2018 Spokane River

Field Sampling Report

SPOKANE RIVER REGIONAL TOXICS TASK FORCE

Prepared for
SRRTTF

Prepared by
Gravity Consulting, L.L.C.
32617 SE 44th St
Fall City, Washington 98024

February 2019

TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

1. Introduction

This field sampling report provides a summary of the methods used and information gathered during the August 2018 surface water and discharger effluent sampling event for the Spokane River Regional Toxics Task Force (SRRTTF). This work was performed in support of the SRRTTF's development of a comprehensive plan to reduce toxic pollutants in the Spokane River and, specifically, to reduce polychlorinated biphenyls (PCBs). The 2018 sampling event was intended to supplement previous synoptic sampling events with the primary objectives of 1) collecting data necessary to repeat the semi-quantitative mass balance assessments previously conducted, and 2) to provide supplemental information to address gaps in understanding that exist from the prior studies.

The 2014 Sampling and Analysis Plan (SAP) (LimnoTech, 2014) is still applicable. The 2018 sampling event followed the 2018 QAPP Addendum 5 (LimnoTech, June 12, 2018) and consisted of additional dry weather sampling at eleven locations between Barker Road and below the Nine Mile Dam, including a new station downstream of the Upriver Dam. Gravity Consulting, LLC (Gravity) conducted the sampling in accordance with the procedural and analytical requirements described in the QAPP Addendum 5. Sample locations are shown on Figure 1.

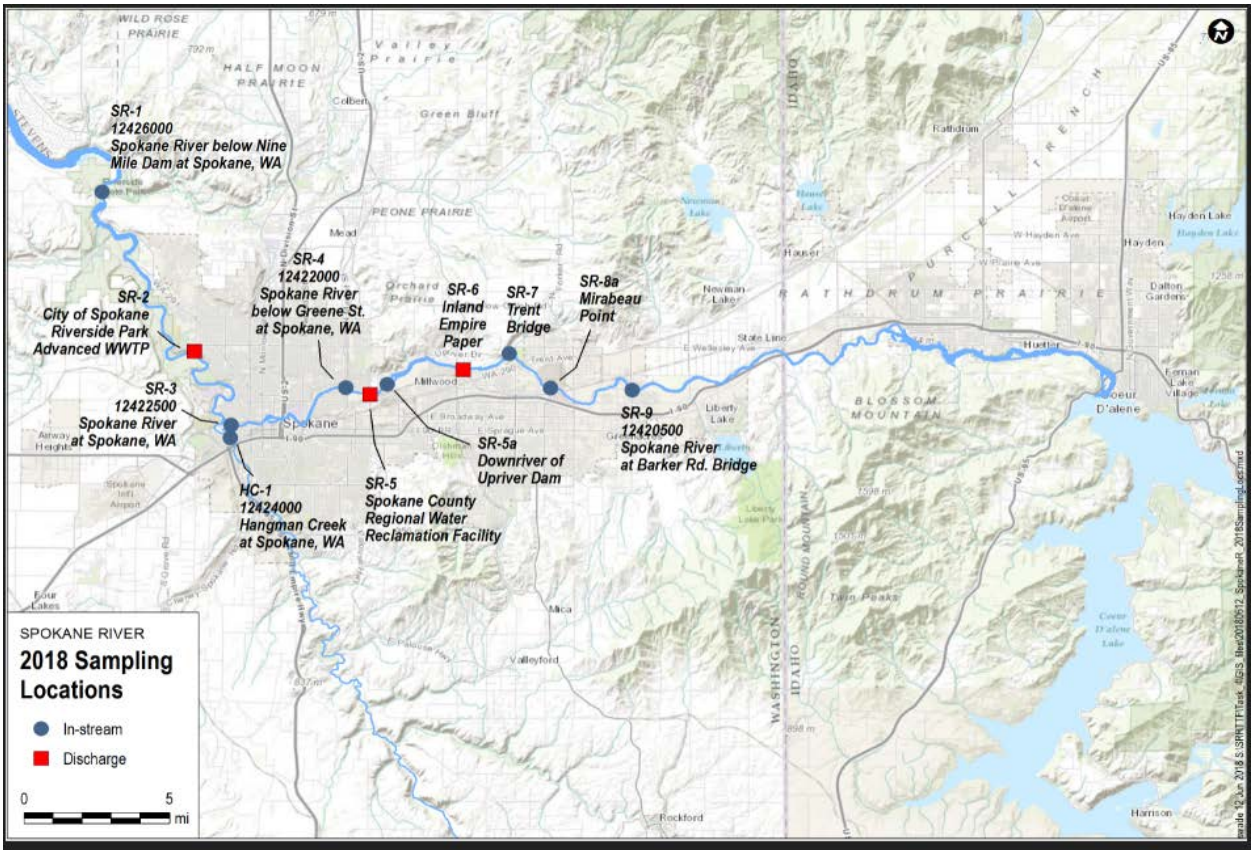

Figure 1. Spokane River and Facilities 2018 Sampling Locations Map

2. Field Sampling

Environmental specialists from Gravity led the sampling event and collected all samples during these 2018 field events. Samples were collected daily between August 4 and 8, 2018. Gravity's sampling equipment, vessels, meters, personal protective equipment (PPE), and vehicles were used to support the field event.

Surface water samples were collected daily for five consecutive days at seven locations in the Spokane River and one location in Hangman Creek. Additionally, water samples from the effluent at two municipal waste reclamation facilities and one industrial facility were collected every other day (three samples per facility). Sampling locations for 2018 included the following:

SR-1	Spokane River Below Nine Mile Dame
SR-2	City of Spokane Riverside WWTP
HC-1	Hangman Creek
SR-4	Spokane River at Greene Street Bridge
SR-5	Spokane County WRF
SR5a	Spokane River downstream of Upriver Dam (new location)
SR-6	Inland Empire Paper
SR-7	Spokane River at Below Trent Bridge
SR-8a	Spokane River at Mirabeau Point (upstream of Mirabeau Park)
SR-9	Spokane River at Barker Road Bridge

Sample locations identifiers, descriptions, and samples collected are provided in Table 1 and locations are depicted on Figure 1.

Unless otherwise noted within this report, the sample collection procedures described within this Field Report were conducted in accordance with the following planning documents referenced below:

- Sampling & Analysis Plan (SAP) (LimnoTech, 2014)
- Quality Assurance Project Plan (QAPP) Addendum 5 (LimnoTech, 2015)
- QAPP Addendum 5 (LimnoTech, 2018)
- Health and Safety and Environmental Plan (Gravity, 2014)

2.1. Surface Water Collection Methods

Gravity staff collected surface water grab samples at locations prescribed in the QAPP Addendum 5 and using methods consistent with those described in the standard operating procedures (SOPs) described in Appendix C of the SAP. Field sample collection forms are provided in Appendix A. At all surface water

sample locations, samples were collected by hand using “clean hands” and “dirty hands” methodology and direct immersion techniques. These methods reduce the likelihood of any cross-contamination from direct (e.g., handling dirty equipment) or indirect (e.g., dust or air transport) sources. An alternative sampling approach was necessary at the facilities due to access and safety (e.g., avoiding confined spaces). For these locations, a dip sampler was used to submerse the sample bottles.

All sample filtering and compositing occurred, as necessary, at the laboratories after all samples were collected. The sampling method used is further described below and additional details were provided in the SAP (LimnoTech 2014).

Direct Immersion Sampling using Modified Clean Methods – This was the preferred sampling method as it reduces the potential for confounding contamination. Clean sampling procedures, developed by the U.S. Environmental Protection Agency (USEPA) and described in EPA Document 1669 (USEPA, 1996), are designed to minimize inadvertent contamination during the collection and handling of the sample in the field as well as in the laboratory by preventing contact of the sample with other materials and minimizing exposure to the air. The modified clean method used for the Spokane River sampling is virtually identical to the clean sampling; however, not all of the personnel protective equipment was used (i.e., Tyvek was not worn due to concerns with heat and dust masks were not worn as they are intended to prevent mercury contamination). Generally, under this method, the gloved “dirty hands” sampler opens a Ziploc bag so the gloved “clean hands” sampler can reach in to grab the sample container. The “clean hands” sampler submerses the container under the water surface and then opens and closes it while submersed to avoid any potential atmospheric contamination. The sampler faces upstream during the sampling to avoid any disturbed substrate from getting in the container. The container is put back into the Ziploc by the “clean hands” sampler. Therefore, only one sampler (“clean hands”) touches the container and this sampler does not handle any other materials prior to sampling.

Dip Sampler using Modified Clean Methods – For a few effluent sample locations where safety concerns prevented direct immersion methods by hand, then a long handled dip sampler was used to immerse sample containers. As described above, the “clean” sampling procedures were also used for this method.

2.1.1. QA/QC Samples

In addition to normal grab samples, quality assurance/quality control (QA/QC) samples were collected daily. QA/QC samples included a trip blank using clean water provided by AXYS to determine whether sample procedures, equipment, or the atmosphere itself may confound the analytical results. Additionally, a blind replicate sample (i.e., duplicate) was collected during each sampling event at different locations throughout year. The blind replicates (along with corresponding normal samples) are identified in Table 2.

2.1.2. Field Measurements

Field measurements of temperature, pH, specific conductivity, turbidity, and dissolved oxygen were also collected for each sample taken. Field measurement results are presented in Table 3 and Field Parameter Logs are provided in Appendix A.

2.1.3. Flow Measurements

For locations without active stream gages, flow measurements were obtained daily in the field using a Sontek M-9 River Surveyor following the procedures outlined in Appendix A of QAPP Addendum 1 (LimnoTech, 2015). Stream flow data from in-field measurements and those obtained at active gages are presented in Table 4.

2.1.4. Sample Handling, Transport and Custody

Sample handling, transport, and custody were performed as outlined in Section 5 of the SAP. After sample containers were filled, they were packed in coolers on ice. Samples were kept in a secure vehicle and repacked in ice, as necessary, until delivery or shipment to the appropriate laboratories. Coolers were transferred to laboratories using the following shipping and chain-of-custody procedures:

- Samples were packaged and shipped in accordance with U.S. Department of Transportation regulations as specified in 49 CFR 173.6 and 49 CFR 173.24;
- Individual sample containers were packed to prevent breakage;
- The coolers were clearly labeled with detailed sample collection information (name of project, time and date container was sealed, person sealing the cooler) to enable positive identification;
- Chain-of-custody forms were enclosed in a plastic bag and placed inside lid of the cooler; and
- Signed and dated chain-of-custody seals were placed on the outside of all coolers prior to shipping.

Samples analyzed for total suspended solids, total dissolved solids, total organic carbon, and dissolved organic carbon were hand delivered by Gravity staff to the Silver Valley Analytical Laboratory (SVL) in Coeur d'Alene, Idaho. Laboratory staff delivered samples on the same day to the SVL Analytical laboratory in Kellogg, Idaho. Copies of the chain-of-custody forms are provided in Appendix B.

All archived samples were also sent to SVL Analytical for storage at <4˚C. Samples to be analyzed for low level PCBs were delivered to FedEx in Spokane, Washington for shipment to the AXYS Analytical Services (AXYS) in Sidney, British Columbia.

2.1.5. Deviations from the SAP

No deviations from the sampling plan and schedule occurred.

3. Surface Water Analytical Testing

Surface water sampling analysis was conducted in accordance with QAPP Addendum 5 The samples were analyzed for the parameters listed in Table 1. Results from the laboratory analyses were directly sent to the SRRTTF for input into a database and summarized in a report by LimnoTech.

4. Summary

The goal of 2018 sampling event was designed to collect supplemental in-stream and facility discharge data to address three gaps in understanding regarding groundwater PCB loading that exist from the prior studies:

1. The potential for groundwater loading sources between the Spokane USGS gage and Nine Mile Dam.
2. The specific nature of groundwater loading sources suspected between Trent Avenue (Plante's Ferry) and Greene Street.
3. The potential for groundwater loading sources between Barker Road and Mirabeau Point.

The data obtained during the 2018 sampling event will be used to update a mass balance assessment and to support the identification of potential PCB sources to the Spokane River ecosystem. Additionally, the data collected will provide important information to be used to make informed planning decisions for potential future field events.

5. References

Gravity Consulting, LLC. 2014. *Health and Safety and Environmental Plan*. Submitted to the Spokane River Regional Toxics Task Force (SRRTTF) on August 11, 2014.

LimnoTech. 2014. *Sampling & Analysis Plan – Spokane River Toxics Reduction Strategy Study*. Submitted to the Spokane River Regional Toxics Task Force (SRRTTF) on July 31, 2014.

LimnoTech. 2015. *Quality Assurance Project Plan – Addendum 1, Spokane River Toxics Reduction Strategy Study*. Submitted to the Spokane River Regional Toxics Task Force (SRRTTF) on August 3, 2015.

LimnoTech. 2018. *Quality Assurance Project Plan – Addendum 5, Spokane River Toxics Reduction Strategy Study*. Submitted to the Spokane River Regional Toxics Task Force (SRRTTF) on June 12, 2018.

U.S. Environmental Protection Agency (USEPA). 1996. *Method 1669: Sampling Ambient Water for Trace Metals at EPA Water Quality Levels*. July.

