



07-Feb-2013

Kate Ramsay
HRL Compliance Solutions
2385 F 1/2 Road
Grand Junction, CO 81505

Re: **Gunnison SPU 23-33 Prod. Water Spill 13-121**

Work Order: **1302089**

Dear Kate,

ALS Environmental received 2 samples on 05-Feb-2013 for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 13.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Ann Preston".

Electronically approved by: Alex Cszaszar

Ann Preston
Project Manager



Certificate No: MN331938

ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185

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Environmental The ALS logo, a small blue triangle with a yellow flame.

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RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions
Project: Gunnison SPU 23-33 Prod. Water Spill 13-121
Work Order: 1302089

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1302089-01	WEST TANK	Water		2/4/2013 14:20	2/5/2013 10:30	<input type="checkbox"/>
1302089-02	EAST TANK	Water		2/4/2013 14:40	2/5/2013 10:30	<input type="checkbox"/>

Client: HRL Compliance Solutions
Project: Gunnison SPU 23-33 Prod. Water Spill 13-121
Work Order: 1302089

Case Narrative**QC Comments:**

Batch R115881A, Method VOC_8260_W, Sample 1302089-02A MS: The MS recoveries were above the upper control limits for Benzene and Tolulene. The reported results in the parent sample may be biased high for these analytes.

Batch R115881A, Method VOC_8260_W, Sample 1302089-02A MSD: The MSD recovery was above the upper control limits for Benzene. The reported result in the parent sample may be biased high for this analyte.

Client: HRL Compliance Solutions
Project: Gunnison SPU 23-33 Prod. Water Spill 13-121
WorkOrder: 1302089

QUALIFIERS, ACRONYMS, UNITS

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
ML	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
SD	Serial Dilution
TDL	Target Detection Limit

<u>Units Reported</u>	<u>Description</u>
µg/L	Micrograms per Liter
mg/L	Milligrams per Liter

ALS Group USA, Corp

Date: 07-Feb-13

Client: HRL Compliance Solutions

Project: Gunnison SPU 23-33 Prod. Water Spill 13-121

Sample ID: WEST TANK

Collection Date: 2/4/2013 02:20 PM

Work Order: 1302089

Lab ID: 1302089-01

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			SW8260			Analyst: AK
Benzene	2,300		100	µg/L	100	2/5/2013 06:51 PM
Ethylbenzene	350		100	µg/L	100	2/5/2013 06:51 PM
m,p-Xylene	4,100		200	µg/L	100	2/5/2013 06:51 PM
o-Xylene	1,200		100	µg/L	100	2/5/2013 06:51 PM
Toluene	4,100		100	µg/L	100	2/5/2013 06:51 PM
Xylenes, Total	5,300		300	µg/L	100	2/5/2013 06:51 PM
Surr: 1,2-Dichloroethane-d4	91.2		70-120	%REC	100	2/5/2013 06:51 PM
Surr: 4-Bromofluorobenzene	97.7		75-120	%REC	100	2/5/2013 06:51 PM
Surr: Dibromofluoromethane	93.8		85-115	%REC	100	2/5/2013 06:51 PM
Surr: Toluene-d8	98.6		85-120	%REC	100	2/5/2013 06:51 PM
ANIONS BY ION CHROMATOGRAPHY			SW9056			Analyst: ED
Chloride	19,000		1,000	mg/L	1000	2/6/2013 12:46 PM
Sulfate	100		50	mg/L	50	2/6/2013 01:46 PM
TOTAL DISSOLVED SOLIDS			A2540 C			Analyst: YM
Total Dissolved Solids	30,000		10	mg/L	1	2/6/2013 02:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 07-Feb-13

