

# **Release Report/ General Correspondence**

# **Soil C-141**

## **Date: 2015**

## OIL CONS. DIV DIST. 3

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.3003907	110	

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

M	11	27N	6W	11807	FSL	10907	FWL	Rio Arriba	
3.6	11	2731	aw	11001	FCI	10001	EXXI	D' 4 1	
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County	

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?	If YES, To Whom?	
🛛 Yes 🗌 No 🗌 Not Required	Jim Griswold, Glenn VonGonten,	Cory Smith, and Brandon Powell
By Whom? Lindsay Dumas	Date and Hour 3/26/2015 at 4:49p	m
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	ercourse.
🗋 Yes 🖾 No	Unknown	
If a Watercourse was Impacted, Describe Fully.*		
Contaminated groundwater was encountered during pipeline excavat	tion.	
Describe Cause of Problem and Remedial Action Taken.*		
A flowline from the San Juan 28-6 #79 to the meter run, across the Carriz	o Wash, was found to have two holes.	Actual excavation is at 36.586122, -
107.441047 and on Fee surface. Contaminated groundwater was encounted	ered during the pipeline excavation.	
Describe Area Affected and Cleanup Action Taken.*		
COP removed all contaminated soil from excavation sidewalls and co	onfirmed groundwater contamination	n.
I hereby certify that the information given above is true and complete to t	he best of my knowledge and understa	nd that pursuant to NMOCD rules and
regulations all operators are required to report and/or file certain release n public health or the anyironment. The acceptance of a C 141 report by the	a NMOCD marked as "Final Report"	tions for releases which may endanger
should their operations have failed to adequately investigate and remediat	e contamination that pose a threat to g	round water, surface water, human health
or the environment. In addition, NMOCD acceptance of a C-141 report d	loes not relieve the operator of respons	ibility for compliance with any other
federal, state, or local/laws and/or regulations.		
i dana Duman	OIL CONSERV	ATION DIVISIÓN
Signature: morely further		
Printed Name: Lindsay Dumas	Approved by Environmental Specialis	t: one l
	-10/15	
Title: Field Environmental Specialist	Approval Date: (18/15	Expiration Date:
E-mail Address: Lindsay.Dumas@conocophillips.com	Conditions of Approval:	Attached
Date: 6/18/2015 Phone: (505) 599-4089	Allitional Consult	Attached
Attach Additional Sheets If Necessary	A A A	0
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	antict SANTA to	28-
-		





April 08, 2015

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

RE: CoP SJ 28-6 #79

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

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 <u>www.hallenvironmental.com</u> 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 qualifers 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

<b>Analytical Report</b>						
Lab Order 1504168						
Date Reported: 4/8/2015						

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental			Client Sam	ole ID: SC	-1	
<b>Project:</b> CoP SJ 28-6 #79			Collection	Date: 4/2	2/2015 2:35:00 PM	
Lab ID: 1504168-001	Matrix:	SOIL	Received	<b>Date:</b> 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 RAN	GE				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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	E	Value above quantitation range
J Analyte detected below quantitation limits		Analyte detected below quantitation limits
	Ο	RSD is greater than RSDlimit

- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank В
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 1 of 7
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report Lab Order 1504168

Date Reported: 4/8/2015

## Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Animas Environmental	Client Sample ID: SC-2						
<b>Project:</b>	CoP SJ 28-6 #79			Collection	Date: 4/2	2/2015 2:32:00 PM		
Lab ID:	1504168-002	Matrix:	SOIL	Received	Date: 4/4	/2015 8:00:00 AM		
Analyses		Result	RL Qua	l Units	DF	Date Analyzed	Batch	
EPA METHOD 8015D: DIESEL RANGE ORGANICS					Analyst	JME		
Diesel Ra	ange 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: D	DNOP	89.2	63.5-128	%REC	1	4/7/2015 11:06:56 AM	18527	
EPA MET	HOD 8015D: GASOLINE RAN	NGE				Analyst	RAA	
Gasoline	Range Organics (GRO)	ND	3.9	mg/Kg	1	4/7/2015 4:22:54 PM	18532	
Surr: E	BFB	87.4	80-120	%REC	1	4/7/2015 4:22:54 PM	18532	
EPA MET	HOD 8021B: VOLATILES					Analyst	RAA	

AA Benzene ND 0.039 4/7/2015 4:22:54 PM 18532 mg/Kg 1 Toluene 4/7/2015 4:22:54 PM 18532 ND 0.039 mg/Kg 1 Ethylbenzene ND 0.039 mg/Kg 4/7/2015 4:22:54 PM 18532 1 Xylenes, Total 18532 ND 0.077 4/7/2015 4:22:54 PM mg/Kg 1 Surr: 4-Bromofluorobenzene 97.3 80-120 %REC 1 4/7/2015 4:22:54 PM 18532

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	Blank
	Е	Value above quantitation range H Holding times for preparation or ana		Holding times for preparation or analysis e	exceeded
	<ul><li>J Analyte detected below quantitation limits</li><li>O RSD is greater than RSDlimit</li></ul>		ND	D Not Detected at the Reporting Limit Page	
			Р	Sample pH Not In Range	1 450 2 01 7
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytica	l Report
Lab Order	1504168

#### Date Reported: 4/8/2015

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental			Client Sampl	e ID: SC	2-3	
<b>Project:</b> CoP SJ 28-6 #79			Collection I	Date: 4/2	2/2015 5:15:00 PM	
Lab ID: 1504168-003	Matrix:	SOIL	Received I	Date: 4/4	/2015 8:00:00 AM	
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E 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 RA	NGE				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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	d Blank
	E	Value above quantitation range	Н	H Holding times for preparation or analysis excee	
	<ul><li>J Analyte detected below quantitation limits</li><li>O RSD is greater than RSDlimit</li></ul>		ND	Not Detected at the Reporting Limit	Page 3 of 7
			Р	Sample pH Not In Range	1 age 5 01 7
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytica	l Report
Lab Order	1504168

#### Date Reported: 4/8/2015

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Project:	Animas Environmental CoP SJ 28-6 #79	Client Sample ID: SC-4 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 MET	HOD 8015D: DIESEL RANGE	ORGANICS				Analyst	JME				
Diesel Ra	ange 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: D	NOP	90.4	63.5-128	%REC	1	4/7/2015 12:00:54 PM	18527				
EPA MET	HOD 8015D: GASOLINE RAN	IGE				Analyst	RAA				
Gasoline	Range Organics (GRO)	ND	3.8	mg/Kg	1	4/7/2015 5:20:23 PM	18532				
Surr: B	FB	84.4	80-120	%REC	1	4/7/2015 5:20:23 PM	18532				
EPA MET	HOD 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				
Ethylbenz	zene	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				

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method B	lank	
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exc	ceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 4 of 7	
	0	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				

WO#: 1504168

08-Apr-15

Client:AnimasProject:CoP SJ	Environme 28-6 #79	ntal									
Sample ID MB-18527	BLK	Tes	tCode: El	PA Method	8015D: Dies	el Range C	Organics				
Client ID: PBS	Batch	Batch ID: 18527 RunNo: 25330									
Prep Date: 4/6/2015	Analysis D	ate: 4/	7/2015	15 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	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015D: Dies	el Range (	Organics		
Client ID: LCSS	Batch	h ID: 18	527	F	RunNo: 2	5330					
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

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08-Apr-15

Client: Project:	Animas Environm CoP SJ 28-6 #79	ental									
Sample ID LCS-1	3532 Samp	Type: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e		
Client ID: LCSS	Bat	ch ID: 18	532	532 RunNo: 25343							
Prep Date: 4/6/20	Analysis	Date: 4	7/2015	S	SeqNo: 7	50025	Units: mg/k	٢g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organi	cs (GRO) 23	5.0	25.00	0	93.1	64	130				
Surr: BFB	910		1000		91.0	80	120				
Sample ID MB-18	532 Samp	Туре: МІ	BLK	Tes	tCode: E	PA Method	8015D: Gase	oline Rang	e		
Client ID: PBS	Bat	ch ID: 18	532	F	RunNo: 2	5343					
Prep Date: 4/6/2	015 Analysis	Date: 4	7/2015	5	SeqNo: 7	50026	Units: mg/h	٢g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organi	xs (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

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

Sample ID LCS-18532	SampType: LCS TestCode: EPA Method 8021B: Volatiles										
	Detel		500								
Client ID: LCSS	Batch	11D: 18	532	F	(unNo: 2	5343					
Prep Date: 4/6/2015	Analysis D	ate: 4/	7/2015	SeqNo: 750068 Units: mg/Kg							
Analyte	Result	PQL	SPK value	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLim						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				
	SampType: MBLK TestCode: EPA Method 8021B: Volatiles										
Sample ID MB-18532	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles			
Sample ID MB-18532 Client ID: PBS	Samp1 Batcl	ype: ME	3LK 532	Tes	tCode: El RunNo: 2	PA Method 5343	8021B: Vola	tiles			
Sample ID MB-18532 Client ID: PBS Prep Date: 4/6/2015	Samp1 Batcl Analysis D	Type: ME n ID: 18 Date: 4/	3LK 532 7/2015	Tes F S	tCode: El RunNo: 2 SeqNo: 7	PA Method 5343 50069	8021B: Vola Units: mg/ł	tiles <g< td=""><td></td><td></td></g<>			
Sample ID MB-18532 Client ID: PBS Prep Date: 4/6/2015 Analyte	SampT Batcl Analysis D Result	ype: ME DID: 18 Date: 4/ PQL	3LK 532 7/2015 SPK value	Tes F S SPK Ref Val	tCode: El RunNo: 2 SeqNo: 7 %REC	PA Method 5343 50069 LowLimit	8021B: Vola Units: mg/ł HighLimit	tiles (g %RPD	RPDLimit	Qual	
Sample ID MB-18532 Client ID: PBS Prep Date: 4/6/2015 Analyte Benzene	SampT Batcl Analysis D Result ND	ype: ME D ID: 18 Date: 4/ PQL 0.050	3LK 532 7/2015 SPK value	Tes F S SPK Ref Val	tCode: El RunNo: 2 SeqNo: 7 %REC	PA Method 5343 50069 LowLimit	8021B: Vola Units: mg/ł HighLimit	tiles (g %RPD	RPDLimit	Qual	
Sample ID MB-18532 Client ID: PBS Prep Date: 4/6/2015 Analyte Benzene Toluene	SampT Batcl Analysis E Result ND ND	ype: ME n ID: 18 Date: 4/ PQL 0.050 0.050	3LK 532 7/2015 SPK value	Tes F S SPK Ref Val	tCode: El RunNo: 2 SeqNo: 7 %REC	PA Method 5343 50069 LowLimit	8021B: Vola Units: mg/ł HighLimit	tiles (g %RPD	RPDLimit	Qual	
Sample ID MB-18532 Client ID: PBS Prep Date: 4/6/2015 Analyte Benzene Toluene Ethylbenzene	SampT Batcl Analysis E Result ND ND ND	ype: ME n ID: 18 Date: 4/ PQL 0.050 0.050 0.050	3LK 532 7/2015 SPK value	Tes F S SPK Ref Val	tCode: El RunNo: 2 GeqNo: 7 %REC	PA Method 5343 50069 LowLimit	8021B: Vola Units: mg/ł HighLimit	tiles (g %RPD	RPDLimit	Qual	
Sample ID MB-18532 Client ID: PBS Prep Date: 4/6/2015 Analyte Benzene Toluene Ethylbenzene Xylenes, Total	SampT Batcl Analysis D Result ND ND ND ND	ype: ME Date: 4/ PQL 0.050 0.050 0.050 0.10	3LK 532 7/2015 SPK value	Tes F SPK Ref Val	tCode: El RunNo: 2 SeqNo: 7 %REC	PA Method 5343 50069 LowLimit	8021B: Vola Units: mg/ł HighLimit	tiles (g %RPD	RPDLimit	Qual	

