

3R-1027

**Release Report/ General
Correspondence**

Soil C-141

Date: 2015

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

JUL 06 2015

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office to
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Burlington Resources Oil & Gas Company	Contact Lindsay Dumas
Address 3401 East 30th St, Farmington, NM	Telephone No. (505) 599-4089
Facility Name: San Juan 28-6 79	Facility Type: Gas
Surface Owner: BLM	Mineral Owner SF-079363 API No. 3003907110

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	11	27N	6W	1180'	FSL	1090'	FWL	Rio Arriba

Latitude 36.586122 Longitude -107.441047

NATURE OF RELEASE

Type of Release Natural Gas and Hydrocarbon	Volume of Release Unknown	Volume Recovered 0
Source of Release Flowline to meter run	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 3/26/2015
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Jim Griswold, Glenn VonGonten, Cory Smith, and Brandon Powell	
By Whom? Lindsay Dumas	Date and Hour 3/26/2015 at 4:49pm	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. Unknown	

If a Watercourse was Impacted, Describe Fully.*

Contaminated groundwater was encountered during pipeline excavation.

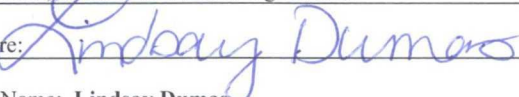
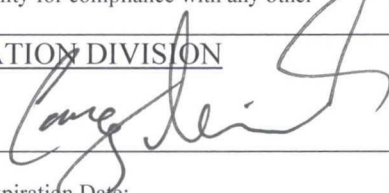
Describe Cause of Problem and Remedial Action Taken.*

A flowline from the San Juan 28-6 #79 to the meter run, across the Carrizo Wash, was found to have two holes. Actual excavation is at 36.586122, -107.441047 and on Fee surface. Contaminated groundwater was encountered during the pipeline excavation.

Describe Area Affected and Cleanup Action Taken.*

COP removed all contaminated soil from excavation sidewalls and confirmed groundwater contamination.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Lindsay Dumas	Approved by Environmental Specialist: 	
Title: Field Environmental Specialist	Approval Date: 7/8/15	Expiration Date:
E-mail Address: Lindsay.Dumas@conocophillips.com	Conditions of Approval:	Attached ☐
Date: 6/18/2015 Phone: (505) 599-4089	Additional Ground Water Remediation Req. Contact Santa Fe 3R-	

* Attach Additional Sheets If Necessary

FIGURE 3

AERIAL SITE MAP, FINAL EXCAVATION SAMPLE LOCATIONS AND RESULTS APRIL 2015

ConocoPhillips
SAN JUAN 28-6 #79 PIPELINE RELEASE
NW¼, SW¼, SECTION 11, T27N, R6W
RIO ARriba COUNTY, NEW MEXICO
N36.58613, W107.44110



Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: April 7, 2015
REVISIONS BY: C. Lameman	DATE REVISED: April 8, 2015
CHECKED BY: E. Skyles	DATE CHECKED: April 8, 2015
APPROVED BY: E. McNally	DATE APPROVED: April 8, 2015

LEGEND

- SAMPLE LOCATIONS
- BURIED PIPELINE

Field Soil Sampling Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			—	100
SC-1	4/2/15	1 to 8	0.9	20.6
SC-2	4/2/15	1 to 8	41.9	<20.0
SC-3	4/2/15	1 to 8	3.8	<20.0
SC-4	4/2/15	1 to 8	2.8	22.0
SC-5	4/7/15	1 to 8	1.7	<20.0
SC-6	4/7/15	1 to 8	0.2	<20.0
SC-7	4/7/15	1 to 8	0.8	<20.0

ALL SAMPLES WERE COMPOSITE SAMPLES.

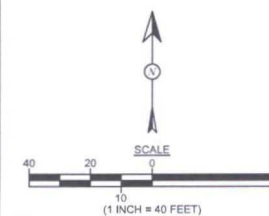
FINAL EXCAVATION AREA
30 FT. W x 32 FT. L x 8 FT. DEEP

RELEASE LOCATION
N36.58613, W107.44110

BURIED PIPELINE

Soil Laboratory Analytical Results						
Sample ID	Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	TPH - MRO (mg/kg)
NMOCD ACTION LEVEL		10	50	100		
SC-1	4/2/15	<0.040	<0.199	<4.0	<9.8	<49
SC-2	4/2/15	<0.039	<0.194	<3.9	<10	<50
SC-3	4/2/15	<0.037	<0.186	<3.7	<10	<50
SC-4	4/2/15	<0.038	<0.190	<3.8	<9.9	<49
SC-5	4/7/15					
SC-6	4/7/15					
SC-7	4/7/15					
ALL SAMPLES WERE ANALYZED PER ISEDA METHOD 8071B AND 8015D						

ALL SAMPLES WERE ANALYZED PER USEPA METHOD 8021B AND 8015D.





Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 08, 2015

Emilee Skyles

Animas Environmental

604 Pinon Street

Farmington, NM 87401

TEL: (505) 564-2281

FAX

RE: CoP SJ 28-6 #79

OrderNo.: 1504168

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 4 sample(s) on 4/4/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical ReportLab Order **1504168**Date Reported: **4/8/2015****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Animas Environmental**Client Sample ID:** SC-1**Project:** CoP SJ 28-6 #79**Collection Date:** 4/2/2015 2:35:00 PM**Lab ID:** 1504168-001**Matrix:** SOIL**Received Date:** 4/4/2015 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/7/2015 10:39:53 AM	18527
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/7/2015 10:39:53 AM	18527
Surr: DNOP	90.4	63.5-128		%REC	1	4/7/2015 10:39:53 AM	18527
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	4/7/2015 3:54:09 PM	18532
Surr: BFB	85.6	80-120		%REC	1	4/7/2015 3:54:09 PM	18532
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.040		mg/Kg	1	4/7/2015 3:54:09 PM	18532
Toluene	ND	0.040		mg/Kg	1	4/7/2015 3:54:09 PM	18532
Ethylbenzene	ND	0.040		mg/Kg	1	4/7/2015 3:54:09 PM	18532
Xylenes, Total	ND	0.079		mg/Kg	1	4/7/2015 3:54:09 PM	18532
Surr: 4-Bromofluorobenzene	98.2	80-120		%REC	1	4/7/2015 3:54:09 PM	18532

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1504168

Date Reported: 4/8/2015

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental**Client Sample ID:** SC-2**Project:** CoP SJ 28-6 #79**Collection Date:** 4/2/2015 2:32:00 PM**Lab ID:** 1504168-002**Matrix:** SOIL**Received Date:** 4/4/2015 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/7/2015 11:06:56 AM	18527
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/7/2015 11:06:56 AM	18527
Surr: DNOP	89.2	63.5-128		%REC	1	4/7/2015 11:06:56 AM	18527
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	4/7/2015 4:22:54 PM	18532
Surr: BFB	87.4	80-120		%REC	1	4/7/2015 4:22:54 PM	18532
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.039		mg/Kg	1	4/7/2015 4:22:54 PM	18532
Toluene	ND	0.039		mg/Kg	1	4/7/2015 4:22:54 PM	18532
Ethylbenzene	ND	0.039		mg/Kg	1	4/7/2015 4:22:54 PM	18532
Xylenes, Total	ND	0.077		mg/Kg	1	4/7/2015 4:22:54 PM	18532
Surr: 4-Bromofluorobenzene	97.3	80-120		%REC	1	4/7/2015 4:22:54 PM	18532

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1504168

Date Reported: 4/8/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-3

Project: CoP SJ 28-6 #79

Collection Date: 4/2/2015 5:15:00 PM

Lab ID: 1504168-003

Matrix: SOIL

Received Date: 4/4/2015 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/7/2015 11:34:02 AM	18527
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/7/2015 11:34:02 AM	18527
Surr: DNOP	89.6	63.5-128		%REC	1	4/7/2015 11:34:02 AM	18527
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	4/7/2015 4:51:37 PM	18532
Surr: BFB	84.6	80-120		%REC	1	4/7/2015 4:51:37 PM	18532
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.037		mg/Kg	1	4/7/2015 4:51:37 PM	18532
Toluene	ND	0.037		mg/Kg	1	4/7/2015 4:51:37 PM	18532
Ethylbenzene	ND	0.037		mg/Kg	1	4/7/2015 4:51:37 PM	18532
Xylenes, Total	ND	0.075		mg/Kg	1	4/7/2015 4:51:37 PM	18532
Surr: 4-Bromofluorobenzene	94.4	80-120		%REC	1	4/7/2015 4:51:37 PM	18532

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1504168

Date Reported: 4/8/2015

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental**Client Sample ID:** SC-4**Project:** CoP SJ 28-6 #79**Collection Date:** 4/2/2015 4:08:00 PM**Lab ID:** 1504168-004**Matrix:** SOIL**Received Date:** 4/4/2015 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/7/2015 12:00:54 PM	18527
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/7/2015 12:00:54 PM	18527
Surr: DNOP	90.4	63.5-128		%REC	1	4/7/2015 12:00:54 PM	18527
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	4/7/2015 5:20:23 PM	18532
Surr: BFB	84.4	80-120		%REC	1	4/7/2015 5:20:23 PM	18532
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.038		mg/Kg	1	4/7/2015 5:20:23 PM	18532
Toluene	ND	0.038		mg/Kg	1	4/7/2015 5:20:23 PM	18532
Ethylbenzene	ND	0.038		mg/Kg	1	4/7/2015 5:20:23 PM	18532
Xylenes, Total	ND	0.076		mg/Kg	1	4/7/2015 5:20:23 PM	18532
Surr: 4-Bromofluorobenzene	92.9	80-120		%REC	1	4/7/2015 5:20:23 PM	18532

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1504168

08-Apr-15

Client: Animas Environmental

Project: CoP SJ 28-6 #79

Sample ID	MB-18527	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	18527	RunNo:	25330					
Prep Date:	4/6/2015	Analysis Date:	4/7/2015	SeqNo:	749672	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		89.7	63.5	128			

Sample ID	LCS-18527	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	18527	RunNo:	25330					
Prep Date:	4/6/2015	Analysis Date:	4/7/2015	SeqNo:	749674	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.3	67.8	130			
Surr: DNOP	4.7		5.000		93.2	63.5	128			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1504168

08-Apr-15

Client: Animas Environmental

Project: CoP SJ 28-6 #79

Sample ID	LCS-18532		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: 18532		RunNo: 25343					
Prep Date:	4/6/2015		Analysis Date: 4/7/2015		SeqNo: 750025		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.1	64	130			
Surr: BFB	910		1000		91.0	80	120			

Sample ID	MB-18532		SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	PBS		Batch ID: 18532		RunNo: 25343					
Prep Date:	4/6/2015		Analysis Date: 4/7/2015		SeqNo: 750026		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	860		1000		85.6	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1504168

08-Apr-15

Client: Animas Environmental

Project: CoP SJ 28-6 #79

Sample ID	LCS-18532		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	18532		RunNo:	25343			
Prep Date:	4/6/2015		Analysis Date:	4/7/2015		SeqNo:	750068		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	104	76.6	128			
Toluene	0.99	0.050	1.000	0	98.6	75	124			
Ethylbenzene	1.0	0.050	1.000	0	103	79.5	126			
Xylenes, Total	3.1	0.10	3.000	0	103	78.8	124			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Sample ID	MB-18532		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	18532		RunNo:	25343			
Prep Date:	4/6/2015		Analysis Date:	4/7/2015		SeqNo:	750069		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		98.4	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1504168

RcptNo: 1

Received by/date:

AT 04/04/15

Logged By: Anne Thorne

4/4/2015 8:00:00 AM

Anne Thorne

Completed By: Anne Thorne

4/6/2015

Anne Thorne

Reviewed By:

CS

04/06/15

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Turn-Around Time:

☒ Standard ☐ Rush

☒ Standard ☐ Rush

Project Name:

www.hallenvironmental.com

Project #:

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Project Manager:

Emilee Skyles

Sampler: D. Davis

On Ice: ☒ Yes ☐ No☐ NELAP ☐ Other☐ EDD (Type)Sample Temperature: 70°C [illegible]

Date:	Time:	Relinquished by:	Received by:	Date	Time
4/3/15	1708			4/3/15	1708

Remarks: Bill to Conoco Phillips
20648928
Supervisor: Bobby Spearman
Ordered By: Dale Gallegos

WO#
USER: BRADI
Area: 2

Date:	Time:	Relinquished by:	Received by:	Date	Time
4/3/15	1757	Mistral Waelen	Ch Th	04/04/15	0900



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 10, 2015

Emilee Skyles

Animas Environmental
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: CoP SJ 28-6 #79

OrderNo.: 1504286

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 3 sample(s) on 4/8/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical ReportLab Order **1504286**Date Reported: **4/10/2015****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Animas Environmental**Client Sample ID:** SC-5**Project:** CoP SJ 28-6 #79**Collection Date:** 4/7/2015 2:40:00 PM**Lab ID:** 1504286-001**Matrix:** MEOH (SOIL)**Received Date:** 4/8/2015 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/9/2015 1:54:27 PM	18574
Motor Oil Range Organics (MRO)	53	51		mg/Kg	1	4/9/2015 1:54:27 PM	18574
Surr: DNOP	98.0	63.5-128		%REC	1	4/9/2015 1:54:27 PM	18574
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	4/9/2015 12:12:45 AM	18551
Surr: BFB	86.8	80-120		%REC	1	4/9/2015 12:12:45 AM	18551
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.036		mg/Kg	1	4/9/2015 12:12:45 AM	18551
Toluene	ND	0.036		mg/Kg	1	4/9/2015 12:12:45 AM	18551
Ethylbenzene	ND	0.036		mg/Kg	1	4/9/2015 12:12:45 AM	18551
Xylenes, Total	ND	0.072		mg/Kg	1	4/9/2015 12:12:45 AM	18551
Surr: 4-Bromofluorobenzene	96.4	80-120		%REC	1	4/9/2015 12:12:45 AM	18551

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1504286

Date Reported: 4/10/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-6

Project: CoP SJ 28-6 #79

Collection Date: 4/7/2015 2:59:00 PM

Lab ID: 1504286-002

Matrix: MEOH (SOIL)

Received Date: 4/8/2015 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/9/2015 3:15:03 PM	18574
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/9/2015 3:15:03 PM	18574
Surr: DNOP	98.1	63.5-128		%REC	1	4/9/2015 3:15:03 PM	18574
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	4/9/2015 12:41:26 AM	18551
Surr: BFB	85.7	80-120		%REC	1	4/9/2015 12:41:26 AM	18551
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.035		mg/Kg	1	4/9/2015 12:41:26 AM	18551
Toluene	ND	0.035		mg/Kg	1	4/9/2015 12:41:26 AM	18551
Ethylbenzene	ND	0.035		mg/Kg	1	4/9/2015 12:41:26 AM	18551
Xylenes, Total	ND	0.070		mg/Kg	1	4/9/2015 12:41:26 AM	18551
Surr: 4-Bromofluorobenzene	96.9	80-120		%REC	1	4/9/2015 12:41:26 AM	18551

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1504286**Date Reported: **4/10/2015****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Animas Environmental**Client Sample ID:** SC-7**Project:** CoP SJ 28-6 #79**Collection Date:** 4/7/2015 3:15:00 PM**Lab ID:** 1504286-003**Matrix:** MEOH (SOIL)**Received Date:** 4/8/2015 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/9/2015 3:41:38 PM	18574
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/9/2015 3:41:38 PM	18574
Surr: DNOP	102	63.5-128		%REC	1	4/9/2015 3:41:38 PM	18574
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	4/9/2015 1:10:03 AM	18551
Surr: BFB	84.8	80-120		%REC	1	4/9/2015 1:10:03 AM	18551
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.035		mg/Kg	1	4/9/2015 1:10:03 AM	18551
Toluene	ND	0.035		mg/Kg	1	4/9/2015 1:10:03 AM	18551
Ethylbenzene	ND	0.035		mg/Kg	1	4/9/2015 1:10:03 AM	18551
Xylenes, Total	ND	0.069		mg/Kg	1	4/9/2015 1:10:03 AM	18551
Surr: 4-Bromofluorobenzene	94.5	80-120		%REC	1	4/9/2015 1:10:03 AM	18551

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1504286

10-Apr-15

Client: Animas Environmental

Project: CoP SJ 28-6 #79

Sample ID	MB-18574	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	18574	RunNo:	25386					
Prep Date:	4/8/2015	Analysis Date:	4/9/2015	SeqNo:	751714	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.6		10.00		95.5	63.5	128			

Sample ID	LCS-18574	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	18574	RunNo:	25386					
Prep Date:	4/8/2015	Analysis Date:	4/9/2015	SeqNo:	751806	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.1	67.8	130			
Surr: DNOP	4.6		5.000		92.4	63.5	128			

Sample ID	1504286-001AMS	SampType:	MS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	SC-5	Batch ID:	18574	RunNo:	25386					
Prep Date:	4/8/2015	Analysis Date:	4/9/2015	SeqNo:	751808	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.56	6.298	83.9	29.2	176			
Surr: DNOP	4.7		5.056		92.7	63.5	128			

Sample ID	1504286-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	SC-5	Batch ID:	18574	RunNo:	25386					
Prep Date:	4/8/2015	Analysis Date:	4/9/2015	SeqNo:	751886	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.40	6.298	89.9	29.2	176	5.78	23	
Surr: DNOP	5.1		5.040		101	63.5	128	0	0	

Sample ID	MB-18546	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	18546	RunNo:	25386					
Prep Date:	4/7/2015	Analysis Date:	4/9/2015	SeqNo:	752140	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		100	63.5	128			

Sample ID	LCS-18546	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	18546	RunNo:	25386					
Prep Date:	4/7/2015	Analysis Date:	4/9/2015	SeqNo:	752142	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1504286

10-Apr-15

Client: Animas Environmental

Project: CoP SJ 28-6 #79

Sample ID	LCS-18546	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	18546	RunNo:	25386					
Prep Date:	4/7/2015	Analysis Date:	4/9/2015	SeqNo:	752142	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.6		5.000		131	63.5	128			S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1504286

10-Apr-15

Client: Animas Environmental

Project: CoP SJ 28-6 #79

Sample ID	MB-18551	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	18551	RunNo:	25375					
Prep Date:	4/7/2015	Analysis Date:	4/8/2015	SeqNo:	751117	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	840		1000		84.0	80	120			

Sample ID	LCS-18551	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	18551	RunNo:	25375					
Prep Date:	4/7/2015	Analysis Date:	4/8/2015	SeqNo:	751118	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.7	64	130			
Surr: BFB	900		1000		90.4	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1504286

10-Apr-15

Client: Animas Environmental

Project: CoP SJ 28-6 #79

Sample ID	MB-18551		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	18551		RunNo:	25375			
Prep Date:	4/7/2015		Analysis Date:	4/8/2015		SeqNo:	750899		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		94.8	80	120			

Sample ID	LCS-18551		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	18551		RunNo:	25375			
Prep Date:	4/7/2015		Analysis Date:	4/8/2015		SeqNo:	750900		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.050	1.000	0	119	76.6	128			
Toluene	1.1	0.050	1.000	0	115	75	124			
Ethylbenzene	1.2	0.050	1.000	0	117	79.5	126			
Xylenes, Total	3.5	0.10	3.000	0	117	78.8	124			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1504286

RcptNo: 1

Received by/date:

[Signature] 04/08/15

Logged By: Lindsay Mangin

4/8/2015 6:50:00 AM

[Signature]

Completed By: Lindsay Mangin

4/8/2015 7:51:01 AM

[Signature]

Reviewed By:

CS 04/08/15

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.2	Good	Yes			

Client: Animas Environmental Services

Mailing Address: 604 W Pinon St

Farmington, NM 87401

505-564-2281

mail or Fax#: eskyles@animasenvironmental.com

A/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

ccreditation:

☐ NELAP ☐ Other

1 EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

CoP SJ 28-6 #79

Project #:

Project Manager:

Emilee Skyles

Sampler: D. Davis

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.2

[illegible]

Date:	Time:	Relinquished by:	Received by:	Date	Time
7/15	1749	[Signature]	[Signature]	4/7/15	1749
Date:	Time:	Relinquished by:	Received by:	Date	Time
7/15	1810	[Signature]	[Signature]	04/08/15	0651



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

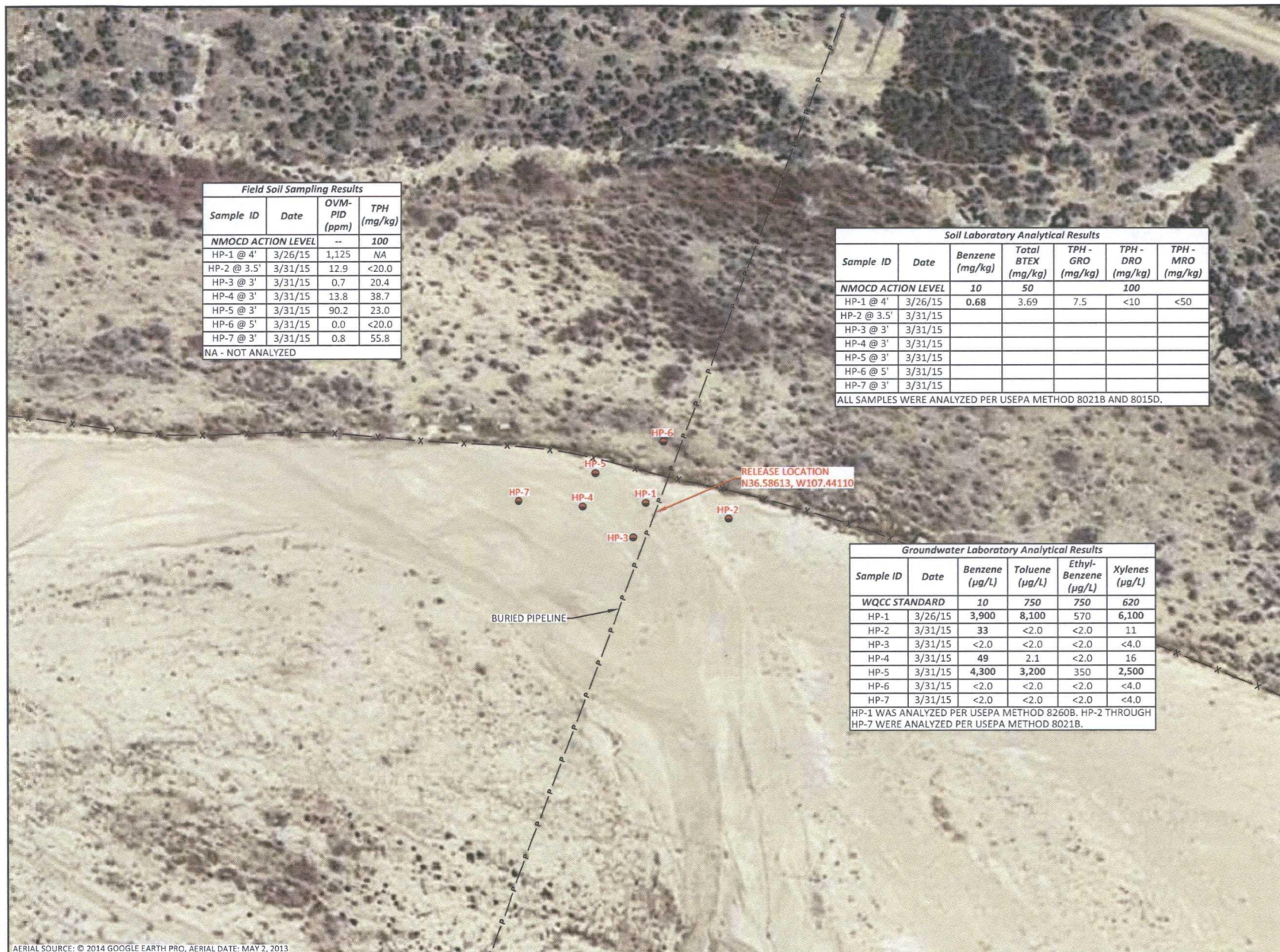
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