Client: HRL Compliance Solutions

Project: Gunnison SPU 23-33 Prod. Water Spill 13-121

Sample ID: EAST TANK

Collection Date: 2/4/2013 02:40 PM

Work Order: 1302089

Lab ID: 1302089-02

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			SW8260			Analyst: AK
Benzene	1,300		100	µg/L	100	2/5/2013 06:26 PM
Ethylbenzene	350		100	µg/L	100	2/5/2013 06:26 PM
m,p-Xylene	4,400		200	µg/L	100	2/5/2013 06:26 PM
o-Xylene	1,300		100	µg/L	100	2/5/2013 06:26 PM
Toluene	3,300		100	µg/L	100	2/5/2013 06:26 PM
Xylenes, Total	5,700		300	µg/L	100	2/5/2013 06:26 PM
Surr: 1,2-Dichloroethane-d4	90.0		70-120	%REC	100	2/5/2013 06:26 PM
Surr: 4-Bromofluorobenzene	96.1		75-120	%REC	100	2/5/2013 06:26 PM
Surr: Dibromofluoromethane	91.6		85-115	%REC	100	2/5/2013 06:26 PM
Surr: Toluene-d8	97.7		85-120	%REC	100	2/5/2013 06:26 PM
ANIONS BY ION CHROMATOGRAPHY			SW9056			Analyst: ED
Chloride	21,000		2,000	mg/L	2000	2/6/2013 02:27 PM
Sulfate	97		50	mg/L	50	2/6/2013 02:07 PM
TOTAL DISSOLVED SOLIDS			A2540 C			Analyst: YM
Total Dissolved Solids	32,000		10	mg/L	1	2/6/2013 02:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 07-Feb-13

Client: HRL Compliance Solutions

QC BATCH REPORT

Work Order: 1302089

Project: Gunnison SPU 23-33 Prod. Water Spill 13-121

Batch ID: **R115881A**

Instrument ID **VMS7**

Method: **SW8260**

MBLK		Sample ID: VBLKW1-130205-R115881A				Units: µg/L		Analysis Date: 2/5/2013 11:36 AM		
Client ID:		Run ID: VMS7_130205A				SeqNo: 2208716		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Ethylbenzene	ND	1.0								
m,p-Xylene	ND	2.0								
o-Xylene	ND	1.0								
Toluene	ND	1.0								
Xylenes, Total	ND	3.0								
Surr: 1,2-Dichloroethane-d4	18.37	0	20	0	91.8	70-120	0			
Surr: 4-Bromofluorobenzene	19.91	0	20	0	99.6	75-120	0			
Surr: Dibromofluoromethane	19.06	0	20	0	95.3	85-115	0			
Surr: Toluene-d8	18.87	0	20	0	94.4	85-120	0			

LCS		Sample ID: VLCSW1-130205-R115881A				Units: µg/L		Analysis Date: 2/5/2013 10:46 AM		
Client ID:		Run ID: VMS7_130205A				SeqNo: 2208446		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.5	1.0	20	0	97.5	80-120	0			
Ethylbenzene	20.86	1.0	20	0	104	75-125	0			
m,p-Xylene	41.26	2.0	40	0	103	75-130	0			
o-Xylene	20.97	1.0	20	0	105	80-120	0			
Toluene	19.94	1.0	20	0	99.7	75-120	0			
Xylenes, Total	62.23	3.0	60	0	104	75-130	0			
Surr: 1,2-Dichloroethane-d4	18.68	0	20	0	93.4	70-120	0			
Surr: 4-Bromofluorobenzene	20.62	0	20	0	103	75-120	0			
Surr: Dibromofluoromethane	19.14	0	20	0	95.7	85-115	0			
Surr: Toluene-d8	19.54	0	20	0	97.7	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1302089
Project: Gunnison SPU 23-33 Prod. Water Spill 13-121