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
  - Р Sample pH Not In Range

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1504168 08-Apr-15

WO#:

RL Reporting Detection Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albı TEL: 505-345-3975 Website: www.ha	Analysis Labora 4901 Hawkin uquerque, NM 8 FAX: 505-345- illenvironmental	atory s NE 7109 <b>Sam</b> 4107 .com	ple Log-In Check List
Client Name: Animas Environmental	Work Order Number	1504168		RcptNo: 1
Received by/date: Ar 64/64	115			
Logged By: Anne Thorne	4/4/2015 8:00:00 AM		ame Sham	-
Completed By: Anne Thorne	4/6/2015		ann Im	_
Reviewed By:	04/06/15			
Chain of Custody	041			
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		
<u>Log In</u>				
4. Was an attempt made to cool the sample	es?	Yes 🗹	No 🗆	
5. Were all samples received at a temperat	ure of >0° C to 6.0°C	Yes 🗹	No 🗌	
6. Sample(s) in proper container(s)?		Yes 🗹	No 🗆	
7. Sufficient sample volume for indicated te	st(s)?	Yes 🗹	No 🗌	
8. Are samples (except VOA and ONG) pro	perly 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 br	roken?	Yes 🗆	No 🗹	# of preserved
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	1	Yes 🗹	No 🗌	bottles checked for pH: (<2 or >12 unless noted)
13. Are matrices correctly identified on Chair	of Custody?	Yes 🗹	No 🗌	Adjusted?
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 🗌	Checked by:

#### Special Handling (if applicable)

Was client notified of all d	iscrepan	cles with	h this	order?		Yes [	ן	No 🗆		NA 🗹
Person Notified:					Date					
By Whom:					Via:	eMail	Phone	Fax	In Pe	rson
Regarding:				1	.) k water			A -= //w/ -= .		· · · · · ·
Client Instructions:							and the second			

17. Additional remarks:

n

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Ch	ain-o	f-Cust	tody Record	Turn-Around T	"ime:					-						-		_					
Client: Ani	mas Envi	ronmental	Services	X Standard			' _			H			E		16			16		A			
				Project Name:		•	ī			-													
Mailing Ad	dress: 60	4 W Pinor	n St	Co	PS128	-6 #79		40		mudd	wwv	v.na		ironi	neni			1400					
	E		NB1 07/04	Project #:	00 20	-0 #15		49		awki		E -	AID	uque	505-245-4107								
	Fai	mington,	NM 87401					Te	a. 50	5-34	5-38	975 A	hal	ax	505- Reg	345	4107						
Email or Fa	av#· eskv	les@anim	asenvironmental.com	Project Manager																			
QA/QC Pac	kage:			, rojovi manag	Emilee Skyle	es		A 12(	125			0.00											
X Standar	d		Level 4 (Full Validation)	)				EP	-SN			PA 9	175	0									
Accreditati	on:			Sampler: D. Davis				- 80	2			ta - E	RSK	300.	0.7	B			H				
O NELAP		□ Other		On Ice:	Yes	L NO	200	Ictar	à	S		la/Be	1 SS	EPA	A 20	232(		58	1500				
	ype)			sample lemp	enaturen V.		PA	npuc	2540	20		- Apt	Gasi	-su	E .	SM	21B	801	SM 4				
Data	Time	Motrix	Sample Paguast ID	Container	Preservative		-0	ic O	SM	A		tivity	ved	Anio	ations	- ity -	- 80	EPA	nia				
Date	Time	IVIALITA	Sample Request ID	Type and #	Туре	A DEMONSTRAT	seni	ecif	-s	pilide	linity	dioac	ssol	ajor	jor C	kalin	Ě	눈	omu				
				Meonikat		CO-CIVALE	A	ŝ	F	S	Sa	Ra	ā	Ň	Ma	AI	B	4	A		_		
4/2/15	1435	Soil	SC-1	Various	Various	-00											X	X					
4/2/15	1432	Soil	SC-2	Various	Various	-02											X	X					
4/2/15	1715	Soil	SC-3	Various	Various	763											x	x					
4/2/15	1608	Soil	SC-4	Various	Various	-cut											X	X					
,																							
Date:	Time:	Relinquish	ed by:	Received by:		Date Time	Rem	arks	: Bill	to C	ono	o Pl	hillips	5					000	WC	#		
4/2/15	1708	J.	nDS-	Ahrit.	1, hole	4/3/15.708	Sup	ervis	8 or: B	obby	Spe	arm	an					0	SER	Are	a: 2		
Date:	Time:	Relinquish	ed by:	Received by:	unde	Date Time	Ordered By: Dale Gallegos																
4/2/15	1767	1 cha	atry 1, Dalon	1/01	h	04/04/15																	
Cile	1.0/				annalised tobannad	ine This second as action of	this as	cella lit	he Am	u out.	-	rtad d	lata wi	I he c	learly	ateton	d on th	he and	Intical	renort			



April 10, 2015

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

RE: CoP SJ 28-6 #79

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

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 <u>www.hallenvironmental.com</u> 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 qualifers 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,

and

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

<b>Analytical Report</b>
Lab Order 1504286

Date Reported: 4/10/2015

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental			Client Sampl	e ID: SC	2-5	
<b>Project:</b> CoP SJ 28-6 #79			Collection ]	Date: 4/7	7/2015 2:40:00 PM	
Lab ID: 1504286-001	Matrix:	MEOH (SOIL	A) Received	Date: 4/8	8/2015 6:50:00 AM	
Analyses	Result	RL Qu	al 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 RAM	IGE				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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	d Blank
	E	Value above quantitation range	Н	Holding times for preparation or analysis	exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 1 of 7
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	ruge ror /
	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

Batch

## Hall Environmental Analysis Laboratory, Inc.

	HOD MALED DIESEL DANCI						A -	alvat
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	
Lab ID:	1504286-002	Matrix:	MEOH (SO	OIL)	Received	<b>Date:</b> 4/8	2/2015 6:50:00 A	М
<b>Project:</b>	CoP SJ 28-6 #79				Collection	Date: 4/7	/2015 2:59:00 PM	M
CLIENT:	Animas Environmental			C	lient Samp	ole ID: SC	-6	

EPA METHOD 8015D: DIESEL RANGE OR	GANICS				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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 2 of 7
	0	RSD is greater than RSDlimit	P	Sample pH Not In Range	1 450 2 01 7
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

<b>Analytical Report</b>
Lab Order 1504286
Date Reported: 4/10/2015

## Hall Environmental Analysis Laboratory, Inc.

Analyses		Result	RL	Qual	Units	DF Date Analyzed
Lab ID:	1504286-003	Matrix:	MEOH (So	OIL)	Received	Date: 4/8/2015 6:50:00 AM
<b>Project:</b>	CoP SJ 28-6 #79				Collection	Date: 4/7/2015 3:15:00 PM
CLIENT:	Animas Environmental			C	lient Samp	ole ID: SC-7

Analyses	Result	RL Qu	al 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 RAN	GE				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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method H	Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis ex	ceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 3 of 7
	Ο	RSD is greater than RSDlimit	Р	Sample pH Not In Range	1 age 5 01 7
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

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 (MRC	D) 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 1504286-001	AMS 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 1504286-001	AMSD 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

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1504286 10-Apr-15

Client:Animas EnvironmentalProject: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

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1504286 10-Apr-15

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

Sample ID MB-18551	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batch	n ID: 18	551	F	RunNo: 2	5375				
Prep Date: 4/7/2015	Analysis D	ate: 4/	8/2015	S	SeqNo: 7	51117	Units: mg/K	g		
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	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Sample ID LCS-18551 Client ID: LCSS	SampT Batch	ype: LC	S 551	Tes F	tCode: El RunNo: 2	PA Method 5375	8015D: Gasc	line Rang	e	
Sample ID LCS-18551 Client ID: LCSS Prep Date: 4/7/2015	SampT Batch Analysis D	ype: LC n ID: 18 Date: 4/	S 551 8/2015	Tes F	tCode: El RunNo: 2 SeqNo: 7	PA Method 5375 51118	8015D: Gaso Units: mg/M	oline Rang	e	
Sample ID LCS-18551 Client ID: LCSS Prep Date: 4/7/2015 Analyte	SampT Batch Analysis D Result	Type: <b>LC</b> n ID: <b>18</b> Date: <b>4</b> / PQL	<b>S</b> 551 8/2015 SPK value	Tes F S SPK Ref Val	tCode: El RunNo: 2 SeqNo: 7 %REC	PA Method 5375 51118 LowLimit	8015D: Gasc Units: mg/k HighLimit	oline Rang Kg %RPD	e RPDLimit	Qual
Sample ID LCS-18551 Client ID: LCSS Prep Date: 4/7/2015 Analyte Gasoline Range Organics (GRO)	SampT Batch Analysis D Result 24	Type: LC n ID: 18 Date: 4/ PQL 5.0	<b>S</b> 551 8/2015 SPK value 25.00	Tes F S SPK Ref Val 0	tCode: El RunNo: 2 BeqNo: 7 %REC 97.7	PA Method 5375 51118 LowLimit 64	8015D: Gaso Units: mg/M HighLimit 130	vline Rang (g %RPD	e RPDLimit	Qual

Qualifiers:

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

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1504286

10-Apr-15

Client:Animas EnvironmentalProject:CoP SJ 28-6 #79

								the second s		the second se
Sample ID MB-18551	SampT	SampType: MBLK TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch	n ID: 18	551	R	unNo: 2	5375				
Prep Date: 4/7/2015	Analysis D	ate: 4/	8/2015	S	eqNo: 7	50899	Units: mg/K	g		
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	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Sample ID LCS-18551 Client ID: LCSS	Samp1 Batcl	ype: LC	S 551	Tes	tCode: El	PA Method 5375	8021B: Volat	tiles		
Sample ID LCS-18551 Client ID: LCSS Prep Date: 4/7/2015	SampT Batcl Analysis D	ype: LC 1 ID: 18 0ate: 4/	S 551 8/2015	Tes F S	tCode: El RunNo: 2 GeqNo: 7	PA Method 5375 50900	8021B: Volat Units: mg/K	tiles Kg		
Sample ID LCS-18551 Client ID: LCSS Prep Date: 4/7/2015 Analyte	SampT Batcl Analysis D Result	ÿpe: <b>LC</b> n ID: <b>18</b> Date: <b>4</b> / PQL	<b>S</b> 551 8/2015 SPK value	Tes F S SPK Ref Val	tCode: El RunNo: 2 SeqNo: 7 %REC	PA Method 5375 50900 LowLimit	8021B: Volat Units: mg/K HighLimit	tiles Sg %RPD	RPDLimit	Qual
Sample ID LCS-18551 Client ID: LCSS Prep Date: 4/7/2015 Analyte Benzene	SampT Batcl Analysis D Result 1.2	ype: LC ID: 18: Date: 4/ PQL 0.050	S 551 8/2015 SPK value 1.000	Tes F S SPK Ref Val 0	tCode: El RunNo: 2 BeqNo: 7 %REC 119	PA Method 5375 50900 LowLimit 76.6	8021B: Volat Units: mg/K HighLimit 128	tiles Sg %RPD	RPDLimit	Qual
Sample ID LCS-18551 Client ID: LCSS Prep Date: 4/7/2015 Analyte Benzene Toluene	SampT Batcl Analysis D Result 1.2 1.1	ype: LC n ID: 18 Date: 4/ PQL 0.050 0.050	<b>S</b> 551 8/2015 SPK value 1.000 1.000	Tes F S SPK Ref Val 0 0	tCode: El RunNo: 2 SeqNo: 7 %REC 119 115	PA Method 5375 50900 LowLimit 76.6 75	8021B: Volat Units: mg/K HighLimit 128 124	tiles (g %RPD	RPDLimit	Qual
Sample ID LCS-18551 Client ID: LCSS Prep Date: 4/7/2015 Analyte Benzene Toluene Ethylbenzene	SampT Batcl Analysis D Result 1.2 1.1 1.2	ype: LC n ID: 18 Date: 4/ PQL 0.050 0.050 0.050	<b>S</b> 551 8/2015 SPK value 1.000 1.000 1.000	Tes F SPK Ref Val 0 0 0 0	tCode: El RunNo: 2 GeqNo: 7 %REC 119 115 117	PA Method 5375 50900 LowLimit 76.6 75 79.5	8021B: Volat Units: mg/K HighLimit 128 124 126	tiles 5g %RPD	RPDLimit	Qual
Sample ID LCS-18551 Client ID: LCSS Prep Date: 4/7/2015 Analyte Benzene Toluene Ethylbenzene Xylenes, Total	SampT Batch Analysis E Result 1.2 1.1 1.2 3.5	ype: LC Date: 4/ PQL 0.050 0.050 0.050 0.050 0.10	<b>S</b> 551 8/2015 SPK value 1.000 1.000 1.000 3.000	Tes F SPK Ref Val 0 0 0 0 0 0	tCode: El RunNo: 2 SeqNo: 7 %REC 119 115 117 117	PA Method 5375 50900 LowLimit 76.6 75 79.5 78.8	8021B: Volat Units: mg/K HighLimit 128 124 126 124	tiles 5g %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 RSDlimitR RPD outside accepted recovery limits
- R R D buistae accepted recovery mints
- 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

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1504286 10-Apr-15

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

Hall Environmenial 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:	calos 15			
Logged By: Lindsay Mangin	4/8/2015 6:50:00 AM		Julip	
Completed By Lindsay Mangin	4/8/2015 7:51:01 AM		ALAMAD	
Reviewed By.	04/08/15		0.00	
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 same	bles?	Yes 🔽	No 🗌	NA
5. Were all samples received at a temper	ature of >0° C to 6.0°C	Yes 🗸	No 🗌	NA
6. Sample(s) in proper container(s)?		Yes 🗹	No 🗌	
7. Sufficient sample volume for indicated	lest(s)?	Yes 🗹	No 🗌	
8. Are samples (except VOA and ONG) p	roperly preserved?	Yes V	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 🖌	# of preserved
12. Does paperwork match bottle labels?		Yes 🖌	No 🗌	for pH:
(Note discrepancies on chain of custod	y)		N- []	(<2 or >12 unless note Adjusted?
13. Are matrices correctly identified on Cha	in of Custody?	Yes 🗹		South from the second sec
14. Is it clear what analyses were requeste 15. Were all holding times able to be met?	0?	Yes	No 🗌	Checked by:
(If no, notify customer for authorization	)			
<u>Special Handling (if applicable)</u>				
16. Was client notified of all discrepancies	with this order?	Yes 🛄	No 🗌	NA M
Person Notified:	Date		analanan kanakari, bertapatan kana dari p	
By Whom:	Via:	eMail	Phone Fax	In Person
Regarding Client Instructions:				
17 Additional camada:				
I / . Additional remarks:				
18. Cooler Information Cooler No. 1 Temp 90. 1 Constition	Seal Intact   Seal No	Seal Date	Signed By	
Coner no Temp o Conduion	Ver		orginou by	

Page 1 of 1

Ch	ain-o	f-Cust	tody Record	Turn-Around T	ime:										TE	0				-	
lient: Anii	mas Envir	onmental	Services	X Standard	C Rust										11	AF		TE D/			
				Project Name:								v hal		iron	ment						
ailing Ad	dress: 60-	4 W Pinor	n St	Co	P SJ 28	-6 #79		49	01 H	awki	ins N	1 <mark>E -</mark>	Alb	uqu	erau	e N	e. NM 87109				
	Eas	minetan	NIM 97404	Project #:	. 00 20	0 11 0		To	1 50	5.34	6.30	075	E	aqu.	505-	345	AE 4107				
	Far		NW 67401				6.5	Te	a. 50	5-54	5-5:	A	naly	sis	Req	uest	410				
mail or Fa	ax#: eskv	les@anim	asenvironmental.com	Project Manag	er:			0.1	40												
A/QC Pac	kage:				Emilee Skyle	es		A 12	A 25			00.0									
Standar	d		Level 4 (Full Validation)					E	- SI			PA 9	(175	0					0		
ccreditati	on:			Sampler:	D. Davis		8	- eol	SOL			ta - E	RSK	300	0.7	8			F		
) NELAP		□ Other		On ce		EL NO 15	200	Ictar	o l	SD		ha/Be	- se	EPA	A 20	232		158	1500		
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	senic - EPA	ecific Condu	S - SM 254	Ifide A4500	linity	dloactivity - Alp	ssolved Gas	ajor Anions-	or Cations - Ef	calinity - SM	EX - 8021B	H - EPA 80	monia SM		
	1.4.4					16041236	Ä	Sp	TS	Su	Sal	Rad	ö	Ma	Maj	Alk	BT	F	An		_
4/7/15	1990	Soil	SC-5	Various	Various	-601											х	X			
4/7/15	1459	Soil	SC-6	Various	Various	-002											X	х			
4/7/15	1515	Soil	SC-7	Various	Various	-003											х	x			
												_									
									_		_	_									
								-	_	_	_	_	_							-	_
				-					_	_	_		_					$\vdash$	$ \rightarrow $	-	_
pate: NS	Time: NUG	Refinquish	ed by:	Received by:	last	Date Time 4 7/5 /749	Rem 2064 Supe	arks 1892 ervis	: Bill 8 or: B	to C	onoc	o Ph	nillips	3				U	SER	WC BR Are	# ADL a: 2
Date: 1/15	Time: [810	Relinquish	W Walles	Received by	04	Date Time 08/15 NG50	Orde	ered	By: [	Jale	Galle	egos				•					



Hall Environmental Analysis Laboratory, Inc.       Lab Order 1503C73         Date Reported:       Date Reported:									
CLIENT: Animas EnvironmentalProject:CoP SJ 28-6 # 79Lab ID:1503C73-001	Client Sample ID: HP-1 @ 4' Collection Date: 3/26/2015 10:10:00 AN 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 RANG	GE					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		

**Analytical Report** 

Qualifiers: *		Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysi	s exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 1 of 0
	Ο	RSD is greater than RSDlimit	Р	Sample pH Not In Range	1 450 1 01 0
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

**Analytical Report** 

Lab Order 1503C73

Date Reported:

		-							
CLIENT: Animas Environmental Project: CoP SJ 28-6 # 79 Lab ID: 1503C73-002	Matrix:	Client Sample ID: HP-1Collection Date: 3/26/2015 11:15:00 AMMatrix: AQUEOUSReceived 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 M	ETALS				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			

Hall Environmental Analysis Laboratory, Inc.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank			
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	s exceeded		
	J	Analyte detected below quantitation limits	ND Not Detected at the Reporting		Page 2 of (		
	0	RSD is greater than RSDlimit		Sample pH Not In Range	1 age 2 of t		
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit			
	S	Spike Recovery outside accepted recovery limits					