Remarks: Bill to Conoco Phillips
20648928
Supervisor: Bobby Spearman
Ordered By: Dale Gallegos

WO#
USER: BRADL
Area: 2



AERIAL SOURCE: © 2014 GOOGLE EARTH PRO, AERIAL DATE: MAY 2, 2013

FIGURE 2

**AERIAL SITE MAP,
HYDROPUNCH LOCATIONS
AND RESULTS
MARCH 2015**

ConocoPhillips
SAN JUAN 28-6 #79 PIPELINE RELEASE
NW¼ SW¼, SECTION 11, T27N, R6W
RIO ARriba COUNTY, NEW MEXICO
N36.58613, W107.44110

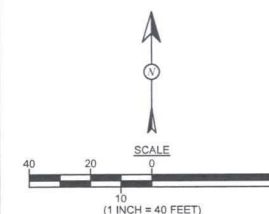


Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: April 7, 2015
REVISIONS BY: C. Lameman	DATE REVISED: April 8, 2015
CHECKED BY: E. Skyles	DATE CHECKED: April 8, 2015
APPROVED BY: E. McNally	DATE APPROVED: April 8, 2015

LEGEND

- SAMPLE LOCATIONS
- BURIED PIPELINE



Analytical ReportLab Order **1503C73**

Date Reported:

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental**Client Sample ID:** HP-1 @ 4'**Project:** CoP SJ 28-6 # 79**Collection Date:** 3/26/2015 10:10:00 AM**Lab ID:** 1503C73-001**Matrix:** MEOH (SOIL)**Received Date:** 3/27/2015 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/27/2015 11:20:14 AM	18374
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/27/2015 11:20:14 AM	18374
Surr: DNOP	95.9	63.5-128		%REC	1	3/27/2015 11:20:14 AM	18374
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	7.5	3.1		mg/Kg	1	3/27/2015 9:55:26 AM	R25120
Surr: BFB	101	80-120		%REC	1	3/27/2015 9:55:26 AM	R25120
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.68	0.031		mg/Kg	1	3/27/2015 9:55:26 AM	R25120
Toluene	1.5	0.031		mg/Kg	1	3/27/2015 9:55:26 AM	R25120
Ethylbenzene	0.11	0.031		mg/Kg	1	3/27/2015 9:55:26 AM	R25120
Xylenes, Total	1.4	0.063		mg/Kg	1	3/27/2015 9:55:26 AM	R25120
Surr: 4-Bromofluorobenzene	115	80-120		%REC	1	3/27/2015 9:55:26 AM	R25120

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1503C73

Date Reported:

CLIENT: Animas Environmental

Client Sample ID: HP-1

Project: CoP SJ 28-6 # 79

Collection Date: 3/26/2015 11:15:00 AM

Lab ID: 1503C73-002

Matrix: AQUEOUS

Received Date: 3/27/2015 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Fluoride	ND	0.50		mg/L	5	3/27/2015 10:51:00 AM	R25117
Chloride	3.4	2.5		mg/L	5	3/27/2015 10:51:00 AM	R25117
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	3/27/2015 10:51:00 AM	R25117
Bromide	ND	0.50		mg/L	5	3/27/2015 10:51:00 AM	R25117
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	3/27/2015 10:51:00 AM	R25117
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	3/27/2015 10:51:00 AM	R25117
Sulfate	22	2.5		mg/L	5	3/27/2015 10:51:00 AM	R25117
EPA METHOD 6010B: DISSOLVED METALS							Analyst: JLF
Calcium	72	1.0		mg/L	1	3/27/2015 1:36:47 PM	R25123
Magnesium	8.9	1.0		mg/L	1	3/27/2015 1:36:47 PM	R25123
Potassium	2.0	1.0		mg/L	1	3/27/2015 1:36:47 PM	R25123
Sodium	110	10		mg/L	10	3/27/2015 1:38:32 PM	R25123
SM2510B: SPECIFIC CONDUCTANCE							Analyst: JRR
Conductivity	800	0.010		µmhos/cm	1	3/27/2015 12:24:03 PM	R25116
SM2320B: ALKALINITY							Analyst: JRR
Bicarbonate (As CaCO3)	422.3	20.00		mg/L CaCO3	1	3/27/2015 12:24:03 PM	R25116
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	3/27/2015 12:24:03 PM	R25116
Total Alkalinity (as CaCO3)	422.3	20.00		mg/L CaCO3	1	3/27/2015 12:24:03 PM	R25116

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report

Lab Order 1503C73

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: HP-1

Project: CoP SJ 28-6 # 79

Collection Date: 3/26/2015 11:00:00 AM

Lab ID: 1503C73-003

Matrix: AQUEOUS

Received Date: 3/27/2015 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: DJF
Benzene	3900	200		µg/L	200	3/27/2015 1:51:38 PM	R25121
Toluene	8100	200		µg/L	200	3/27/2015 1:51:38 PM	R25121
Ethylbenzene	570	200		µg/L	200	3/27/2015 1:51:38 PM	R25121
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,2,4-Trimethylbenzene	280	200		µg/L	200	3/27/2015 1:51:38 PM	R25121
1,3,5-Trimethylbenzene	150	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Naphthalene	7.7	4.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1-Methylnaphthalene	ND	8.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
2-Methylnaphthalene	ND	8.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Acetone	ND	20		µg/L	2	3/27/2015 12:44:20 PM	R25121
Bromobenzene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Bromodichloromethane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Bromoform	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Bromomethane	ND	6.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
2-Butanone	ND	20		µg/L	2	3/27/2015 12:44:20 PM	R25121
Carbon disulfide	ND	20		µg/L	2	3/27/2015 12:44:20 PM	R25121
Carbon Tetrachloride	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Chlorobenzene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Chloroethane	ND	4.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Chloroform	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Chloromethane	ND	6.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
2-Chlorotoluene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
4-Chlorotoluene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
cis-1,2-DCE	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Dibromochloromethane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Dibromomethane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,2-Dichlorobenzene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,3-Dichlorobenzene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,4-Dichlorobenzene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Dichlorodifluoromethane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,1-Dichloroethane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,1-Dichloroethene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,2-Dichloropropane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,3-Dichloropropane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
2,2-Dichloropropane	ND	4.0		µg/L	2	3/27/2015 12:44:20 PM	R25121

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1503C73

Date Reported:

CLIENT: Animas Environmental

Client Sample ID: HP-1

Project: CoP SJ 28-6 # 79

Collection Date: 3/26/2015 11:00:00 AM

Lab ID: 1503C73-003

Matrix: AQUEOUS

Received Date: 3/27/2015 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: DJF
1,1-Dichloropropene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Hexachlorobutadiene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
2-Hexanone	ND	20		µg/L	2	3/27/2015 12:44:20 PM	R25121
Isopropylbenzene	45	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
4-Isopropyltoluene	3.8	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
4-Methyl-2-pentanone	ND	20		µg/L	2	3/27/2015 12:44:20 PM	R25121
Methylene Chloride	ND	6.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
n-Butylbenzene	ND	6.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
n-Propylbenzene	50	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
sec-Butylbenzene	3.3	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Styrene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
tert-Butylbenzene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
trans-1,2-DCE	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,1,1-Trichloroethane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,1,2-Trichloroethane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Trichloroethene (TCE)	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Trichlorofluoromethane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,2,3-Trichloropropane	ND	4.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Vinyl chloride	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Xylenes, Total	6100	300		µg/L	200	3/27/2015 1:51:38 PM	R25121
Surr: 1,2-Dichloroethane-d4	111	70-130		%REC	2	3/27/2015 12:44:20 PM	R25121
Surr: 4-Bromofluorobenzene	96.1	70-130		%REC	2	3/27/2015 12:44:20 PM	R25121
Surr: Dibromofluoromethane	95.2	70-130		%REC	2	3/27/2015 12:44:20 PM	R25121
Surr: Toluene-d8	91.8	70-130		%REC	2	3/27/2015 12:44:20 PM	R25121

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	ND Not Detected at the Reporting Limit
	O RSD is greater than RSDlimit	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

March 31, 2015

Emilee Skyles

Animas Environmental
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: CoP SJ 28-6 # 79

OrderNo.: 1503C73

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/27/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1503C73

Date Reported: 3/31/2015

CLIENT: Animas Environmental

Client Sample ID: HP-1 @ 4'

Project: CoP SJ 28-6 # 79

Collection Date: 3/26/2015 10:10:00 AM

Lab ID: 1503C73-001

Matrix: MEOH (SOIL)

Received Date: 3/27/2015 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/27/2015 11:20:14 AM	18374
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/27/2015 11:20:14 AM	18374
Surr: DNOP	95.9	63.5-128		%REC	1	3/27/2015 11:20:14 AM	18374
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	7.5	3.1		mg/Kg	1	3/27/2015 9:55:26 AM	18358
Surr: BFB	101	80-120		%REC	1	3/27/2015 9:55:26 AM	18358
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.68	0.031		mg/Kg	1	3/27/2015 9:55:26 AM	18358
Toluene	1.5	0.031		mg/Kg	1	3/27/2015 9:55:26 AM	18358
Ethylbenzene	0.11	0.031		mg/Kg	1	3/27/2015 9:55:26 AM	18358
Xylenes, Total	1.4	0.063		mg/Kg	1	3/27/2015 9:55:26 AM	18358
Surr: 4-Bromofluorobenzene	115	80-120		%REC	1	3/27/2015 9:55:26 AM	18358

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report

Lab Order 1503C73

Date Reported: 3/31/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: HP-1

Project: CoP SJ 28-6 # 79

Collection Date: 3/26/2015 11:15:00 AM

Lab ID: 1503C73-002

Matrix: AQUEOUS

Received Date: 3/27/2015 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Fluoride	ND	0.50		mg/L	5	3/27/2015 10:51:01 AM	R25117
Chloride	3.4	2.5		mg/L	5	3/27/2015 10:51:01 AM	R25117
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	3/27/2015 10:51:01 AM	R25117
Bromide	ND	0.50		mg/L	5	3/30/2015 8:50:22 PM	R25181
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	3/27/2015 10:51:01 AM	R25117
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	3/27/2015 10:51:01 AM	R25117
Sulfate	22	2.5		mg/L	5	3/27/2015 10:51:01 AM	R25117
EPA METHOD 6010B: DISSOLVED METALS							Analyst: JLF
Calcium	72	1.0		mg/L	1	3/27/2015 1:36:47 PM	R25123
Magnesium	8.9	1.0		mg/L	1	3/27/2015 1:36:47 PM	R25123
Potassium	1.8	1.0		mg/L	1	3/27/2015 2:41:28 PM	R25123
Sodium	110	10		mg/L	10	3/27/2015 1:38:32 PM	R25123
SM2510B: SPECIFIC CONDUCTANCE							Analyst: JRR
Conductivity	800	0.010		µmhos/cm	1	3/27/2015 12:24:03 PM	R25116
SM2320B: ALKALINITY							Analyst: JRR
Bicarbonate (As CaCO3)	422.3	20.00		mg/L CaCO3	1	3/27/2015 12:24:03 PM	R25116
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	3/27/2015 12:24:03 PM	R25116
Total Alkalinity (as CaCO3)	422.3	20.00		mg/L CaCO3	1	3/27/2015 12:24:03 PM	R25116
SM2540C MOD: TOTAL DISSOLVED SOLIDS							Analyst: KS
Total Dissolved Solids	470	200		mg/L	1	3/30/2015 3:28:00 PM	18383