QC BATCH REPORT

Batch ID: **R115881A** Instrument ID **VMS7** Method: **SW8260**

MS				Sample ID: 1302089-02A MS			Units: µg/L		Analysis Date: 2/5/2013 08:33 PM	
Client ID: EAST TANK				Run ID: VMS7_130205A			SeqNo: 2209350		Prep Date:	
									DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	4054	100	2000	1291	138	80-120	0			S
Ethylbenzene	2227	100	2000	349	93.9	75-125	0			
m,p-Xylene	7635	200	4000	4365	81.8	75-130	0			
o-Xylene	3004	100	2000	1289	85.8	80-120	0			
Toluene	5722	100	2000	3299	121	75-120	0			S
Xylenes, Total	10640	300	6000	5654	83.1	75-130	0			
Surr: 1,2-Dichloroethane-d4	1825	0	2000	0	91.2	70-120	0			
Surr: 4-Bromofluorobenzene	2001	0	2000	0	100	75-120	0			
Surr: Dibromofluoromethane	1932	0	2000	0	96.6	85-115	0			
Surr: Toluene-d8	1954	0	2000	0	97.7	85-120	0			

MSD				Sample ID: 1302089-02A MSD			Units: µg/L		Analysis Date: 2/5/2013 08:58 PM	
Client ID: EAST TANK				Run ID: VMS7_130205A			SeqNo: 2209351		Prep Date:	
									DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	3932	100	2000	1291	132	80-120	4054	3.06	30	S
Ethylbenzene	2237	100	2000	349	94.4	75-125	2227	0.448	30	
m,p-Xylene	7633	200	4000	4365	81.7	75-130	7635	0.0262	30	
o-Xylene	3053	100	2000	1289	88.2	80-120	3004	1.62	30	
Toluene	5656	100	2000	3299	118	75-120	5722	1.16	30	
Xylenes, Total	10690	300	6000	5654	83.9	75-130	10640	0.441	30	
Surr: 1,2-Dichloroethane-d4	1826	0	2000	0	91.3	70-120	1825	0.0548	30	
Surr: 4-Bromofluorobenzene	2030	0	2000	0	102	75-120	2001	1.44	30	
Surr: Dibromofluoromethane	1893	0	2000	0	94.6	85-115	1932	2.04	30	
Surr: Toluene-d8	1956	0	2000	0	97.8	85-120	1954	0.102	30	

The following samples were analyzed in this batch:

1302089-01A 1302089-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1302089
Project: Gunnison SPU 23-33 Prod. Water Spill 13-121

QC BATCH REPORT

Batch ID: **R115979** Instrument ID **TDS** Method: **A2540 C**

MBLK	Sample ID: MBLK-R115979					Units: mg/L		Analysis Date: 2/6/2013 02:00 PM		
Client ID:	Run ID: TDS_130206A				SeqNo: 2210447		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Total Dissolved Solids ND 10

LCS	Sample ID: LCS-R115979					Units: mg/L		Analysis Date: 2/6/2013 02:00 PM		
Client ID:	Run ID: TDS_130206A				SeqNo: 2210446		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Total Dissolved Solids 495 10 495 0 100 80-120 0

DUP	Sample ID: 1302089-02B DUP					Units: mg/L		Analysis Date: 2/6/2013 02:00 PM		
Client ID: EAST TANK	Run ID: TDS_130206A				SeqNo: 2210443		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Total Dissolved Solids 32260 10 0 0 0 -0 0 32040 0.697 20

The following samples were analyzed in this batch:

1302089-01B 1302089-02B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1302089
Project: Gunnison SPU 23-33 Prod. Water Spill 13-121

QC BATCH REPORT

Batch ID: **R115981** Instrument ID **IC4** Method: **SW9056**

MBLK		Sample ID: MBLK-R115981				Units: mg/L		Analysis Date: 2/6/2013 09:55 AM		
Client ID:		Run ID: IC4_130206A				SeqNo: 2210500		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	0.3194	1.0								J
Sulfate	ND	1.0								

LCS		Sample ID: LCS-R115981				Units: mg/L		Analysis Date: 2/6/2013 09:35 AM		
Client ID:		Run ID: IC4_130206A				SeqNo: 2210499		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	9.899	1.0	10	0	99	88-107	0			
Sulfate	10.16	1.0	10	0	102	85-110	0			

MS		Sample ID: 1302126-01A MS				Units: mg/L		Analysis Date: 2/6/2013 12:05 PM		
Client ID:		Run ID: IC4_130206A				SeqNo: 2210510		Prep Date:		DF: 20
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	107.8	20	100	11.58	96.3	75-125	0			
Sulfate	310.5	20	100	205.9	105	75-125	0			

