

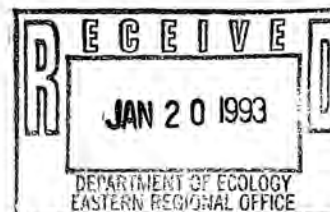
# RESOURCE PROTECTION WELL REPORT

START CARD NO. 57709

PROJECT NAME: SPOKANE AIRPORT BURNPIT  
 WELL IDENTIFICATION NO. MW13B  
 DRILLING METHOD: 4 1/4" HOLLOW STEM AUGER  
 DRILLER: WILL HAYES (2035)  
 FIRM: RUEN DRILLING (RUENCDI 175 QM)  
 SIGNATURE: \_\_\_\_\_  
 CONSULTING FIRM: LANDAU ASSOCIATES INC.  
 REPRESENTATIVE: DEB SUMMELL

County \_\_\_\_\_  
 LOCATION: T 24N, R 42E, SEC. 6 1/4 NE 1/4 NE  
 DISTANCE: (W) 112 FT. FROM N/S SECTION LINE  
 (S) 450 FT. FROM E/W SECTION LINE  
 DATUM: USGS MONUMENT 250' SOUTH OF RUNWAY  
 WATER LEVEL ELEVATION: (14.7) 2,366.7'  
 INSTALLED: ~~12/17/92~~ 12/17/92  
 DEVELOPED: 12/21/92

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
<p>See attached sheet</p>	GM	DARK brown silty to sandy GRAVEL (med. dense, moist) 5.0
	SW	Dark brown Gravelly medium to very coarse SAND (loose, moist) 10.0
	GM	Dark brown silty sandy GRAVEL (loose, moist) 15.0
	ML	Medium brown fine sandy SILT w/ trace charcoal and leaves (very stiff damp) 20.0
		END OF HOLE 20 FT.
<p><i>Will Hayes</i>                      RUEN DRILLING, INC.                      BOX 267                      CLARK FORK, ID 83811                      (208) 266-1151</p>		29.0
		30.0
		35.0



SCALE: 1" = 5'

PAGE 1 OF 2



LANDAU ASSOCIATES, INC.  
Edmonds, WA (206) 778-0907 FAX (206) 778-6409

## As-built Well Completion Form

Project: SPOKANE AIRPORT BURNPIT  
Project No.: 207001.33  
Well(s) No.: MW 13 B  
Drilling Co.: RUEB DRILLING INC.  
Installation Start Date: 12/17/92 Hour: \_\_\_\_\_  
Installation Finish Date: 12/22/92 Hour: \_\_\_\_\_  
Well Type: ☒ Single ☐ Nested ☐ Clustered

### WATER DISCHARGE MONITORING

Date: \_\_\_\_\_ Time: \_\_\_\_\_ PID(ppm) \_\_\_\_\_  
Date: \_\_\_\_\_ Time: \_\_\_\_\_ PID(ppm) \_\_\_\_\_  
Date: \_\_\_\_\_ Time: \_\_\_\_\_ PID(ppm) \_\_\_\_\_  
Date: \_\_\_\_\_ Time: \_\_\_\_\_ PID(ppm) \_\_\_\_\_  
Date: \_\_\_\_\_ Time: \_\_\_\_\_ PID(ppm) \_\_\_\_\_

### EQUIPMENT USED

- ☐ Hollow Stem Auger  
☐ Cable Tool  
☐ Air Rotary  
☐ Other \_\_\_\_\_

### MATERIALS USED

4.5 Sacks of 10-20 Sand  
2 Sacks of \_\_\_\_\_ Concrete/Cement  
\_\_\_\_\_ Sacks of \_\_\_\_\_ Grout Mix Used  
2 Sacks of Power Bentonite chips  
\_\_\_\_\_ Pounds of Bentonite Pellets/Chips  
10 Feet of \_\_\_\_\_ Inch PVC Blank Casing  
10 Feet of \_\_\_\_\_ Inch PVC Slotted Screen  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### DEVELOPMENT