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1503C73

Date Reported: 3/31/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: HP-1

Project: CoP SJ 28-6 # 79

Collection Date: 3/26/2015 11:00:00 AM

Lab ID: 1503C73-003

Matrix: AQUEOUS

Received Date: 3/27/2015 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analyst: DJF		
Benzene	3900	200		µg/L	200	3/27/2015 1:51:38 PM	R25121
Toluene	8100	200		µg/L	200	3/27/2015 1:51:38 PM	R25121
Ethylbenzene	570	200		µg/L	200	3/27/2015 1:51:38 PM	R25121
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,2,4-Trimethylbenzene	280	200		µg/L	200	3/27/2015 1:51:38 PM	R25121
1,3,5-Trimethylbenzene	150	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Naphthalene	7.7	4.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1-Methylnaphthalene	ND	8.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
2-Methylnaphthalene	ND	8.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Acetone	ND	20		µg/L	2	3/27/2015 12:44:20 PM	R25121
Bromobenzene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Bromodichloromethane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Bromoform	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Bromomethane	ND	6.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
2-Butanone	ND	20		µg/L	2	3/27/2015 12:44:20 PM	R25121
Carbon disulfide	ND	20		µg/L	2	3/27/2015 12:44:20 PM	R25121
Carbon Tetrachloride	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Chlorobenzene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Chloroethane	ND	4.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Chloroform	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Chloromethane	ND	6.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
2-Chlorotoluene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
4-Chlorotoluene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
cis-1,2-DCE	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Dibromochloromethane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Dibromomethane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,2-Dichlorobenzene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,3-Dichlorobenzene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,4-Dichlorobenzene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Dichlorodifluoromethane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,1-Dichloroethane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,1-Dichloroethene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,2-Dichloropropane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,3-Dichloropropane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
2,2-Dichloropropane	ND	4.0		µg/L	2	3/27/2015 12:44:20 PM	R25121

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report

Lab Order 1503C73

Date Reported: 3/31/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: HP-1

Project: CoP SJ 28-6 # 79

Collection Date: 3/26/2015 11:00:00 AM

Lab ID: 1503C73-003

Matrix: AQUEOUS

Received Date: 3/27/2015 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: DJF
1,1-Dichloropropene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Hexachlorobutadiene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
2-Hexanone	ND	20		µg/L	2	3/27/2015 12:44:20 PM	R25121
Isopropylbenzene	45	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
4-Isopropyltoluene	3.8	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
4-Methyl-2-pentanone	ND	20		µg/L	2	3/27/2015 12:44:20 PM	R25121
Methylene Chloride	ND	6.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
n-Butylbenzene	ND	6.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
n-Propylbenzene	50	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
sec-Butylbenzene	3.3	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Styrene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
tert-Butylbenzene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
trans-1,2-DCE	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,1,1-Trichloroethane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,1,2-Trichloroethane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Trichloroethene (TCE)	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Trichlorofluoromethane	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
1,2,3-Trichloropropane	ND	4.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Vinyl chloride	ND	2.0		µg/L	2	3/27/2015 12:44:20 PM	R25121
Xylenes, Total	6100	300		µg/L	200	3/27/2015 1:51:38 PM	R25121
Surr: 1,2-Dichloroethane-d4	111	70-130		%REC	2	3/27/2015 12:44:20 PM	R25121
Surr: 4-Bromofluorobenzene	96.1	70-130		%REC	2	3/27/2015 12:44:20 PM	R25121
Surr: Dibromofluoromethane	95.2	70-130		%REC	2	3/27/2015 12:44:20 PM	R25121
Surr: Toluene-d8	91.8	70-130		%REC	2	3/27/2015 12:44:20 PM	R25121

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report

Lab Order 1503C73

Date Reported: 3/31/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: Trip Blank

Project: CoP SJ 28-6 # 79

Collection Date:

Lab ID: 1503C73-004

Matrix: TRIP BLANK

Received Date: 3/27/2015 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: DJF
Benzene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Toluene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Ethylbenzene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Naphthalene	ND	2.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
1-Methylnaphthalene	ND	4.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
2-Methylnaphthalene	ND	4.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Acetone	ND	10		µg/L	1	3/27/2015 2:56:50 PM	R25121
Bromobenzene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Bromodichloromethane	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Bromoform	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Bromomethane	ND	3.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
2-Butanone	ND	10		µg/L	1	3/27/2015 2:56:50 PM	R25121
Carbon disulfide	ND	10		µg/L	1	3/27/2015 2:56:50 PM	R25121
Carbon Tetrachloride	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Chlorobenzene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Chloroethane	ND	2.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Chloroform	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Chloromethane	ND	3.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
2-Chlorotoluene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
4-Chlorotoluene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
cis-1,2-DCE	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Dibromochloromethane	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Dibromomethane	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
1,1-Dichloroethane	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
1,1-Dichloroethene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
1,2-Dichloropropane	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
1,3-Dichloropropane	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
2,2-Dichloropropane	ND	2.0		µg/L	1	3/27/2015 2:56:50 PM	R25121

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1503C73

Date Reported: 3/31/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: Trip Blank

Project: CoP SJ 28-6 # 79

Collection Date:

Lab ID: 1503C73-004

Matrix: TRIP BLANK

Received Date: 3/27/2015 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: DJF
1,1-Dichloropropene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Hexachlorobutadiene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
2-Hexanone	ND	10		µg/L	1	3/27/2015 2:56:50 PM	R25121
Isopropylbenzene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
4-Isopropyltoluene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
4-Methyl-2-pentanone	ND	10		µg/L	1	3/27/2015 2:56:50 PM	R25121
Methylene Chloride	ND	3.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
n-Butylbenzene	ND	3.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
n-Propylbenzene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
sec-Butylbenzene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Styrene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
tert-Butylbenzene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
trans-1,2-DCE	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Trichlorofluoromethane	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Vinyl chloride	ND	1.0		µg/L	1	3/27/2015 2:56:50 PM	R25121
Xylenes, Total	ND	1.5		µg/L	1	3/27/2015 2:56:50 PM	R25121
Surr: 1,2-Dichloroethane-d4	93.7	70-130		%REC	1	3/27/2015 2:56:50 PM	R25121
Surr: 4-Bromofluorobenzene	96.1	70-130		%REC	1	3/27/2015 2:56:50 PM	R25121
Surr: Dibromofluoromethane	96.7	70-130		%REC	1	3/27/2015 2:56:50 PM	R25121
Surr: Toluene-d8	91.6	70-130		%REC	1	3/27/2015 2:56:50 PM	R25121

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 6 of 18
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1503C73

31-Mar-15

Client: Animas Environmental

Project: CoP SJ 28-6 # 79

Sample ID	MB	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBW	Batch ID:	R25117	RunNo:	25117					
Prep Date:		Analysis Date:	3/27/2015	SeqNo:	742525	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Fluoride	ND	0.10								
Chloride	ND	0.50								
Nitrogen, Nitrite (As N)	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								
Phosphorus, Orthophosphate (As P	ND	0.50								
Sulfate	ND	0.50								

Sample ID	LCS	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSW	Batch ID:	R25117	RunNo:	25117					
Prep Date:		Analysis Date:	3/27/2015	SeqNo:	742526	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Fluoride	0.49	0.10	0.5000	0	98.2	90	110			
Chloride	4.8	0.50	5.000	0	95.2	90	110			
Nitrogen, Nitrite (As N)	0.95	0.10	1.000	0	95.3	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	101	90	110			
Phosphorus, Orthophosphate (As P	4.9	0.50	5.000	0	98.7	90	110			
Sulfate	9.7	0.50	10.00	0	96.6	90	110			

Sample ID	1503C73-002AMS	SampType:	MS	TestCode:	EPA Method 300.0: Anions					
Client ID:	HP-1	Batch ID:	R25117	RunNo:	25117					
Prep Date:		Analysis Date:	3/27/2015	SeqNo:	742528	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Fluoride	3.0	0.50	2.500	0	118	66.1	113			S
Chloride	28	2.5	25.00	3.370	97.8	81.8	112			
Nitrogen, Nitrite (As N)	4.9	0.50	5.000	0	97.7	66.4	111			
Nitrogen, Nitrate (As N)	13	0.50	12.50	0.2388	104	84	109			
Phosphorus, Orthophosphate (As P	27	2.5	25.00	0	109	69	109			
Sulfate	73	2.5	50.00	21.58	102	88.3	114			

Sample ID	1503C73-002AMSD	SampType:	MSD	TestCode:	EPA Method 300.0: Anions					
Client ID:	HP-1	Batch ID:	R25117	RunNo:	25117					
Prep Date:		Analysis Date:	3/27/2015	SeqNo:	742529	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Fluoride	3.0	0.50	2.500	0	119	66.1	113	0.198	20	S
Chloride	28	2.5	25.00	3.370	97.0	81.8	112	0.728	20	
Nitrogen, Nitrite (As N)	4.9	0.50	5.000	0	97.3	66.4	111	0.431	20	
Nitrogen, Nitrate (As N)	13	0.50	12.50	0.2388	103	84	109	1.42	20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1503C73

31-Mar-15

Client: Animas Environmental

Project: CoP SJ 28-6 # 79

Sample ID	1503C73-002AMSD			SampType:	MSD		TestCode:	EPA Method 300.0: Anions			
Client ID:	HP-1		Batch ID:	R25117		RunNo:	25117				
Prep Date:	Analysis Date:			3/27/2015		SeqNo:	742529		Units: mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Phosphorus, Orthophosphate (As P	27	2.5	25.00	0	108	69	109	0.728	20		
Sulfate	72	2.5	50.00	21.58	101	88.3	114	1.03	20		

Sample ID	MB	SampType: MBLK			TestCode: EPA Method 300.0: Anions					
Client ID:	PBW	Batch ID: R25117			RunNo: 25117					
Prep Date:		Analysis Date: 3/27/2015			SeqNo: 742581		Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Chloride	ND	0.50								
Nitrogen, Nitrite (As N)	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								
Phosphorus, Orthophosphate (As P	ND	0.50								
Sulfate	ND	0.50								

Sample ID	LCS	SampType: LCS			TestCode: EPA Method 300.0: Anions					
Client ID:	LCSW	Batch ID: R25117			RunNo: 25117					
Prep Date:		Analysis Date: 3/27/2015			SeqNo: 742582		Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.51	0.10	0.5000	0	102	90	110			
Chloride	4.8	0.50	5.000	0	96.6	90	110			
Nitrogen, Nitrite (As N)	0.97	0.10	1.000	0	97.2	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	102	90	110			
Phosphorus, Orthophosphate (As P	5.0	0.50	5.000	0	100	90	110			
Sulfate	9.8	0.50	10.00	0	97.8	90	110			

Sample ID	MB	SampType: MBLK			TestCode: EPA Method 300.0: Anions					
Client ID:	PBW	Batch ID: R25181			RunNo: 25181					
Prep Date:		Analysis Date: 3/30/2015			SeqNo: 744197		Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromide	ND	0.10								