MSD		Sample ID: 1302126-01A MSD				Units: mg/L		Analysis Date: 2/6/2013 12:25 PM		
Client ID:		Run ID: IC4_130206A				SeqNo: 2210511		Prep Date:		DF: 20
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	104.3	20	100	11.58	92.8	75-125	107.8	3.3	20	
Sulfate	308.1	20	100	205.9	102	75-125	310.5	0.794	20	

The following samples were analyzed in this batch:

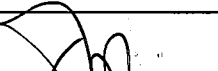
1302089-01B	1302089-02B
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

[illegible]

*Time Zone (Circle): EST CST **MST** PST Matrix: O = oil S = soil NS = non-soil solid W = water **L** = liquid E = extract F = filter

For metals or anions, please detail analytes below.

Comments: <div style="text-align: center;">  </div>	QC PACKAGE (check below)	
	<input checked="" type="checkbox"/>	LEVEL II (Standard QC)
	<input type="checkbox"/>	LEVEL III (Std QC + forms)
	<input type="checkbox"/>	LEVEL IV (Std QC + forms + raw data)
	<input type="checkbox"/>	
Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035		

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY		Dan Pinegar	2/4/2013	5:00 PM
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

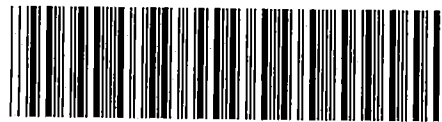
FedEx® US Airbill
Express

8681 6428 9848

Form

FedEx Retrieval Copy

1 From
Date 2-4-13 Sender's FedEx Account Number
Sender's Name DANDINISAR Phone 970 743 3331
Company HCSE
Address 2385 F1/2 RD
City GRAND JUNCTION State CO ZIP 81505
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To request a package be held at a specific FedEx location, print FedEx address here.
City GRAND JUNCTION State CO ZIP 81505



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4a Express

- 1 ☒ FedEx Priority
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be delivered
unless SATUR
2 ☐ FedEx 2Day
Second business
day shipments
will be delivered
unless SATUR
3 ☐ FedEx Overnight
Next business day
shipments will
be delivered
unless SATUR

4b Express

- 7 ☐ FedEx International
Next business day
shipments will
be delivered
unless SATUR
* Call for Confirmation

5 Package

- 6 ☐ FedEx Envelope

6 Special

- 3 ☐ SATURDAY
Not available
for FedEx Standard
FedEx First Overnight
or FedEx
Does the
package contain
dangerous goods (fr
ammable, corrosive,
explosive, flammable
liquid, etc.)
1 ☐ Sender
Account No. in
Section 1 will
be billed.

7 Payment

- 1 ☐ Sender
Account No. in
Section 1 will
be billed.

8 Residential Delivery Signature Options

- 1 ☐ No Signature
Required
Package may be left
without obtaining a
signature for delivery.
10 ☐ Direct Signature
Someone at recipient's
address may sign for
delivery. Fee applies.
34 ☐ Indirect Signature
If no one is available at
recipient's address, someone
at a neighboring address may
sign for delivery. Fee applies.

Our liability is limited to \$100 unless you declare a higher value. See the current FedEx Service Guide for details. Credit Card Auth.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

No Signature Required 10 Direct Signature 34 Indirect Signature
Package may be left without obtaining a signature for delivery. Fee applies.
Someone at recipient's address may sign for delivery. Fee applies.
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.

520

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fedex.com 1.800.GoFedEx 1.800.463.3339

Sample Receipt Checklist

Client Name: HRL

Date/Time Received: 05-Feb-13 10:30

Work Order: 1302089

Received by: KRW

Checklist completed by Ann Preston 05-Feb-13
eSignature Date

Reviewed by: Ann Preston 05-Feb-13
eSignature Date

Matrices: water

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>5.0 C</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>2/5/2013 10:58:13 AM</u>		
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
pH adjusted by:			
Login Notes:			

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: