTPH-DX[3]	Diesel-range hydrocarbons	0.5	mg/L	0.11[4]	U	0.10[4]	U	0.114	U	0.23	U	0.10[4]	U	0.10[4]	U	0.114	U	0.23	U
	Lube Oil-range Hydrocarbons	0.5	mg/L	0.12[4]	U	0.11[4]	U	0.124	U	0.38	U	0.11[4]	U	0.11[4]	U	0.124	U	0.38	U
PCB-Aroclors[5]	PCB-Aroclor 1016	0.1	µg/L	0.097	U	0.095	U	0.10	U	0.094	U	0.098	U	0.094	U	0.10	U	0.092	U
	PCB-Aroclor 1221		µg/L	0.097	U	0.095	U	0.10	U	0.094	U	0.098	U	0.094	U	0.10	U	0.092	U
	PCB-Aroclor 1232		µg/L	0.097	U	0.095	U	0.10	U	0.094	U	0.098	U	0.094	U	0.10	U	0.092	U
	PCB-Aroclor 1242		µg/L	0.097	U	0.095	U	0.10	U	0.094	U	0.098	U	0.094	U	0.10	U	0.092	U
	PCB-Aroclor 1248		µg/L	0.097	U	0.095	U	0.10	U	0.094	U	0.098	U	0.094	U	0.10	U	0.092	U
	PCB-Aroclor 1254		µg/L	0.097	U	0.095	U	0.10	U	0.094	U	0.098	U	0.094	U	0.10	U	0.092	U
	PCB-Aroclor 1260		µg/L	0.097	U	0.095	U	0.10	U	0.094	U	0.098	U	0.094	U	0.10	U	0.092	U
	PCB-Aroclor 1262		µg/L	0.097	U	0.095	U	0.10	U	0.094	U	0.098	U	0.094	U	0.10	U	0.092	U
	PCB-Aroclor 1268		µg/L	0.097	U	0.095	U	0.10	U	0.094	U	0.098	U	0.094	U	0.10	U	0.092	U
PAHs[6]	1-Methylnaphthalene	NE	µg/L	0.087	U	0.086	U	0.088	U	0.085	U	0.084	U	0.084	U	0.089	U	0.083	U
	2-Methylnaphthalene	NE	µg/L	0.087	U	0.086	U	0.088	U	0.085	U	0.084	U	0.084	U	0.089	U	0.083	U
	Acenaphthene	NE	µg/L	0.087	U	0.086	U	0.088	U	0.085	U	0.084	U	0.084	U	0.089	U	0.083	U
	Acenaphthylene	NE	µg/L	0.087	U	0.086	U	0.088	U	0.085	U	0.084	U	0.084	U	0.089	U	0.083	U
	Anthracene	NE	µg/L	0.087	U	0.086	U	0.088	U	0.085	U	0.084	U	0.084	U	0.089	U	0.083	U
	Benzo(a)anthracene	NE	µg/L	0.087	U	0.086	U	0.088	U	0.085	U	0.084	U	0.084	U	0.089	U	0.083	U
	Benzo(a)pyrene	0.1	µg/L	0.087	U	0.086	U	0.088	U	0.085	U	0.084	U	0.084	U	0.089	U	0.083	U
	Benzo(b)fluoranthene	NE	µg/L	0.087	U	0.086	U	0.088	U	0.085	U	0.084	U	0.084	U	0.089	U	0.083	U
	Benzo(g,h,i)perylene	NE	µg/L	0.087	U	0.086	U	0.088	U	0.085	U	0.084	U	0.084	U	0.089	U	0.083	U
	Benzo(k)fluoranthene	NE	µg/L	0.087	U	0.086	U	0.088	U	0.085	U	0.084	U	0.084	U	0.089	U	0.083	U
	Chrysene	NE	µg/L	0.087	U	0.086	U	0.088	U	0.085	U	0.084	U	0.084	U	0.089	U	0.083	U
	Dibenzo(a,h)anthracene	NE	µg/L	0.087	U	0.086	U	0.088	U	0.085	U	0.084	U	0.084	U	0.089	U	0.083	U
	Fluoranthene	NE	µg/L	0.087	U	0.086	U	0.088	U	0.085	U	0.084	U	0.084	U	0.089	U	0.083	U
	Fluorene	NE	µg/L	0.087	U	0.086	U	0.088	U	0.085	U	0.084	U	0.084	U	0.089	U	0.083	U
	Indeno(1,2,3-c,d)pyrene	NE	µg/L	0.087	U	0.086	U	0.088	U	0.085	U	0.084	U	0.084	U	0.089	U	0.083	U
	Naphthalene	160	µg/L	0.087	U	0.086	U	0.088	U	0.085	U	0.084	U	0.084	U	0.089	U	0.083	U
	Phenanthrene	NE	µg/L	0.087	U	0.086	U	0.088	U	0.085	U	0.084	U	0.084	U	0.089	U	0.083	U
	Pyrene	NE	µg/L	0.087	U	0.086	U	0.088	U	0.085	U	0.084	U	0.084	U	0.089	U	0.083	U
	Total cPAH TEQ (ND=0.5RL)	0.1	µg/L	0.066	U	0.065	U	0.06644	U	0.064	U	0.063	U	0.063	U	0.067195	U	0.063	U

Notes:

[1]Laboratory testing provided by TestAmerica Laboratories, Inc. in Spokane Valley, Washington.