				Analytical Report
Hall Environmental Analys	is Laborat	ory, Inc.		Date Reported:
CLIENT: Animas Environmental		(	lient Samn	ole ID: HP-1
Project: CoP SI 28-6 # 79			Collection	Date: 3/26/2015 11:00:00 AM
Lab ID: 1502072-002	Matrice	OUTEOUS	Dessived	Date: 3/20/2015 7:20:00 AM
Lab ID: 1505C75-005	Matrix: A	QUEOUS	Received	Date: 3/2//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 R251
Toluene	8100	200	µg/L	200 3/27/2015 1:51:38 PM R251
Ethylbenzene	570	200	µg/L	200 3/27/2015 1:51:38 PM R251
Methyl tert-butyl ether (MTBE)	ND	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
1,2,4-Trimethylbenzene	280	200	µg/L	200 3/27/2015 1:51:38 PM R251
1,3,5-Trimethylbenzene	150	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
1,2-Dichloroethane (EDC)	ND	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
Naphthalene	7.7	4.0	µg/L	2 3/27/2015 12:44:20 PM R251
1-Methylnaphthalene	ND	8.0	µg/L	2 3/27/2015 12:44:20 PM R251
2-Methylnaphthalene	ND	8.0	µg/L	2 3/27/2015 12:44:20 PM R251
Acetone	ND	20	µg/L	2 3/27/2015 12:44:20 PM R251
Bromobenzene	ND	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
Bromodichloromethane	ND	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
Bromoform	ND	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
Bromomethane	ND	6.0	µg/L	2 3/27/2015 12:44:20 PM R251
2-Butanone	ND	20	µg/L	2 3/27/2015 12:44:20 PM R251
Carbon disulfide	ND	20	µg/L	2 3/27/2015 12:44:20 PM R251
Carbon Tetrachloride	ND	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
Chlorobenzene	ND	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
Chloroethane	ND	4.0	µg/L	2 3/27/2015 12:44:20 PM R251
Chloroform	ND	2.0	ug/L	2 3/27/2015 12:44:20 PM R251
Chloromethane	ND	6.0	ug/L	2 3/27/2015 12:44:20 PM R251
2-Chlorotoluene	ND	2.0	ug/L	2 3/27/2015 12:44:20 PM R251
4-Chlorotoluene	ND	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
cis-1,2-DCE	ND	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
cis-1,3-Dichloropropene	ND	2.0	ug/L	2 3/27/2015 12:44:20 PM R251
1.2-Dibromo-3-chloropropane	ND	4.0	ua/L	2 3/27/2015 12:44:20 PM R251
Dibromochloromethane	ND	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
Dibromomethane	ND	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
1,2-Dichlorobenzene	ND	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
1,3-Dichlorobenzene	ND	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
1,4-Dichlorobenzene	ND	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
Dichlorodifluoromethane	ND	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
1,1-Dichloroethane	ND	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
1,1-Dichloroethene	ND	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
1,2-Dichloropropane	ND	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
1,3-Dichloropropane	ND	2.0	µg/L	2 3/27/2015 12:44:20 PM R251
2,2-Dichloropropane	ND	4.0	µg/L	2 3/27/2015 12:44:20 PM R251

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

Page 3 of 0

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank			
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded			
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page		
O RSD is g		RSD is greater than RSDlimit	Р	Sample pH Not In Range	1 age		
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit			

Spike Recovery outside accepted recovery limits

S

**Analytical Report** 

Lab Order 1503C73

Date Reported:

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Animas Environmental

1503C73-003

**Project:** CoP SJ 28-6 # 79

Lab ID:

#### Client Sample ID: HP-1 Collection Date: 3/26/2015 11:00:00 AM

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

Analyses	Result	RL Qua	al 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

Matrix: AQUEOUS

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank	
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded		
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 4 of 0	
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	1 420 4 01 0	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit		
	S	Spike Recovery outside accepted recovery limits				

### HALL ENVIRONMENTAL ANALYSIS LABORATORY

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 <u>www.hallenvironmental.com</u> 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 qualifers 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

#### Analytical Report Lab Order 1503C73 Date Reported: 3/31/2015

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas EnvironmentalClient Sample ID: HP-1 @ 4'Project:CoP SJ 28-6 # 79Collection Date: 3/26/2015 10:10:00 AMLab ID:1503C73-001Matrix: MEOH (SOIL)Received Date: 3/27/2015 7:30:00 AM

Analyses	Result	RL Qu	al 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 RANG	GE				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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	od Blank	
	E	Value above quantitation range	Н	Holding times for preparation or analysis exceeded		
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 1 of 18	
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	1 age 1 01 10	
	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

**Project:** CoP SJ 28-6 # 79

#### Client Sample ID: HP-1 Collection Date: 3/26/2015 11:15:00 AM Received Date: 3/27/2015 7:30:00 AM

Lab ID: 1503C73-002	Matrix: A	QUEOUS	Received Dat	te: 3/2	7/2015 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 MET	TALS				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 SO	DLIDS				Analyst:	KS
Total Dissolved Solids	470	200	mg/L	1	3/30/2015 3:28:00 PM	18383

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	Blank
	E	Value above quantitation range	Н	Holding times for preparation or analysis e	exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 2 of 18
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	1 age 2 01 10
	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.

Chloroform

Chloromethane

2-Chlorotoluene

4-Chlorotoluene

cis-1,3-Dichloropropene

Dibromochloromethane

Dibromomethane

1,2-Dichlorobenzene

1,3-Dichlorobenzene

1,4-Dichlorobenzene

1,1-Dichloroethane

1,1-Dichloroethene

1,2-Dichloropropane

1,3-Dichloropropane

2,2-Dichloropropane

Dichlorodifluoromethane

1,2-Dibromo-3-chloropropane

cis-1,2-DCE

CLIENT: Animas Environmental			Client Samp	le ID: HP	-1	
<b>Project:</b> CoP SJ 28-6 # 79			Collection	Date: 3/20	6/2015 11:00:00 AM	
Lab ID: 1503C73-003	Matrix:	AQUEOUS	Received	Date: 3/2'	7/2015 7:30:00 AM	
Analyses	Result	RL Qu	al 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

ND

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

2.0

6.0

2.0

2.0

2.0

2.0

4.0

2.0

2.0

2.0

2.0

2.0

2.0

2.0

2.0

2.0

2.0

4.0

µg/L

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

3/27/2015 12:44:20 PM R25121

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank	
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded		
	J	Analyte detected below quantitation limits	ND	ND Not Detected at the Reporting Limit		
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	1 450 5 01 10	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit		
	S	Spike Recovery outside accepted recovery limits				

Han Environmental Analysi	S Laborat	ory, mc.			Date Reported: 3/31/201	5	
CLIENT: Animas EnvironmentalProject:CoP SJ 28-6 # 79Lab ID:1503C73-003	Client Sample ID: HP-1Collection Date: 3/26/2015 11:00:00 AMMatrix: AQUEOUSReceived 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	

#### Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 1503C73

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Meth	nod Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analys	is exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 4 of 18
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	1 age 4 01 18
	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

Lab ID:

Client Sample ID: Trip Blank **Collection Date:** 

**Project:** CoP SJ 28-6 # 79 1503C73-004

Received Date: 3/27/2015 7:30:00 AM Matrix: TRIP BLANK

Analyses	Result	RL Qua	al 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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank	
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded		
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 5 of 18	
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	1 420 5 01 10	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit		
	S	Spike Recovery outside accepted recovery limits				

Hall Environmental Analys	is Labora	atory, In	с.		Date Reported: 3/31/20	15
CLIENT: Animas Environmental			Client Sam	ple ID: Tri	ip Blank	
<b>Project:</b> CoP SJ 28-6 # 79			Collection	i Date:		
Lab ID: 1503C73-004	Matrix:	TRIP BLA	NK Received	I Date: 3/2	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

**Analytical Report** Lab Order 1503C73

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	od Blank	
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded		
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 6 of 18	
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	1 age 0 01 10	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit		
	S	Spike Recovery outside accepted recovery limits				

Manufacture of the second s										
Sample ID MB	Samp	Туре: МЕ	BLK	TestCode: EPA Method 300.0: Anions						
Client ID: PBW	Batch ID: R25117			RunNo: 25117						
Prep Date:	Analysis [	Date: 3/	27/2015	5	SeqNo: 7	42525	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								
	ne -	0.00								
Sample ID LCS	Samp	Type: LC	S	TestCode: EPA Method 300.0: Anions						
Client ID: LCSW	Batch ID: R25117			RunNo: <b>25117</b>						
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	TestCode: EPA Method 300.0: Anions									
Client ID: HP-1	Batch ID: R25117			RunNo: <b>25117</b>						
Prep Date:	Analysis Date: 3/27/2015		5	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: <b>25117</b>						
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

Page 7 of 18

- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

WO#: 1503C73 31-Mar-15
WO#: 1503C73

31-Mar-15

Client: Project:	Animas Er CoP SJ 28	vironmen -6 # 79	ıtal								
Sample ID 150	03C73-002AMSD	SampTy	pe: MS	D	Tes	tCode: EF	PA Method	300.0: Anions	5		
Client ID: HP	-1	Batch	ID: R2	5117	R	RunNo: 2	5117				
Prep Date:		Analysis Da	ate: 3/2	27/2015	S	SeqNo: 74	42529	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phosphorus, Orthop	phosphate (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 ME	3	SampTy	ype: ME	ILK	Tes	tCode: EF	PA Method	300.0: Anions	6		
Client ID: PB	W	Batch	ID: R2	5117	F	RunNo: 2	5117				
Prep Date:		Analysis Da	ate: 3/2	27/2015	S	SeqNo: 74	42581	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	s N)	ND	0.10								
Nitrogen, Nitrate (A	s N)	ND	0.10								
Phosphorus, Orthop	phosphate (As P	ND	0.50								
Sulfate		ND	0.50								
Sample ID LC	S	SampT	ype: LC	S	Tes	tCode: EF	PA Method	300.0: Anions	5		
Client ID: LC	SW	Batch	ID: R2	5117	F	RunNo: 2	5117				
Prep Date:		Analysis Da	ate: 3/2	27/2015	S	SeqNo: 74	42582	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	5 N)	0.97	0.10	1.000	0	97.2	90	110			
Nitrogen, Nitrate (A	is N)	2.5	0.10	2.500	0	102	90	110			
Phosphorus, Orthop	phosphate (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 ME	3	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	300.0: Anions	5		
Client ID: PB	W	Batch	ID: R2	5181	F	RunNo: 2	5181				
Prep Date:		Analysis D	ate: 3/	30/2015	5	SeqNo: 7	44197	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromide		ND	0.10					X			
Sample ID LC	S	SampT	ype: LC	S	Tes	tCode: El	PA Method	300.0: Anions	S		
Client ID: LC	SW	Batch	ID: R2	5181	F	RunNo: 2	5181				
Prep Date:		Analysis D	ate: 3/	30/2015	5	SeqNo: 7	44198	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

Page 8 of 18

Client:Animas EnvironmentalProject: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
Sample ID LCS Client ID: LCSW	SampType: LCS Batch ID: R25181	TestCode: EPA Method RunNo: 25181	300.0: Anions
Sample ID LCS Client ID: LCSW Prep Date:	SampType: LCS Batch ID: R25181 Analysis Date: 3/31/2015	TestCode: EPA Method RunNo: 25181 SeqNo: 744242	300.0: Anions Units: mg/L
Sample ID LCS Client ID: LCSW Prep Date: Analyte	SampType: LCS Batch ID: R25181 Analysis Date: 3/31/2015 Result PQL SPK value	TestCode: <b>EPA Method</b> RunNo: <b>25181</b> SeqNo: <b>744242</b> SPK Ref Val %REC LowLimit	<b>300.0: Anions</b> Units: <b>mg/L</b> 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