TABLE 1

Summary of Daily Sampling Activities and Analyses

SRRTTF - 2018 August Sampling Event

Day	Date	Primary Tasks	Locations Sampled[1]	QA Samples[2]	Lab Analysis[3]	Additional
0	8/3/2018	Mobilization to SPK				Pick up sample containers/coolers
1	8/4/2018	In-stream and discharger sampling	SR-1, SR-2, SR-3, HC-1, SR-4, SR-5, SR-5a, SR-6, SR-7, SR-8a, SR-9	1 blind replicate/1 blank	PCBs, TOC, DOC, TSS, TDS	1 archive and 1 sample for compositing collected at each location
2	8/5/2018	In-stream sampling	SR-1, SR-3, HC-1, SR-4, SR-5a, SR-7, SR-8a, SR-9	1 blind replicate/1 blank	PCBs, TOC, DOC, TSS, TDS	1 archive and 1 sample for compositing collected at each location
3	8/6/2018	In-stream and discharger sampling	SR-1, SR-2, SR-3, HC-1, SR-4, SR-5, SR-5a, SR-6, SR-7, SR-8a, SR-9	1 blind replicate/1 blank	PCBs, TOC, DOC, TSS, TDS	1 archive and 1 sample for compositing collected at each location
4	8/7/2018	In-stream sampling	SR-1, SR-3, HC-1, SR-4, SR-5a, SR-7, SR-8a, SR-9	1 blind replicate/1 blank	PCBs, TOC, DOC, TSS, TDS	1 archive and 1 sample for compositing collected at each location
5	8/8/2018	In-stream and discharger sampling	SR-1, SR-2, SR-3, HC-1, SR-4, SR-5, SR-5a, SR-6, SR-7, SR-8a, SR-9	1 blind replicate/1 blank	PCBs, TOC, DOC, TSS, TDS	1 archive and 1 sample for compositing collected at each location
6	8/9/2018	Demobilization				Final sample shipments to labs

Notes

[1] Daily in-stream flow measured in the field each surface water location

[2] Replicate and blank sent daily for analysis

[3] Additional field parameters collected daily at each location and include: temperature, conductivity, pH, dissolved oxygen

SR-1 Spokane River below Nine Mile Dam
SR-2 City of Spokane Riverside WWTP
SR-3 Spokane River at Spokane
HC-1 Hangman Creek
SR-4 Spokane River at Greene Street
SR-5 Spokane County WRF
SR-5a Spokane River downstream of Upriver Dam (new location)
SR-6 Inland Empire Paper
SR-7 Spokane River at Trent Street Bridge
SR-8a Spokane River at Mirabeau Point (upstream of Mirabeau Park)
SR-9 Spokane River at Barker Road Bridge

PCBs = polychlorinated biphenyls
TOC = total organic carbon
DOC = dissolved organic carbon
TSS = total suspended solids
TDS = total dissolved solids

TABLE 2

Summary of Blind Replicates Collected

SRRTTF - 2018 August Sampling Event

Day	Date	Day of Week	Sample ID	QA Samples
1	8/4/2018	Saturday	DUP 1	Blind replicate for SR-9
2	8/5/2018	Sunday	DUP 2	Blind replicate for SR-8a
3	8/6/2018	Monday	Duplicate 3	Blind replicate of SR-7
4	8/7/2018	Tuesday	Duplicate 4	Blind replicate of SR-5a
5	8/8/2018	Wednesday	Duplicate 5	Blind replicate of HC-1

TABLE 3
Summary of Surface Water Field Parameters
SRRTTF - 2018 August Sampling Event

Sample Location	Sample Date	Water Temperature (˚C)	pH	Specific Conductivity (µs/cm3)	Dissolved Oxygen (mg/L)
SR1	8/4/2018	17.1	8.6	222	11.3
SR1	8/5/2018	17.0	8.7	220	11.4
SR1	8/6/2018	16.9	8.6	221	11.3
SR1	8/7/2018	16.4	8.6	222	10.8
SR1	8/8/2018	16.5	8.6	223	10.9
SR2	8/4/2018	20.4	6.9	579	8.7
SR2	8/6/2018	20.3	7.0	569	8.7
SR2	8/8/2018	20.6	7.0	576	8.7
SR3	8/4/2018	15.3	8.6	196	11.3
SR3	8/5/2018	15.4	8.5	199	11.3
SR3	8/6/2018	15.5	8.6	197	11.5
SR3	8/7/2018	15.1	8.6	198	11.4
SR3	8/8/2018	15.4	8.5	196	11.4
SR4	8/4/2018	14.5	8.2	202	9.1
SR4	8/5/2018	13.9	8.3	197	9.0
SR4	8/6/2018	14.4	8.3	198	9.0
SR4	8/7/2018	13.9	8.3	197	8.8
SR4	8/8/2018	14.0	8.4	196	8.9
SR5	8/4/2018	22.2	7.8	748	7.8
SR5	8/6/2018	22.4	7.7	722	7.9
SR5	8/8/2018	22.4	8.2	639	8.4
SR5a	8/4/2018	14.6	8.2	191	8.7
SR5a	8/5/2018	14.6	8.7	187	8.3
SR5a	8/6/2018	14.9	8.2	186	8.3
SR5a	8/7/2018	15.0	8.3	188	8.6
SR5a	8/8/2018	15.1	8.3	188	8.6
SR6	8/4/2018	24.3	8.2	758	8.0
SR6	8/6/2018	23.8	8.2	650	8.3
SR6	8/8/2018	21.9	8.3	511	8.4
SR7	8/4/2018	13.7	8.2	192	9.3
SR7	8/5/2018	13.6	8.1	193	9.1
SR7	8/6/2018	13.7	8.1	193	9.1
SR7	8/7/2018	13.4	8.1	195	9.0
SR7	8/8/2018	13.4	8.2	194	8.9
SR8a	8/4/2018	10.9	8.0	222	7.9
SR8a	8/5/2018	11.9	8.1	201	8.4
SR8a	8/6/2018	10.7	8.0	226	7.9
SR8a	8/7/2018	11.9	8.1	208	8.2
SR8a	8/8/2018	12.7	8.1	194	8.4
SR9	8/4/2018	22.7	7.6	45	8.6
SR9	8/5/2018	22.8	7.7	43	8.3
SR9	8/6/2018	22.9	8.2	45	7.7
SR9	8/7/2018	23.0	7.9	45	8.1
SR9	8/8/2018	22.8	8.0	45	8.1
HC1	8/4/2018	20.5	8.8	369	11.6
HC1	8/5/2018	20.6	8.8	369	13.1
HC1	8/6/2018	21.0	8.8	369	11.5
HC1	8/7/2018	19.7	8.8	370	13.2
HC1	8/8/2018	20.7	8.8	369	13.2

TABLE 4

Summary of Stream Flows

SRRTTF - 2018 August Sampling Event

Date	Pass #1 (cfs)	Pass #2 (cfs)	Pass #3 (cfs)	Pass #4 (cfs)	Average Flow (cfs)
SR-9 Spokane River at Barker Road Bridge (via Sontek M9)					
8/4/18	243	244	--	--	**244**
8/5/18	216	224	--	--	**220**
8/6/18	234	241	--	--	**238**
8/7/18	231	238	--	--	**235**
8/8/18	265	224	--	--	**245**
SR-8a Spokane River at Mirabeau Point (via Sontek M9)					
8/4/18	700	758	723	738	**730**
8/5/18	741	642	703	702	**697**
8/6/18	743	678	653	648	**681**
8/7/18	705	737	--	--	**721**
8/8/18	707	694	--	--	**701**
SR-7 Spokane River at Trent Street Bridge (via Sontek M9)					
8/4/18	902	911	--	--	**907**
8/5/18	914	907	--	--	**911**
8/6/18	922	925	--	--	**924**
8/7/18	893	904	--	--	**899**
8/8/18	890	905	--	--	**898**
SR-5a Spokane River Downstream of Upriver Dam (via Sontek M9)					
8/4/18	862	840	--	--	**851**
8/5/18	916	895	--	--	**906**
8/6/18	851	888	--	--	**870**
8/7/18	804	817	--	--	**811**
8/8/18	836	887	828	875	**857**
SR-4 Spokane River at Greene Street (via river gage station)					
8/4/18	--	--	--	--	**1,200**
8/5/18	--	--	--	--	**1,210**
8/6/18	--	--	--	--	**1,190**
8/7/18	--	--	--	--	**1,180**
8/8/18	--	--	--	--	**1,180**
SR-3 Spokane River at Spokane (via river gage station)					
8/4/18	--	--	--	--	**1,180**
8/5/18	--	--	--	--	**1,190**
8/6/18	--	--	--	--	**1,160**
8/7/18	--	--	--	--	**1,150**
8/8/18	--	--	--	--	**1,140**
SR-1 Spokane River Below Nine Mile Dam (via river gage station)					
8/4/18	--	--	--	--	**1,480**
8/5/18	--	--	--	--	**1,480**
8/6/18	--	--	--	--	**1,510**
8/7/18	--	--	--	--	**1,490**
8/8/18	--	--	--	--	**1,430**
HC1 - Hangman Creek (via river gage station)					
8/4/18	--	--	--	--	**26.7**
8/5/18	--	--	--	--	**26.3**
8/6/18	--	--	--	--	**27.2**
8/7/18	--	--	--	--	**26.3**
8/8/18	--	--	--	--	**23.5**

APPENDIX A – FIELD PARAMETER LOGS

Field Log Sheet

StationID: SR1	Personnel (initials):	PJ JS	Photo Descriptions
Date: 8/4/18			
Arrival Time: 1600			
Departure Time: 1640			

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog (Smoky) Hazy

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: (Colorless) Green Yellow Brown Other :

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	17.08	8.63	222.4		11.3	2.0	1.0	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes:

Data Recorder Initials:

Wastewater Treatment

Field Log Sheet

StationID:	Personnel (initials):	PT OS	Photo Descriptions
Date: 8/4/18			
Arrival Time :			
Departure Time:			

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: **NA** **Clear** **Partly Cloudy** **Overcast** **Fog** **Smoky** **Hazy**

PRECIPITATION: **NA** **None** **Fog** **Drizzle** **Rain** **Snow**

WATERCOLOR: **Colorless** **Green** **Yellow** **Brown** **Other** :_____

WATERODOR: **None** **Sulfides** **Sewage** **Petroleum** **Mixed** **Decay** **Other** :_____

SITE ODOR: **None** **Sulfides** **Sewage** **Petroleum** **Smoke** **Other** :_____

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	20.36	6.93	578.6		8.71	2.0	1.0	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

Consulting LLC

Field Log Sheet

StationID: SR3
Date: 08/04/18
Arrival Time: 1750
Departure Time:

Personnel (initials): PJ JSJS CB

Photo Descriptions

Positioning
GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky (Hazy)

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: (Colorless) Green Yellow Brown Other :_____

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :_____

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :_____

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	15.28	8.56	145.8		11.3	2.0	1.0	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

GREEN ST.

Field Log Sheet

StationID:	Personnel (initials):	KT JS JS	Photo Descriptions
Date:			
Arrival Time :			
Departure Time:			

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky (Hazy)

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: (Colorless) Green Yellow Brown Other :

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	14.5	8.23	201,8		9.06	3.0	1.0	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

Field Log Sheet

StationID: S25 Date: 8/4/16 Arrival Time: Departure Time:	Personnel (initials): GS PJ	Photo Descriptions

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky (Hazy)

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: Colorless Green Yellow Brown Other :

WATERODOR: None Sulfides Sewage Petroleum Mixed Decay Other :

SITE ODOR: None Sulfides Sewage Petroleum Smoke Other : CHLORINE

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	22.16	7.76	747.8		7.83	?	1.0	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

Field Log Sheet

StationID: SR5A
Date: 8/4/18
Arrival Time :
Departure Time:

Personnel (initials): JJ/PS

Photo Descriptions

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog ~~Smoky~~ Hazy 2

PRECIPITATION: NA None Fog Drizzle Rain Snow

WATERCOLOR: ~~Colorless~~ 2 Green Yellow Brown Other :_____

WATERODOR: None Sulfides Sewage Petroleum Mixed Decay Other :_____

SITE ODOR: ~~None~~ 2 Sulfides Sewage Petroleum Smoke Other :_____

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	14.6	8.18	191.0		8.67			
Instrument:								
Calib. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

Inland

Spokane PCBs

GRAVITY Consulting LLC

Field Log Sheet

StationID: SR6 Date: 8/4/18 Arrival Time: 0750 Departure Time:	Personnel (initials): SS / AJ	Photo Descriptions

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog ~~Smoky~~ Hazy

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: Colorless Green Yellow ~~Brown~~ Other :

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Specific Conductivity (uS/cm)	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	24.3	8.15	758.1		8.02		1.0	
Instrument:								
Calib. Date:		8/4/18						

Sample Location Description:

Notes:

Data Recorder Initials: _____

Field Log Sheet

StationID: SR-7	Personnel (initials):	JS/PJ	Photo Descriptions
Date: 8/4/18			
Arrival Time :			
Departure Time:			

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog (Smoky) Hazy

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: (Colorless) Green Yellow Brown Other :_____

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :_____

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :_____

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	13.74	8.17	182		9.34	3	2	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

Field Log Sheet

StationID: SR8A	Personnel (initials):	JS/PJ	Photo Descriptions
Date: 8/4/18			
Arrival Time:			
Departure Time:			

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog (Smoky) Hazy

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: (Colorless) Green Yellow Brown Other : _____

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other : _____

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other : _____

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	10.9	8.02	422.1		7.87	3.0	1.0	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

Field Log Sheet

StationID: SR9
Date: 8/4/18
Arrival Time: 0900
Departure Time: 1015

Personnel (initials): JB/PJ

Photo Descriptions

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky (Hazy)

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: (Colorless) Green Yellow Brown Other :

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	22.7	7.6	44.9		8.58	4.0	1.0	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

Consulting LLC

Field Log Sheet

StationID: ~~[illegible]~~ HC1	Personnel (initials):	PJ JS JS	Photo Descriptions
Date: 08/04/16			
Arrival Time: 1710			
Departure Time:			

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: **NA** **Clear** **Partly Cloudy** **Overcast** **Fog** **Smoky** **Hazy**

PRECIPITATION: **NA** **None** **Fog** **Drizzle** **Rain** **Snow**

WATERCOLOR: **Colorless** **Green** **Yellow** **Brown** **Other** :_____

WATERODOR: **None** **Sulfides** **Sewage** **Petroleum** **Mixed** **Decay** **Other** :_____

SITE ODOR: **None** **Sulfides** **Sewage** **Petroleum** **Smoke** **Other** :_____