[2]Cleanup level refers to Model Toxics Control Act (MTCA) Method A Cleanup Level for Unrestricted Land Use

[3]Diesel- and Oil-range Petroleum Hydrocarbons (DRPH and ORPH) analyzed using Northwest Method NWTPH-Dx.

[4]Result is reported to the method detection limit (MDL).

[5]Polychlorinated biphenyls (PCBs) analyzed using Environmental Protection Agency (EPA) Method 8082A.

[6]Polycyclic aromatic hydrocarbons (PAHs) analyzed using EPA Method 8270D.

[7]Detection is J flagged as estimated result and reported to the MDL.

µg/L = micrograms per Liter; mg/L = milligrams per Liter; U = analyte was not detected at concentrations greater than the laboratory reporting limit; J = estimated result; "--" = not analyzed

Bold = indicates the analyte was detected above the laboratory reporting limit.

Bold Red= indicates the analyte was detected above the respective cleanup level.

APPENDIX A

LABORATORY REPORT

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 590-13538-1
Client Project/Site: AVA Mission

For:
Spokane Environmental Solutions LLC
3810 E. Boone Avenue
Suite #101
Spokane, Washington 99202

Attn: Gary Panther

Randee Arrington

Authorized for release by:
7/30/2020 2:34:25 PM

Randee Arrington, Project Manager II
(509)924-9200
Randee.Arrington@Eurofinset.com

Table of Contents

Case Narrative

Client: Spokane Environmental Solutions LLC
Project/Site: AVA Mission

Job ID: 590-13538-1

Job ID: 590-13538-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt
The samples were received on 7/21/2020 4:05 PM; the samples arrived in good condition. The temperature of the cooler at receipt was 16.8º C.

Receipt Exceptions
The following samples were received at the laboratory outside the required temperature criteria: MW-1A (590-13538-1), MW-2 (590-13538-2), MW-3 (590-13538-3), MW-4 (590-13538-4), MW-5B (590-13538-5) and Dup (590-13538-6). The samples are considered acceptable since they were collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

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

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

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

Sample Summary

Client: Spokane Environmental Solutions LLC
Project/Site: AVA Mission

Job ID: 590-13538-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-13538-1	MW-1A	Water	07/21/20 10:00	07/21/20 16:05	
590-13538-2	MW-2	Water	07/21/20 11:20	07/21/20 16:05	
590-13538-3	MW-3	Water	07/21/20 15:00	07/21/20 16:05	
590-13538-4	MW-4	Water	07/21/20 14:10	07/21/20 16:05	
590-13538-5	MW-5B	Water	07/21/20 13:00	07/21/20 16:05	
590-13538-6	Dup	Water	07/21/20 00:00	07/21/20 16:05	

Definitions/Glossary

Client: Spokane Environmental Solutions LLC
Project/Site: AVA Mission

Job ID: 590-13538-1

Glossary

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

Client: Spokane Environmental Solutions LLC
Project/Site: AVA Mission

Job ID: 590-13538-1

Client Sample ID: MW-1A

Date Collected: 07/21/20 10:00
Date Received: 07/21/20 16:05

Lab Sample ID: 590-13538-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:14	1
2-Methylnaphthalene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:14	1
1-Methylnaphthalene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:14	1
Acenaphthylene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:14	1
Acenaphthene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:14	1
Fluorene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:14	1
Phenanthrene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:14	1
Anthracene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:14	1
Fluoranthene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:14	1
Pyrene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:14	1
Benzo[a]anthracene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:14	1
Chrysene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:14	1
Benzo[b]fluoranthene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:14	1
Benzo[k]fluoranthene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:14	1
Benzo[a]pyrene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:14	1
Indeno[1,2,3-cd]pyrene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:14	1
Dibenz(a,h)anthracene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:14	1
Benzo[g,h,i]perylene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*106*		*44 - 121*	*07/27/20 13:14*	*07/27/20 15:14*	*1*
2-Fluorobiphenyl (Surr)	*83*		*44 - 120*	*07/27/20 13:14*	*07/27/20 15:14*	*1*
p-Terphenyl-d14	*78*		*51 - 121*	*07/27/20 13:14*	*07/27/20 15:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.092		ug/L		07/29/20 13:10	07/29/20 18:50	1
PCB-1221	ND		0.092		ug/L		07/29/20 13:10	07/29/20 18:50	1
PCB-1232	ND		0.092		ug/L		07/29/20 13:10	07/29/20 18:50	1
PCB-1242	ND		0.092		ug/L		07/29/20 13:10	07/29/20 18:50	1
PCB-1248	ND		0.092		ug/L		07/29/20 13:10	07/29/20 18:50	1
PCB-1254	ND		0.092		ug/L		07/29/20 13:10	07/29/20 18:50	1
PCB-1260	ND		0.092		ug/L		07/29/20 13:10	07/29/20 18:50	1
PCB-1268	ND		0.092		ug/L		07/29/20 13:10	07/29/20 18:50	1
PCB-1262	ND		0.092		ug/L		07/29/20 13:10	07/29/20 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*69*		*20 - 120*	*07/29/20 13:10*	*07/29/20 18:50*	*1*
DCB Decachlorobiphenyl (Surr)	*113*		*32 - 123*	*07/29/20 13:10*	*07/29/20 18:50*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23		mg/L		07/22/20 14:31	07/23/20 01:52	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38		mg/L		07/22/20 14:31	07/23/20 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*50 - 150*	*07/22/20 14:31*	*07/23/20 01:52*	*1*
n-Triacontane-d62	*78*		*50 - 150*	*07/22/20 14:31*	*07/23/20 01:52*	*1*