Method of Development: HONDA PUMP  
Begin Date: 12/18/92 Time: PURGE 25 GALL  
Finish Date: 12/21/92 Time: PURGE 10 GAL.  
Yield: \_\_\_\_\_ Time From: \_\_\_\_\_ To: \_\_\_\_\_ Date: \_\_\_\_\_

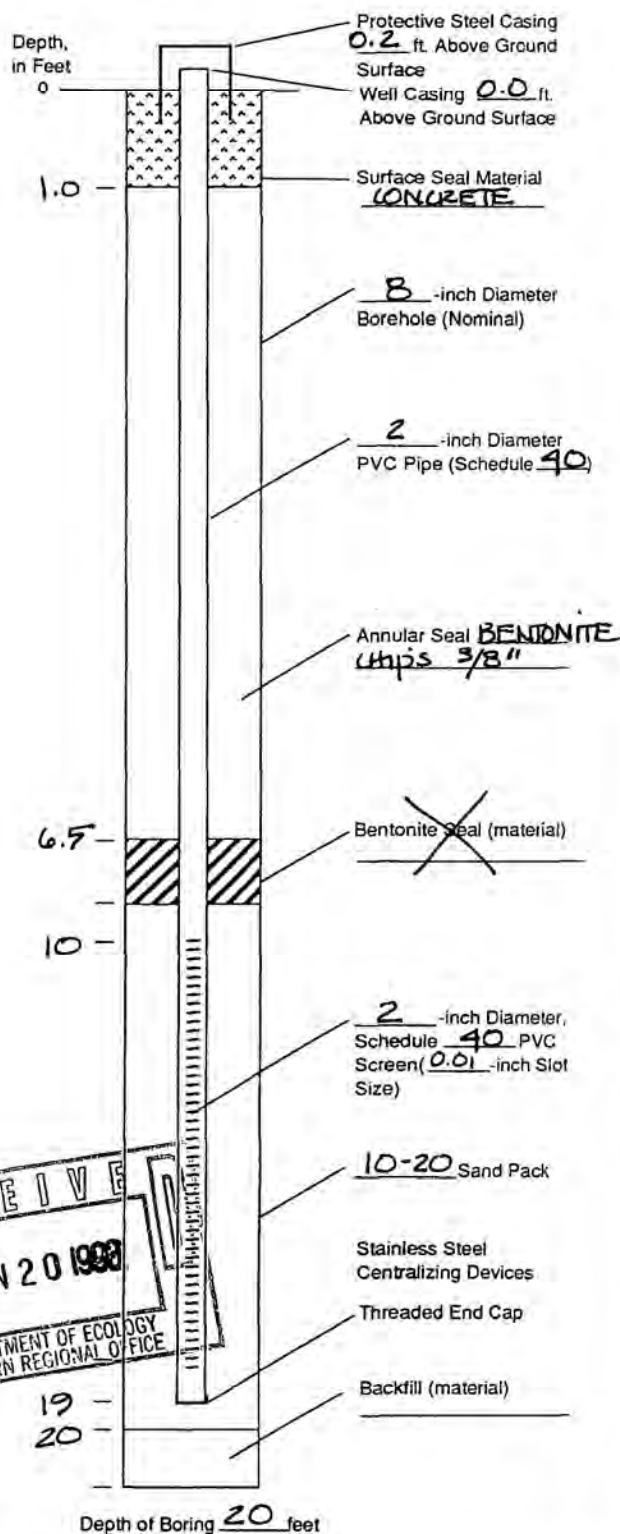
Estimate of Total Water Removed During Development: 35 Gallons

Description of Turbidity at End of Development: ☐ Clear ☒ Slightly Cloudy ☐ Mod. Turbid ☐ Very Cloudy