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	20.53	8.78	368.6		11.64	1.5	1.0	
Instrument.								
Calib. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

Field Log Sheet

StationID: SR1
Date: 8/5/13
Arrival Time: 1330
Departure Time: 1405

Personnel (initials): PS/SC

Photo Descriptions

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA (Clear) Partly Cloudy Overcast Fog Smoky Hazy

PRECIPITATION: (NA) None Fog Drizzle Rain Snow

WATERCOLOR: (Colorless) Green Yellow Brown Other :

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	17.0	8.65	220.3		11.40	2	1	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes:

Data Recorder Initials: _____

Field Log Sheet

StationID: SR3	Personnel (initials):	SS / PS	Photo Descriptions
Date: 8/5/12			
Arrival Time: 1500			
Departure Time: 1520			

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: **NA** **Clear** **Partly Cloudy** **Overcast** **Fog** **Smoky** **Hazy**

PRECIPITATION: **NA** **None** **Fog** **Drizzle** **Rain** **Snow**

WATERCOLOR: **Colorless** **Green** **Yellow** **Brown** **Other** :_____

WATERODOR: **None** **Sulfides** **Sewage** **Petroleum** **Mixed** **Decay** **Other** :_____

SITE ODOR: **None** **Sulfides** **Sewage** **Petroleum** **Smoke** **Other** :_____

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	15.4	7.54	198.5		11.29			
Instrument:								
Calib. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

Field Log Sheet

StationID: SR4 Date: 8/5/15 Arrival Time: 1147 Departure Time: 1210	Personnel (initials):	JD RS	Photo Descriptions

Positioning

GPS Device: Trimble DGPS
Datum: WGS84

Lat :
Long :

Associated Flow Gage ID:

Gage Flow (cfs):

Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky Hazy

PRECIPITATION: NA None Fog Drizzle Rain Snow

WATERCOLOR: Colorless Green Yellow Brown Other :_____

WATERODOR: None Sulfides Sewage Petroleum Mixed Decay Other :_____

SITE ODOR: None Sulfides Sewage Petroleum Smoke Other :_____

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	13.9	8.25	197.3		8.95	3	1.5	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

Consulting LLC

Field Log Sheet

StationID: SR5A	Personnel (initials):	PJ/JS	Photo Descriptions
Date: 8/5/18			
Arrival Time: 1140			
Departure Time: 1410			

Positioning

GPS Device: Trimble DGPS
Datum: WGS84

Lat :
Long :

Associated Flow Gage ID:

Gage Flow (cfs):

Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky (Hazy)

PRECIPITATION: (NA) None Fog Drizzle Rain Snow

WATERCOLOR: ~~Colorless~~ Green Yellow Brown Other :

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	14.6	8.65	187.0		8.29	3	1	
Instrument:								
Calib. Date.								

Sample Location Description:

Notes:

Data Recorder Initials:

Field Log Sheet

StationID: SR7	Personnel (initials):	SS/PJ	Photo Descriptions
Date: SPG 8/5/18			
Arrival Time: 1020			
Departure Time: 1100			

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky Hazy

PRECIPITATION: NA None Fog Drizzle Rain Snow

WATERCOLOR: ~~Colorless~~ Green Yellow Brown Other :_____

WATERODOR: ~~None~~ Sulfides Sewage Petroleum Mixed Decay Other :_____

SITE ODOR: None Sulfides Sewage Petroleum Smoke Other :_____

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	13.6	8.13	192.6		9.09			
Instrument:								
Calib. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

Field Log Sheet

StationID: 8a	Personnel (initials):		Photo Descriptions
Date: 8/5/18			
Arrival Time: 0910			
Departure Time:			

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky (Hazy)

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: (Colorless) Green Yellow Brown Other :_____

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :_____

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :_____

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	11.92	8.07	200.5		8.35	3	1	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

Field Log Sheet

StationID: SR9
Date: 8/5/18
Arrival Time: 0800
Departure Time:

Personnel (initials): PS JSJS CB

Photo Descriptions

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky (Hazy)

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: (Colorless) Green Yellow Brown Other :

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	22.79	7.68	42.9		8.3	3	1	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes:

Data Recorder Initials:

Consulting LLC

Field Log Sheet

StationID: HC 1
Date: 8/5/19
Arrival Time: 1425
Departure Time: 1445

Personnel (initials): SS/PS

Photo Descriptions

Positioning
GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky Hazy
PRECIPITATION: NA None Fog Drizzle Rain Snow
WATERCOLOR: Colorless Green Yellow Brown Other :
WATERODOR: None Sulfides Sewage Petroleum Mixed Decay Other :
SITE ODOR: None Sulfides Sewage Petroleum Smoke Other :
OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	26.57	8.77	369.3		13.08			
Instrument:								
Calib. Date:								

Sample Location Description:

Notes:

Data Recorder Initials: _____

Field Log Sheet

StationID: SR1	Personnel (initials):	PT	Photo Descriptions
Date: 8/6/18			
Arrival Time :			
Departure Time: 1618			

Positioning

GPS Device: Trimble DGPS

Datum: WGS84

Lat :

Long :

Associated Flow Gage ID:

Gage Flow (cfs):

Comments:

Habitat Observations

SKY CODE: NA **Clear** Partly Cloudy Overcast Fog Smoky Hazy

PRECIPITATION: NA None Fog Drizzle Rain Snow

WATERCOLOR: Colorless Green Yellow Brown Other :

WATERODOR: None Sulfides Sewage Petroleum Mixed Decay Other :

SITE ODOR: None Sulfides Sewage Petroleum Smoke Other :

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	16.92	8.64	220.6		11.29	2	1	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes:

Data Recorder Initials: _____

Field Log Sheet

StationID: SR2
Date: 8/6/18
Arrival Time :
Departure Time: 1530

Personnel (initials):

Photo Descriptions

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky (Hazy)
PRECIPITATION: NA (None) Fog Drizzle Rain Snow
WATERCOLOR: (Colorless) Green Yellow Brown Other :
WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :
SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :
OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	20.27	7.0	568.7		8.72			
Instrument:								
Calib. Date:								

Sample Location Description:

Notes:

Data Recorder Initials:

Field Log Sheet

StationID: SR 3	Personnel (initials):	PT	Photo Descriptions
Date: 3/6/18			
Arrival Time :			
Departure Time: 1655			

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky (Hazy)

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: (Colorless) Green Yellow Brown Other :_____

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :_____

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :_____

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	15.5	8.59	197.1		11.49	2	1	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

GREENE ST.

Consulting LLC

Field Log Sheet

StationID: SR-3	Personnel (initials):	RJ JS	Photo Descriptions
Date: 8/6/18			
Arrival Time :			
Departure Time:			

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky (Hazy)

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: (Colorless) Green Yellow Brown Other :

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	14.4	8.31	198.4		8.99			
Instrument:								
Calib. Date:								

Sample Location Description:

Notes:

Data Recorder Initials: _____

Field Log Sheet

StationID: SRS	Personnel (initials):	PJ JS	Photo Descriptions
Date: 8/6/18			
Arrival Time:			
Departure Time:			

Positioning

GPS Device: Trimble DGPS

Datum: WGS84

Lat :

Long :

Associated Flow Gage ID:

Gage Flow (cfs):

Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky (Hazy)

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: (Colorless) Green Yellow Brown Other :

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	22.4	7.70	722.2		7.86			
Instrument:								
Calib. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

Boise River - Idaho
NPDES - POBs

BRAYTON

Page ___ of ___

UPPER DR.

Log Sheet

StaCode: SR-5-A
Date: 8/4/13
Arrival Time:
Departure Time:
Lat:
Long:
GPS Device: Trimble DGPS
Datum: WGS84
Lat:
Long:
Associated Flow Gage ID:
Gage Flow (cfs):
Observers:

Personnel:
Initials:

Photo Descriptions:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky (Haze)
PRECIPITATION: NA None Fog Drizzle Rain Snow
WATERCOLOR: Colorless Green Yellow Brown Other
WATERODOR: None Sulfides Sewage Petroleum Mixed Decay Other
SITE ODOR: None Sulfides Sewage Petroleum Smoke Other
OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Specific Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Water Depth (ft)	Dist. from Bank (ft)	Comments
Measurement	14.9	8.23	186.0		8.34	3	1	
Instrument:								
Calib. Date:								

Site Location Description

Notes:

Data Recorder Initials: _____

Project: Upper Clear Creek - Idaho
NPDES - PCBs

BRAYTON POINT

Field Log Sheet

Station ID: SK 6
Date: 8/3/10
Arrival Time:
Departure Time:
Crew: TJ, JD
GPS Device: Trimble DGPS
Datum: WGS 84
Lat:
Lon:
Associated Flow Gage ID:
Gage's Flow (cfs):
Observations:

Personnel: SK, TT
Initials:

Aerial Descriptions




Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoke ~~Haze~~

PRECIPITATION: NA None Fog Drizzle Rain Snow

WATERCOLOR: Colorless Brown Yellow Green Other:

WATER ODOR: None Sulfides Sewage Petroleum Mixed Decay Other:

SITE ODOR: None Sulfides Sewage Petroleum Smoke Other:

OTHER OBSERVATIONS:

Field Measurements

Date: Time:

PARAMETER	Water Temp (°C)	pH	Specific Conductivity (uS/cm)	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	23.2	7.16	6195		8.26			
Instrument:								
Calib. Date:								

Station Location Description:

Notes:

Data Recorder Initials: _____

Consulting LLC

Plank Park

Field Log Sheet

StationID:	Personnel (initials):		Photo Descriptions
Date: 8/6/18			
Arrival Time:			
Departure Time:			

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky (Hazy)

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: (Colorless) Green Yellow Brown Other :_____

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :_____

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :_____

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	~~13.94~~	8.13	193.1		9.1	3	1	
Instrument:	13.69							
Calib. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

Field Log Sheet

StationID: 8a
Date: 8/6/18
Arrival Time:
Departure Time:

Personnel (initials): PJ JS CB

Photo Descriptions

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky (Hazy)

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: (Colorless) Green Yellow Brown Other :

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	10.65	8.04	226.3		7.9	3	1	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes:

Data Recorder Initials:

St. Joe River - Idaho
NPDES - PCBs

GRAVITY Consulting LLC

Field Log Sheet

Station ID: SJ-2
Date: 9/6/18
Arrival Time:
Departure Time:

Personnel: SS / PS
Initials:

Photo Descriptions

GPS Device: Trimble DGPS
Datum: WGS84
Lat:
Long:
Associated Flow Gage ID:
Gage Flow (cfs):
Ochlockets:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky Hazy

PRECIPITATION: NA None Fog Drizzle Rain Snow

WATERCOLOR: Colorless Green Yellow Brown Other

WATERODOR: None Sulfides Sewage Petroleum Mixed Decay Other

SITE ODOR: None Sulfides Sewage Petroleum Smoke Other

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Specific Conductivity (uS/cm)	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Conditions
Measurement	21.9	8.2	415		7.7		1	
Instrument								
Calib. Date								

Station Location Description:

Notes:

Data Recorder Initials: _____

Field Log Sheet

StationID: H-CH	Personnel (initials):	PJ	Photo Descriptions
Date: 8/6/18			
Arrival Time :			
Departure Time: 1630			

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky (Hazy)
PRECIPITATION: NA (None) Fog Drizzle Rain Snow
WATERCOLOR: (Colorless) Green Yellow Brown Other :
WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :
SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :
OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	21.0	8.77	369.0		11.54	1	0.5	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

Field Log Sheet

StationID: SR-1	Personnel (initials): RTO JS CB	Photo Descriptions
Date: 8/7/18		
Arrival Time: 1150		
Departure Time: 1215		

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: **NA** **Clear** **Partly Cloudy** **Overcast** **Fog** **Smoky** **Hazy**

PRECIPITATION: **NA** **None** **Fog** **Drizzle** **Rain** **Snow**

WATERCOLOR: **Colorless** **Green** **Yellow** **Brown** **Other** :_____

WATERODOR: **None** **Sulfides** **Sewage** **Petroleum** **Mixed** **Decay** **Other** :_____

SITE ODOR: **None** **Sulfides** **Sewage** **Petroleum** **Smoke** **Other** :_____

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	16.4	8.57	221.6		10.83	2	1	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

Consulting LLC

Field Log Sheet

StationID: SR 3	Personnel (initials):	RJ JSJS CB	Photo Descriptions
Date: 8/7/18			
Arrival Time: 1325			
Departure Time:			

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog (Smoky) Hazy

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: (Colorless) Green Yellow Brown Other :

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	15.1	8.55	198.1		11.4			
Instrument:								
Calib. Date								

Sample Location Description:

Notes:

Data Recorder Initials:

Field Log Sheet

StationID: SR-4
Date: 8/7/18
Arrival Time: 1050
Departure Time: 1115

Personnel (initials): PJ JSJS CB

Photo Descriptions

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky Hazy

PRECIPITATION: NA None Fog Drizzle Rain Snow

WATERCOLOR: Colorless Green Yellow Brown Other :

WATERODOR: None Sulfides Sewage Petroleum Mixed Decay Other :

SITE ODOR: None Sulfides Sewage Petroleum Smoke Other :

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	13.9	8.32	196.5		8.84	3	1	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes:

Data Recorder Initials:

Consulting LLC

Field Log Sheet

StationID: 5a Date: 8/7/18 Arrival Time: 1016 Departure Time: 1045	Personnel (initials):	PJ JBS CB	Photo Descriptions

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA **Clear** Partly Cloudy Overcast Fog (Smoky) Hazy

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: (Colorless) Green Yellow Brown Other :

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	15.0	8.25	188.2		8.56	3	1	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes:

Data Recorder Initials:

Field Log Sheet

StationID: 7
Date: 8/7/18
Arrival Time: 935
Departure Time: 1000

Personnel (initials): PS JS CB

Photo Descriptions

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA **Clear** Partly Cloudy Overcast Fog (Smoky) Hazy