Client: Spokane Environmental Solutions LLC
Project/Site: AVA Mission

Job ID: 590-13538-1

Client Sample ID: MW-2

Date Collected: 07/21/20 11:20
Date Received: 07/21/20 16:05

Lab Sample ID: 590-13538-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:37	1
2-Methylnaphthalene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:37	1
1-Methylnaphthalene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:37	1
Acenaphthylene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:37	1
Acenaphthene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:37	1
Fluorene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:37	1
Phenanthrene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:37	1
Anthracene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:37	1
Fluoranthene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:37	1
Pyrene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:37	1
Benzo[a]anthracene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:37	1
Chrysene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:37	1
Benzo[b]fluoranthene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:37	1
Benzo[k]fluoranthene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:37	1
Benzo[a]pyrene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:37	1
Indeno[1,2,3-cd]pyrene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:37	1
Dibenz(a,h)anthracene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:37	1
Benzo[g,h,i]perylene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*97*		*44 - 121*	*07/27/20 13:14*	*07/27/20 15:37*	*1*
2-Fluorobiphenyl (Surr)	*77*		*44 - 120*	*07/27/20 13:14*	*07/27/20 15:37*	*1*
p-Terphenyl-d14	*80*		*51 - 121*	*07/27/20 13:14*	*07/27/20 15:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.093		ug/L		07/29/20 13:10	07/29/20 19:10	1
PCB-1221	ND		0.093		ug/L		07/29/20 13:10	07/29/20 19:10	1
PCB-1232	ND		0.093		ug/L		07/29/20 13:10	07/29/20 19:10	1
PCB-1242	ND		0.093		ug/L		07/29/20 13:10	07/29/20 19:10	1
PCB-1248	ND		0.093		ug/L		07/29/20 13:10	07/29/20 19:10	1
PCB-1254	ND		0.093		ug/L		07/29/20 13:10	07/29/20 19:10	1
PCB-1260	ND		0.093		ug/L		07/29/20 13:10	07/29/20 19:10	1
PCB-1268	ND		0.093		ug/L		07/29/20 13:10	07/29/20 19:10	1
PCB-1262	ND		0.093		ug/L		07/29/20 13:10	07/29/20 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*20 - 120*	*07/29/20 13:10*	*07/29/20 19:10*	*1*
DCB Decachlorobiphenyl (Surr)	*105*		*32 - 123*	*07/29/20 13:10*	*07/29/20 19:10*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24		mg/L		07/22/20 14:31	07/23/20 02:13	1
Residual Range Organics (RRO) (C25-C36)	ND		0.40		mg/L		07/22/20 14:31	07/23/20 02:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*73*		*50 - 150*	*07/22/20 14:31*	*07/23/20 02:13*	*1*
n-Triacontane-d62	*71*		*50 - 150*	*07/22/20 14:31*	*07/23/20 02:13*	*1*