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WO#:

Client:Animas EnvironmentalProject:CoP SJ 28-6 # 79

Sample ID MB-18374	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8015D: Diese	l Range C	Organics	
Client ID: PBS	Batch	n ID: 18	374	F	RunNo: 2	5115				
Prep Date:, 3/27/2015	Analysis D	ate: 3/	27/2015	S	SeqNo: 7	41645	Units: mg/K	g		
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	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Diese	el Range C	Drganics	
Client ID: LCSS	Batch	n ID: 18	374	F	RunNo: 2	5115				
Prep Date: 3/27/2015	Analysis D	ate: 3/	27/2015	S	SeqNo: 7	41646	Units: mg/K	g		
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

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Client:Animas EnvironmentalProject:CoP SJ 28-6 # 79

	the second se									
Sample ID MB-18358	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch	n ID: 18	358	F	RunNo: 2	5120				
Prep Date: 3/26/2015	Analysis D	Date: 3/	27/2015	S	SeqNo: 7	42138	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BEB	970		1000		96.9	80	120			
Sample ID LCS-18358	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Sample ID LCS-18358 Client ID: LCSS	SampT Batcl	ype: LC	:S 358	Tes	tCode: El RunNo: 2	PA Method 5120	8015D: Gaso	oline Rang	e	
Sample ID LCS-18358 Client ID: LCSS Prep Date: 3/26/2015	SampT Batcl Analysis D	Type: LC h ID: 18 Date: 3/	S 358 27/2015	Tes F	tCode: El RunNo: 2 SeqNo: 7	PA Method 5120 42139	8015D: Gaso Units: mg/k	oline Rang	e	
Sample ID LCS-18358 Client ID: LCSS Prep Date: 3/26/2015 Analyte	SampT Batcl Analysis D Result	Fype: LC h ID: 18 Date: 3/ PQL	358 27/2015 SPK value	Tes F S SPK Ref Val	tCode: El RunNo: 2 SeqNo: 7 %REC	PA Method 5120 42139 LowLimit	8015D: Gasc Units: mg/K HighLimit	vline Rang Kg %RPD	e RPDLimit	Qual
Sample ID LCS-18358 Client ID: LCSS Prep Date: 3/26/2015 Analyte Gasoline Range Organics (GRO)	SampT Batcl Analysis D Result 26	Fype: LC h ID: 18 Date: 3/ PQL 5.0	S 358 27/2015 SPK value 25.00	Tes F S SPK Ref Val 0	tCode: El RunNo: 2 SeqNo: 7 %REC 103	PA Method 5120 42139 LowLimit 64	8015D: Gaso Units: mg/k HighLimit 130	vline Rang Kg %RPD	e 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

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WO#: 1503C73

31-Mar-15

0.78

Client:Animas EnvironmentalProject:CoP SJ 28-6 # 79

Sample ID MB-18358	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batch	n ID: 18	358	F	RunNo: 2	5120				
Prep Date: 3/26/2015	Analysis D	Date: 3/	27/2015	S	SeqNo: 7	42168	Units: mg/K	g		
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	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batch	n ID: 18	358	F	RunNo: 2	5120				
Prep Date: 3/26/2015	Analysis D	)ate: 3/	27/2015	5	SeqNo: 7	42169	Units: mg/K	ζg		
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			

78.0

120

80

1.000

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range

Surr: 4-Bromofluorobenzene

- 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

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S

WO#:

# Client: Animas Environmental

**Project:** CoP SJ 28-6 # 79

Sample ID 5ml rb	SampT	ype: M	BLK	Tes	tCode: El	PA Method	8260B: VOL	TILES		
Client ID: PBW	Batch	ID: R2	5121	F	RunNo: 2	5121				
Prep Date:	Analysis D	ate: 3/	27/2015	5	SeqNo: 7	41804	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								

# Qualifiers:

2,2-Dichloropropane

\* Value exceeds Maximum Contaminant Level.

2.0

ND

- 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

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WO#: 1503C73

31-Mar-15

Client: Animas Environmental

**Project:** CoP SJ 28-6 # 79

Sample ID 5ml rb	SampTy	pe: ME	BLK	Tes	tCode: El	PA Method	8260B: VOL	ATILES		
Client ID: PBW	Batch I	D: <b>R2</b>	5121	F	RunNo: 2	5121				
Prep Date:	Analysis Da	te: 3/	27/2015	S	SeqNo: 7	41804	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 100nglcs200ngan	xs SampTy	pe: LC	s	Tes	tCode: El	PA Method	8260B: VOL	ATILES		
Client ID: LCSW	Batch	ID: <b>R2</b>	5121	F	RunNo: 2	5121				
Prep Date:	Analysis Da	te: 3/	27/2015	S	SeqNo: 7	41806	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			

## Qualifiers:

Chlorobenzene

\* Value exceeds Maximum Contaminant Level.

20

1.0

20.00

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

70

130

98.0

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH Not In Range

0

RL Reporting Detection Limit

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WO#:

Client:Animas EnvironmentalProject:CoP SJ 28-6 # 79

Sample ID 100nglcs200nga	<b>nxs</b> SampT	ype: LC	S	Tes	tCode: El	PA Method	8260B: VOL	ATILES		
Client ID: LCSW	Batch	n ID: R2	5121	F	RunNo: 2	5121				
Prep Date:	Analysis D	ate: 3/	27/2015	S	SeqNo: 7	41806	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:

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- 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

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WO#: 1503C73 31-Mar-15

Client: Project:		Animas Environmental CoP SJ 28-6 # 79									
Sample ID	MB	SampType:	MB	LK	Test	Code: EF	A Method	6010B: Disso	ved Meta	als	
Client ID:	PBW	Batch ID:	R2	5123	R	unNo: 2	5123				
Prep Date:		Analysis Date:	3/2	27/2015	S	eqNo: 74	1820	Units: mg/L			
Analyte		Result PC	ΩL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium Magnesium Sodium		ND ND ND	1.0 1.0 1.0								
Sample ID	LCS	SampType:	LC	S	Test	Code: EF	PA Method	6010B: Disso	lved Meta	als	
Client ID:	LCSW	Batch ID:	R2	5123	R	unNo: 2	5123				
Prep Date:		Analysis Date:	3/2	27/2015	S	eqNo: 74	41821	Units: mg/L			
Analyte		Result PC	QL	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	ME	LK	Tes	Code: EF	PA Method	6010B: Disso	lved Meta	als	
Client ID:	PBW	Batch ID:	R2	5123	R	unNo: 2	5123				
Prep Date:		Analysis Date:	3/	27/2015	S	eqNo: 74	41932	Units: mg/L			
Analyte		Result PO	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium		ND	1.0								
Sample ID	LCS	SampType	LC	S	Tes	Code: El	PA Method	6010B: Disso	lved Meta	als	
Client ID:	LCSW	Batch ID:	R2	5123	F	unNo: 2	5123				
Prep Date:		Analysis Date:	3/	27/2015	S	eqNo: 7	41933	Units: mg/L			
Analyte		Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium		50	1.0	50.00	0	99.9	80	120			

### Qualifiers:

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- E Value above quantitation range
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- 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

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Client:Animas EnvironmentalProject:CoP SJ 28-6 # 79

Sample ID mb-1	SampT	ype: MB	BLK	Tes	tCode: SI	W2320B: AI	kalinity			
Client ID: PBW	Batch	ID: R2	5116	F	RunNo: 2	5116				
Prep Date:	Analysis D	ate: 3/2	27/2015	S	SeqNo: 7	43012	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	SampT	ype: LC	S	Tes	tCode: SI	W2320B: AI	kalinity			
Sample ID Ics-1 Client ID: LCSW	SampT Batch	ype: LC	S 5116	Tes	tCode: SI RunNo: 2	W2320B: AI 5116	kalinity			
Sample ID Ics-1 Client ID: LCSW Prep Date:	SampT Batch Analysis D	ype: LC ID: R2 ate: 3/2	S 5116 27/2015	Tes F S	tCode: <b>SI</b> RunNo: <b>2</b> SeqNo: <b>7</b>	M2320B: Al 5116 43013	kalinity Units: mg/L	. CaCO3		
Sample ID Ics-1 Client ID: LCSW Prep Date: Analyte	SampT Batch Analysis D Result	ype: LC 1D: R2 ate: 3/; PQL	<b>S</b> 5116 27/2015 SPK value	Tes F S SPK Ref Val	tCode: <b>SI</b> RunNo: <b>2</b> SeqNo: <b>7</b> %REC	M2320B: Al 5116 43013 LowLimit	<b>kalinity</b> Units: <b>mg/L</b> HighLimit	<b>. CaCO3</b> %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

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WO#: 1503C73 31-Mar-15

Client:Animas EnvironmentalProject: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 Un	its: mg/L
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit Hi	ighLimit %RPD RPDLimit Qual
Total Dissolved Solids	ND 20.0		
Sample ID LCS-18383	SampType: LCS	TestCode: SM2540C MOD:	Total Dissolved Solids
Sample ID LCS-18383 Client ID: LCSW	SampType: LCS Batch ID: 18383	TestCode: SM2540C MOD: RunNo: 25163	Total Dissolved Solids
Sample ID LCS-18383 Client ID: LCSW Prep Date: 3/27/2015	SampType: LCS Batch ID: 18383 Analysis Date: 3/30/2015	TestCode: <b>SM2540C MOD:</b> RunNo: <b>25163</b> SeqNo: <b>743512</b> Un	Total Dissolved Solids
Sample ID LCS-18383 Client ID: LCSW Prep Date: 3/27/2015 Analyte	SampType: LCS Batch ID: 18383 Analysis Date: 3/30/2015 Result PQL SPK value	TestCode: SM2540C MOD: RunNo: 25163 SeqNo: 743512 Un SPK Ref Val %REC LowLimit Hi	<b>Total Dissolved Solids</b> nits: <b>mg/L</b> ighLimit %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