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: (Colorless) Green Yellow Brown Other :

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	13.4	8.14	194.6		8.96	3	1	
Instrument:								
Calib. Date:								

Sample Location Description:

Some ASH observed on water surface

Notes: _____

Data Recorder Initials: _____

Field Log Sheet

StationID: 8a

Date: 8/7/18

Arrival Time: 0830

Departure Time: 0905

Personnel (initials): RJ JS CD

Photo Descriptions

W N S E

Positioning

GPS Device: Trimble DGPS

Datum: WGS84

Lat :

Long :

Associated Flow Gage ID:

Gage Flow (cfs):

Comments:

W N S E

W N S E

W N S E

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog (Smoky) Hazy

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: (Colorless) Green Yellow Brown Other :

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	11.9	8.07	207.6		8.17	3	1	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

BARKER

Field Log Sheet

StationID: SR 9	Personnel (initials):	PJ JS CB	Photo Descriptions
Date: 08 07 18			
Arrival Time: 0730			
Departure Time: 0820			

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog (Smoky) Hazy

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: ~~Odorless~~ Green Yellow Brown Other :

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	23.0	7.92	45.2		8.07	3	1	
Instrument:								
Calib. Date:								

Sample Location Description:

Notes:

Data Recorder Initials: _____

Spokane PCBs

GRAVITY Consulting LLC

Field Log Sheet

StationID: HC 1
Date: 8/7/18
Arrival Time: 1200
Departure Time: 1220

Personnel (initials): PJ JSJS CB

Photo Descriptions

Positioning

GPS Device: Trimble DGPS
Datum: WGS84
Lat :
Long :
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog (Smoky) Hazy

PRECIPITATION: NA (None) Fog Drizzle Rain Snow

WATERCOLOR: (Colorless) Green Yellow Brown Other :

WATERODOR: (None) Sulfides Sewage Petroleum Mixed Decay Other :

SITE ODOR: (None) Sulfides Sewage Petroleum Smoke Other :

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Conductivity	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement 25	15.5	8.76	369.6		13.19			
Instrument:	19.7							
Calib. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

BRAVO

Field Log Sheet

Station ID: SR1
Date: 8/8/18
Arrival Time: 1205
Departure Time: 1225

Personnel (Initials): JS JS CB

Photo Descriptions

GPS Device: Trimble DGPS
Datum: WGS84
Lat:
Long:
Associated Flow Gage ID:
Gage Flow (cfs):
Calibrations:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoke Hazy

PRECIPITATION: NA Rain Fog Drizzle Sleet Snow

WATERCOLOR: Colorless Green Yellow Brown Other:

WATERODOR: None Sulfides Sewage Petroleum Mixed Decay Other:

SITE ODOR: None Sulfides Sewage Petroleum Smoke Other:

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Specific Conductivity (µS/cm)	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	16.53	8.56	223.3		10.86			
Instrument:								
Calib. Date:								

Sample Location Description:

Notes:

Data Recorder Initials:

Field Log Sheet

Station ID: SR 2

Date: 8/8/18

Arrival Time: 1345

Departure Time: 1400

Personnel (Initials): PJ JS JS CB

Photo Descriptions

GPS Device: Trimble DGPS

Datum: WGS84

Lat:

Long:

Associated Flow Gage ID:

Gage Flow (cfs):

Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoke Hazy

PRECIPITATION: NA None Fog Drizzle Rain Snow

WATERCOLOR: None Green Yellow Brown Other:

WATERODOR: None Sulfides Sewage Petroleum Mixed Decay Other:

SITE ODOR: None Sulfides Sewage Petroleum Smoke Other:

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Specific Conductivity (uS/cm)	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	20.58	7.04	576.4		8.65			
Instrument:								
Cal'd. Date:								

Sketch Location Description:

Notes:

Data Recorder Initials: _____

Snake River - Idaho
NPDES - PCBs

GRAVITY Environmental

Page ___ of ___

Field Log Sheet

Site/MID:	SR 3
Date:	8/8/18
Arrival Time:	1445
Departure Time:	1500
Personnel (initials):	JT JSJS CB
GPS Device:	Trimble DGPS
Datum:	WGS84
Lat:	
Long:	
Associated Flow Gage ID:	
Gage's Flow (cfs):	
Comments:	

Field Descriptions

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Rainy Rainy

PRECIPITATION: NA None Fog Drizzle Rain Snow

WATERCOLOR: Colorless Green Yellow Brown Other

WATER ODOR: None Sulfides Sewage Petroleum Mixed Decay Other

SITE ODOR: None Sulfides Sewage Petroleum Smoke Other

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Specific Conductivity (µS/cm)	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	15.43	8.54	196.1		11.44	2	1	
Instrument:								
Calib. Date:								

Sketch Location Description

Notes:

Data Recorder Initials: _____

Field Log Sheet

StationID: SR 4 Date: 8/8/18 Arrival Time: 1045 Departure Time: 1105	Personnel (Initials): RJ DSS CB	Photo Descriptions
Datum: NAD GPS Device: Trimble DGPS Datum: W. 2554 Lat: Long: Associated Flow Gage ID: Gage Flow (cfs): Comments:		

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog (Smoky) Hazy

PRECIPITATION: NA None Fog Drizzle Rain Snow

WATERCOLOR: Colorless Green Yellow Brown Other:

WATERODOR: None Sulfides Sewage Petroleum Mixed Decay Other:

SITE ODOR: None Sulfides Sewage Petroleum Smoke Other:

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Specific Conductivity (uS/cm)	Turbidity (nfu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	14.01	8.36	196.1		8.90			
Instrument:								
Calib. Date:								

Sketch Location Description:

Notes:

Data Recorder Initials: _____

Pend Oreille River - Idaho
NPDES - PCBs

GRAVITY Consulting LLC

County

Field Log Sheet

StationID: SR-5 Date: 8/8/18 Arrival Time: 1110 Departure Time: 1130	Personnel (Initials): PJ JSJS CB	Photo Descriptions
GPS Device: Trimble DGPS Datum: WGS84 Lat: Long: Associated Flow Gage ID: Gage Flow (cfs): Observers:		

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky Hazy

PRECIPITATION: NA None Fog Drizzle Rain Snow

WATERCOLOR: Colorless Green Yellow Brown Other: ___

WATERODOR: None Sulfides Sewage Petroleum Mixed Decay Other: ___

SITE ODOR: None Sulfides Sewage Petroleum Smoke Other: ___

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Specific Conductivity (uS/cm)	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	22.4	8.22	639.2		8.43			
Instrument:								
Calib. Date:								

Station Location Description:

Notes: ___

Data Recorder Initials: ___

Field Log Sheet

Station ID: 5a	Personnel: PJ JSJSCB	Field Descriptions
Date: 8/8/18	(initials):	
Arrival Time: 1015		
Departure Time: 1040		
Station Type:		
GPS Device: Trimble DGPS		
Datum: W 3934		
Lat:		
Long:		
Associated Flow Gage ID:		
Gage Flow (cfs):		
Comments:		

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky Hazy

PRECIPITATION: NA None Fog Drizzle Rain Snow

WATER COLOR: None Green Yellow Brown Other:

WATER ODOR: None Sulfides Sewage Petroleum Mixed Decay Other:

SITE ODOR: None Sulfides Sewage Petroleum Smoke Other:

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Specific Conductivity (uS/cm)	Turbidity (nfu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	15.05	8.30	188.3		8.59			
Instrument:								
Cal'd. Date:								

Sample Location Description:

Notes: _____

Data Recorder Initials: _____

Pend Oreille River - Idaho
NPDES - PCBs

GRAVITY Consulting LLC

Field Log Sheet

StationID: 7
Date: 8/8/18
Arrival Time: 0915
Departure Time: 0935

Personnel (Initials): PTJSTSCB

Photo Descriptions

Datum: NAD83
GPS Device: Trimble DGPS
Datum: WGS84
Lat:
Long:
Associated Flow Gage ID:
Gage Flow (cfs):
Ob#/Hawks:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Rainy Hazy
PRECIPITATION: NA None Fog Drizzle Rain Snow
WATERCOLOR: Colorless Green Yellow Brown Other:
WATERODOR: None Sulfides Sewage Petroleum Mixed Decay Other:
SITE ODOR: None Sulfides Sewage Petroleum Smoke Other:
OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Specific Conductivity (uS/cm)	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	13.35	8.16	194.0		8.87			
Instrument:								
Calib. Date:								

Station Location Description:

Notes:

Data Recorder Initials: _____

Pend Oreille River - Idaho
NPDES - PCBs

GRAVITY Consulting LLC

Inland

Field Log Sheet

Station ID: JR 6
Date: 8/8/18
Arrival Time: 0945
Signature Time:

Personnel (initials):

Public Descriptions

Facility Area:
GPS Device: Trimble DGPS
Datum: WGS84
Lat:
Long:
Associated Flow Gage ID:
Gage Flow (cfs):
Cell/Phone #s:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoky Hazy

PRECIPITATION: NA None Fog Drizzle Rain Snow

WATER COLOR: Colorless Green Yellow Brown Other:

WATER ODOR: None Sulfides Sewage Petroleum Mixed Decay Other:

SITE ODOR: None Sulfides Sewage Petroleum Smoke Other:

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Specific Conductivity (uS/cm)	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	21.9	8.29	511.0		8.38			
Instrument								
Calib. Date								

Sample Location Description:

Less flow than previous samples

Notes:

Data Recorder Initials: _____

Field Log Sheet

Station ID: 8a
Date: 8/8/18
Arrival Time: 0815
Departure Time: 0840
Personnel: PJ JS CB
Initials:
Photo Descriptions:
Field Book ID:
GPS Device: Trimble DGPS
Datum: WGS84
Lat:
Long:
Associated Flow Gage ID:
Gage Flow (cfs):
QC Samples:

Physical Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Rain Rainy

PRECIPITATION: NA None Fog Drizzle Rain Snow

WATERCOLOR: Colorless Green Yellow Brown Other:

WATERODOR: None Sulfides Sewage Petroleum Mixed Decay Other:

SITE ODOR: None Sulfides Sewage Petroleum Smoke Other:

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Specific Conductivity uSiem	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	12.66	8.08	194.2		8.37			
Instrument								
Cal'd Date								

Sample Location Description

Notes:

Data Recorder Initials: _____

GRAVITY Consulting LLC

Log Sheet

Station ID: 9

Personnel (initials): PJ JS CB

Date: 8/8/18

Arrival Time: 0730

Departure Time: 0755

Photo Descriptions

Coordinates
GPS Device: Trimble DGPS
Datum: W 3884
Lat:
Long:

Associated Flow Gage ID:

Gage Flow (cfs):

Comments:

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoke Haze

PRECIPITATION: NA None Fog Drizzle Rain Snow

WATER COLOR: Colorless Green Yellow Brown Other:

WATER ODOR: None Sulfides Sewage Petroleum Mixed Decay Other:

SITE ODOR: None Sulfides Sewage Petroleum Smoke Other:

OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Specific Conductivity (uS/cm)	Turbidity (ntu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	22.8	7.95	44.9		8.05			
Instrument								
Calib. Date								

Station Location Description:

Notes:

Data Recorder Initials: _____

Pend Oreille River - Idaho
NPDES - PCBs

GRAVITY Consulting LLC

Field Log Sheet

StaffInitials: HC1
Date: 8/8/18
Arrival Time: 1415
Departure Time:
Log File: .dpg
GPS Device: Trimble DGPS
Datum: WGS84
Lat:
Long:
Associated Flow Gage ID:
Gage Flow (cfs):
Comments:

(Personnel) Initials: PJ JE JS CB

Photo Descriptions

Habitat Observations

SKY CODE: NA Clear Partly Cloudy Overcast Fog Smoke Hazy
PRECIPITATION: NA None Fog Drizzle Rain Snow
WATERCOLOR: Colorless Green Yellow Brown Other:
WATERODOR: None Sulfides Sewage Petroleum Mixed Decay Other:
SITE ODOR: None Sulfides Sewage Petroleum Smoke Other:
OTHER OBSERVATIONS:

Field Measurements

PARAMETER	Water Temp (°C)	pH	Specific Conductivity (uS/cm)	Turbidity (nfu)	DO (mg/L)	Water Depth (ft)	Depth of measurement (ft)	Comments
Measurement	20.7	8.84	369.0		13.19			
Instrument:								
Calib. Date:								

Sketch Location Description:

Notes:

Data Recorder Initials: _____

Spokane PCBs

GRAVITY Consulting LLC

SERIAL # of Instrument: 14m 101278
13D10 1540

		CONDUCTIVITY			DISSOLVED OXYGEN (LDO)			pH				Turbidity	
Date	Time (24 Hour)	Initial (µS/cm)	Final (µS/cm)	Temp. (°C)	BP (mm Hg)	Initial DO ~~%~~ ~~(mg/L)~~	Final DO ~~%~~ ~~SAT~~ (mg/L)	Initial pH 4.0	Final pH 4.0	Initial pH 10	Final pH 10	Initial NTU	Final NTU
08/04/18 14m	0945	1731.6	1413.0	22.429	762.76	102.7	100.3						
13D1 01540 8/04/18	0830	1695.6	1413	22.69	762.0	96.9	100.3	3.99 ~~10.01~~	4.0 ~~10.01~~	9.47 ~~10.01~~	10.06 ~~10.01~~		

Luminescent Dissolved Oxygen Calibration Method (circle one):

Air-Saturated Water Winkler Water-Saturated Air

Source of Barometric Pressure[1] (BP) _____

Barometric Pressure corrected for altitude[2]: Yes N/Ap (circle one)

Depth calibrated at all locations (circle one): Yes N/Ap (circle one)

Calibration Standard: 1413 µS/cm
Lot # 7B132 Exp. Date: 10/18

pH
Lot # _____ Exp. Date: _____

Turbidity
Lot# _____ Exp. Date: _____

NOTES: _____

[1] Enter date & local BP (inches of Hg) at the time of calibrationin the notes (e.g.-5/29/97 BP=29.90")

APPENDIX B – CHAIN-OF-CUSTODY FORMS

SGS AXYS

CHAIN OF CUSTODY

2045 Mills Road West TEL: (250) 655-5800 TOLL FREE 1-888-373-0881
Sidney, British Columbia, Canada V8L 5X2 FAX: (250) 655-5811

SGS AXYS CLIENT #:

REPORT TO:		INVOICE TO:	
Company	Kaiser Aluminum	Company	SRRTTF - ACE
Address	PO Box ~~3965~~ 3565 SPOKANE, WA 99220	Address	SAME AS REPORT TO
Contact	Bud Leber	Contact	
Phone	509 927 6554	Phone	
FAX		FAX	
E-mail	BUD.LEBER@KAISERTWD.com	E-mail	
Project Name/Number:		Sampler's Name:	Jeff Schat
		Signature:	

Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	SGS AXYS Lab Sample ID (Lab use only)	ANALYSIS REQUESTED: PCB Congeners
SR6-080418-0815	SW	8/4/18	0815	2L/1		X
SR6-080418-0815-C	SW	8/4/18	0815	1L/1		X
BLANK 1	SW	8/4/18	0825	2L/1		X
DUP 1	SW	8/4/18	0940	2L/1		X
SR9-080418-1015	SW	8/4/18	1015	2L/1		X
SR9-080418-1015-C	SW	8/4/18	1015	1L/1		X
SR8A-080418-1050	SW	8/4/18	1050	2L/1		X
SR8A-080418-1050-C	SW	8/4/18	1050	1L/1		X
SR7-080418-1145	SW	8/4/18	1145	2L/1		X
SR7-080418-1145-C	SW	8/4/18	1145	2L/1		X
SR5A-080418-~~1149~~ 1255	SW	8/4/18	1255	2L/1		X

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
	8/6/18	0930			
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Courier	Waybill No.