Odor of Water: NONE

Water Discharged To: GROUND

Depth to Water After Development: 14.7 Feet



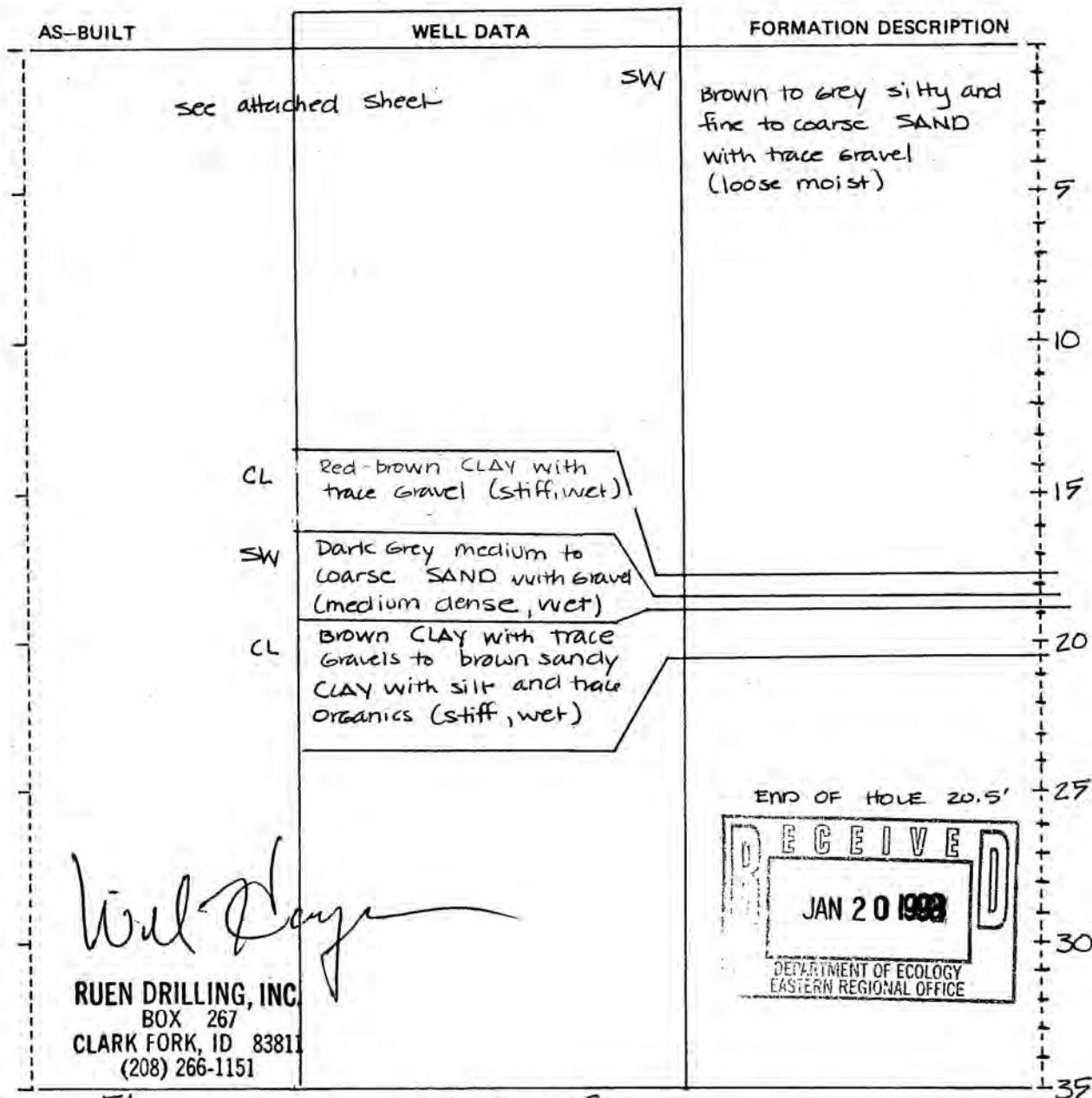
RECEIVED  
JAN 20 1993  
DEPARTMENT OF ECOLOGY  
EASTERN REGIONAL OFFICE