Client: Spokane Environmental Solutions LLC
Project/Site: AVA Mission

Job ID: 590-13538-1

Client Sample ID: MW-3

Date Collected: 07/21/20 15:00
Date Received: 07/21/20 16:05

Lab Sample ID: 590-13538-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.082		ug/L		07/27/20 13:14	07/27/20 16:00	1
2-Methylnaphthalene	ND		0.082		ug/L		07/27/20 13:14	07/27/20 16:00	1
1-Methylnaphthalene	ND		0.082		ug/L		07/27/20 13:14	07/27/20 16:00	1
Acenaphthylene	ND		0.082		ug/L		07/27/20 13:14	07/27/20 16:00	1
Acenaphthene	ND		0.082		ug/L		07/27/20 13:14	07/27/20 16:00	1
Fluorene	ND		0.082		ug/L		07/27/20 13:14	07/27/20 16:00	1
Phenanthrene	ND		0.082		ug/L		07/27/20 13:14	07/27/20 16:00	1
Anthracene	ND		0.082		ug/L		07/27/20 13:14	07/27/20 16:00	1
Fluoranthene	ND		0.082		ug/L		07/27/20 13:14	07/27/20 16:00	1
Pyrene	ND		0.082		ug/L		07/27/20 13:14	07/27/20 16:00	1
Benzo[a]anthracene	ND		0.082		ug/L		07/27/20 13:14	07/27/20 16:00	1
Chrysene	ND		0.082		ug/L		07/27/20 13:14	07/27/20 16:00	1
Benzo[b]fluoranthene	ND		0.082		ug/L		07/27/20 13:14	07/27/20 16:00	1
Benzo[k]fluoranthene	ND		0.082		ug/L		07/27/20 13:14	07/27/20 16:00	1
Benzo[a]pyrene	ND		0.082		ug/L		07/27/20 13:14	07/27/20 16:00	1
Indeno[1,2,3-cd]pyrene	ND		0.082		ug/L		07/27/20 13:14	07/27/20 16:00	1
Dibenz(a,h)anthracene	ND		0.082		ug/L		07/27/20 13:14	07/27/20 16:00	1
Benzo[g,h,i]perylene	ND		0.082		ug/L		07/27/20 13:14	07/27/20 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*101*		*44 - 121*	*07/27/20 13:14*	*07/27/20 16:00*	*1*
2-Fluorobiphenyl (Surr)	*71*		*44 - 120*	*07/27/20 13:14*	*07/27/20 16:00*	*1*
p-Terphenyl-d14	*83*		*51 - 121*	*07/27/20 13:14*	*07/27/20 16:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.092		ug/L		07/29/20 13:10	07/29/20 19:31	1
PCB-1221	ND		0.092		ug/L		07/29/20 13:10	07/29/20 19:31	1
PCB-1232	ND		0.092		ug/L		07/29/20 13:10	07/29/20 19:31	1
PCB-1242	ND		0.092		ug/L		07/29/20 13:10	07/29/20 19:31	1
PCB-1248	ND		0.092		ug/L		07/29/20 13:10	07/29/20 19:31	1
PCB-1254	ND		0.092		ug/L		07/29/20 13:10	07/29/20 19:31	1
PCB-1260	ND		0.092		ug/L		07/29/20 13:10	07/29/20 19:31	1
PCB-1268	ND		0.092		ug/L		07/29/20 13:10	07/29/20 19:31	1
PCB-1262	ND		0.092		ug/L		07/29/20 13:10	07/29/20 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*55*		*20 - 120*	*07/29/20 13:10*	*07/29/20 19:31*	*1*
DCB Decachlorobiphenyl (Surr)	*107*		*32 - 123*	*07/29/20 13:10*	*07/29/20 19:31*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23		mg/L		07/22/20 14:31	07/23/20 02:56	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38		mg/L		07/22/20 14:31	07/23/20 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*50 - 150*	*07/22/20 14:31*	*07/23/20 02:56*	*1*
n-Triacontane-d62	*84*		*50 - 150*	*07/22/20 14:31*	*07/23/20 02:56*	*1*

Client: Spokane Environmental Solutions LLC
Project/Site: AVA Mission

Job ID: 590-13538-1

Client Sample ID: MW-4

Date Collected: 07/21/20 14:10
Date Received: 07/21/20 16:05

Lab Sample ID: 590-13538-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.085		ug/L		07/27/20 13:14	07/27/20 16:24	1
2-Methylnaphthalene	ND		0.085		ug/L		07/27/20 13:14	07/27/20 16:24	1
1-Methylnaphthalene	ND		0.085		ug/L		07/27/20 13:14	07/27/20 16:24	1
Acenaphthylene	ND		0.085		ug/L		07/27/20 13:14	07/27/20 16:24	1
Acenaphthene	ND		0.085		ug/L		07/27/20 13:14	07/27/20 16:24	1
Fluorene	ND		0.085		ug/L		07/27/20 13:14	07/27/20 16:24	1
Phenanthrene	ND		0.085		ug/L		07/27/20 13:14	07/27/20 16:24	1
Anthracene	ND		0.085		ug/L		07/27/20 13:14	07/27/20 16:24	1
Fluoranthene	ND		0.085		ug/L		07/27/20 13:14	07/27/20 16:24	1
Pyrene	ND		0.085		ug/L		07/27/20 13:14	07/27/20 16:24	1
Benzo[a]anthracene	ND		0.085		ug/L		07/27/20 13:14	07/27/20 16:24	1
Chrysene	ND		0.085		ug/L		07/27/20 13:14	07/27/20 16:24	1
Benzo[b]fluoranthene	ND		0.085		ug/L		07/27/20 13:14	07/27/20 16:24	1
Benzo[k]fluoranthene	ND		0.085		ug/L		07/27/20 13:14	07/27/20 16:24	1
Benzo[a]pyrene	ND		0.085		ug/L		07/27/20 13:14	07/27/20 16:24	1
Indeno[1,2,3-cd]pyrene	ND		0.085		ug/L		07/27/20 13:14	07/27/20 16:24	1
Dibenz(a,h)anthracene	ND		0.085		ug/L		07/27/20 13:14	07/27/20 16:24	1
Benzo[g,h,i]perylene	ND		0.085		ug/L		07/27/20 13:14	07/27/20 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*104*		*44 - 121*	*07/27/20 13:14*	*07/27/20 16:24*	*1*
2-Fluorobiphenyl (Surr)	*80*		*44 - 120*	*07/27/20 13:14*	*07/27/20 16:24*	*1*
p-Terphenyl-d14	*82*		*51 - 121*	*07/27/20 13:14*	*07/27/20 16:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.094		ug/L		07/29/20 13:10	07/29/20 19:52	1
PCB-1221	ND		0.094		ug/L		07/29/20 13:10	07/29/20 19:52	1
PCB-1232	ND		0.094		ug/L		07/29/20 13:10	07/29/20 19:52	1
PCB-1242	ND		0.094		ug/L		07/29/20 13:10	07/29/20 19:52	1
PCB-1248	ND		0.094		ug/L		07/29/20 13:10	07/29/20 19:52	1
PCB-1254	ND		0.094		ug/L		07/29/20 13:10	07/29/20 19:52	1
PCB-1260	ND		0.094		ug/L		07/29/20 13:10	07/29/20 19:52	1
PCB-1268	ND		0.094		ug/L		07/29/20 13:10	07/29/20 19:52	1
PCB-1262	ND		0.094		ug/L		07/29/20 13:10	07/29/20 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*55*		*20 - 120*	*07/29/20 13:10*	*07/29/20 19:52*	*1*
DCB Decachlorobiphenyl (Surr)	*100*		*32 - 123*	*07/29/20 13:10*	*07/29/20 19:52*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23		mg/L		07/22/20 14:31	07/23/20 03:18	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38		mg/L		07/22/20 14:31	07/23/20 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*71*		*50 - 150*	*07/22/20 14:31*	*07/23/20 03:18*	*1*
n-Triacontane-d62	*72*		*50 - 150*	*07/22/20 14:31*	*07/23/20 03:18*	*1*