Remarks

Sample Receipt	Cooler
Temp °C	
Custody Seal #	
Seal Intact Y / N	
Sample Tags Y / N	

SGS AXYS

CHAIN OF CUSTODY

2045 Mills Road West TEL: (250) 655-5800 TOLL FREE 1-888-373-0881
Sidney, British Columbia, Canada V8L 5X2 FAX: (250) 655-5811

SGS AXYS CLIENT #:

REPORT TO:	*INVOICE TO:*
Company: Kaiser Aluminum	Company: SRRTTF - ACE
Address: PO Box 3565, SPOKANE, WA 99220	Address: SAME AS REPORT TO
Contact: BUD LEBER	Contact:
Phone: 509 927 6554	Phone:
FAX:	FAX:
E-mail: BUD.LEBER@KAISERTWD.COM	E-mail:
Project Name/Number:	Sampler's Name: Jeff Schit
	Signature:

Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	SGS AXYS Lab Sample ID (Lab use only)	ANALYSIS REQUESTED: PCB Congeners
SR5A-080418-1255-C	SW	8/4/18	1255	1L/1		X
SR5-080418-1430	SW	8/4/18	1430	2L/1		X
SR5-080418-1430-C	SW	8/4/18	1430	1L/1		X
SR4-080418-1425	SW	8/4/18	1425	2L/1		X
SR4-080418-1425-C	SW	8/4/18	1425	1L/1		X
SR2-080418-1555	SW	8/4/18	1555	2L/1		X
SR2-080418-1555-C	SW	8/4/18	1555	1L/1		X
SR1-080418-1605	SW	8/4/18	1605	2L/1		X
SR1-080418-1605-C	SW	8/4/18	1605	1L/1		X
HC1-080418-1730	SW	8/4/18	1730	2L/1		X
HC1-080418-1730-C	SW	8/4/18	1730	1L/1		X

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time	Courier	Waybill No.
	8/6/18	0930					
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time	Sample Receipt	
						Temp °C	Cooler
						Custody Seal #	
						Seal Intact Y / N	
						Sample Tags Y / N	

Remarks

SGS AXYS

CHAIN OF CUSTODY

2045 Mills Road West TEL: (250) 655-5800 TOLL FREE 1-888-373-0881
Sidney, British Columbia, Canada V8L 5X2 FAX: (250) 655-5811

SGS AXYS CLIENT #:

REPORT TO:
Company: Kaiser Aluminum
Address: PO BOX 3565
~~SRO~~
SPOKANE, WA 99220
Contact: BUD LEBER
Phone: 509 927 6554
FAX:
E-mail: BUD.LEBER@KAISERTWD.COM

INVOICE TO:
Company: SRRTTF-ACE
Address:
SAME AS REPORT TO
Contact:
Phone:
FAX:
E-mail:

Project Name/Number:

Sampler's Name: Jeff Schut
Signature:

ANALYSIS REQUESTED: PCB Congeners

Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	SGS AXYS Lab Sample ID (Lab use only)	PCB Congeners
SR3-080418-1810	SW	8/4/18	1810	2L/1		X
SR3-080418-1810-C	SW	8/4/18	1810	1L/1		X
SR9-080518-0825	SW	8/5/18	0825	2L/1		X
SR9-080518-0825-C	SW	8/5/18	0825	1L/1		X
BLANK 2	SW	8/5/18	0810	2L/1		X
DUP 2	SW	8/5/18	0920	2L/1		X
SR8A-080518-0940	SW	8/5/18	0940	2L/1		X
SR8A-080518-0940-C	SW	8/5/18	0940	1L/1		X
SR7-080518-1030	SW	8/5/18	1030	2L/1		X
SR7-080518-1030-C	SW	8/5/18	1030	1L/1		X
SR5A-080518-1120	SW	8/5/18	1120	2L/1		X

Relinquished by (Signature) Date 8/6/18 Time 0930
Received by (Signature) Date Time
Courier Waybill No.

Relinquished by (Signature) Date Time
Received by (Signature) Date Time

Remarks

Sample Receipt

	Cooler
Temp °C	
Custody Seal #	
Seal Intact Y / N	
Sample Tags Y / N	

SGS AXYS

CHAIN OF CUSTODY

2045 Mills Road West TEL: (250) 655-5800 TOLL FREE 1-888-373-0881
Sidney, British Columbia, Canada V8L 5X2 FAX: (250) 655-5811

SGS AXYS CLIENT #:

REPORT TO:

Company: Kaiser Aluminum
Address: PO Box 3565
SPOKANE, WA 99220
Contact: BUD LEBER
Phone: 509 927 6554
FAX:
E-mail: BUD.LEBER@KAISERTWD.COM

INVOICE TO:

Company: SRRTTF-ACE
Address: SAME AS REPORT TO
Contact:
Phone:
FAX:
E-mail:

Project Name/Number:

Sampler's Name: Jeff Schut
Signature:

ANALYSIS REQUESTED: PCB Congeners

Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	SGS AXYS Lab Sample ID (Lab use only)	PCB Congeners
SR5A-080518-1120-C	SW	8/5/18	1120	1L/1		X
SR4-080518-1155-C	SW	8/5/18	1155	1L/1		X
SR4-080518-1155	SW	8/5/18	1155	2L/1		X
~~SR4-080518-1155-A~~	SW		1155	2L/1		
SR1-080518-1345	SW	8/5/18	1345	2L/1		X
SR1-080518-1345-C	SW	8/5/18	1345	1L/1		X
HC1-080518-1435	SW	8/5/18	1435	2L/1		X
HC1-080518-1435-C	SW	8/5/18	1435	1L/1		X
SR3-080518-1505	SW	8/5/18	1505	2L/1		X
SR3-080518-1505-C	SW	8/5/18	1505	1L/1		X

SS

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time	Courier	Waybill No.
	8/6/18	0930					
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time		

Remarks

Sample Receipt

	Cooler
Temp °C	
Custody Seal #	
Seal Intact Y / N	
Sample Tags Y / N	

SGS AXYS

CHAIN OF CUSTODY

2045 Mills Road West TEL: (250) 655-5800 TOLL FREE 1-888-373-0881
Sidney, British Columbia, Canada V8L 5X2 FAX: (250) 655-5811

SGS AXYS CLIENT #:

REPORT TO:
Company: Kaiser Aluminum
Address: PO BOX 3565
SPOKANE, WA 99220
Contact: BUD LEBER
Phone: 509 927 6554
FAX:
E-mail: BUD.LEBER@KAISERTWD.COM

INVOICE TO:
Company: SRRTTF-ACE
Address: SAME AS REPORT TO
Contact:
Phone:
FAX:
E-mail:

Project Name/Number:

Sampler's Name:
Signature:

ANALYSIS REQUESTED: PCB CONGENERS

Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	SGS AXYS Lab Sample ID (Lab use only)	PCB CONGENERS
SR4-080618-1340	SW	8/6/18	1340	2L/1		X
SR4-080618-1340-C	SW		1340	1L/1		X
SR1-080618-1500	SW		1500	2L/1		X
SR1-080618-1500-C	SW		1500	1L/1		X
HC1-080618-1545	SW		1545	2L/1		X
HC1-080618-1545-C	SW		1545	1L/1		X
SR3-080618-1615	SW		1615	2L/1		X
SR3-080618-1615-C	SW		1615	1L/1		X

Relinquished by (Signature): [signature] Date: 8/7/18 Time: 0730
Received by (Signature) Date Time

Relinquished by (Signature) Date Time
Received by (Signature) Date Time

Courier | Waybill No.

Remarks

Sample Receipt

	Cooler
Temp °C	
Custody Seal #	
Seal Intact Y / N	
Sample Tags Y / N	

SGS AXYS

CHAIN OF CUSTODY

2045 Mills Road West TEL: (250) 655-5800 TOLL FREE 1-888-373-0881
Sidney, British Columbia, Canada V8L 5X2 FAX: (250) 655-5811

SGS AXYS CLIENT #:

REPORT TO:
Company: SEE COC #1
Address:
Contact:
Phone:
FAX:
E-mail:

INVOICE TO:
Company: SEE COC #1
Address:
Contact:
Phone:
FAX:
E-mail:

Project Name/Number:

Sampler's Name: Jeff Sylvester
Signature:

Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	SGS AXYS Lab Sample ID (Lab use only)	ANALYSIS REQUESTED: PCB Congeners
SR5-080618-1345	SW	8/6/18	1345	2L/1		X
SR5-080618-1345-C	SW	8/6/18	1345	1L/1		X
SR2-080618-1515	SW	8/6/18	1515	2L/1		X
SR2-080618-1515	Sed	8/6/18	1515	1L/1		X
BLANK 3	SW	8/6/18	1700	2L/1		X

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time	Courier	Waybill No.
	8/7/18	0730					
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time		

Remarks

Sample Receipt

	Cooler
Temp °C	
Custody Seal #	
Seal Intact Y / N	
Sample Tags Y / N	

SGS AXYS

CHAIN OF CUSTODY

2045 Mills Road West TEL: (250) 655-5800 TOLL FREE 1-888-373-0881
Sidney, British Columbia, Canada V8L 5X2 FAX: (250) 655-5811

SGS AXYS CLIENT #:

REPORT TO:	*INVOICE TO:*
Company: SEE COC #1	Company: SEE COC #1
Address:	Address:
Contact:	Contact:
Phone:	Phone:
FAX:	FAX:
E-mail:	E-mail:
Project Name/Number:	Sampler's Name: / Signature:

Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	SGS AXYS Lab Sample ID (Lab use only)	ANALYSIS REQUESTED: PCB CONGENERS
SR9-080618-0745	SW	8/6/18	0745	2L/1		X
SR9-080618-0745-C	SW		0745	1L/1		X
SR8a-080618-0920	SW		0920	2L/1		X
SR8a-080618-0920-C	SW		0920	1L/1		X
SR7-080618-1040	SW		1040	2L/1		X
SR7-080618-1040-C	SW		1040	1L/1		X
DUPLICATE 3	SW		—	1L/1		X
SR5a-080618-1130	SW		1130	2L/1		X
SR5a-080618-1130-C	SW		1130	1L/1		X
SR6-080618-1215	SW		1215	2L/1		X
SR6-080618-1215-C	SW		1215	1L/1		X

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time	Courier	Waybill No.
	8/7/18	0930					
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time	Sample Receipt	

Remarks

	Cooler
Temp °C	
Custody Seal #	
Seal Intact Y / N	
Sample Tags Y / N	

SGS AXYS

CHAIN OF CUSTODY

2045 Mills Road West TEL: (250) 655-5800 TOLL FREE 1-888-373-0881
Sidney, British Columbia, Canada V8L 5X2 FAX: (250) 655-5811

SGS AXYS CLIENT #:

REPORT TO:		***INVOICE TO:***	
Company	KAISER ALUMINUM	Company	SRR7F
Address	PO BOX 3565	Address	(Same as Report to)
	SPOKANE, WA. 99220		
Contact	BUD LEBER	Contact	
Phone	509-927-6554	Phone	
FAX		FAX	
E-mail	BUD.LEBER@KAISERTWD.COM	E-mail	
Project Name/Number:		Sampler's Name:	
		Signature:	

Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	SGS AXYS Lab Sample ID (Lab use only)	ANALYSIS REQUESTED: PCB Congeners
SR9-080718-0750	SW	8/7/18	0750	2L/1		X
SR9-080718-0750-C	SW		0750	1L/1		X
SR8a-080718-0850	SW		0850	2L/1		X
SR8a-080718-0850-C	SW		0850	1L/1		X
SR7-080718-0945	SW		0945	2L/1		X
SR7-080718-0945-C	SW		0945	1L/1		X
SR5a-080718-1030	SW		1030	2L/1		X
SR5a-080718-1030-C	SW		1030	1L/1		X
DUPLICATE 4	SW		—	2L/1		X
BLANK 4	SW		1700	2L/1		X
SR4-080718-1100	SW		1100	2L/1		X