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HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental A Albuq TEL: 505-345-3975 F Website: www.hall	Inalysis Labo 4901 Hawk puerque, NM FAX: 505-34 lenvironment	ratory ins NE 87109 Sam i-4107 al.com	ple Log-In Chec	k List
Client Name: Animas Environmental	Work Order Number:	1503C73		RcptNo: 1	
Received by/date:	0329 5		1 a.a. a. 11		
Logged By: Lindsay Mangin	3/27/2015 7:30:00 AM		Junkyttago		
Completed By: Lindsay Mangin	3/27/2015 8:07:06 AM		Andyther		
Reviewed By:	13/27/18		000		
Chain of Custody	011-111				
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 sample:	s?	Yes 🛃	No 🗌	NA 🗆	
5. Were all samples received at a temperatu	re of >0° C to 6.0°C	Yes 🛃	No 🗌		
6. Sample(s) in proper container(s)?		Yes 🖈	No 🗌		
7. Sufficient sample volume for indicated test	t(s)?	Yes 🐼	No 🗆	,	
8. Are samples (except VOA and ONG) prop	erly preserved?	Yes	No 🛛		
9. Was preservative added to bottles?	N=	Yes	-No 🕢	NA DIN	
FOR DISSOLVED METALS ANALYSIS 10. VOA vials have zero headspace?	A FILTERED 125ml	Yes	No D	No VOA Vials	ACCONTACT OF US 12"
11. Were any sample containers received bro	ken?	Yes 🗆	No 🛃	# of preserved bottles checked	V
12. Does paperwork match bottle labels?		Yes 🛃	No 🗌	for pH:	(heter assign
(Note discrepancies on chain of custody) 13 Are matrices correctly identified on Chain	of Custody?	Yes	No 🗆	Adjusted?	EZ.
14. Is it clear what analyses were requested?		Yes	No 🗆	A	1
15. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🛃	No 🗆	Checked by:	(
<u>Special Handling (if applicable)</u>					
16. Was client notified of all discrepancies wit	h this order?	Yes	No 🗆	NA 🛃	
Person Notified:	Date:				
By Whom:	Via:	] eMail	] Phone 🔲 Fax	In Person	
Regarding:					
Client Instructions:					
17. Additional remarks:					
18. <u>Cooler Information</u> Cooler No Temp °C Condition	Seal Intact Seal No S	Seal Date	Signed By		
i jz.o  0000				l 	10
Page 1 of 1			an 1981		

С	hain-	of-Cu	stody Record	Turn-Around	Time: /	-					1.0		E	MV	TE	20	NF	ME	мт	'A I	
Client:	nimas	Environi	mental Services	□ Standard	Rush	SAME-DAY			E	A	N	AL	YS	SIS LABORATORY							
				Project Name	9:		www.hallenvironmental.com														
Mailing	Address	604 W	1. Pinon St.	GP S	J 28-6	#79	4901 Hawkins NE - Albuquerque, NM 87109														
Far	minato	NNN	87401	Project #:		Tel. 505-345-3975 Fax 505-345-4107															
Phone #	#: 50	5-564	- 2281	1								A	naly	sis	Req	ues	t				
email or	Fax#: S	JBUE -T	eam @ conocophillips . com	Project Mana	ger:		-	(Ylu	(0)					04)							
QA/QC F	Package:			FSK	les		021	IS OI	MF			6		4,S(	B's			160			
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O NEL	AP	U Otnei		On Ice	Z Yes	□ No	+	+	BRO	418	504	or 8.	S	NO3	es /		OA	NOV			o
	(Type)_			Sample 1em	perature: 21	6	Ē	TB	B	pou	por	10	leta	CI'	licid	(YO	N-in	A			O SO
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Date	Ime	Matrix	Sample Request ID	Type and #	Туре	HEAL NO.	Ě	EX	H	H	B	AH's	CRA	ion	181	60E	270	ati			18
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3126/15	10:10	Soil	HP-1 04'	1-402.	100/	-001	X		X										-+	_	
32615	11:15	Aqueno	HP-1	VARIONS	VARIONS	-02	1											X			
26/15	11:00	Aqueous	HP-1	3-40mL	HCI	-02										X					
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If necessary samples submitted to Hall Environmental may be subcontracted to other accredited taboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



April 07, 2015

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

RE: CoP SJ 28-6 # 79

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

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 <u>www.hallenvironmental.com</u> 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 qualifers 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analys	is Laborat	tory, Inc.	Lab Order <b>1504075</b> Date Reported: <b>4/7/2015</b>				
CLIENT: Animas Environmental Project: CoP SJ 28-6 # 79 Lab ID: 1504075-001	Matrix: A	C	lient Samp Collection Received	ole ID: HP Date: 3/3 Date: 4/2	-2 1/2015 11:50:00 AM /2015 7:00:00 AM		
Analyses	Result	RL Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 8021B: VOLATILES					Analys	t: 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	

**Analytical Report** 

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

-

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	Blank	
	E	Value above quantitation range	Н	Holding times for preparation or analysis ex	xceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 1 of 7	
	O RSD is greater than RSDlimit		Р	Sample pH Not In Range	rage ror /	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit		
	S	Spike Recovery outside accepted recovery limits				

Analytical	Report
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Lab Order 1504075

Date Reported: 4/7/2015

LIENT: Animas EnvironmentalClient Sample ID: HP-3roject:CoP SJ 28-6 # 79Collection Date: 3/31/2015 12:32:00 Plab ID:1504075-002Matrix: AQUEOUSReceived 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

Hall Environmental Analysis Laboratory, Inc.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank	
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 2 of 7	
	0	RSD is greater than RSDlimit	Р	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 1504075

Date Reported: 4/7/2015

CLIENT: Animas Environmental	Client Sample ID: HP-4									
<b>Project:</b> CoP SJ 28-6 # 79	Collection Date: 3/31/2015 1:00:00 PM									
Lab ID: 1504075-003	Matrix:	AQUEOUS	Received	<b>Date:</b> 4/2	/2015 7:00:00 AM					
Analyses	Result	RL Qua	l 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				

Hall Environmental Analysis Laboratory, Inc.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank			
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	exceeded		
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 3 of 7		
	O RSD is greater than RSDlimit		Р	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 1504075 Date Reported: 4/7/2015

#### **CLIENT:** Animas Environmental Client Sample ID: HP-5 CoP SJ 28-6 # 79 Collection Date: 3/31/2015 2:30:00 PM **Project:** 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 50 4/6/2015 12:41:18 PM R25329 µg/L 50 4/6/2015 12:41:18 PM Toluene 3200 50 µg/L 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.	В	Analyte detected in the associated Method Blank Holding times for preparation or analysis exceeded				
	Е	Value above quantitation range	Н					
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 4 of 7			
	O R	RSD is greater than RSDlimit	P RL	Sample pH Not In Range				
		RPD outside accepted recovery limits		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-6									
<b>Project:</b> CoP SJ 28-6 # 79			Collection	<b>Date:</b> 4/1	/2015 2:50:00 PM					
Lab ID: 1504075-005	Matrix:	AQUEOUS	Received	<b>Date:</b> 4/2	/2015 7:00:00 AM					
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch				
EPA METHOD 8021B: VOLATILES					Analyst					
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				

Hall Environmental Analysis Laboratory, Inc.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 5 of 7
	O RSD is greater than RSDlimit		Р	Sample pH Not In Range	1 age 5 01 7
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Hall Environmental Analys	sis Labora	tory, Inc.			Date Reported: 4/7/201	5
CLIENT: Animas Environmental		(	Client Sampl	e ID: HP	-7	
<b>Project:</b> 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 Qua	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,	В	Analyte detected in the associated Method Bl	lank	
	Е	Value above quantitation range	Η	Holding times for preparation or analysis exceeded		
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 6 of 7	
	Ο	RSD is greater than RSDlimit	Р	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 1504075