Sample ID	LCS		SampType: LCS		TestCode: EPA Method 300.0: Anions					
Client ID:	LCSW		Batch ID: R25181		RunNo: 25181					
Prep Date:			Analysis Date: 3/30/2015		SeqNo: 744198		Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromide	2.5	0.10	2.500	0	99.4	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1503C73

31-Mar-15

Client: Animas Environmental

Project: CoP SJ 28-6 # 79

Sample ID	MB	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBW	Batch ID:	R25181	RunNo:	25181					
Prep Date:		Analysis Date:	3/31/2015	SeqNo:	744241	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromide	ND	0.10								

Sample ID	LCS	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSW	Batch ID:	R25181	RunNo:	25181					
Prep Date:		Analysis Date:	3/31/2015	SeqNo:	744242	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromide	2.5	0.10	2.500	0	102	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1503C73

31-Mar-15

Client: Animas Environmental

Project: CoP SJ 28-6 # 79

Sample ID	MB-18374	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	18374	RunNo:	25115					
Prep Date:,,	3/27/2015	Analysis Date:	3/27/2015	SeqNo:	741645	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		94.3	63.5	128			

Sample ID	LCS-18374	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	18374	RunNo:	25115					
Prep Date:	3/27/2015	Analysis Date:	3/27/2015	SeqNo:	741646	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.6	67.8	130			
Surr: DNOP	4.9		5.000		97.1	63.5	128			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1503C73

31-Mar-15

Client: Animas Environmental

Project: CoP SJ 28-6 # 79

Sample ID	MB-18358	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID: 18358			RunNo: 25120					
Prep Date:	3/26/2015	Analysis Date: 3/27/2015			SeqNo: 742138		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		96.9	80	120			

Sample ID	LCS-18358		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: 18358		RunNo: 25120					
Prep Date:	3/26/2015		Analysis Date: 3/27/2015		SeqNo: 742139		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	64	130			
Surr: BFB	870		1000		86.6	80	120			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1503C73

31-Mar-15

Client: Animas Environmental

Project: CoP SJ 28-6 # 79

Sample ID	MB-18358	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID: 18358			RunNo: 25120					
Prep Date:	3/26/2015	Analysis Date: 3/27/2015			SeqNo: 742168		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		113	80	120			

Sample ID	LCS-18358		SampType: LCS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS		Batch ID: 18358		RunNo: 25120					
Prep Date:	3/26/2015		Analysis Date: 3/27/2015		SeqNo: 742169		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.050	1.000	0	98.2	76.6	128			
Toluene	0.92	0.050	1.000	0	92.2	75	124			
Ethylbenzene	0.87	0.050	1.000	0	87.0	79.5	126			
Xylenes, Total	2.7	0.10	3.000	0	89.3	78.8	124			
Surr: 4-Bromofluorobenzene	0.78		1.000		78.0	80	120			S

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1503C73

31-Mar-15

Client: Animas Environmental

Project: CoP SJ 28-6 # 79

Sample ID	5ml rb	SampType:	MBLK	TestCode:	EPA Method 8260B: VOLATILES					
Client ID:	PBW	Batch ID:	R25121	RunNo:	25121					
Prep Date:		Analysis Date:	3/27/2015	SeqNo:	741804	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1503C73

31-Mar-15

Client: Animas Environmental

Project: CoP SJ 28-6 # 79

Sample ID	5ml rb	SampType:	MBLK	TestCode:	EPA Method 8260B: VOLATILES					
Client ID:	PBW	Batch ID:	R25121	RunNo:	25121					
Prep Date:		Analysis Date:	3/27/2015	SeqNo:	741804	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.0		10.00		89.9	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		95.6	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	8.6		10.00		86.0	70	130			

Sample ID	100nglcs200nganxs	SampType:	LCS	TestCode:	EPA Method 8260B: VOLATILES					
Client ID:	LCSW	Batch ID:	R25121	RunNo:	25121					
Prep Date:		Analysis Date:	3/27/2015	SeqNo:	741806	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	102	70	130			
Toluene	21	1.0	20.00	0	105	70	130			
Chlorobenzene	20	1.0	20.00	0	98.0	70	130			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1503C73

31-Mar-15

Client: Animas Environmental

Project: CoP SJ 28-6 # 79

Sample ID	100nglcs200nganxs	SampType:	LCS	TestCode:	EPA Method 8260B: VOLATILES					
Client ID:	LCSW	Batch ID:	R25121	RunNo:	25121					
Prep Date:		Analysis Date:	3/27/2015	SeqNo:	741806	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	1.0	20.00	0	114	75.6	144			
Trichloroethene (TCE)	18	1.0	20.00	0	92.2	70	130			
Surr: 1,2-Dichloroethane-d4	9.2		10.00		92.5	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		95.9	70	130			
Surr: Dibromofluoromethane	10		10.00		99.8	70	130			
Surr: Toluene-d8	9.4		10.00		94.1	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1503C73

31-Mar-15

Client: Animas Environmental

Project: CoP SJ 28-6 # 79

Sample ID	MB	SampType:	MBLK	TestCode:	EPA Method 6010B: Dissolved Metals					
Client ID:	PBW	Batch ID:	R25123	RunNo:	25123					
Prep Date:		Analysis Date:	3/27/2015	SeqNo:	741820	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Calcium	ND	1.0								
Magnesium	ND	1.0								
Sodium	ND	1.0								

Sample ID	LCS	SampType:	LCS	TestCode:	EPA Method 6010B: Dissolved Metals					
Client ID:	LCSW	Batch ID:	R25123	RunNo:	25123					
Prep Date:		Analysis Date:	3/27/2015	SeqNo:	741821	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Calcium	50	1.0	50.00	0	100	80	120			
Magnesium	51	1.0	50.00	0	101	80	120			
Sodium	50	1.0	50.00	0	99.3	80	120			

Sample ID	MB	SampType:	MBLK	TestCode:	EPA Method 6010B: Dissolved Metals					
Client ID:	PBW	Batch ID:	R25123	RunNo:	25123					
Prep Date:		Analysis Date:	3/27/2015	SeqNo:	741932	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Potassium	ND	1.0								
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Sample ID	LCS	SampType:	LCS	TestCode:	EPA Method 6010B: Dissolved Metals					
Client ID:	LCSW	Batch ID:	R25123	RunNo:	25123					
Prep Date:		Analysis Date:	3/27/2015	SeqNo:	741933	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Potassium	50	1.0	50.00	0	99.9	80	120			
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Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1503C73

31-Mar-15

Client: Animas Environmental

Project: CoP SJ 28-6 # 79

Sample ID	mb-1	SampType: MBLK			TestCode: SM2320B: Alkalinity					
Client ID:	PBW	Batch ID: R25116			RunNo: 25116					
Prep Date:		Analysis Date: 3/27/2015			SeqNo: 743012		Units: mg/L CaCO3			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)	ND	20.00								

Sample ID	Ics-1	SampType: LCS			TestCode: SM2320B: Alkalinity					
Client ID:	LCSW	Batch ID: R25116			RunNo: 25116					
Prep Date:		Analysis Date: 3/27/2015			SeqNo: 743013		Units: mg/L CaCO3			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)	78.88	20.00	80.00	0	98.6	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1503C73

31-Mar-15

Client: Animas Environmental

Project: CoP SJ 28-6 # 79

Sample ID	MB-18383		SampType: MBLK		TestCode: SM2540C MOD: Total Dissolved Solids					
Client ID:	PBW		Batch ID: 18383		RunNo: 25163					
Prep Date:	3/27/2015		Analysis Date: 3/30/2015		SeqNo: 743511		Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	LCS-18383		SampType: LCS		TestCode: SM2540C MOD: Total Dissolved Solids					
Client ID:	LCSW		Batch ID: 18383		RunNo: 25163					
Prep Date:	3/27/2015		Analysis Date: 3/30/2015		SeqNo: 743512		Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	20.0	1000	0	101	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1503C73

RcptNo: 1

Received by/date:

Logged By: Lindsay Mangin

3/27/2015 7:30:00 AM

Completed By: Lindsay Mangin

3/27/2015 8:07:06 AM

Reviewed By:

Chain of Custody

1. Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

2. Is Chain of Custody complete?

Yes ☒

No ☐

Not Present ☐

3. How was the sample delivered?

Courier

Log In

4. Was an attempt made to cool the samples?

Yes ☒

No ☐

NA ☐

5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ?

Yes ☒

No ☐

NA ☐

6. Sample(s) in proper container(s)?

Yes ☒

No ☐

7. Sufficient sample volume for indicated test(s)?

Yes ☒

No ☐

8. Are samples (except VOA and ONG) properly preserved?

Yes ☒

No ☒

9. Was preservative added to bottles?

Yes ☒

No ☒

NA ☐

10. VOA vials have zero headspace?

Yes ☒

No ☐

No VOA Vials ☐

11. Were any sample containers received broken?

Yes ☐

No ☒

12. Does paperwork match bottle labels?

Yes ☒

No ☐

(Note discrepancies on chain of custody)

13. Are matrices correctly identified on Chain of Custody?

Yes ☒

No ☐

14. Is it clear what analyses were requested?

Yes ☒

No ☐

15. Were all holding times able to be met?

Yes ☒

No ☐

(If no, notify customer for authorization.)

of preserved
bottles checked
for pH:

Adjusted? ☒

Checked by: *[Signature]*

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order?

Yes ☐

No ☐

NA ☒

Person Notified:

Date:

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.3	Good	Yes			

Chain-of-Custody Record		Turn-Around Time:	
Client: <u>Animas Environmental Services</u>		☐ Standard ☒ Rush <u>SAME-DAY</u>	
Mailing Address: <u>604 W. Pinon St.</u>		Project Name:	
<u>Farmington, NM 87401</u>		<u>CoP SJ 28-6 #79</u>	
Phone #: <u>505-564-2281</u>		Project #:	
email or Fax#: <u>SJBLUE-Team@conocophillips.com</u>		Project Manager:	
QA/QC Package:		<u>E. Skyles</u>	
☒ Standard ☐ Level 4 (Full Validation)		Sampler: <u>E. Skyles / D. Davis</u>	
Accreditation		On Ice: ☒ Yes ☐ No	
☐ NELAP ☐ Other _____		Sample Temperature: <u>2.3</u>	
☐ EDD (Type) _____			

☐ Standard☒ Rush

SAME-DAY

Project Name:

Cap SJ 28-6 #79

Project #:

Project Manager:

E. Skyles

Sampler: E. Skyles / D. Davis

On Ice: ☒ Yes ☐ No

Sample Temperature: 2.2

HEAL No.