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time	Courier	Waybill No.
	8/8/18	0900					
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time	Sample Receipt	
							Cooler
Remarks						Temp °C	
						Custody Seal #	
						Seal Intact Y / N	
						Sample Tags Y / N	

SGS AXYS

CHAIN OF CUSTODY

2045 Mills Road West TEL: (250) 655-5800 TOLL FREE 1-888-373-0881
Sidney, British Columbia, Canada V8L 5X2 FAX: (250) 655-5811

SGS AXYS CLIENT #:

REPORT TO:	*INVOICE TO:*	ANALYSIS REQUESTED
Company: Same as COC #1	Company:	PCB Congeners
Address:	Address:	
Contact:	Contact:	
Phone:	Phone:	
FAX:	FAX:	
E-mail:	E-mail:	
Project Name/Number:	Sampler's Name: / Signature:	

Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	SGS AXYS Lab Sample ID (Lab use only)	PCB Congeners
SR4-080718-1100-C	SW	8/7/18	1100	1L/1		X
~~SR4-0807~~						
SR1-080718-1200	SW	8/7/18	1200	2L/1		X
SR1-080718-1200-C	SW		1200	1L/1		X
HC1-080718-1315	SW		1315	2L/1		X
HC1-080718-1315-C	SW		1315	1L/1		X
SR3-080718-1340	SW		1340	2L/1		X
SR3-080718-1340-C	SW	↓	1340	1L/1		X

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time	Courier	Waybill No.
	8/9/18	0900					
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time	Sample Receipt	

Remarks		Cooler
	Temp °C	
	Custody Seal #	
	Seal Intact Y / N	
	Sample Tags Y / N	

SGS AXYS

CHAIN OF CUSTODY

2045 Mills Road West TEL: (250) 655-5800 TOLL FREE 1-888-373-0881
Sidney, British Columbia, Canada V8L 5X2 FAX: (250) 655-5811

SGS AXYS CLIENT #:

REPORT TO:	*INVOICE TO:*
Company: KAISER ALUMINUM	Company: SRRTTF - ACE
Address: PO BOX 3565	Address: SAME AS REPORT
SPOKANE, WA, 99220	
Contact: BUD LEBER	Contact:
Phone: 509-927-6554	Phone:
FAX:	FAX:
E-mail: BUD.LEBER@KAISERTWD.COM	E-mail:
Project Name/Number:	Sampler's Name:
	Signature:

Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	SGS AXYS Lab Sample ID (Lab use only)	ANALYSIS REQUESTED: PCB CONGENERS				
SR9-080818-0745	SW	8/8/18	0745	2L/1		X				
SR9-080818-0745-C	SW		0745	1L/1		X				
SR8a-080818-0825	SW		0825	2L/1		X				
SR8a-080818-0825-C	SW		0825	1L/1		X				
SR7-080818-0925	SW		0925	2L/1		X				
SR7-080818-0925-C	SW		0925	1L/1		X				
SR6-080818-1000	SW		1000	2L/1		X				
SR6-080818-1000-C	SW		1000	1L/1		X				
SR5a-080818-1030	SW		1030	2L/1		X				
SR5a-080818-1030-C	SW		1030	1L/1		X				
SR4-080818-1100	SW		1100	2L/1		X				

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time	Courier	Waybill No.
[signature]	8/9/18	0830					
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time		

Remarks

Sample Receipt	Cooler
Temp °C	
Custody Seal #	
Seal Intact Y / N	
Sample Tags Y / N	

SGS AXYS

CHAIN OF CUSTODY

2045 Mills Road West TEL: (250) 655-5800 TOLL FREE 1-888-373-0881
Sidney, British Columbia, Canada V8L 5X2 FAX: (250) 655-5811

SGS AXYS CLIENT #:

REPORT TO:	***INVOICE TO:***	ANALYSIS REQUESTED
Company: SAME AS	Company:	PCB congeners
Address: PAGE #1	Address:	
Contact:	Contact:	
Phone:	Phone:	
FAX:	FAX:	
E-mail:	E-mail:	
Project Name/Number:	Sampler's Name: / Signature:	

Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	SGS AXYS Lab Sample ID (Lab use only)	PCB congeners
SR4-080818-1100-C	SW	8/8/18	1100	1L/1		X
SR5-080818-1120	SW		1120	2L/1		X
SR5-080818-1120-C	SW		1120	1L/1		X
SR1-080918-1215	SW		1215	2L/1		X
SR1-080918-1215-C	SW		1215	1L/1		X
SR2-080818-1400	SW		1400	2L/1		X
SR2-080818-1400-C	SW		1400	1L/1		X
HC1-080818-1430	SW		1430	2L/1		X
HC1-080818-1430-C	SW		1430	1L/1		X
DUPLICATE 5	SW		—			X
BLANK 5			—			X

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time	Courier	Waybill No.
	8/9/18	0830					
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time	Sample Receipt	

Remarks

Sample Receipt	Cooler
Temp °C	
Custody Seal #	
Seal Intact Y / N	
Sample Tags Y / N	

SGS AXYS

CHAIN OF CUSTODY

2045 Mills Road West TEL: (250) 655-5800 TOLL FREE 1-888-373-0881
Sidney, British Columbia, Canada V8L 5X2 FAX: (250) 655-5811

SGS AXYS CLIENT #:

REPORT TO:	***INVOICE TO:***	ANALYSIS REQUESTED
Company: SAME AS	Company:	PCB Congeners
Address: PAGE # 1	Address:	
Contact:	Contact:	
Phone:	Phone:	
FAX:	FAX:	
E-mail:	E-mail:	
Project Name/Number:	Sampler's Name: / Signature:	

Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	SGS AXYS Lab Sample ID (Lab use only)	PCB Congeners
SR3 - 080818 - 1455	SW	8/8/18	1455	2L/1		X
SR3 - 080818 - 1455 -C	SW	8/8/18	1455	1L/1		X

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time	Courier	Waybill No.
	8/9/18	0830					
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time		

Remarks

Sample Receipt	Cooler
Temp °C	
Custody Seal #	
Seal Intact Y / N	
Sample Tags Y / N	

CHAIN OF CUSTODY RECORD

SVL Analytical, Inc. • One Government Gulch • Kellogg, ID 83837 • (208) 784-1258 • www.svl.net

FOR SVL USE ONLY
SVL Work Order #

Temperature on Receipt: 1 °C

Table 1. -- Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil, 4 = Sediment, 5 = Rock, 6 = Rinsate, 7 = Oil
8 = Waste, 9= Other:

Report to Company: Kaiser Aluminum
Contact: BUD LEBER
Address: PO BOX 3565
SPOKANE WA 99220
Phone Number: 509 927 6554
E-mail: BUD.LEBER@KAISERTLUD.COM

Invoice Sent To: SRRTTF-ACE
Contact:
Address: Same as report to
Phone Number:
E-mail:
PO#:

Project Name: SRRTTF
Sampler's Signature:

Indicate State of sample origination: WA

	Sample ID	Collection			Misc.		Preservative(s)							Analyses Required											Rush Instructions (Days)	Comments
	Please take care to distinguish between: 1 and I, 2 and Z, 5 and S, Ø and O. Thanks!	Date	Time	Collected by: (Init.)	Matrix Type (From Table 1)	No. of Containers	Unpreserved	HNO_3 Filtered	HNO_3 Unfiltered	HCl	H_2SO_4	NaOH	Other (Specify) ICE	TOC	DOC	TSS	TDS	Archive PCB (2L)								Filter DOC at lab
1	SR6-080418-0815	8/4/18	0815	JS	1	2	X				X		X	X	X	X	X									
2	SR6-080418-0815-C	8/4/18	0815	JS	1	2	X				X		X	X	X	X	X									
3	BLANK 2	8/4/18	0825	JS	1	2	X				X		X	X	X	X	X									
4	SR6-080418-0815-A	8/4/18	0825	JS	1	1	X						X	X				X								Hold
5	SR9-080418-1015	8/4/18	1015	JS	1	2	X				X		X	X	X	X	X									
6	SR9-080418-1015-C	8/4/18	1015	JS	1	2	X				X		X	X	X	X	X									
7	~~SR9~~ DUP 1	8/4/18	0940	JS	1	2	X				X		X	X	X	X	X									
8	SR9-080418-1015-A	8/4/18	1015	JS	1	1	X						X					X								Hold
9	DUP 1-A	8/4/18	0940	JS	1	1												X								Hold
10	SR8A-080418-1050	8/4/18	1050	JS	1	2	X				X		X	X	X	X	X									

Relinquished by:	Date: 8/6/18	Time: 0730	Received by:	Date: 8/06/18	Time: 0730
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

* Sample Reject: ☐ Return ☐ Dispose ☐ Store (30 Days)

White: LAB COPY Yellow: CUSTOMER COPY

CHAIN OF CUSTODY RECORD

SVL Analytical, Inc. • One Government Gulch • Kellogg, ID 83837 • (208) 784-1258 • www.svl.net

FOR SVL USE ONLY
SVL Work Order #

Temperature on Receipt: 10°C

Table 1. -- Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil, 4 = Sediment, 5 = Rock, 6 = Rinsate, 7 = Oil
8 = Waste, 9= Other:

Report to Company: Kaiser Aluminum
Contact: Bud Leber
Address: PO Box 3565
Spokane WA 99220
Phone Number: 509 927 6554
E-mail: Bud.Leber@kaiserTWD.com

Invoice Sent To: SRRTTF-ACE
Contact:
Address: SAME AS
Phone Number: REPORT TO
E-mail:
PO#:

Project Name: SRRTTF
Sampler's Signature:

Indicate State of sample origination: WA

	Sample ID (Please take care to distinguish between: 1 and I, 2 and Z, 5 and S, Ø and O. Thanks!)	Collection: Date	Collection: Time	Collected by: (Init.)	Misc.: Matrix Type (From Table 1)	Misc.: No. of Containers	Preservative(s): Unpreserved	HNO_3 Filtered	HNO_3 Unfiltered	HCl	H_2SO_4	NaOH	Other (Specify)	Analyses Required: TOC	DOC	TSS	TDS	Archive PCB (24)	Rush Instructions (Days)	Comments
1	SRBA-080418-1050-C	8/4/18	1050	JS	1	2	X				X		X	X	X	X					
2	SRBA-080418-1050-A	8/4/18	1050	JS	1	1							X				X				Hold
3	SR7-080418-1145	8/4/18	1145	JS	1	2	X				X		X	X	X	X					
4	SR7-080418-1145-C	8/4/18	1145	JS	1	2	X				X		X	X	X	X					
5	SR7-080418-1145-A	8/4/18	1145	JS	1	1							X				X				Hold
6	SR5A-080418-1255	8/4/18	1255	JS	1	2	X				X		X	X	X	X					
7	SR5A-080418-1255-C	8/4/18	1255	JS	1	2	X				X		X	X	X	X					
8	SR5A-080418-1255-A	8/4/18	1255	JS	1	1							X				X				Hold
9	SR5-080418-1430	8/4/18	1430	JS	1	2	X				X		X	X	X	X					
10	SR5-080418-1430-C	8/4/18	1430	JS	1	2	X				X		X	X	X	X					

Comments: Filter DOC at lab

Relinquished by:		Date: 8/6/18	Time: 0730	Received by:		Date: 8/06/18	Time: 0730
Relinquished by:		Date:	Time:	Received by:		Date:	Time:

* Sample Reject: ☐ Return ☐ Dispose ☐ Store (30 Days)

White: LAB COPY Yellow: CUSTOMER COPY

CHAIN OF CUSTODY RECORD

SVL Analytical, Inc. • One Government Gulch • Kellogg, ID 83837 • (208) 784-1258 • FAX: (208) 783-0891

FOR SVL USE ONLY
SVL JOB #

TEMP on Receipt: 10C

Table 1. -- Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
6 = Waste, 7 = Other_____

Report to Company: Kaiser Aluminum
Contact: BUD LEBER
Address: PO BOX 3565
SPOKANE, WA 99220
Phone Number: 509 927 6554
FAX Number:
E-mail: BUD_LEBER@KAISERTWD.COM

Invoice Sent To: SRRTTF-ACE
Contact:
Address: SAME AS REPORT TO
Phone Number:
FAX Number:
PO#:

Project Name: SRRTTF
Sampler's Signature:

Indicate State of sample origination: WA

	Sample ID (Please take care to distinguish between: 1 and I, 2 and Z, 5 and S, Ø and O. Thanks!)	Collection Date	Collection Time	Collected by: (Init.)	Misc. Matrix Type (From Table 1)	Misc. No. of Containers	Preservative(s) Unpreserved	HNO_3 Filtered	HNO_3 Unfiltered	HCl	H_2SO_4	NaOH	Other (Specify) ICE	Analyses Required: TOC	DOC	TSS	TDS	Archive PCB (24)	Rush Instructions (Days)	Comments
1	SR5-080418-1430-A	8/4/18	1430	JS	1	1							X				X		Hold
2	SR4-080418-1425	8/4/18	1425	JS	1	2	X				X		X	X	X	X	X		
3	SR4-080418-1425C	8/4/18	1425	JS	1	2	X				X		X	X	X	X	X		
4	SR4-080418-1425A	8/4/18	1425	JS	1	1	X						X				X		Hold
5	SR2-080418-1555	8/4/18	1355	JS	1	2	X				X		X	X	X	X			
6	SR2-080418-1555-C	8/4/18	1355	JS	1	2	X				X		X	X	X	X			
7	SR2-080418-1555-A	8/4/18	1355	JS	1	1	X						X				X		Hold
8	SR1-080418-1605	8/4/18	1605	JS	1	2	X				X		X	X	X	X			
9	SR1-080418-1605-C	8/4/18	1605	JS	1	2	X				X		X	X	X	X			
10	SR1-080418-1605-A	8/4/18	1605	JS	1	1	X						X				X		Hold

Relinquished by: _____ Date: 8/6/18 Time: 0730 Received by: Yolanda
Relinquished by: _____ Date: _____ Time: _____ Received by: _____
Date: 8/06/18 Time: 0730
Date: _____ Time: _____