Client: Spokane Environmental Solutions LLC
Project/Site: AVA Mission

Job ID: 590-13538-1

Client Sample ID: MW-5B

Date Collected: 07/21/20 13:00
Date Received: 07/21/20 16:05

Lab Sample ID: 590-13538-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 16:47	1
2-Methylnaphthalene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 16:47	1
1-Methylnaphthalene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 16:47	1
Acenaphthylene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 16:47	1
Acenaphthene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 16:47	1
Fluorene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 16:47	1
Phenanthrene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 16:47	1
Anthracene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 16:47	1
Fluoranthene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 16:47	1
Pyrene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 16:47	1
Benzo[a]anthracene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 16:47	1
Chrysene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 16:47	1
Benzo[b]fluoranthene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 16:47	1
Benzo[k]fluoranthene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 16:47	1
Benzo[a]pyrene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 16:47	1
Indeno[1,2,3-cd]pyrene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 16:47	1
Dibenz(a,h)anthracene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 16:47	1
Benzo[g,h,i]perylene	ND		0.083		ug/L		07/27/20 13:14	07/27/20 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*104*		*44 - 121*	*07/27/20 13:14*	*07/27/20 16:47*	*1*
2-Fluorobiphenyl (Surr)	*80*		*44 - 120*	*07/27/20 13:14*	*07/27/20 16:47*	*1*
p-Terphenyl-d14	*83*		*51 - 121*	*07/27/20 13:14*	*07/27/20 16:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.092		ug/L		07/29/20 13:10	07/29/20 20:13	1
PCB-1221	ND		0.092		ug/L		07/29/20 13:10	07/29/20 20:13	1
PCB-1232	ND		0.092		ug/L		07/29/20 13:10	07/29/20 20:13	1
PCB-1242	ND		0.092		ug/L		07/29/20 13:10	07/29/20 20:13	1
PCB-1248	ND		0.092		ug/L		07/29/20 13:10	07/29/20 20:13	1
PCB-1254	ND		0.092		ug/L		07/29/20 13:10	07/29/20 20:13	1
PCB-1260	ND		0.092		ug/L		07/29/20 13:10	07/29/20 20:13	1
PCB-1268	ND		0.092		ug/L		07/29/20 13:10	07/29/20 20:13	1
PCB-1262	ND		0.092		ug/L		07/29/20 13:10	07/29/20 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*20 - 120*	*07/29/20 13:10*	*07/29/20 20:13*	*1*
DCB Decachlorobiphenyl (Surr)	*107*		*32 - 123*	*07/29/20 13:10*	*07/29/20 20:13*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23		mg/L		07/22/20 14:31	07/23/20 03:39	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38		mg/L		07/22/20 14:31	07/23/20 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*50 - 150*	*07/22/20 14:31*	*07/23/20 03:39*	*1*
n-Triacontane-d62	*80*		*50 - 150*	*07/22/20 14:31*	*07/23/20 03:39*	*1*

Client: Spokane Environmental Solutions LLC
Project/Site: AVA Mission

Job ID: 590-13538-1

Client Sample ID: Dup
Date Collected: 07/21/20 00:00
Date Received: 07/21/20 16:05

Lab Sample ID: 590-13538-6
Matrix: Water

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23		mg/L		07/22/20 14:31	07/23/20 04:00	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38		mg/L		07/22/20 14:31	07/23/20 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*		*50 - 150*	*07/22/20 14:31*	*07/23/20 04:00*	*1*
n-Triacontane-d62	*80*		*50 - 150*	*07/22/20 14:31*	*07/23/20 04:00*	*1*