1573073

BTEX + MTBE + TMB's (8021)

BTEX + MTBE + TPH (Gas only)

TPH 8015B (GRO / DRO / MRO)

TPH (Method 418.1)

EDB (Method 504.1)

PAH's (8310 or 8270 SIMS)

RCRA 8 Metals

Anions (F, Cl, NO₃, NO₂, PO₄, SO₄)

8081 Pesticides / 8082 PCB's

8260B (VOA)

8270 (Semi-VOA)

Cation-Anion Balance

Air Bubbles (Y or N)

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

Date:	Time:	Relinquished by:
1/26/15	1602	Gabe S. [Signature]

Received by: Christine Walcott Date 3/24/15 Time 1602

Remarks: Bill to Conoco Phillips
W# Ordered by: Lindsay Dumas

Date:	Time:	Relinquished by:
26/15	1720	Christel Walton

Received by:  Date: 03/27/15 Time: 0730

AREA -
PLEASE FILTER FOR DISSOLVED*

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 07, 2015

Emilee Skyles

Animas Environmental

604 Pinon Street

Farmington, NM 87401

TEL: (505) 564-2281

FAX

RE: CoP SJ 28-6 # 79

OrderNo.: 1504075

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 6 sample(s) on 4/2/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical ReportLab Order **1504075**Date Reported: **4/7/2015****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Animas Environmental**Client Sample ID:** HP-2**Project:** CoP SJ 28-6 # 79**Collection Date:** 3/31/2015 11:50:00 AM**Lab ID:** 1504075-001**Matrix:** AQUEOUS**Received Date:** 4/2/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	33	2.0		µg/L	2	4/3/2015 9:56:45 PM	R25296
Toluene	ND	2.0		µg/L	2	4/3/2015 9:56:45 PM	R25296
Ethylbenzene	ND	2.0		µg/L	2	4/3/2015 9:56:45 PM	R25296
Xylenes, Total	11	4.0		µg/L	2	4/3/2015 9:56:45 PM	R25296
Surr: 4-Bromofluorobenzene	105	80-120		%REC	2	4/3/2015 9:56:45 PM	R25296

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1504075**Date Reported: **4/7/2015****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Animas Environmental**Client Sample ID:** HP-3**Project:** CoP SJ 28-6 # 79**Collection Date:** 3/31/2015 12:32:00 PM**Lab ID:** 1504075-002**Matrix:** AQUEOUS**Received Date:** 4/2/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	2.0		µg/L	2	4/3/2015 10:26:01 PM	R25296
Toluene	ND	2.0		µg/L	2	4/3/2015 10:26:01 PM	R25296
Ethylbenzene	ND	2.0		µg/L	2	4/3/2015 10:26:01 PM	R25296
Xylenes, Total	ND	4.0		µg/L	2	4/3/2015 10:26:01 PM	R25296
Surr: 4-Bromofluorobenzene	97.5	80-120		%REC	2	4/3/2015 10:26:01 PM	R25296

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1504075**Date Reported: **4/7/2015****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Animas Environmental**Client Sample ID:** HP-4**Project:** CoP SJ 28-6 # 79**Collection Date:** 3/31/2015 1:00:00 PM**Lab ID:** 1504075-003**Matrix:** AQUEOUS**Received Date:** 4/2/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	49	2.0		µg/L	2	4/3/2015 10:55:16 PM	R25296
Toluene	2.1	2.0		µg/L	2	4/3/2015 10:55:16 PM	R25296
Ethylbenzene	ND	2.0		µg/L	2	4/3/2015 10:55:16 PM	R25296
Xylenes, Total	16	4.0		µg/L	2	4/3/2015 10:55:16 PM	R25296
Surr: 4-Bromofluorobenzene	112	80-120		%REC	2	4/3/2015 10:55:16 PM	R25296

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1504075

Date Reported: 4/7/2015

CLIENT: Animas Environmental

Client Sample ID: HP-5

Project: CoP SJ 28-6 # 79

Collection Date: 3/31/2015 2:30:00 PM

Lab ID: 1504075-004

Matrix: AQUEOUS

Received Date: 4/2/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	4300	50		µg/L	50	4/6/2015 12:41:18 PM	R25329
Toluene	3200	50		µg/L	50	4/6/2015 12:41:18 PM	R25329
Ethylbenzene	350	50		µg/L	50	4/6/2015 12:41:18 PM	R25329
Xylenes, Total	2500	100		µg/L	50	4/6/2015 12:41:18 PM	R25329
Surr: 4-Bromofluorobenzene	112	80-120		%REC	50	4/6/2015 12:41:18 PM	R25329

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1504075**Date Reported: **4/7/2015****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Animas Environmental**Client Sample ID:** HP-6**Project:** CoP SJ 28-6 # 79**Collection Date:** 4/1/2015 2:50:00 PM**Lab ID:** 1504075-005**Matrix:** AQUEOUS**Received Date:** 4/2/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	2.0		µg/L	2	4/6/2015 1:10:37 PM	R25329
Toluene	ND	2.0		µg/L	2	4/6/2015 1:10:37 PM	R25329
Ethylbenzene	ND	2.0		µg/L	2	4/6/2015 1:10:37 PM	R25329
Xylenes, Total	ND	4.0		µg/L	2	4/6/2015 1:10:37 PM	R25329
Surr: 4-Bromofluorobenzene	104	80-120		%REC	2	4/6/2015 1:10:37 PM	R25329

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1504075**Date Reported: **4/7/2015****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Animas Environmental**Client Sample ID:** HP-7**Project:** CoP SJ 28-6 # 79**Collection Date:** 4/1/2015 2:35:00 PM**Lab ID:** 1504075-006**Matrix:** AQUEOUS**Received Date:** 4/2/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	2.0		µg/L	2	4/4/2015 12:22:50 AM	R25296
Toluene	ND	2.0		µg/L	2	4/4/2015 12:22:50 AM	R25296
Ethylbenzene	ND	2.0		µg/L	2	4/4/2015 12:22:50 AM	R25296
Xylenes, Total	ND	4.0		µg/L	2	4/4/2015 12:22:50 AM	R25296
Surr: 4-Bromofluorobenzene	92.0	80-120		%REC	2	4/4/2015 12:22:50 AM	R25296

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1504075
07-Apr-15

Client: Animas Environmental
Project: CoP SJ 28-6 # 79

Sample ID	100NG BTEX LCS		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSW		Batch ID:	R25296		RunNo:	25296			
Prep Date:			Analysis Date:	4/3/2015		SeqNo:	748080		Units: µg/L	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	113	80	120			
Toluene	21	1.0	20.00	0	107	80	120			
Ethylbenzene	21	1.0	20.00	0	103	80	120			
Xylenes, Total	62	2.0	60.00	0	103	80	120			
Surr: 4-Bromofluorobenzene	24		20.00		118	80	120			

Sample ID	5ML-RB		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBW		Batch ID:	R25296		RunNo:	25296			
Prep Date:			Analysis Date:	4/3/2015		SeqNo:	748095		Units: µg/L	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	18		20.00		89.7	80	120			

Sample ID	100NG BTEX LCS		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSW		Batch ID:	R25329		RunNo:	25329			
Prep Date:			Analysis Date:	4/6/2015		SeqNo:	749428		Units: µg/L	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	104	80	120			
Toluene	19	1.0	20.00	0	95.8	80	120			
Ethylbenzene	19	1.0	20.00	0	92.7	80	120			
Xylenes, Total	56	2.0	60.00	0	93.0	80	120			
Surr: 4-Bromofluorobenzene	20		20.00		102	80	120			

Sample ID	5ML-RB		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBW		Batch ID:	R25329		RunNo:	25329			
Prep Date:			Analysis Date:	4/6/2015		SeqNo:	749439		Units: µg/L	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	19		20.00		95.9	80	120			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4197
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1504075

RcptNo: 1

Received by/date:

AT

04/02/15

Logged By: Lindsay Mangin

4/2/2015 7:00:00 AM

Completed By: Lindsay Mangin

4/2/2015 8:18:01 AM

Reviewed By:

JA

04/02/15

[Signature]

[Signature]

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☒ No ☐ No VOA Vials ☐
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified

Date

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record		Turn-Around Time:
Client: <u>Anunas Environmental Services</u>	☒ Standard ☐ Rush	
Mailing Address: <u>604 W. Pinen</u>	Project Name: <u>Col SJ28-6# 79</u>	
<u>Tamington, NM 87401</u>	Project #:	
Phone #: <u>505-564-2281</u>	Project Manager: <u>E. Skyles</u>	
Email or Fax#:		
QA/QC Package:		
☒ Standard ☐ Level 4 (Full Validation)		
Accreditation	Sampler: <u>ES/DD</u>	
☐ NELAP ☐ Other _____	On Ice: ☒ Yes ☐ No	
☐ EDD (Type) _____	Sample Temperature: <u>14.1 °C</u>	

☒ Standard ☐ Rush

Col SJ 28-6 # 79

Project #:

Project Manager:

Sampler: ES / DD

On Ice: ☒ Yes ☐ No

Sample Temperature: 14.1°C



www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

Date:	Time:	Relinquished by:	Received by:	Date	Time
4/1/15	1744	Chris L	Christine White	4/1/15	1744
Date:	Time:	Relinquished by:	Received by:	Date	Time
4/1/15	1825	Christine Walter	Chris L	04/02/15	0700

Remarks: Bill to Conoco Phillips
WO# 20648928 ordered by: Dale Gallegos
USER: BRADLEY

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 08, 2015

Emilee Skyles

Animas Environmental

604 Pinon Street

Farmington, NM 87401

TEL: (505) 564-2281

FAX

RE: CoP SJ 28-6 #79

OrderNo.: 1504168

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 4 sample(s) on 4/4/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1504168

Date Reported: 4/8/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-1

Project: CoP SJ 28-6 #79

Collection Date: 4/2/2015 2:35:00 PM

Lab ID: 1504168-001

Matrix: SOIL

Received Date: 4/4/2015 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/7/2015 10:39:53 AM	18527
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/7/2015 10:39:53 AM	18527
Surr: DNOP	90.4	63.5-128		%REC	1	4/7/2015 10:39:53 AM	18527
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	4/7/2015 3:54:09 PM	18532
Surr: BFB	85.6	80-120		%REC	1	4/7/2015 3:54:09 PM	18532
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.040		mg/Kg	1	4/7/2015 3:54:09 PM	18532
Toluene	ND	0.040		mg/Kg	1	4/7/2015 3:54:09 PM	18532
Ethylbenzene	ND	0.040		mg/Kg	1	4/7/2015 3:54:09 PM	18532
Xylenes, Total	ND	0.079		mg/Kg	1	4/7/2015 3:54:09 PM	18532
Surr: 4-Bromofluorobenzene	98.2	80-120		%REC	1	4/7/2015 3:54:09 PM	18532

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1504168

Date Reported: 4/8/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-2

Project: CoP SJ 28-6 #79

Collection Date: 4/2/2015 2:32:00 PM

Lab ID: 1504168-002

Matrix: SOIL

Received Date: 4/4/2015 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/7/2015 11:06:56 AM	18527
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/7/2015 11:06:56 AM	18527
Surr: DNOP	89.2	63.5-128		%REC	1	4/7/2015 11:06:56 AM	18527
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	4/7/2015 4:22:54 PM	18532
Surr: BFB	87.4	80-120		%REC	1	4/7/2015 4:22:54 PM	18532
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.039		mg/Kg	1	4/7/2015 4:22:54 PM	18532
Toluene	ND	0.039		mg/Kg	1	4/7/2015 4:22:54 PM	18532
Ethylbenzene	ND	0.039		mg/Kg	1	4/7/2015 4:22:54 PM	18532
Xylenes, Total	ND	0.077		mg/Kg	1	4/7/2015 4:22:54 PM	18532
Surr: 4-Bromofluorobenzene	97.3	80-120		%REC	1	4/7/2015 4:22:54 PM	18532

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1504168

Date Reported: 4/8/2015

CLIENT: Animas Environmental

Client Sample ID: SC-3

Project: CoP SJ 28-6 #79

Collection Date: 4/2/2015 5:15:00 PM

Lab ID: 1504168-003

Matrix: SOIL

Received Date: 4/4/2015 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/7/2015 11:34:02 AM	18527
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/7/2015 11:34:02 AM	18527
Surr: DNOP	89.6	63.5-128		%REC	1	4/7/2015 11:34:02 AM	18527
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	4/7/2015 4:51:37 PM	18532
Surr: BFB	84.6	80-120		%REC	1	4/7/2015 4:51:37 PM	18532
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.037		mg/Kg	1	4/7/2015 4:51:37 PM	18532
Toluene	ND	0.037		mg/Kg	1	4/7/2015 4:51:37 PM	18532
Ethylbenzene	ND	0.037		mg/Kg	1	4/7/2015 4:51:37 PM	18532
Xylenes, Total	ND	0.075		mg/Kg	1	4/7/2015 4:51:37 PM	18532
Surr: 4-Bromofluorobenzene	94.4	80-120		%REC	1	4/7/2015 4:51:37 PM	18532