Comments: Filter DOC at Lab

* Sample Reject: ☐ Return ☐ Dispose ☐ Store (30 Days)

White: LAB COPY Yellow: CUSTOMER COPY

SVL-COC 9/05

CHAIN OF CUSTODY RECORD

SVL Analytical, Inc. • One Government Gulch • Kellogg, ID 83837 • (208) 784-1258 • www.svl.net

FOR SVL USE ONLY
SVL Work Order #

Temperature on Receipt: 1 °C

Table 1. -- Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil, 4 = Sediment, 5 = Rock, 6 = Rinsate, 7 = Oil
8 = Waste, 9= Other:

Report to Company: Kaiser Aluminum
Contact: BUD LERER
Address: PO BOX 3565
SPOKANE WA 99220
Phone Number: 509 927 6554
E-mail: BUD.LERER@KAISERTWD.COM

Invoice Sent To: SRBTF-ACE
Contact:
Address: SAME AS REPORT TO
Phone Number:
E-mail:
PO#:

Project Name: SRBTF
Sampler's Signature:

Indicate State of sample origination: WA

	Sample ID	Collection			Misc.		Preservative(s)							Analyses Required											Rush Instructions (Days)	Comments
	Please take care to distinguish between: 1 and I, 2 and Z, 5 and S, Ø and O. Thanks!	Date	Time	Collected by: (Init.)	Matrix Type (From Table 1)	No. of Containers	Unpreserved	HNO_3 Filtered	HNO_3 Unfiltered	HCl	H_2SO_4	NaOH	Other (Specify)	TOC	DOC	TSS	TDS	Archive PCB (2L)								
1	HC1-080418-1730	8/4/18	1730	JS	1	2	X				X		X	X	X	X	X									
2	HC1-080418-1730-C	8/4/18	1730	JS	1	2	X				X		X	X	X	X	X									
3	HC1-080418-1730-A	8/4/18	1730	JS	1	1	X						X				X									HOLD
4	SR3-080418-1810	8/4/18	1810	JS	1	2	X				X		X	X	X	X	X									
5	SR3-080418-1810-C	8/4/18	1810	JS	1	2	X				X		X	X	X	X	X									
6	SR3-080418-1810-A	8/4/18	1810	JS	1	1	X						X					X								HOLD
7	BLANK 2	8/5/18	0810	JS	1	2	X				X		X	X	X	X	X									
8	SR9-080518-0825	8/5/18	0825	JS	1	2	X				X		X	X	X	X	X									
9	SR9-080518-0825-C	8/5/18	0825	JS	1	2	X				X		X	X	X	X	X									
10	SR9-080518-0825-A	8/5/18	0825	JS	1	1	X						X					X								HOLD

Relinquished by:		Date: 8/6/18	Time: 0730	Received by:		Date: 8/06/18	Time: 0730
Relinquished by:		Date:	Time:	Received by:		Date:	Time:

* Sample Reject: ☐ Return ☐ Dispose ☐ Store (30 Days)

White: LAB COPY Yellow: CUSTOMER COPY

CHAIN OF CUSTODY RECORD

SVL Analytical, Inc. • One Government Gulch • Kellogg, ID 83837 • (208) 784-1258 • www.svl.net

FOR SVL USE ONLY
SVL Work Order #

Temperature on Receipt: 1°C

Table 1. -- Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil, 4 = Sediment, 5 = Rock, 6 = Rinsate, 7 = Oil
8 = Waste, 9= Other:

Report to Company: Kaiser Aluminum
Contact: BUD LEBER
Address: PO BOX 3565
SPOKANE WA 99220
Phone Number: 509 927 6554
E-mail: BUD.LEBER@KAISERTWD.COM

Invoice Sent To: SRRTTF-ACE
Contact:
Address: SAME AS REPORT TO
Phone Number:
E-mail:
PO#:

Project Name: SRRTTF
Sampler's Signature:

Indicate State of sample origination: WA

	Sample ID	Collection			Misc.		Preservative(s)							Analyses Required										Rush Instructions (Days)	Comments
	Please take care to distinguish between: 1 and I, 2 and Z, 5 and S, ø and O. Thanks!	Date	Time	Collected by: (Init.)	Matrix Type (From Table 1)	No. of Containers	Unpreserved	HNO_3 Filtered	HNO_3 Unfiltered	HCl	H_2SO_4	NaOH	Other (Specify) ICE	TDC/DOC/TSS/TDS	ArcLive PCB (24)										
1	DUP 2	8/6/18	0920	JS	1	2	X				X		X	X											Filter DOC at Lab
2	DUP2-A		0920	JS	1	1	X						X		X										HOLD
3	SRBA-080518-0940		0940	JS	1	2	X				X		X	X											
4	SRBA-080518-0940-C		0940	JS	1	2	X				X		X	X											
5	SRBA-080518-0940-A		0940	JS	1	1	X						X		X										HOLD
6	SR7-080518-1030		1030	JS	1	2	X				X		X	X											
7	SR7-080518-1030-C		1030	JS	1	2	X				X		X	X											
8	SR7-080518-1030-A		1030	JS	1	1	X						X		X										HOLD
9	SRSA-080518-1120		"	JS	1		X				X		X	X											
10	SRSA-080518-1120-C			JS	1		X				X		X	X											

Relinquished by:		Date: 8/6/18	Time: 1730	Received by:		Date: 8/06/18	Time: 0730
Relinquished by:		Date:	Time:	Received by:		Date:	Time:

* Sample Reject: ☐ Return ☐ Dispose ☐ Store (30 Days)

White: LAB COPY Yellow: CUSTOMER COPY

CHAIN OF CUSTODY RECORD

SVL Analytical, Inc. • One Government Gulch • Kellogg, ID 83837 • (208) 784-1258 • www.svl.net

FOR SVL USE ONLY
SVL Work Order #

Temperature on Receipt: 1 °C

Table 1. -- Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil, 4 = Sediment, 5 = Rock, 6 = Rinsate, 7 = Oil
8 = Waste, 9= Other:

Report to Company: Kaiser Aluminum
Contact: BUD LEBER
Address: PO BOX 3565
SPOKANE WA 99220
Phone Number: 509 927 6554
E-mail: BUD.LEBER@KAISERTWD.COM

Invoice Sent To: SRRTTF-ACE
Contact:
Address: SAME AS REPORT TO
Phone Number:
E-mail:
PO#:

Project Name: SRRTTF
Sampler's Signature:

Indicate State of sample origination: WA

	Sample ID	Collection			Misc.		Preservative(s)							Analyses Required												Rush Instructions (Days)	Comments
	Please take care to distinguish between: 1 and I, 2 and Z, 5 and S, ø and o. Thanks!	Date	Time	Collected by: (Init.)	Matrix Type (From Table 1)	No. of Containers	Unpreserved	HNO_3 Filtered	HNO_3 Unfiltered	HCl	H_2SO_4	NaOH	Other (Specify)	TDC/DOC/TSS/TDS	PCB Archive 2L1												
1	SR5A-080518-1120-A	8/5/18	1120	SS	1	1	X						X		X												HOLD
2	SR4-080518-1155	8/5/18	1155	JS	1	2	X				X		X	X													Filter DOC at Lab
3	SR4-080518-1155-C		1155	JS	1	2	X				X		X	X													
4	SR4-080518-1155-A		1155	JS	1	1	X						X		X												HOLD
5	SR1-080518-1345				1	2	X				X		X	X													
6	SR1-080518-1345-C				1	2	X				X		X	X													
7	SR1-080518-1345-A				1	1	X						X		X												HOLD
8	HC1-080518-1435				1	2	X				X		X	X													
9	HC1-080518-1435-C				1	2	X				X		X	X													
10	HC1-080518-1435-A				1	1	X						X		X												HOLD

Relinquished by:		Date: 8/6/18	Time: 0730	Received by:		Date: 08/06/18	Time: 0730
Relinquished by:		Date:	Time:	Received by:		Date:	Time:

* Sample Reject: ☐ Return ☐ Dispose ☐ Store (30 Days)

White: LAB COPY Yellow: CUSTOMER COPY

CHAIN OF CUSTODY RECORD

SVL Analytical, Inc. • One Government Gulch • Kellogg, ID 83837 • (208) 784-1258 • www.svl.net

FOR SVL USE ONLY
SVL Work Order #

Temperature on Receipt: 1°C

Table 1. -- Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil, 4 = Sediment, 5 = Rock, 6 = Rinsate, 7 = Oil
8 = Waste, 9= Other: _____

Report to Company: Kaiser Aluminum
Contact: BUD LEBER
Address: PO BOX 3565
SPOKANE WA 99220
Phone Number: 509 927 6554
E-mail: BUD.LEBER@KAISERTWD.COM

Invoice Sent To: SRRTTF-ACE
Contact:
Address: SAME AS REPORT TO
Phone Number:
E-mail:
PO#:

Project Name: SRRTTF

Sampler's Signature:

Indicate State of sample origination: WA

	Sample ID	Collection			Misc.		Preservative(s)							Analyses Required		Comments
	Please take care to distinguish between: 1 and I, 2 and Z, 5 and S, Ø and O. Thanks!	Date	Time	Collected by: (Init.)	Matrix Type (From Table 1)	No. of Containers	Unpreserved	HNO_3 Filtered	HNO_3 Unfiltered	HCl	H_2SO_4	NaOH	Other (Specify)	TOC/DOC/TSS/TDS Archive PCB (24hr)	Rush Instructions (Days)	
1	SR3-080518-1505	8/5/18	1505	JS	1	2	X				X		X	X		Filter DOC at lab
2	SR3-DUP-080518-1505-C	8/5/18	1505	JS	1	2	X				X		X	X		
3	SR3-080518-1505-A	8/5/18	1505	JS		1	X						X	X		HOLD
4																
5																
6																
7																
8																
9																
10																

Relinquished by:		Date: 8/6/18	Time: 0730	Received by:		Date: 8/6/18	Time: 0730
Relinquished by:		Date:	Time:	Received by:		Date:	Time:

* Sample Reject: ☐ Return ☐ Dispose ☐ Store (30 Days)

White: LAB COPY Yellow: CUSTOMER COPY

CHAIN OF CUSTODY RECORD

SVL Analytical, Inc. • One Government Gulch • Kellogg, ID 83837 • (208) 784-1258 • www.svl.net

FOR SVL USE ONLY
SVL Work Order #

Temperature on Receipt: 3°C

Report to Company: Kaiser Aluminum
Contact: BUD LEBER
Address: PO Box 3565
SPOKANE WA 99220
Phone Number: 509 927 6554
E-mail: BUD.LEBER@KAISERTWD.COM

Invoice Sent To: SRRTTF-ACE
Contact:
Address: SAME AS
Phone Number: REPORT TO
E-mail:
PO#:

Table 1. -- Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil, 4 = Sediment, 5 = Rock, 6 = Rinsate, 7 = Oil
8 = Waste, 9= Other:

Project Name: SRRTTF
Sampler's Signature:

Indicate State of sample origination: WA

	Sample ID	Collection			Misc.		Preservative(s)							Analyses Required												Rush Instructions (Days)	Comments
	Please take care to distinguish between: 1 and I, 2 and Z, 5 and S, ø and O. Thanks!	Date	Time	Collected by: (Init.)	Matrix Type (From Table 1)	No. of Containers	Unpreserved	HNO_3 Filtered	HNO_3 Unfiltered	HCl	H_2SO_4	NaOH	Other (Specify) ICE	TH / DX / TSS / TDS	PCB ARCHIVE (2L)												
1	SR9-080618-0745-A	8/6/18	0745		1	1	X						X		X												Hold
2	SR9-080618-0745		0745		1	2	X				X		X	X													
3	SR9-080618-0745-C		0745		1	2	X				X		X	X													
4	SR8a-080618-0920-A		0920		1	1	X								X												Hold
5	SR8a-080618-0920		0920		1	2	X				X			X													
6	SR8a-080618-0920-C		0920		1	2	X				X			X													
7	SR7-080619-1040-A		1040		1	1	X						X		X												Hold
8	SR7-080619-1040		1040		1	2	X				X			X													
9	SR7-080619-1040-C		1040		1	2	X				X			X													
10	DUPLICATE 3	↓	—		1	2	X				X		X	X													

Relinquished by:		Date: 8/7/18	Time: 0730	Received by:		Date: 08/07/18	Time: 0730
Relinquished by:		Date:	Time:	Received by:		Date:	Time:

* Sample Reject: ☐ Return ☐ Dispose ☐ Store (30 Days)

White: LAB COPY Yellow: CUSTOMER COPY

CHAIN OF CUSTODY RECORD

SVL Analytical, Inc. • One Government Gulch • Kellogg, ID 83837 • (208) 784-1258 • www.svl.net

FOR SVL USE ONLY
SVL Work Order #

Temperature on Receipt: 3°C

Table 1. -- Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil, 4 = Sediment, 5 = Rock, 6 = Rinsate, 7 = Oil
8 = Waste, 9= Other:

Report to Company:
Contact: SEE COC #1
Address:
Phone Number:
E-mail:

Invoice Sent To:
Contact: SEE COC #1
Address:
Phone Number:
E-mail:
PO#:

Project Name: SRRTF
Sampler's Signature:

Indicate State of sample origination: WA

	Sample ID	Collection			Misc.		Preservative(s)							Analyses Required											Rush Instructions (Days)	Comments
	Please take care to distinguish between: 1 and I, 2 and Z, 5 and S, ø and O. Thanks!	Date	Time	Collected by: (Init.)	Matrix Type (From Table 1)	No. of Containers	Unpreserved	HNO_3 Filtered	HNO_3 Unfiltered	HCl	H_2SO_4	NaOH	Other (Specify) ICE	TDC / DOC / TSS / 705	PCB ARCHIVE (24)											
1	SR5a-080618-1130-A	8/6/18	1130		1	1	X						X		X											Hold
2	SR5a-080618-1130		1130		1	2	X				X		X	X												Filter DOC at Lab
3	SR5a-080618-1130-C		1130		1	2	X				X		X	X												
4	SR6-080618-1215-A		1215		1	1	X						X		X											Hold
5	SR6-080618-1215		1215		1	2	X				X		X	X												
6	SR6-080618-1215-C		1215		1	2	X				X		X	X												
7	SR5-080618-1345-C		1345		1	2	X				X		X	X												
8	SR5-080618-1345		1345		1	2	X				X		X	X												
9	SR5-080618-1345-A		1345		1	1	X						X		X											Hold
10	SR2-080618-1515		1515		1	2	X				X		X	X												