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

Lab Sample ID: MB 590-28322/1-A
Matrix: Water
Analysis Batch: 28316

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28322

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.090		ug/L		07/27/20 13:14	07/27/20 14:05	1
2-Methylnaphthalene	ND		0.090		ug/L		07/27/20 13:14	07/27/20 14:05	1
1-Methylnaphthalene	ND		0.090		ug/L		07/27/20 13:14	07/27/20 14:05	1
Acenaphthylene	ND		0.090		ug/L		07/27/20 13:14	07/27/20 14:05	1
Acenaphthene	ND		0.090		ug/L		07/27/20 13:14	07/27/20 14:05	1
Fluorene	ND		0.090		ug/L		07/27/20 13:14	07/27/20 14:05	1
Phenanthrene	ND		0.090		ug/L		07/27/20 13:14	07/27/20 14:05	1
Anthracene	ND		0.090		ug/L		07/27/20 13:14	07/27/20 14:05	1
Fluoranthene	ND		0.090		ug/L		07/27/20 13:14	07/27/20 14:05	1
Pyrene	ND		0.090		ug/L		07/27/20 13:14	07/27/20 14:05	1
Benzo[a]anthracene	ND		0.090		ug/L		07/27/20 13:14	07/27/20 14:05	1
Chrysene	ND		0.090		ug/L		07/27/20 13:14	07/27/20 14:05	1
Benzo[b]fluoranthene	ND		0.090		ug/L		07/27/20 13:14	07/27/20 14:05	1
Benzo[k]fluoranthene	ND		0.090		ug/L		07/27/20 13:14	07/27/20 14:05	1
Benzo[a]pyrene	ND		0.090		ug/L		07/27/20 13:14	07/27/20 14:05	1
Indeno[1,2,3-cd]pyrene	ND		0.090		ug/L		07/27/20 13:14	07/27/20 14:05	1
Dibenz(a,h)anthracene	ND		0.090		ug/L		07/27/20 13:14	07/27/20 14:05	1
Benzo[g,h,i]perylene	ND		0.090		ug/L		07/27/20 13:14	07/27/20 14:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*112*		*44 - 121*	*07/27/20 13:14*	*07/27/20 14:05*	*1*
2-Fluorobiphenyl (Surr)	*77*		*44 - 120*	*07/27/20 13:14*	*07/27/20 14:05*	*1*
p-Terphenyl-d14	*95*		*51 - 121*	*07/27/20 13:14*	*07/27/20 14:05*	*1*

Lab Sample ID: LCS 590-28322/2-A
Matrix: Water
Analysis Batch: 28316

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28322

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	1.60	1.19		ug/L		74	52 - 120
2-Methylnaphthalene	1.60	1.15		ug/L		72	44 - 120
1-Methylnaphthalene	1.60	1.16		ug/L		73	49 - 120
Acenaphthylene	1.60	1.45		ug/L		91	57 - 120
Acenaphthene	1.60	1.30		ug/L		81	54 - 120
Fluorene	1.60	1.36		ug/L		85	59 - 120
Phenanthrene	1.60	1.35		ug/L		84	66 - 120
Anthracene	1.60	1.53		ug/L		95	59 - 120
Fluoranthene	1.60	1.53		ug/L		96	64 - 120
Pyrene	1.60	1.67		ug/L		105	61 - 120
Benzo[a]anthracene	1.60	1.45		ug/L		91	68 - 120
Chrysene	1.60	1.74		ug/L		108	69 - 120
Benzo[b]fluoranthene	1.60	1.66		ug/L		104	63 - 120
Benzo[k]fluoranthene	1.60	1.52		ug/L		95	67 - 120
Benzo[a]pyrene	1.60	1.40		ug/L		87	70 - 120
Indeno[1,2,3-cd]pyrene	1.60	1.42		ug/L		89	66 - 120
Dibenz(a,h)anthracene	1.60	1.40		ug/L		87	65 - 120
Benzo[g,h,i]perylene	1.60	1.45		ug/L		91	65 - 120

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

Lab Sample ID: LCS 590-28322/2-A
Matrix: Water
Analysis Batch: 28316

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28322

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*116*		*44 - 121*
2-Fluorobiphenyl (Surr)	*73*		*44 - 120*
p-Terphenyl-d14	*87*		*51 - 121*

Lab Sample ID: LCSD 590-28322/3-A
Matrix: Water
Analysis Batch: 28316

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 28322

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene			1.60	1.15		ug/L		72	52 - 120	3	21
2-Methylnaphthalene			1.60	1.12		ug/L		70	44 - 120	3	27
1-Methylnaphthalene			1.60	1.12		ug/L		70	49 - 120	4	26
Acenaphthylene			1.60	1.39		ug/L		87	57 - 120	4	21
Acenaphthene			1.60	1.26		ug/L		79	54 - 120	3	22
Fluorene			1.60	1.33		ug/L		83	59 - 120	2	18
Phenanthrene			1.60	1.27		ug/L		80	66 - 120	6	16
Anthracene			1.60	1.46		ug/L		91	59 - 120	4	18
Fluoranthene			1.60	1.47		ug/L		92	64 - 120	4	13
Pyrene			1.60	1.59		ug/L		100	61 - 120	5	17
Benzo[a]anthracene			1.60	1.41		ug/L		88	68 - 120	3	12
Chrysene			1.60	1.76		ug/L		110	69 - 120	1	14
Benzo[b]fluoranthene			1.60	1.67		ug/L		104	63 - 120	0	22
Benzo[k]fluoranthene			1.60	1.53		ug/L		95	67 - 120	1	19
Benzo[a]pyrene			1.60	1.41		ug/L		88	70 - 120	1	13
Indeno[1,2,3-cd]pyrene			1.60	1.42		ug/L		89	66 - 120	0	24
Dibenz(a,h)anthracene			1.60	1.41		ug/L		88	65 - 120	1	24
Benzo[g,h,i]perylene			1.60	1.45		ug/L		91	65 - 120	0	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5	*103*		*44 - 121*
2-Fluorobiphenyl (Surr)	*70*		*44 - 120*
p-Terphenyl-d14	*90*		*51 - 121*