# Client:Animas EnvironmentalProject:CoP SJ 28-6 # 79

Sample ID	100NG BTEX LCS	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID:	LCSW	Batcl	n ID: R2	5296	F	RunNo: 2	5296				
Prep Date:		Analysis E	Date: 4/	3/2015	5	SeqNo: 74	48080	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-Bron	nofluorobenzene	24		20.00		118	80	120			
Sample ID	5ML-RB	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID:	PBW	Batc	h ID: R2	5296	F	RunNo: 2	5296				
Prep Date:		Analysis [	Date: 4/	3/2015	5	SeqNo: 7	48095	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-Bron	nofluorobenzene	18		20.00		89.7	80	120			
Sample ID	100NG BTEX LCS	Samp	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Sample ID Client ID:	100NG BTEX LCS LCSW	Samp <sup>-</sup> Batc	Type: LC h ID: R2	S 5329	Tes	tCode: El RunNo: 2	PA Method 5329	8021B: Volat	iles		
Sample ID Client ID: Prep Date:	100NG BTEX LCS LCSW	Samp <sup>-</sup> Batc Analysis [	Гуре: LC h ID: R2 Date: 4/	S 5329 6/2015	Tes F	tCode: El RunNo: 2 SeqNo: 7	PA Method 5329 49428	8021B: Volat Units: μg/L	iles		
Sample ID Client ID: Prep Date: Analyte	100NG BTEX LCS LCSW	Samp <sup>-</sup> Batc Analysis [ Result	Type: LC h ID: R2 Date: 4/ PQL	<b>S</b> 5329 6/2015 SPK value	Tes F SPK Ref Val	tCode: El RunNo: 2 SeqNo: 7 %REC	PA Method 5329 49428 LowLimit	<b>8021Β: Volat</b> Units: μg/L HighLimit	iles %RPD	RPDLimit	Qual
Sample ID Client ID: Prep Date: Analyte Benzene	100NG BTEX LCS LCSW	Samp Batc Analysis I Result 21	Type: LC h ID: R2 Date: 4/ PQL 1.0	<b>S</b> 5329 6/2015 SPK value 20.00	Tes F SPK Ref Val 0	tCode: El RunNo: 2 SeqNo: 7 %REC 104	PA Method 5329 49428 LowLimit 80	8021B: Volat Units: µg/L HighLimit 120	iles %RPD	RPDLimit	Qual
Sample ID Client ID: Prep Date: Analyte Benzene Toluene	100NG BTEX LCS LCSW	Samp Batc Analysis I Result 21 19	Гуре: LC h ID: R2 Date: 4/ PQL 1.0 1.0	<b>S</b> 5329 6/2015 SPK value 20.00 20.00	Tes F SPK Ref Val 0 0	tCode: El RunNo: 2 SeqNo: 7 %REC 104 95.8	PA Method 5329 49428 LowLimit 80 80	8021B: Volat Units: µg/L HighLimit 120 120	iles %RPD	RPDLimit	Qual
Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene	100NG BTEX LCS LCSW	Samp Batc Analysis I Result 21 19 19	Type: LC h ID: R2 Date: 4/ PQL 1.0 1.0 1.0	<b>S</b> 5329 6/2015 SPK value 20.00 20.00 20.00	Tes F SPK Ref Val 0 0 0 0	tCode: El RunNo: 2 SeqNo: 7 %REC 104 95.8 92.7	PA Method 5329 49428 LowLimit 80 80 80 80	8021B: Volat Units: μg/L HighLimit 120 120 120	iles %RPD	RPDLimit	Qual
Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	100NG BTEX LCS LCSW	Samp Batc Analysis I Result 21 19 19 56	Type: LC h ID: R2 Date: 4/ PQL 1.0 1.0 1.0 2.0	S 5329 6/2015 SPK value 20.00 20.00 20.00 60.00	Tes F SPK Ref Val 0 0 0 0 0	tCode: El RunNo: 2 SeqNo: 7 %REC 104 95.8 92.7 93.0	PA Method 5329 49428 LowLimit 80 80 80 80 80 80	8021B: Volat Units: μg/L HighLimit 120 120 120 120	iles %RPD	RPDLimit	Qual
Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bron	100NG BTEX LCS LCSW	Samp Batc Analysis I Result 21 19 19 56 20	Type: LC h ID: R2 Date: 4/ PQL 1.0 1.0 1.0 2.0	S 5329 6/2015 SPK value 20.00 20.00 60.00 20.00	Tes F SPK Ref Val 0 0 0 0 0	tCode: El RunNo: 2 SeqNo: 7 %REC 104 95.8 92.7 93.0 102	PA Method 5329 49428 LowLimit 80 80 80 80 80 80	8021B: Volat Units: µg/L HighLimit 120 120 120 120 120 120	iles %RPD	RPDLimit	Qual
Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bron Sample ID	100NG BTEX LCS LCSW nofluorobenzene 5ML-RB	Samp Batc Analysis I Result 21 19 19 56 20 Samp	Type: LC h ID: R2 Date: 4/ PQL 1.0 1.0 1.0 2.0	S 5329 6/2015 20.00 20.00 20.00 60.00 20.00 3LK	Tes F SPK Ref Val 0 0 0 0 0 Tes	tCode: El RunNo: 2 SeqNo: 7 %REC 104 95.8 92.7 93.0 102	PA Method 5329 49428 LowLimit 80 80 80 80 80 80 80	8021B: Volat Units: μg/L HighLimit 120 120 120 120 120 120 8021B: Volat	iles %RPD	RPDLimit	Qual
Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bron Sample ID Client ID:	100NG BTEX LCS LCSW nofluorobenzene 5ML-RB PBW	Samp Batc Analysis I Result 21 19 19 56 20 Samp Batc	Type: LC h ID: R2 Date: 4/ PQL 1.0 1.0 1.0 2.0 Type: ME h ID: R2	S 5329 6/2015 SPK value 20.00 20.00 20.00 60.00 20.00 3LK 25329	Tes F SPK Ref Val 0 0 0 0 0 Tes	tCode: El RunNo: 2 SeqNo: 7 %REC 104 95.8 92.7 93.0 102 tCode: El RunNo: 2	PA Method 5329 49428 LowLimit 80 80 80 80 80 PA Method 5329	8021B: Volat Units: µg/L HighLimit 120 120 120 120 120 8021B: Volat	iles %RPD	RPDLimit	Qual
Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bron Sample ID Client ID: Prep Date:	100NG BTEX LCS LCSW nofluorobenzene 5ML-RB PBW	Samp Batc Analysis I Result 21 19 19 56 20 Samp Batc Analysis I	Type: LC h ID: R2 Date: 4/ PQL 1.0 1.0 1.0 2.0 Type: ME h ID: R2 Date: 4/	S 5329 6/2015 20.00 20.00 20.00 60.00 20.00 3LK 5329	Tes F SPK Ref Val 0 0 0 0 Tes F	tCode: El RunNo: 2 SeqNo: 7 %REC 104 95.8 92.7 93.0 102 tCode: El RunNo: 2 SeqNo: 7	PA Method 5329 49428 LowLimit 80 80 80 80 80 PA Method 5329 49439	8021B: Volat Units: µg/L HighLimit 120 120 120 120 120 8021B: Volat Units: µg/L	iles %RPD	RPDLimit	Qual
Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bron Sample ID Client ID: Prep Date: Analyte	100NG BTEX LCS LCSW nofluorobenzene 5ML-RB PBW	Samp Batc Analysis I 21 19 19 56 20 Samp Batc Analysis I Result	Type: LC h ID: R2 Date: 4/ PQL 1.0 1.0 1.0 2.0 Type: ME h ID: R2 Date: 4/ PQL	S 5329 6/2015 SPK value 20.00 20.00 20.00 60.00 20.00 3LK 5329 6/2015 SPK value	Tes SPK Ref Val 0 0 0 0 0 Tes F SPK Ref Val	tCode: El RunNo: 2 SeqNo: 7 %REC 104 95.8 92.7 93.0 102 tCode: El RunNo: 2 SeqNo: 7 %REC	PA Method 5329 49428 LowLimit 80 80 80 80 80 80 80 80 80 80 80 80 80	8021B: Volat Units: μg/L HighLimit 120 120 120 120 120 8021B: Volat Units: μg/L HighLimit	iles %RPD iles %RPD	RPDLimit	Qual
Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bron Sample ID Client ID: Prep Date: Analyte Benzene	100NG BTEX LCS LCSW nofluorobenzene 5ML-RB PBW	Samp Batc Analysis I Result 19 19 56 20 Samp Batc Analysis I Result ND	Type: LC h ID: R2 Date: 4/ PQL 1.0 1.0 1.0 2.0 Type: ME h ID: R2 Date: 4/ PQL 1.0	S 5329 6/2015 SPK value 20.00 20.00 20.00 20.00 3LK 55329 56/2015 SPK value	Tes SPK Ref Val 0 0 0 0 Tes SPK Ref Val	tCode: El RunNo: 2 SeqNo: 7 %REC 104 95.8 92.7 93.0 102 stCode: El RunNo: 2 SeqNo: 7 %REC	PA Method 5329 49428 LowLimit 80 80 80 80 80 80 80 80 80 80 80 80 80	8021B: Volat Units: µg/L HighLimit 120 120 120 120 120 8021B: Volat Units: µg/L HighLimit	iles %RPD iles %RPD	RPDLimit	Qual
Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bron Client ID: Prep Date: Analyte Benzene Toluene	100NG BTEX LCS LCSW nofluorobenzene 5ML-RB PBW	Samp Batc Analysis I Result 21 19 19 56 20 Samp Batc Analysis I Result ND ND	Type: LC h ID: R2 Date: 4/ PQL 1.0 1.0 1.0 2.0 Type: ME h ID: R2 Date: 4/ PQL 1.0 1.0 1.0	S 5329 6/2015 SPK value 20.00 20.00 20.00 20.00 3LK 55329 6/2015 SPK value	Tes SPK Ref Val 0 0 0 0 0 Tes SPK Ref Val	tCode: El RunNo: 2 SeqNo: 7 %REC 104 95.8 92.7 93.0 102 stCode: El RunNo: 2 SeqNo: 7 %REC	PA Method 5329 49428 LowLimit 80 80 80 80 80 80 80 80 80 80 80 80 80	8021B: Volat Units: µg/L HighLimit 120 120 120 120 120 8021B: Volat Units: µg/L HighLimit	iles %RPD iles %RPD	RPDLimit	Qual
Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bron Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene	100NG BTEX LCS LCSW nofluorobenzene 5ML-RB PBW	Samp Batc Analysis I Result 21 19 19 56 20 Samp Batc Analysis I Result ND ND ND	Type: LC h ID: R2 Date: 4/ PQL 1.0 1.0 1.0 2.0 Type: ME h ID: R2 Date: 4/ PQL 1.0 1.0 1.0 1.0	S 5329 6/2015 SPK value 20.00 20.00 20.00 20.00 3LK 5329 6/2015 SPK value	Tes F SPK Ref Val 0 0 0 0 Tes F SPK Ref Val	tCode: El RunNo: 2 SeqNo: 7 %REC 104 95.8 92.7 93.0 102 stCode: El RunNo: 2 SeqNo: 7 %REC	PA Method 5329 49428 LowLimit 80 80 80 80 80 80 80 80 80 9PA Method 5329 49439 LowLimit	8021B: Volat Units: µg/L HighLimit 120 120 120 120 8021B: Volat Units: µg/L HighLimit	iles %RPD iles %RPD	RPDLimit	Qual
Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bron Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	100NG BTEX LCS LCSW nofluorobenzene 5ML-RB PBW	Samp Batc Analysis I Result 21 19 19 56 20 Samp Batc Analysis I Result ND ND ND ND	Type: LC h ID: R2 Date: 4/ PQL 1.0 1.0 2.0 Type: ME h ID: R2 Date: 4/ PQL 1.0 1.0 1.0 1.0 2.0	S 5329 6/2015 SPK value 20.00 20.00 20.00 20.00 20.00 3LK 25329 56/2015 SPK value	Tes SPK Ref Val 0 0 0 0 Tes SPK Ref Val	tCode: El RunNo: 2 SeqNo: 7 %REC 104 95.8 92.7 93.0 102 stCode: El RunNo: 2 SeqNo: 7 %REC	PA Method 5329 49428 LowLimit 80 80 80 80 80 PA Method 5329 49439 LowLimit	8021B: Volat Units: μg/L HighLimit 120 120 120 120 120 8021B: Volat Units: μg/L HighLimit	iles %RPD iles %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

Page 7 of 7

1504075 07-Apr-15

WO#:



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

# Sample Log-In Check List

Client Name: Animas Environmental	Work Order Number	1504075		RcptNo: 1
Received by/date: AT	01102/15			
Logged By: Lindsay Mangin	4/2/2015 7:00:00 AM		Hugo	
Completed By. Lindsay Mangin	4/2/2015 8:18:01 AM		Andytheas	
Reviewed By:	0412115		000	
Chain of Custody	01/00/15			
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 sample	es?	Yes 🖌	No 🗌	NA
5. Were all samples received at a temperate	ure of >0° C to 6.0°C	Yes 🗹	No	NA
6. Sample(s) in proper container(s)?		Yes 🖌	No	
7. Sufficient sample volume for indicated tes	st(s)?	Yes 🖌	No	
8. Are samples (except VOA and ONG) proj	perly 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 bro	oken?	Yes	No 🖌	# of orongo and
				bottles checked
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🖌	No	for pH: (<2 or >12 unless no
13 Arc matrices correctly identified on Chain	of Custody?	Yes 🗸	No 🗌	Adjusted?
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	Checked by:
Special Handling (IT applicable)	th this order?	Vac 🗌	No 🗌	NA V
TO, was client notified or an discrepancies wi		169 [		
Person Notined	Date	chiait []	Phone Eav	In Dereon
Regarding:	Vid.	CMan	Flolie   Fax	
Client Instructions:				
17. Additional remarks				
18 Cooler Information				
Cooler No Temp C Condition	Seal Intact   Seal No	Seal Date	Signed By	
1 1.0 Good	Yes			