## RESOURCE PROTECTION WELL REPORT

START CARD NO. 57709PROJECT NAME: SPOKANE AIRPORT BURPITWELL IDENTIFICATION NO. MW14BDRILLING METHOD: 4 1/4" HOLLOW STEM AUGERDRILLER: WILL HAYES (2039)FIRM: RUEN DRILLING (RUENCDI 1750M)

SIGNATURE: \_\_\_\_\_

CONSULTING FIRM: LANDAU ASSOCIATES INC.REPRESENTATIVE: DEB SWEENEYCounty \_\_\_\_\_  
LOCATION: T 24N, R 42E, SEC. 6 1/4 NE 1/4 NEDISTANCE: (W) 165 FT. FROM N/S SECTION LINE(S) 555 FT. FROM E/W SECTION LINEDATUM: USGS MONUMENT 250' SOUTH OF RUNWAYWATER LEVEL ELEVATION: (18.5) 2,362.9INSTALLED: 12/21/92DEVELOPED: 12/22/92SCALE: 1" = 5'PAGE 1 OF 2



LANDAU ASSOCIATES, INC.  
Edmonds, WA (206) 778-0907 FAX (206) 778-6409

## As-built Well Completion Form

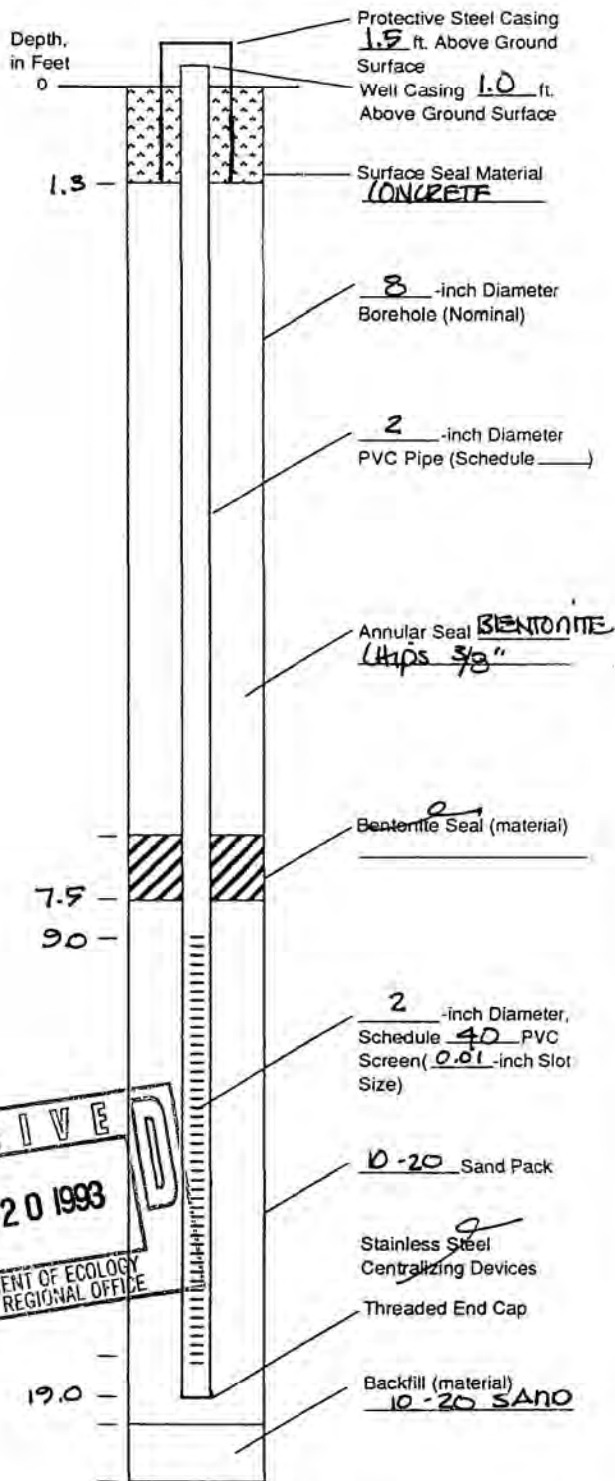
Project: SAS - BURNPIT  
Project No.: 207001.33  
Well(s) No.: MW 14B  
Drilling Co.: RUEEN DRILLING INC.  
Installation Start Date: 12/21/92 Hour: 1515  
Installation Finish Date: 12/21/92 Hour: 1015  
Well Type: ☒ Single ☐ Nested ☐ Clustered  
120 Monuments