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

Lab Sample ID: MB 590-28360/1-A
Matrix: Water
Analysis Batch: 28355

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28360

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.10		ug/L		07/29/20 13:10	07/29/20 17:47	1
PCB-1221	ND		0.10		ug/L		07/29/20 13:10	07/29/20 17:47	1
PCB-1232	ND		0.10		ug/L		07/29/20 13:10	07/29/20 17:47	1
PCB-1242	ND		0.10		ug/L		07/29/20 13:10	07/29/20 17:47	1
PCB-1248	ND		0.10		ug/L		07/29/20 13:10	07/29/20 17:47	1
PCB-1254	ND		0.10		ug/L		07/29/20 13:10	07/29/20 17:47	1
PCB-1260	ND		0.10		ug/L		07/29/20 13:10	07/29/20 17:47	1
PCB-1268	ND		0.10		ug/L		07/29/20 13:10	07/29/20 17:47	1

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

Lab Sample ID: MB 590-28360/1-A
Matrix: Water
Analysis Batch: 28355

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28360

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		0.10		ug/L		07/29/20 13:10	07/29/20 17:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*60*		*20 - 120*	*07/29/20 13:10*	*07/29/20 17:47*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*32 - 123*	*07/29/20 13:10*	*07/29/20 17:47*	*1*

Lab Sample ID: LCS 590-28360/2-A
Matrix: Water
Analysis Batch: 28355

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28360

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.60	1.53		ug/L		96	51 - 120		
PCB-1260			1.60	1.46		ug/L		91	42 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*46*		*20 - 120*
DCB Decachlorobiphenyl (Surr)	*102*		*32 - 123*

Lab Sample ID: LCSD 590-28360/3-A
Matrix: Water
Analysis Batch: 28355

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 28360

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016			1.60	1.61		ug/L		100	51 - 120	5	26
PCB-1260			1.60	1.61		ug/L		101	42 - 120	10	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*46*		*20 - 120*
DCB Decachlorobiphenyl (Surr)	*107*		*32 - 123*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-28265/1-A
Matrix: Water
Analysis Batch: 28255

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28265

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24		mg/L		07/22/20 14:31	07/22/20 20:10	1
Residual Range Organics (RRO) (C25-C36)	ND		0.40		mg/L		07/22/20 14:31	07/22/20 20:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*74*		*50 - 150*	*07/22/20 14:31*	*07/22/20 20:10*	*1*
n-Triacontane-d62	*75*		*50 - 150*	*07/22/20 14:31*	*07/22/20 20:10*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 590-28265/2-A
Matrix: Water
Analysis Batch: 28255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28265

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (DRO) (C10-C25)			1.60	1.19		mg/L		75	50 - 150		
Residual Range Organics (RRO) (C25-C36)			1.60	1.51		mg/L		94	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*81*		*50 - 150*
n-Triacontane-d62	*79*		*50 - 150*

Lab Sample ID: LCSD 590-28265/3-A
Matrix: Water
Analysis Batch: 28255

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 28265

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)			1.60	1.17		mg/L		73	50 - 150	2	25
Residual Range Organics (RRO) (C25-C36)			1.60	1.51		mg/L		94	50 - 150	0	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*82*		*50 - 150*
n-Triacontane-d62	*82*		*50 - 150*

Lab Chronicle

Client: Spokane Environmental Solutions LLC
Project/Site: AVA Mission

Job ID: 590-13538-1

Client Sample ID: MW-1A
Date Collected: 07/21/20 10:00
Date Received: 07/21/20 16:05

Lab Sample ID: 590-13538-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			272.3 mL	2 mL	28322	07/27/20 13:14	NMI	TAL SPK
Total/NA	Analysis	8270E SIM		1			28316	07/27/20 15:14	NMI	TAL SPK
Total/NA	Prep	3510C			272.7 mL	2 mL	28360	07/29/20 13:10	NMI	TAL SPK
Total/NA	Analysis	8082A		1			28355	07/29/20 18:50	NMI	TAL SPK
Total/NA	Prep	3510C			262.2 mL	2 mL	28265	07/22/20 14:31	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			28255	07/23/20 01:52	NMI	TAL SPK

Client Sample ID: MW-2
Date Collected: 07/21/20 11:20
Date Received: 07/21/20 16:05

Lab Sample ID: 590-13538-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270.5 mL	2 mL	28322	07/27/20 13:14	NMI	TAL SPK
Total/NA	Analysis	8270E SIM		1			28316	07/27/20 15:37	NMI	TAL SPK
Total/NA	Prep	3510C			267.5 mL	2 mL	28360	07/29/20 13:10	NMI	TAL SPK
Total/NA	Analysis	8082A		1			28355	07/29/20 19:10	NMI	TAL SPK
Total/NA	Prep	3510C			248 mL	2 mL	28265	07/22/20 14:31	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			28255	07/23/20 02:13	NMI	TAL SPK