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1504168

Date Reported: 4/8/2015

CLIENT: Animas Environmental

Client Sample ID: SC-4

Project: CoP SJ 28-6 #79

Collection Date: 4/2/2015 4:08:00 PM

Lab ID: 1504168-004

Matrix: SOIL

Received Date: 4/4/2015 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/7/2015 12:00:54 PM	18527
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/7/2015 12:00:54 PM	18527
Surr: DNOP	90.4	63.5-128		%REC	1	4/7/2015 12:00:54 PM	18527
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	4/7/2015 5:20:23 PM	18532
Surr: BFB	84.4	80-120		%REC	1	4/7/2015 5:20:23 PM	18532
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.038		mg/Kg	1	4/7/2015 5:20:23 PM	18532
Toluene	ND	0.038		mg/Kg	1	4/7/2015 5:20:23 PM	18532
Ethylbenzene	ND	0.038		mg/Kg	1	4/7/2015 5:20:23 PM	18532
Xylenes, Total	ND	0.076		mg/Kg	1	4/7/2015 5:20:23 PM	18532
Surr: 4-Bromofluorobenzene	92.9	80-120		%REC	1	4/7/2015 5:20:23 PM	18532

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1504168

08-Apr-15

Client: Animas Environmental

Project: CoP SJ 28-6 #79

Sample ID	MB-18527	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	18527	RunNo:	25330					
Prep Date:	4/6/2015	Analysis Date:	4/7/2015	SeqNo:	749672	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		89.7	63.5	128			

Sample ID	LCS-18527	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	18527	RunNo:	25330					
Prep Date:	4/6/2015	Analysis Date:	4/7/2015	SeqNo:	749674	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.3	67.8	130			
Surr: DNOP	4.7		5.000		93.2	63.5	128			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1504168

08-Apr-15

Client: Animas Environmental

Project: CoP SJ 28-6 #79

Sample ID	LCS-18532		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: 18532		RunNo: 25343					
Prep Date:	4/6/2015		Analysis Date: 4/7/2015		SeqNo: 750025		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.1	64	130			
Surr: BFB	910		1000		91.0	80	120			

Sample ID	MB-18532		SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	PBS		Batch ID: 18532		RunNo: 25343					
Prep Date:	4/6/2015		Analysis Date: 4/7/2015		SeqNo: 750026		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	860		1000		85.6	80	120			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1504168

08-Apr-15

Client: Animas Environmental

Project: CoP SJ 28-6 #79

Sample ID	LCS-18532		SampType: LCS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS		Batch ID: 18532		RunNo: 25343					
Prep Date:	4/6/2015		Analysis Date: 4/7/2015		SeqNo: 750068		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	104	76.6	128			
Toluene	0.99	0.050	1.000	0	98.6	75	124			
Ethylbenzene	1.0	0.050	1.000	0	103	79.5	126			
Xylenes, Total	3.1	0.10	3.000	0	103	78.8	124			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Sample ID	MB-18532	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID: 18532			RunNo: 25343					
Prep Date:	4/6/2015	Analysis Date: 4/7/2015			SeqNo: 750069		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		98.4	80	120			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
RL Reporting Detection Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1504168

RcptNo: 1

Received by/date: AS 04/04/15

Logged By: Anne Thorne 4/4/2015 8:00:00 AM

Completed By: Anne Thorne 4/6/2015

Reviewed By: CS 04/06/15

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No.	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No.	Seal Date	Signed By
1	1.0	Good	Yes			



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 10, 2015

Emilee Skyles

Animas Environmental

604 Pinon Street

Farmington, NM 87401

TEL: (505) 564-2281

FAX

RE: CoP SJ 28-6 #79

OrderNo.: 1504213

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 6 sample(s) on 4/7/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1504213

Date Reported: 4/10/2015

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental**Client Sample ID:** HP-2 @ 3.5'**Project:** CoP SJ 28-6 #79**Collection Date:** 3/31/2015 11:27:00 AM**Lab ID:** 1504213-001**Matrix:** SOIL**Received Date:** 4/7/2015 6:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/9/2015 7:16:38 PM	18546
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/9/2015 7:16:38 PM	18546
Surr: DNOP	97.5	63.5-128		%REC	1	4/9/2015 7:16:38 PM	18546
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/8/2015 12:15:22 PM	18551
Surr: BFB	83.9	80-120		%REC	1	4/8/2015 12:15:22 PM	18551
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	4/8/2015 12:15:22 PM	18551
Toluene	ND	0.048		mg/Kg	1	4/8/2015 12:15:22 PM	18551
Ethylbenzene	ND	0.048		mg/Kg	1	4/8/2015 12:15:22 PM	18551
Xylenes, Total	ND	0.095		mg/Kg	1	4/8/2015 12:15:22 PM	18551
Surr: 4-Bromofluorobenzene	91.8	80-120		%REC	1	4/8/2015 12:15:22 PM	18551

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1504213**Date Reported: **4/10/2015****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Animas Environmental**Client Sample ID:** HP-3 @ 3'**Project:** CoP SJ 28-6 #79**Collection Date:** 3/31/2015 11:57:00 AM**Lab ID:** 1504213-002**Matrix:** SOIL**Received Date:** 4/7/2015 6:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/9/2015 8:37:20 PM	18546
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/9/2015 8:37:20 PM	18546
Surr: DNOP	97.6	63.5-128		%REC	1	4/9/2015 8:37:20 PM	18546
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/8/2015 1:41:34 PM	18551
Surr: BFB	84.2	80-120		%REC	1	4/8/2015 1:41:34 PM	18551
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	4/8/2015 1:41:34 PM	18551
Toluene	ND	0.049		mg/Kg	1	4/8/2015 1:41:34 PM	18551
Ethylbenzene	ND	0.049		mg/Kg	1	4/8/2015 1:41:34 PM	18551
Xylenes, Total	ND	0.097		mg/Kg	1	4/8/2015 1:41:34 PM	18551
Surr: 4-Bromofluorobenzene	94.1	80-120		%REC	1	4/8/2015 1:41:34 PM	18551

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1504213

Date Reported: 4/10/2015

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental**Client Sample ID:** HP-4 @ 3'**Project:** CoP SJ 28-6 #79**Collection Date:** 3/31/2015 12:45:00 PM**Lab ID:** 1504213-003**Matrix:** SOIL**Received Date:** 4/7/2015 6:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/9/2015 9:04:08 PM	18546
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/9/2015 9:04:08 PM	18546
Surr: DNOP	97.8	63.5-128		%REC	1	4/9/2015 9:04:08 PM	18546
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/8/2015 3:07:43 PM	18551
Surr: BFB	84.3	80-120		%REC	1	4/8/2015 3:07:43 PM	18551
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	4/8/2015 3:07:43 PM	18551
Toluene	ND	0.047		mg/Kg	1	4/8/2015 3:07:43 PM	18551
Ethylbenzene	ND	0.047		mg/Kg	1	4/8/2015 3:07:43 PM	18551
Xylenes, Total	ND	0.095		mg/Kg	1	4/8/2015 3:07:43 PM	18551
Surr: 4-Bromofluorobenzene	94.5	80-120		%REC	1	4/8/2015 3:07:43 PM	18551

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1504213

Date Reported: 4/10/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: HP-5 @ 3'

Project: CoP SJ 28-6 #79

Collection Date: 3/31/2015 1:41:00 PM

Lab ID: 1504213-004

Matrix: SOIL

Received Date: 4/7/2015 6:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/9/2015 9:30:38 PM	18546
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/9/2015 9:30:38 PM	18546
Surr: DNOP	94.3	63.5-128		%REC	1	4/9/2015 9:30:38 PM	18546
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/8/2015 3:36:23 PM	18551
Surr: BFB	86.2	80-120		%REC	1	4/8/2015 3:36:23 PM	18551
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	4/8/2015 3:36:23 PM	18551
Toluene	ND	0.049		mg/Kg	1	4/8/2015 3:36:23 PM	18551
Ethylbenzene	ND	0.049		mg/Kg	1	4/8/2015 3:36:23 PM	18551
Xylenes, Total	ND	0.097		mg/Kg	1	4/8/2015 3:36:23 PM	18551
Surr: 4-Bromofluorobenzene	97.1	80-120		%REC	1	4/8/2015 3:36:23 PM	18551

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1504213**Date Reported: **4/10/2015****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Animas Environmental**Client Sample ID:** HP-6 @ 5'**Project:** CoP SJ 28-6 #79**Collection Date:** 3/31/2015 2:30:00 PM**Lab ID:** 1504213-005**Matrix:** SOIL**Received Date:** 4/7/2015 6:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/9/2015 9:57:32 PM	18546
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/9/2015 9:57:32 PM	18546
Surr: DNOP	95.5	63.5-128		%REC	1	4/9/2015 9:57:32 PM	18546
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/8/2015 4:05:11 PM	18551
Surr: BFB	84.4	80-120		%REC	1	4/8/2015 4:05:11 PM	18551
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	4/8/2015 4:05:11 PM	18551
Toluene	ND	0.048		mg/Kg	1	4/8/2015 4:05:11 PM	18551
Ethylbenzene	ND	0.048		mg/Kg	1	4/8/2015 4:05:11 PM	18551
Xylenes, Total	ND	0.096		mg/Kg	1	4/8/2015 4:05:11 PM	18551
Surr: 4-Bromofluorobenzene	93.7	80-120		%REC	1	4/8/2015 4:05:11 PM	18551

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1504213

Date Reported: 4/10/2015

CLIENT: Animas Environmental

Client Sample ID: HP-7 @ 3'

Project: CoP SJ 28-6 #79

Collection Date: 3/31/2015 3:15:00 PM

Lab ID: 1504213-006

Matrix: SOIL

Received Date: 4/7/2015 6:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS					Analyst: BCN		
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/9/2015 10:24:19 PM	18546
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	4/9/2015 10:24:19 PM	18546
Surr: DNOP	94.3	63.5-128		%REC	1	4/9/2015 10:24:19 PM	18546
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB		
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/8/2015 4:33:59 PM	18551
Surr: BFB	84.8	80-120		%REC	1	4/8/2015 4:33:59 PM	18551
EPA METHOD 8021B: VOLATILES					Analyst: NSB		
Benzene	ND	0.048		mg/Kg	1	4/8/2015 4:33:59 PM	18551
Toluene	ND	0.048		mg/Kg	1	4/8/2015 4:33:59 PM	18551
Ethylbenzene	ND	0.048		mg/Kg	1	4/8/2015 4:33:59 PM	18551
Xylenes, Total	ND	0.095		mg/Kg	1	4/8/2015 4:33:59 PM	18551
Surr: 4-Bromofluorobenzene	93.9	80-120		%REC	1	4/8/2015 4:33:59 PM	18551

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1504213

10-Apr-15

Client: Animas Environmental

Project: CoP SJ 28-6 #79

Sample ID	MB-18546	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	18546	RunNo:	25386					
Prep Date:	4/7/2015	Analysis Date:	4/9/2015	SeqNo:	752140	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		100	63.5	128			

Sample ID	LCS-18546	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	18546	RunNo:	25386					
Prep Date:	4/7/2015	Analysis Date:	4/9/2015	SeqNo:	752142	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	66	10	50.00	0	132	67.8	130			S
Surr: DNOP	6.6		5.000		131	63.5	128			S