WATER DISCHARGE MONITORING			
Date:	Time:	PID(ppm)	
Date:	Time:	PID(ppm)	
Date:	Time:	PID(ppm)	
Date:	Time:	PID(ppm)	
Date:	Time:	PID(ppm)	

EQUIPMENT USED	
<input type="checkbox"/>	Hollow Stem Auger
<input type="checkbox"/>	Cable Tool
<input type="checkbox"/>	Air Rotary
<input type="checkbox"/>	Other

MATERIALS USED	
<u>15</u>	Sacks of <u>10-20</u> Sand
<u>2</u>	Sacks of Concrete/Cement
	Sacks of Grout Mix Used
<u>3</u>	Sacks of Powdered Bentonite <u>Chips</u>
	Pounds of Bentonite Pellets/Chips
<u>10</u>	Feet of <u>2</u> Inch PVC Blank Casing
<u>10</u>	Feet of <u>2</u> Inch PVC Slotted Screen

DEVELOPMENT			
Method of Development: <u>BAILER 1 1/2" SS</u>			
Begin Date: <u>12/22/92</u>	Time: <u>20 GALS</u>		
Finish Date:	Time: <u>SLIGHT SLTY</u>		
Yield:	Time From:	To:	Date:
Estimate of Total Water Removed <u>20</u> Gallons			
Description of Turbidity at End of Development:			
<input type="checkbox"/>	Clear	<input checked="" type="checkbox"/>	Slightly Cloudy
<input type="checkbox"/>	Mod. Turbid	<input type="checkbox"/>	Very Cloudy
Odor of Water: <u>NONE</u>			
Water Discharged To: <u>GROUND</u>			
Depth to Water After Development: <u>13.49</u> <u>TOP PVC</u> <u>Feet</u>			



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DEPARTMENT OF ECOLOGY  
EASTERN REGIONAL OFFICE

Depth of Boring 20.5 feet

PAGE 2 OF 2



**Attachment – B**  
**Photographs**





## PHOTOGRAPHIC LOG

**SIA**

**Limited Assessment**  
6222 E. Desmet Avenue  
Spokane, Washington

**SES Project No.: 0270-003**  
**Date:** March 2019

**Photo No.**  
**1**

**Direction Photo Taken:**

Southeasterly

**Description:**

View of MW-7. The well cap has been cemented in-place. Potentially an easy fix.



**Photo No.**  
**2**

**Direction Photo Taken:**

Westerly

**Description:**

View of the broken monument lid on MW-8b. The entire monument should be replaced.







## PHOTOGRAPHIC LOG

SIA

**Limited Assessment**  
6222 E. Desmet Avenue  
Spokane, Washington

**SES Project No.: 0270-003**  
**Date:** March 2019

**Photo No.**  
**3**

**Direction Photo Taken:**

NA

**Description:**

View of MW-14. The soil supporting the monument has compacted and/or there is evidence of burrowing which has further removed support. The concrete monuments are supported by the well casings. This will eventually cause the casings to break. The monuments



**Photo No.**  
**4**

**Direction Photo Taken:**

Northwesterly

**Description:**

View of the MW-14 well pair. SES replaced the locks on the well caps.





**Attachment – C**  
**Analytical Results**





April 19, 2019

Service Request No:K1902735

Gary Panther  
Spokane Environmental Solutions, LLC  
3810 E. Boone Avenue, Ste 101  
Spokane, WA 99202

### Laboratory Results for: Burn Pits

Dear Gary,

Enclosed are the results of the sample(s) submitted to our laboratory March 29, 2019  
For your reference, these analyses have been assigned our service request number **K1902735**.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at [www.alsglobal.com](http://www.alsglobal.com). All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3275. You may also contact me via email at [Chris.Leaf@ALSGlobal.com](mailto:Chris.Leaf@ALSGlobal.com).