Client Sample ID: MW-3
Date Collected: 07/21/20 15:00
Date Received: 07/21/20 16:05

Lab Sample ID: 590-13538-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			272.8 mL	2 mL	28322	07/27/20 13:14	NMI	TAL SPK
Total/NA	Analysis	8270E SIM		1			28316	07/27/20 16:00	NMI	TAL SPK
Total/NA	Prep	3510C			270.9 mL	2 mL	28360	07/29/20 13:10	NMI	TAL SPK
Total/NA	Analysis	8082A		1			28355	07/29/20 19:31	NMI	TAL SPK
Total/NA	Prep	3510C			260.3 mL	2 mL	28265	07/22/20 14:31	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			28255	07/23/20 02:56	NMI	TAL SPK

Client Sample ID: MW-4
Date Collected: 07/21/20 14:10
Date Received: 07/21/20 16:05

Lab Sample ID: 590-13538-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			263.9 mL	2 mL	28322	07/27/20 13:14	NMI	TAL SPK
Total/NA	Analysis	8270E SIM		1			28316	07/27/20 16:24	NMI	TAL SPK
Total/NA	Prep	3510C			264.8 mL	2 mL	28360	07/29/20 13:10	NMI	TAL SPK
Total/NA	Analysis	8082A		1			28355	07/29/20 19:52	NMI	TAL SPK
Total/NA	Prep	3510C			261.8 mL	2 mL	28265	07/22/20 14:31	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			28255	07/23/20 03:18	NMI	TAL SPK

Lab Chronicle

Client: Spokane Environmental Solutions LLC
Project/Site: AVA Mission

Job ID: 590-13538-1

Client Sample ID: MW-5B

Date Collected: 07/21/20 13:00
Date Received: 07/21/20 16:05

Lab Sample ID: 590-13538-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270.2 mL	2 mL	28322	07/27/20 13:14	NMI	TAL SPK
Total/NA	Analysis	8270E SIM		1			28316	07/27/20 16:47	NMI	TAL SPK
Total/NA	Prep	3510C			272 mL	2 mL	28360	07/29/20 13:10	NMI	TAL SPK
Total/NA	Analysis	8082A		1			28355	07/29/20 20:13	NMI	TAL SPK
Total/NA	Prep	3510C			265 mL	2 mL	28265	07/22/20 14:31	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			28255	07/23/20 03:39	NMI	TAL SPK

Client Sample ID: Dup

Date Collected: 07/21/20 00:00
Date Received: 07/21/20 16:05

Lab Sample ID: 590-13538-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			263.5 mL	2 mL	28265	07/22/20 14:31	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			28255	07/23/20 04:00	NMI	TAL SPK

Laboratory References:

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

Accreditation/Certification Summary

Client: Spokane Environmental Solutions LLC
Job ID: 590-13538-1
Project/Site: AVA Mission

Laboratory: Eurofins TestAmerica, Spokane

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-21

Method Summary

Client: Spokane Environmental Solutions LLC
Project/Site: AVA Mission

Job ID: 590-13538-1

Method	Method Description	Protocol	Laboratory
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL SPK
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL SPK

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

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

Laboratory References:

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

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

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: GARY PANTHER	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-5716-1736.1
Client Contact: Gary Panther	Phone: 509-954-5090	E-Mail: randee.arrington@testamericainc.com		Page: Page 1 of 1
Company: Spokane Environmental Solutions LLC				Job #:
Address: 3810 E. Boone Avenue Suite #101	Due Date Requested:			
City: Spokane	TAT Requested (days): STD TAT			
State, Zip: WA, 99202				
Phone: 509-954-5090(Tel)	PO #: Purchase Order not required			
Email: gary@spokaneenvironmental.com	WO #:			
Project Name: AVA Mission	Project #: 59001518			
Site: AVA	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	NWTPH_Dx - DRO and RRO	8082A - PCBs	8270E_SIM - Polycyclic Aromatic Hydrocarbons	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	N		
MW-1A	7-21-20	1000	G	Water			X	X	X	3	
MW-2	↓	1120	↓	Water			X	X	X	3	
MW-3	↓	1500	↓	Water			X	X	X	3	
MW-4	↓	1410	↓	Water			X	X	X	3	
MW-5b	↓	1300	↓	Water			X	X	X	3	
DUP		-		Water		X	X	~~X~~	~~X~~ — Dx only GP	1	

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

590-13538 Chain of Custody

Possible Hazard Identification
☒ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For ______ Months*

Deliverable Requested: I, II, III, IV, Other (specify)
Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 7-21-20 1605	Company	Received by: Marialeroooe	Date/Time: 7/21/20 16:05	Company: TASPO
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 16.9→16.8

Ver: 01/16/2019

 7/30/2020

Login Sample Receipt Checklist

Client: Spokane Environmental Solutions LLC

Job Number: 590-13538-1

Login Number: 13538
List Number: 1
Creator: O'Toole, Maria C

List Source: Eurofins TestAmerica, Spokane

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