Sample ID	1504213-001AMS	SampType:	MS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	HP-2 @ 3.5'	Batch ID:	18546	RunNo:	25386					
Prep Date:	4/7/2015	Analysis Date:	4/9/2015	SeqNo:	752145	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	9.7	48.50	0	101	29.2	176			
Surr: DNOP	4.7		4.850		97.4	63.5	128			

Sample ID	1504213-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	HP-2 @ 3.5'	Batch ID:	18546	RunNo:	25386					
Prep Date:	4/7/2015	Analysis Date:	4/9/2015	SeqNo:	752146	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.7	29.2	176	4.32	23	
Surr: DNOP	4.8		5.000		95.8	63.5	128	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1504213

10-Apr-15

Client: Animas Environmental

Project: CoP SJ 28-6 #79

Sample ID	MB-18551	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	18551	RunNo:	25375					
Prep Date:	4/7/2015	Analysis Date:	4/8/2015	SeqNo:	751117	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	840		1000		84.0	80	120			

Sample ID	LCS-18551	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	18551	RunNo:	25375					
Prep Date:	4/7/2015	Analysis Date:	4/8/2015	SeqNo:	751118	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.7	64	130			
Surr: BFB	900		1000		90.4	80	120			

Sample ID	1504213-001AMS	SampType:	MS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	HP-2 @ 3.5'	Batch ID:	18551	RunNo:	25375					
Prep Date:	4/7/2015	Analysis Date:	4/8/2015	SeqNo:	751123	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.7	23.74	0	118	47.9	144			
Surr: BFB	890		949.7		93.5	80	120			

Sample ID	1504213-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	HP-2 @ 3.5'	Batch ID:	18551	RunNo:	25375					
Prep Date:	4/7/2015	Analysis Date:	4/8/2015	SeqNo:	751124	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.8	23.81	0	116	47.9	144	1.94	29.9	
Surr: BFB	890		952.4		93.2	80	120	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1504213

10-Apr-15

Client: Animas Environmental

Project: CoP SJ 28-6 #79

Sample ID	MB-18551		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	18551		RunNo:	25375			
Prep Date:	4/7/2015		Analysis Date:	4/8/2015		SeqNo:	750899		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		94.8	80	120			

Sample ID	LCS-18551		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	18551		RunNo:	25375			
Prep Date:	4/7/2015		Analysis Date:	4/8/2015		SeqNo:	750900		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.050	1.000	0	119	76.6	128			
Toluene	1.1	0.050	1.000	0	115	75	124			
Ethylbenzene	1.2	0.050	1.000	0	117	79.5	126			
Xylenes, Total	3.5	0.10	3.000	0	117	78.8	124			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Sample ID	1504213-002AMS		SampType:	MS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	HP-3 @ 3'		Batch ID:	18551		RunNo:	25375			
Prep Date:	4/7/2015		Analysis Date:	4/8/2015		SeqNo:	750903		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.049	0.9747	0	108	69.2	126			
Toluene	1.0	0.049	0.9747	0.009845	105	65.6	128			
Ethylbenzene	1.1	0.049	0.9747	0	109	65.5	138			
Xylenes, Total	3.2	0.097	2.924	0	108	63	139			
Surr: 4-Bromofluorobenzene	0.97		0.9747		99.2	80	120			

Sample ID	1504213-002AMSD		SampType:	MSD		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	HP-3 @ 3'		Batch ID:	18551		RunNo:	25375			
Prep Date:	4/7/2015		Analysis Date:	4/8/2015		SeqNo:	750904		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.049	0.9728	0	117	69.2	126	7.82	18.5	
Toluene	1.1	0.049	0.9728	0.009845	116	65.6	128	9.34	20.6	
Ethylbenzene	1.2	0.049	0.9728	0	124	65.5	138	12.9	20.1	
Xylenes, Total	3.6	0.097	2.918	0	123	63	139	13.1	21.1	
Surr: 4-Bromofluorobenzene	0.98		0.9728		101	80	120	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
RL Reporting Detection Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1504213

RcptNo: 1

Received by/date: AT 04/07/15

Logged By: Anne Thorne

4/7/2015 6:40:00 AM

Anne Thorne

Completed By: Anne Thorne

4/7/2015

Anne Thorne

Reviewed By: *04/07/15

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 604 W. Pecos St.

Farlington, NM 87401

Phone #: 505-564-2281

Mail or Fax#:

A/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other

EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

CR ST 28-6 #79

Project #:

Project Manager:

E. Skyles

Sampler: E Skyles / D Davis

On Ice: ☒ Yes ☐ No

Sample Temperature: 10

Container Type and #

Preservative Type

HEAL No.

- ☒ BTEX + MTBE + TPH's (8021)
- ☐ BTEX + MTBE + TPH (Gas only)
- ☐ TPH 8015B (GRO / DRO / MRO)
- ☐ TPH (Method 418.1)
- ☐ EDB (Method 504.1)
- ☐ PAH's (8310 or 8270 SIMS)
- ☐ RCRA 8 Metals
- ☐ Anions (F, Cl, NO₃, NO₂, PO₄, SO₄)
- ☐ 8081 Pesticides / 8082 PCB's
- ☐ 8260B (VOA)
- ☐ 8270 (Semi-VOA)

Air Bubbles (Y or N)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TPH's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
3/15	11:27	Soil	HP-2 e3.5'	1-402	cool	-01	X	X	X									
3/15	11:57	Soil	HP-3 e3'	1-402	cool	-02	X	X	X									
3/15	12:45	Soil	HP-4 e3'	1-402	cool	-03	X	X	X									
3/15	13:41	Soil	HP-5 e3'	1-402	cool	-04	X	X	X									
3/15	14:30	Soil	HP-6 e5'	1-402	cool	-05	X	X	X									
3/15	15:15	Soil	HP-7 e3'	1-402	cool	-06	X	X	X									

Date: 3/15 Time: 11:02 Relinquished by: Carl Syl

Received by: Michelle

Date: 4/6/15 Time: 11:02

Remarks: Fill to Canoco Philips

Date: 4/15 Time: 11:02 Relinquished by: Carl Syl

Received by: Michelle

Date: 4/6/15 Time: 11:02

Remarks: Fill to Canoco Philips

Date: 4/15 Time: 11:02 Relinquished by: Carl Syl

Received by: Michelle

Date: 4/6/15 Time: 11:02

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Received by: Michelle

Date: 4/6/15 Time: 11:02

Remarks: Fill to Canoco Philips

Date: 4/15 Time: 11:02 Relinquished by: Carl Syl

Received by: Michelle

Date: 4/6/15 Time: 11:02

Remarks: Fill to Canoco Philips

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

USER: BRADLEY

Supervisor: Bobby Spearman

Order by: Lindsay Dumas



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

May 08, 2015

Emilee Skyles
Animas Environmental
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: CoP SJ 28-6 #79

OrderNo.: 1505140

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 4 sample(s) on 5/5/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical ReportLab Order **1505140**Date Reported: **5/8/2015****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Animas Environmental**Client Sample ID:** HP-1**Project:** CoP SJ 28-6 #79**Collection Date:** 5/4/2015 10:30:00 AM**Lab ID:** 1505140-001**Matrix:** AQUEOUS**Received Date:** 5/5/2015 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	140	2.0		µg/L	2	5/6/2015 2:16:08 PM	R26016
Toluene	ND	2.0		µg/L	2	5/6/2015 2:16:08 PM	R26016
Ethylbenzene	3.3	2.0		µg/L	2	5/6/2015 2:16:08 PM	R26016
Xylenes, Total	18	4.0		µg/L	2	5/6/2015 2:16:08 PM	R26016
Surr: 4-Bromofluorobenzene	111	80-120		%REC	2	5/6/2015 2:16:08 PM	R26016

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1505140**Date Reported: **5/8/2015****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Animas Environmental**Client Sample ID:** HP-2**Project:** CoP SJ 28-6 #79**Collection Date:** 5/4/2015 10:40:00 AM**Lab ID:** 1505140-002**Matrix:** AQUEOUS**Received Date:** 5/5/2015 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	160	2.0		µg/L	2	5/6/2015 2:45:23 PM	R26016
Toluene	3.1	2.0		µg/L	2	5/6/2015 2:45:23 PM	R26016
Ethylbenzene	5.1	2.0		µg/L	2	5/6/2015 2:45:23 PM	R26016
Xylenes, Total	47	4.0		µg/L	2	5/6/2015 2:45:23 PM	R26016
Surr: 4-Bromofluorobenzene	121	80-120	S	%REC	2	5/6/2015 2:45:23 PM	R26016

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1505140**Date Reported: **5/8/2015****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Animas Environmental**Client Sample ID:** HP-4**Project:** CoP SJ 28-6 #79**Collection Date:** 5/4/2015 10:50:00 AM**Lab ID:** 1505140-003**Matrix:** AQUEOUS**Received Date:** 5/5/2015 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	2.0		µg/L	2	5/6/2015 3:14:34 PM	R26016
Toluene	ND	2.0		µg/L	2	5/6/2015 3:14:34 PM	R26016
Ethylbenzene	ND	2.0		µg/L	2	5/6/2015 3:14:34 PM	R26016
Xylenes, Total	ND	4.0		µg/L	2	5/6/2015 3:14:34 PM	R26016
Surr: 4-Bromofluorobenzene	112	80-120		%REC	2	5/6/2015 3:14:34 PM	R26016

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1505140**Date Reported: **5/8/2015****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Animas Environmental**Client Sample ID:** HP-5**Project:** CoP SJ 28-6 #79**Collection Date:** 5/4/2015 11:00:00 AM**Lab ID:** 1505140-004**Matrix:** AQUEOUS**Received Date:** 5/5/2015 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	200	2.0		µg/L	2	5/6/2015 3:43:45 PM	R26016
Toluene	ND	2.0		µg/L	2	5/6/2015 3:43:45 PM	R26016
Ethylbenzene	ND	2.0		µg/L	2	5/6/2015 3:43:45 PM	R26016
Xylenes, Total	ND	4.0		µg/L	2	5/6/2015 3:43:45 PM	R26016
Surr: 4-Bromofluorobenzene	95.2	80-120		%REC	2	5/6/2015 3:43:45 PM	R26016

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1505140

08-May-15

Client: Animas Environmental

Project: CoP SJ 28-6 #79

Sample ID	5ML RB	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles					
Client ID:	PBW	Batch ID: R26016			RunNo: 26016					
Prep Date:		Analysis Date: 5/6/2015			SeqNo: 771267		Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
Surr: 4-Bromofluorobenzene	22		20.00		108	80	120			

Sample ID	100NG BTEX LCS	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSW	Batch ID:	R26016	RunNo:	26016					
Prep Date:		Analysis Date:	5/6/2015	SeqNo:	771268	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	93.9	80	120			
Toluene	22	1.0	20.00	0	112	80	120			
Ethylbenzene	22	1.0	20.00	0	110	80	120			
Xylenes, Total	66	2.0	60.00	0	110	80	120			
1,2,4-Trimethylbenzene	22	1.0	20.00	0	108	80	120			
1,3,5-Trimethylbenzene	22	1.0	20.00	0	111	80	120			
Surr: 4-Bromofluorobenzene	25		20.00		127	80	120			S

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
RL Reporting Detection Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1505140

ReptNo: 1

Received by/date:

AT

05/05/15

Logged By: Ashley Gallegos

5/5/2015 6:50:00 AM

ASG

Completed By: Ashley Gallegos

5/5/2015 9:23:39 AM

ASG

Reviewed By:

CS

05/05/15

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? *DA 05/05/15* Yes ☒ No ☒ No VOA Vials ☐
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good	Yes			