Respectfully submitted,

**ALS Group USA, Corp. dba ALS Environmental**

Chris Leaf  
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626  
PHONE +1 360 577 7222 | FAX +1 360 636 1068  
ALS Group USA, Corp.  
dba ALS Environmental





## Narrative Documents

**ALS Environmental—Kelso Laboratory**  
1317 South 13th Avenue, Kelso, WA 98626  
Phone (360) 577-7222 Fax (360) 425-9096  
[www.alsglobal.com](http://www.alsglobal.com)



**Client:** Spokane Environmental Solutions, LLC  
**Project:** Burn Pits  
**Sample Matrix:** Water

**Service Request:** K1902735  
**Date Received:** 03/29/2019

### CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

### Sample Receipt:

Five water samples were received for analysis at ALS Environmental on 03/29/2019. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

### Organic LC:

Method PFC/537M, 04/08/2019: Samples MW-13B and MW-14B required dilution due to the presence of elevated levels of target analyte. The reporting limits are adjusted to reflect the dilution.



Approved by \_\_\_\_\_

Date 04/19/2019



### SAMPLE DETECTION SUMMARY

CLIENT ID: MW-13A				Lab ID: K1902735-001			
Analyte	Results	Flag	MDL	MRL	Units	Method	
Perfluorooctane sulfonic acid (PFOS)	480			4.2	ng/L	PFC/537M	
Perfluorooctanoic acid (PFOA)	60			1.7	ng/L	PFC/537M	

CLIENT ID: MW-13B				Lab ID: K1902735-002			
Analyte	Results	Flag	MDL	MRL	Units	Method	
Perfluorooctane sulfonic acid (PFOS)	5200			420	ng/L	PFC/537M	
Perfluorooctanoic acid (PFOA)	1100			17	ng/L	PFC/537M	

CLIENT ID: MW-14B				Lab ID: K1902735-003			
Analyte	Results	Flag	MDL	MRL	Units	Method	
Perfluorooctane sulfonic acid (PFOS)	860			43	ng/L	PFC/537M	
Perfluorooctanoic acid (PFOA)	230			1.7	ng/L	PFC/537M	





## Sample Receipt Information

**ALS Environmental—Kelso Laboratory**  
1317 South 13th Avenue, Kelso, WA 98626  
Phone (360) 577-7222 Fax (360) 425-9096  
[www.alsglobal.com](http://www.alsglobal.com)



**Client:** Spokane Environmental Solutions, LLC  
**Project:** Burn Pits

**Service Request:**K1902735

**SAMPLE CROSS-REFERENCE**

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
K1902735-001	MW-13A	3/26/2019	
K1902735-002	MW-13B	3/26/2019	
K1902735-003	MW-14B	3/26/2019	





## CHAIN OF CUSTODY

97372

001

SR#

14902735

COC Set \_\_\_\_\_ of \_\_\_\_\_

COC#

Page 1 of 1

[illegible]

Report Requirements		Invoice Information		Circle which metals are to be analyzed		
<input checked="" type="checkbox"/> I. Routine Report: Method Blank, Surrogate, as required		P.O.#0270-003	Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg			
<input type="checkbox"/> II. Report Dup., MS, MSD as required		Bill To: Gary Pantner Spokane Environmental	Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg			
<input type="checkbox"/> III. CLP Like Summary (no raw data)		Turnaround Requirements <input type="checkbox"/> 24 hr. <input type="checkbox"/> 48 hr. <input checked="" type="checkbox"/> Standard	Special Instructions/Comments:		*Indicate State Hydrocarbon Procedure: AK CA WI Northwest Other _____ (Circle One)	
<input type="checkbox"/> IV. Data Validation Report						
<input type="checkbox"/> V. EDP		Requested Report Date				
Relinquished By:		Received By:	Relinquished By:		Received By:	
Signature: [Signature]	Signature: [Signature]	Signature:	Signature:	Signature:	Signature:	
Printed Name: Gary D. Pantner	Printed Name: [Signature]	Printed Name:	Printed Name:	Printed Name:	Printed Name:	
Firm: Spokane Env. Solutions	Firm: 3/29/19 O&G	Firm:	Firm:	Firm:	Firm:	
Date/Time: 3/27/19 1:50P	Date/Time:	Date/Time:	Date/Time:	Date/Time:	Date/Time:	