Relinquished by:	Date: 8/8/18	Time: 0730	Received by: Graham	Date: 08/07/18	Time: 0730
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

* Sample Reject: ☐ Return ☐ Dispose ☐ Store (30 Days)

White: LAB COPY Yellow: CUSTOMER COPY

CHAIN OF CUSTODY RECORD

SVL Analytical, Inc. • One Government Gulch • Kellogg, ID 83837 • (208) 784-1258 • www.svl.net

FOR SVL USE ONLY
SVL Work Order #

Temperature on Receipt: 3°C

Report to Company: SEE COC #1
Contact:
Address:
Phone Number:
E-mail:

Invoice Sent To: SEE COC #1
Contact:
Address:
Phone Number:
E-mail:
PO#:

Table 1. -- Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil, 4 = Sediment, 5 = Rock, 6 = Rinsate, 7 = Oil
8 = Waste, 9= Other:

Project Name: SRRTF
Sampler's Signature:

Indicate State of sample origination: WA

	Sample ID	Collection			Misc.		Preservative(s)							Analyses Required												Rush Instructions (Days)	Comments
	Please take care to distinguish between: 1 and I, 2 and Z, 5 and S, Ø and O. Thanks! 1545	Date	Time	Collected by: (Init.)	Matrix Type (From Table 1)	No. of Containers	Unpreserved	HNO_3 Filtered	HNO_3 Unfiltered	HCl	H_2SO_4	NaOH	Other (Specify) ICE	TDC/DOC/TSS/TDS	PCB ARCHIVE (2L)												
1	SR4-080618-1315-FA	8/6/18	1340		1	1	1545						X		X												Hold
2	SR4-080618-1340		1340		1	2	X				X		X	X													
3	SR4-080618-1340-C		1340		1	2	X				X		X	X													
4	SR1-080618-1500-A		1500		1	1	X						X		X												Hold
5	SR1-080618-1500		1500		1	2	X				X		X	X													
6	SR1-080618-1500-C		1500		1	2	X				X		X	X													
7	HC1-080618-1545-A		1545		1	1	X						X		X												Hold
8	HC1-080618-1545		1545		1	2	X				X		X	X													
9	HC1-080618-1545-C		1545		1	2	X				X		X	X													
10	SR3-080618-1615-A		1615		1	1	X						X		X												Hold

Filter DOC at Lab

Relinquished by:		Date: 8/7/18	Time: 0730	Received by:		Date: 08/07/18	Time: 0730
Relinquished by:		Date:	Time:	Received by:		Date:	Time:

* Sample Reject: ☐ Return ☐ Dispose ☐ Store (30 Days)

White: LAB COPY Yellow: CUSTOMER COPY

CHAIN OF CUSTODY RECORD

SVL Analytical, Inc. • One Government Gulch • Kellogg, ID 83837 • (208) 784-1258 • FAX: (208) 783-0891

FOR SVL USE ONLY
SVL JOB #

TEMP on Receipt: 3°C

Table 1. -- Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil, 4 = Sediment, 5 = Rock, 6 = Rinsate, 7 = Oil
8 = Waste, 9 = Other: _____

Report to Company: SEE COC #1
Contact:
Address:
Phone Number:
FAX Number:
E-mail:

Invoice Sent To: SEE COC #1
Contact:
Address:
Phone Number:
FAX Number:
PO#:

Project Name: SRRTF
Sampler's Signature:

Indicate State of sample origination: WA

	Sample ID (Please take care to distinguish between: 1 and I, 2 and Z, 5 and S, Ø and O. Thanks!)	Collection: Date	Collection: Time	Collected by: (Init.)	Misc.: Matrix Type (From Table 1)	Misc.: No. of Containers	Preservative(s): Unpreserved	Preservative(s): HNO_3 Filtered	Preservative(s): HNO_3 Unfiltered	Preservative(s): HCl	Preservative(s): H_2SO_4	Preservative(s): NaOH	Preservative(s): Other (Specify)	Analyses Required: TSS/TDS/TOC/DOC	Analyses Required: Archive PCB (2L)	Rush Instructions (Days)	Comments
1	SR2-060618-1515-C	6/6/18	1515	SC	1	2	X				X		X	X				
2	SR2-080619-1515-A	6/6/18	1515	SC	1	1	X						X	X				HOLD
3	BLANK 3	6/6/18	1720	SC	1	2	X				X		X	X				
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Comments: Filter DOC at Lab

Relinquished by:		Date: 6/7/18	Time: 0724	Received by:		Date: 06/07/18	Time: 0730
Relinquished by:		Date:	Time:	Received by:		Date:	Time:

* Sample Reject: ☐ Return ☐ Dispose ☐ Store (30 Days)

White: LAB COPY Yellow: CUSTOMER COPY

CHAIN OF CUSTODY RECORD

SVL Analytical, Inc. • One Government Gulch • Kellogg, ID 83837 • (208) 784-1258 • www.svl.net

FOR SVL USE ONLY
SVL Work Order #

Temperature on Receipt: 3°C

Report to Company: SEE COC #1
Contact:
Address:
Phone Number:
E-mail:

Invoice Sent To: SEE COC #1
Contact:
Address:
Phone Number:
E-mail:
PO#:

Table 1. -- Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil, 4 = Sediment, 5 = Rock, 6 = Rinsate, 7 = Oil
8 = Waste, 9= Other:

Project Name: SHRTTF
Sampler's Signature:

Indicate State of sample origination: WA

	Sample ID	Collection			Misc.		Preservative(s)							Analyses Required		Comments
	Please take care to distinguish between: 1 and I, 2 and Z, 5 and S, Ø and O. Thanks!	Date	Time	Collected by: (Init.)	Matrix Type (From Table 1)	No. of Containers	Unpreserved	HNO_3 Filtered	HNO_3 Unfiltered	HCl	H_2SO_4	NaOH	Other (Specify) ICE	TDC/DOC/TSS/TDS PCB ARCHIVE	Rush Instructions (Days)	Filter DOC at lab
1	SR3-080618-1615	8/6/18	1615		1	2	X				X		X	X		
2	SR3-080618-1615-C	8/6/18	1615		1	2	X				X		X	X		
3																
4																
5																
6																
7																
8																
9																
10																

Relinquished by:		Date: 8/7/18	Time: 0730	Received by:		Date: 8/07/18	Time: 0730
Relinquished by:		Date:	Time:	Received by:		Date:	Time:

* Sample Reject: ☐ Return ☐ Dispose ☐ Store (30 Days)

White: LAB COPY Yellow: CUSTOMER COPY

CHAIN OF CUSTODY RECORD

SVL Analytical, Inc. • One Government Gulch • Kellogg, ID 83837 • (208) 784-1258 • FAX: (208) 783-0891

FOR SVL USE ONLY
SVL JOB #

TEMP on Receipt: 6°C

Report to Company: KAISER ALUMINUM
Contact: BUD LEBER
Address: PO BOX 3565
SPOKANE, WA 99220
Phone Number: 509 927 6554
FAX Number:
E-mail: BUD.LEBER@KAISERTWD.COM

Invoice Sent To: SRRTTF - ACE
Contact:
Address: Same as report to
Phone Number:
FAX Number:
PO#:

Table 1. -- Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil, 4 = Sediment, 5 = Rock, 6 = Rinsate, 7 = Oil
8 = Waste, 9 = Other:

Project Name: SRRTTF

Sampler's Signature:

Indicate State of sample origination: WA

	Sample ID	Collection			Misc.		Preservative(s)							Analyses Required												Rush Instructions (Days)	Comments
	Please take care to distinguish between: 1 and I, 2 and Z, 5 and S, Ø and O. Thanks!	Date	Time	Collected by: (Init.)	Matrix Type (From Table 1)	No. of Containers	Unpreserved	HNO_3 Filtered	HNO_3 Unfiltered	HCl	H_2SO_4	NaOH	Other (Specify)	THC / DOC / TSS / TDS	PCB ARCHIVE (2L)												
1	SR9-080718-0750-A	8/7/18	0750		1	1	X						X		X												Hold
2	SR9-080718-0750		0750		1	2	X				X		X	X													
3	SR9-080718-0750-C		0750		1	2	X				X		X	X													
4	SR9a-080718-0850-A		0850		1	1	X						X		X												Hold
5	SR9a-080718-0850		0850		1	2	X				X		X	X													
6	SR9a-080718-0850-C		0850		1	2	X				X		X	X													
7	SR7-080718-0945-A		0945		1	1	X						X		X												Hold
8	SR7-080718-0945		0945		1	2	X				X		X	X													
9	SR7-080718-0945-C		0945		1	2	X				X		X	X													
10	DUPLICATE 4	↓	—		1	2	X				X		X	X													

Relinquished by:		Date: 8/7/18	Time: 1530	Received by:		Date: 08/07/18	Time: 1530
Relinquished by:		Date:	Time:	Received by:		Date:	Time:

* Sample Reject: ☐ Return ☐ Dispose ☐ Store (30 Days)

White: LAB COPY Yellow: CUSTOMER COPY

CHAIN OF CUSTODY RECORD

SVL Analytical, Inc. • One Government Gulch • Kellogg, ID 83837 • (208) 784-1258 • FAX: (208) 783-0891

FOR SVL USE ONLY
SVL JOB #

TEMP on Receipt: 6°C

Report to Company: SAME AS
Contact:
Address: COC #1

Phone Number:
FAX Number:
E-mail:

Invoice Sent To:
Contact:
Address:

Phone Number:
FAX Number:
PO#:

Table 1. -- Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil, 4 = Sediment, 5 = Rock, 6 = Rinsate, 7 = Oil
8 = Waste, 9 = Other:

Project Name:

Sampler's Signature:

Indicate State of sample origination: WA

Please take care to distinguish between:
1 and I
2 and Z
5 and S
ø and o
Thanks!

-1315
1315

	Sample ID	Collection: Date	Collection: Time	Collected by: (Init.)	Misc.: Matrix Type (From Table 1)	Misc.: No. of Containers	Preservative(s): Unpreserved	Preservative(s): HNO_3 Filtered	Preservative(s): HNO_3 Unfiltered	Preservative(s): HCl	Preservative(s): H_2SO_4	Preservative(s): NaOH	Preservative(s): Other (Specify) ICE	Analyses Required: TPC/DOC/TSS/TDS	Analyses Required: PCB ARCHIVE (2L)	Rush Instructions (Days)	Comments
1	SR5a-080718-1030-A	8/7/18	1030		1	1	X						X		X		HOLD
2	SR5a-080718-1030		1030		1	2	X				X		X	X			
3	SR5a-080718-1030-C		1030		1	2	X				X		X	X			
4	SR4-080718-1100		1100		1	2	X				X		X	X			
5	SR4-080718-1100-C		1100		1	2	X				X		X	X			
6	SR4-080718-1100-A		1100		1	1	X						X		X		HOLD
7	SR1-080718-1200-A		1200		1		X						X		X		HOLD
8	SR1-080718-1200		1200		1		X				X		X	X			
9	SR1-080718-1200-C		1200		1		X				X		X	X			
10	HC1-080718-1315-A		1315		1		X						X		X		HOLD

F. Hx NOC at Lab

Relinquished by:		Date: 8/7/18	Time: 1530	Received by:		Date: 08/07/18	Time: 1530
Relinquished by:		Date:	Time:	Received by:		Date:	Time:

* Sample Reject: ☐ Return ☐ Dispose ☐ Store (30 Days)

White: LAB COPY Yellow: CUSTOMER COPY

CHAIN OF CUSTODY RECORD

SVL Analytical, Inc. • One Government Gulch • Kellogg, ID 83837 • (208) 784-1258 • FAX: (208) 783-0891

FOR SVL USE ONLY
SVL JOB #

TEMP on Receipt: 6°C

Table 1. -- Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
6 = Waste, 7 = Other_____

Report to Company: - SAME AS
Contact:
Address: COC #1

Phone Number:
FAX Number:
E-mail:

Invoice Sent To:
Contact:
Address:

Phone Number:
FAX Number:
PO#:

Project Name:

Sampler's Signature:

Indicate State of sample origination:

	Sample ID (Please take care to distinguish between: 1 and I, 2 and Z, 5 and S, Ø and O. Thanks!)	Collection Date	Collection Time	Collected by: (Init.)	Misc. Matrix Type (From Table 1)	Misc. No. of Containers	Preservative(s) Unpreserved	HNO_3 Filtered	HNO_3 Unfiltered	HCl	H_2SO_4	NaOH	Other (Specify) ICE	Analyses Required: TSS / TDS / TDC / DOC; PCB ARCHIVE	Rush Instructions (Days)	Comments
1	HC1-080718-1315	8/7/18	1315		1	2	X				X		X	X		
2	HC1-080718-1315-C		1315		1	2	X				X		X	X		
3	SR3-080718-1340-A		1340		1	1	X						X		X	HOLD
4	SR3-080718-1340		1340		1	2	X				X		X	X		
5	SR3-080718-1340-C		1340		1	2	X				X		X	X		
6																
7																
8																
9																
10																

Relinquished by: [signature] Date: 8/7/18 Time: 1530 Received by: [signature]
Relinquished by: Date: Time: Received by: Date: 08/07/18 Time: 1530

* Sample Reject: ☐ Return ☐ Dispose ☐ Store (30 Days)

White: LAB COPY Yellow: CUSTOMER COPY