PC

## Cooler Receipt and Preservation Form

Client Spokane Environmental Service Request K19 02735  
 Received: 3/29/19 Opened: 3/29/19 By: Km Unloaded: 3/29/19 By: Ph

1. Samples were received via? **USPS** Fed Ex **UPS** **DHL** **PDX** **Courier** **Hand Delivered**  
 2. Samples were received in: (circle) Cooler **Box** **Envelope** **Other** NA  
 3. Were custody seals on coolers? **NA** Y **N** If yes, how many and where? 1 F r/B  
 If present, were custody seals intact? Y **N** If present, were they signed and dated? Y **N**

Raw Cooler Temp	Corrected Cooler Temp	Raw Temp Blank	Corrected Temp Blank	Corr. Factor	Thermometer ID	Cooler/COC ID	Tracking Number	NA	Filed
4.0	3.8	3.6	3.4	-0.2	390	97372	480832279000		

4. Packing material: **Inserts** **Baggies** Bubble Wrap Gel Packs Wet Ice **Dry Ice** **Sleeves**  
 5. Were custody papers properly filled out (ink, signed, etc.)? **NA** Y **N**  
 6. Were samples received in good condition (temperature, unbroken)? **Indicate in the table below.** **NA** Y **N**  
 If applicable, tissue samples were received: **Frozen** **Partially Thawed** **Thawed**  
 7. Were all sample labels complete (i.e analysis, preservation, etc.)? **NA** Y **N**  
 8. Did all sample labels and tags agree with custody papers? **Indicate major discrepancies in the table on page 2.** **NA** Y **N**  
 9. Were appropriate bottles/containers and volumes received for the tests indicated? **NA** Y **N**  
 10. Were the pH-preserved bottles (see SMO GEN SOP) received at the appropriate pH? **Indicate in the table below** NA **Y** **N**  
 11. Were VOA vials received without headspace? **Indicate in the table below.** NA **Y** **N**  
 12. Was C12/Res negative? NA **Y** **N**

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count	Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, & Resolutions:





## Miscellaneous Forms

**ALS Environmental—Kelso Laboratory**  
1317 South 13th Avenue, Kelso, WA 98626  
Phone (360) 577-7222 Fax (360) 425-9096  
[www.alsglobal.com](http://www.alsglobal.com)



### Inorganic Data Qualifiers

- \* The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.  
*DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.
- H The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

### Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- J The result is an estimated value.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.  
*DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.
- Q See case narrative. One or more quality control criteria was outside the limits.

### Organic Data Qualifiers

- \* The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimated value.
- J The result is an estimated value.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.  
*DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

### Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.



**ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso**  
**State Certifications, Accreditations, and Licenses**

Agency	Web Site	Number
Alaska DEH	<a href="http://dec.alaska.gov/eh/lab/cs/csapproval.htm">http://dec.alaska.gov/eh/lab/cs/csapproval.htm</a>	UST-040
Arizona DHS	<a href="http://www.azdhs.gov/lab/license/env.htm">http://www.azdhs.gov/lab/license/env.htm</a>	AZ0339
Arkansas - DEQ	<a href="http://www.adeq.state.ar.us/techsvs/labcert.htm">http://www.adeq.state.ar.us/techsvs/labcert.htm</a>	88-0637
California DHS (ELAP)	<a href="http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx">http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx</a>	2795
DOD ELAP	<a href="http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm">http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm</a>	L16-58-R4
Florida DOH	<a href="http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm">http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm</a>	E87412
Hawaii DOH	<a href="http://health.hawaii.gov/">http://health.hawaii.gov/</a>	-
ISO 17025	<a href="http://www.pjllabs.com/">http://www.pjllabs.com/</a>	L16-57
Louisiana DEQ	<a href="http://www.deq.louisiana.gov/page/la-lab-accreditation">http://www.deq.louisiana.gov/page/la-lab-accreditation</a>	03016
Maine DHS	<a href="http://www.maine.gov/dhhs/">http://www.maine.gov/dhhs/</a>	WA01276
Minnesota DOH	<a href="http://www.health.state.mn.us/accreditation">http://www.health.state.mn.us/accreditation</a>	053-999-457
Nevada DEP	<a href="http://ndep.nv.gov/bsdwlabservice.htm">http://ndep.nv.gov/bsdwlabservice.htm</a>	WA01276
New Jersey DEP	<a href="http://www.nj.gov/dep/enforcement/oqa.html">http://www.nj.gov/dep/enforcement/oqa.html</a>	WA005
New York - DOH	<a href="https://www.wadsworth.org/regulatory/elap">https://www.wadsworth.org/regulatory/elap</a>	12060
North Carolina DEQ	<a href="https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification">https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification</a>	605
Oklahoma DEQ	<a href="http://www.deq.state.ok.us/CSDnew/labcert.htm">http://www.deq.state.ok.us/CSDnew/labcert.htm</a>	9801
Oregon – DEQ (NELAP)	<a href="http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx">http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx</a>	WA100010
South Carolina DHEC	<a href="http://www.scdhec.gov/environment/EnvironmentalLabCertification/">http://www.scdhec.gov/environment/EnvironmentalLabCertification/</a>	61002
Texas CEQ	<a href="http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html">http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html</a>	T104704427
Washington DOE	<a href="http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html">http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html</a>	C544
Wyoming (EPA Region 8)	<a href="https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water">https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water</a>	-
Kelso Laboratory Website	<a href="http://www.alsglobal.com">www.alsglobal.com</a>	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at [www.ALSGlobal.com](http://www.ALSGlobal.com) or at the accreditation bodies web site.

Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/analyte is offered by that state.



## Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.



**ALS Group USA, Corp.**

dba ALS Environmental

## Analyst Summary report

**Client:** Spokane Environmental Solutions, LLC  
**Project:** Burn Pits/

**Service Request:** K1902735

**Sample Name:** MW-13A  
**Lab Code:** K1902735-001  
**Sample Matrix:** Water

**Date Collected:** 03/26/19**Date Received:** 03/29/19

**Analysis Method**  
PFC/537M

**Extracted/Digested By**  
KPETERSEN

**Analyzed By**  
CMULLER

**Sample Name:** MW-13A  
**Lab Code:** K1902735-001.R01  
**Sample Matrix:** Water

**Date Collected:** 03/26/19**Date Received:** 03/29/19

**Analysis Method**  
PFC/537M

**Extracted/Digested By**  
KPETERSEN

**Analyzed By**  
CMULLER

**Sample Name:** MW-13B  
**Lab Code:** K1902735-002  
**Sample Matrix:** Water

**Date Collected:** 03/26/19**Date Received:** 03/29/19

**Analysis Method**  
PFC/537M

**Extracted/Digested By**  
KPETERSEN

**Analyzed By**  
CMULLER

**Sample Name:** MW-13B  
**Lab Code:** K1902735-002.R01  
**Sample Matrix:** Water

**Date Collected:** 03/26/19**Date Received:** 03/29/19

**Analysis Method**  
PFC/537M

**Extracted/Digested By**  
KPETERSEN

**Analyzed By**  
CMULLER

**Sample Name:** MW-13B  
**Lab Code:** K1902735-002.R02  
**Sample Matrix:** Water

**Date Collected:** 03/26/19**Date Received:** 03/29/19

**Analysis Method**  
PFC/537M

**Extracted/Digested By**  
KPETERSEN

**Analyzed By**  
CMULLER