C	hain	-of-Cu	stody Record	Turn-Around	Time:											20					
Client:	munas	Environm	neutral Services	Standard	C Rush	L					N		Y	STS	5 L		BO	RA	TC		Y
				Project Name	:		1 1					v hal	lenv	iron	ment		200				-
Mailing	Address	:604 W	Pinen	Cop SJ	78-9#	79		49	01 H	awki	ns N	VE -	Alb	uqu	erqu	e, N	M 87	109			
Fan	ninthe	NM	87401	Project #:			1	Te	el. 50	5-34	5-39	975	F	Fax	505-	345	410	7			
Phone	#: 51	5-56	4-228/	1								A	naly	ysis	Req	uest	t				
email o	r Fax#:			Project Mana	ger:		-	(ylu	Ô					(1)						T	
	Package: dard		Level 4 (Full Validation)	E.Sk	ylis		8021	Gas or	O / MF			(SMI		PO4,SC	PCB's						
Accredi	itation	a antonana amang	, , , , , , , , , , , , , , , , , , ,	Sampler: ES	5/00	9	E	H	DR	_	=	SO		02,	082						
D NEL	AP	□ Othe	r	On Ice:	Yes	D No	TE	II +	02	18.1	8	827		03,N	\$/8		R				or N
	(Type)			Sample Tem	perature:	les" e	4	BE	(GI	bd 4	202	0 or	etals	N'N	ides	(A)	8				Z
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	EX + MH	EX + MT	H 8015B	H (Metho	B (Metho	H's (831	RA 8 Me	ons (F,C	31 Pestic	30B (VO	70 (Semi				Bubbles
						1504075	BT	BT	TP	TP	B	PA	RC	Ani	808	826	827				Air
3115	11:50	Agnens	HP-2	3-YOAL	HCL	-001	X														
3/15	12:32	Agnens	HP-3	3-40ml	HCR	-002	X														
315	13:00	Agnears	HP-4	3-40-1	HEL	-003	X														
3115	1430	Aqueos	HP-5	3-40mL	HCR	-004	X														
1/15	1450	Aqueor	HP-6	3-40-6	HU	-005	X														
1/15	1435	Aques	HP-7	3-40aL	HKI	-006	X														
	Time:	Relinquishe	ESY L	Received by:	likete	Date Time	Ren	narks	P	511	-to	28	en	00	9	h7 prote	lip: ed b	5 :D	ale G	alle	gus
Jate:	1825	AM	the Walter	received by	n X	04/02/15 0700	US	Ee:	BR	ADL	RY							-	0		

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.



April 08, 2015

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

RE: CoP SJ 28-6 #79

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

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 <u>www.hallenvironmental.com</u> 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 qualifers 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,

andy

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

1504168-001

**Project:** CoP SJ 28-6 #79

Lab ID:

# Client Sample ID: SC-1 Collection Date: 4/2/2015 2:35:00 PM Matrix: SOIL Received Date: 4/4/2015 8:00:00 AM

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE C	RGANICS				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 RANG	iΕ				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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis of	exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 1 of 7
	Ο	RSD is greater than RSDlimit	Р	Sample pH Not In Range	ruge ror /
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

			and the second				
CLIENT: Animas Environmental Project: CoP SJ 28-6 #79			Clie	ent Sam	ple ID: SC 1 Date: 4/2	C-2 2/2015 2:32:00 PM	
Lab ID: 1504168-002	Matrix:	SOIL	ł	Received	Date: 4/4	4/2015 8:00:00 AM	
Analyses	Result	RL	Qual U	nits	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS					Analyst	JME
Diesel Range Organics (DRO)	ND	10	r	ng/Kg	1	4/7/2015 11:06:56 AM	18527
Motor Oil Range Organics (MRO)	ND	50	r	ng/Kg	1	4/7/2015 11:06:56 AM	18527
Surr: DNOP	89.2	63.5-128	0	%REC	1	4/7/2015 11:06:56 AM	18527
EPA METHOD 8015D: GASOLINE RAN	GE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	3.9	r	ng/Kg	1	4/7/2015 4:22:54 PM	18532
Surr: BFB	87.4	80-120	0	%REC	1	4/7/2015 4:22:54 PM	18532
EPA METHOD 8021B: VOLATILES						Analyst	RAA
Benzene	ND	0.039	ſ	ng/Kg	1	4/7/2015 4:22:54 PM	18532
Toluene	ND	0.039	r	ng/Kg	1	4/7/2015 4:22:54 PM	18532
Ethylbenzene	ND	0.039	r	ng/Kg	1	4/7/2015 4:22:54 PM	18532
Xylenes, Total	ND	0.077	r	ng/Kg	1	4/7/2015 4:22:54 PM	18532
Surr: 4-Bromofluorobenzene	97.3	80-120	0	%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.	В	Analyte detected in the associated Method	i Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 2 of 7
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	1 450 2 01 7
	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

Analytical Report Lab Order 1504168

Date Reported: 4/8/2015

# Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Animas Environmental			Client Sam	ple ID: SC	2-3				
Project:	CoP SJ 28-6 #79	Collection Date: 4/2/2015 5:15:00 PM								
Lab ID:	1504168-003	Matrix:	SOIL	Received	d Date: 4/4	/2015 8:00:00 AM				
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA MET	HOD 8015D: DIESEL RANG	E ORGANICS				Analyst	JME			
Diesel Ra	ange Organics (DRO)	ND	10	mg/Kg	1	4/7/2015 11:34:02 AM	18527			
Motor Oil	I Range Organics (MRO)	ND	50	mg/Kg	1	4/7/2015 11:34:02 AM	18527			
Surr: [	ONOP	89.6	63.5-128	%REC	1	4/7/2015 11:34:02 AM	18527			
EPA MET	HOD 8015D: GASOLINE RA	NGE				Analyst	RAA			
Gasoline	Range Organics (GRO)	ND	3.7	mg/Kg	1	4/7/2015 4:51:37 PM	18532			
Surr: E	BFB	84.6	80-120	%REC	1	4/7/2015 4:51:37 PM	18532			
EPA MET	HOD 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			
Ethylben	zene	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	4-Bromofluorobenzene	94.4	80-120	%REC	1	4/7/2015 4:51:37 PM	18532			

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Bland	k		
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded			
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Par	ge 3 of 7		
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	50 5 01 7		
	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

Batch

# Hall Environmental Analysis Laboratory, Inc.

# CLIENT: Animas EnvironmentalClient Sample ID: SC-4Project:CoP SJ 28-6 #79Collection Date: 4/2/2015 4:08:00 PMLab ID:1504168-004Matrix: SOILReceived Date: 4/4/2015 8:00:00 AMAnalysesResultRLQualUnitsDF Date Analyzed

EPA METHOD 8015D: DIESEL RANGE O	RGANICS				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 RANG	E				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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	sexceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 4 of 7
	Ο	RSD is greater than RSDlimit	Р	Sample pH Not In Range	1 4 50 4 61 7
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Client:Animas EnvironmentalProject:CoP SJ 28-6 #79

Sample ID MB-18527	Sample ID MB-18527 SampType: MBLK TestCode: EPA Method 8015D: Diesel Range Organics									
Client ID: PBS	Batch	ID: 18	527	F	RunNo: 2	5330				
Prep Date: 4/6/2015	Analysis D	ate: 4/	7/2015	S	SeqNo: 7	49672	Units: mg/K	g		
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	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Dies	el Range C	Drganics	
Client ID: LCSS	Batch	ID: 18	527	F	RunNo: 2	5330				
Prep Date: 4/6/2015	Analysis D	ate: 4/	7/2015	S	SeqNo: 7	49674	Units: mg/M	g		
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	47		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

Page 5 of 7

1504168 08-Apr-15

WO#:

WO#: 1504168

08-Apr-15

Client:	Animas	Environme	ntal								
Project:	CoP SJ 2	28-6 #79									
Sample ID LC	CS-18532	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LO	CSS	Batch	n ID: 18	532	R	unNo: 2	5343				
Prep Date: 4	/6/2015	Analysis D	ate: 4/	7/2015	S	SeqNo: 7	50025	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range O	organics (GRO)	23	5.0	25.00	0	93.1	64	130			
Surr: BFB		910		1000		91.0	80	120			
Sample ID M	B-18532	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: PI	BS	Batch	n ID: 18	532	F	RunNo: 2	5343				
Prep Date: 4	/6/2015	Analysis D	ate: 4/	7/2015	S	SeqNo: 7	50026	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range C	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

Page 6 of 7

Client:Animas EnvironmentalProject:CoP SJ 28-6 #79

Sample ID LCS-18532	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batch	n ID: 18	532	F	RunNo: 2	5343				
Prep Date: 4/6/2015	Analysis D	ate: 4/	7/2015	5	SeqNo: 7	50068	Units: mg/k	ζg		
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	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batcl	n ID: 18	532	F	RunNo: 2	5343				
Prep Date: 4/6/2015	Analysis E	Date: 4/	7/2015	S	SeqNo: 7	50069	Units: mg/k	(g		
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: A-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

WO#: 1504168

08-Apr-15

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albu TEL: 505-345-3975 Website: www.ha	Analysis Laborator 4901 Hawkins N uquerque, NM 8710 FAX: 505-345-410 Illenvironmental.co	ry //E 09 <b>Sam</b>   07	ple Log-In Check List
Client Name: Animas Environmental	Work Order Number:	1504168		RcptNo: 1
Received by/date: AT 64/64	15			
Logged By: Anne Thorne	4/4/2015 8:00:00 AM		ame Im	-
Completed By: Anne Thorne	4/6/2015		Anna Mar	-
Reviewed By:	04/06/15		Cine 21	
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				
A when an allowed and the analytic	-2	Vac 🕅	No 🗌	
4. Was an attempt made to cool the sample	57	res 🖭		
5. Were all samples received at a temperatu	re of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌
6. Sample(s) in proper container(s)?		Yes 🗹	No 🗆	
7. Sufficient sample volume for indicated tes	t(s)?	Yes 🗹	No 🗆	
8, Are samples (except VOA and ONG) prop	erly 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 bro	oken?	Yes	No 🗹	
				# of preserved bottles checked
12. Does paperwork match bottle labels?		Yes 🗹	No 🗌	for pH:
(Note discrepancies on chain of custody)				(<2 or >12 unless noted) Adjusted?
13. Are matrices correctly identified on Chain	of Custody?	Yes 🗹		
14. Is it clear what analyses were requested?		Yes M		Checked by:
15. Were all holding times able to be met?		Yes 🗹	No	
(into, nony obsorber for somorization.)				
Special Handling (if applicable)				

16. V	las client notified of all d	iscrepand	ies with	this orde	er?		Yes [		NA 🗹	
	Person Notified:					Date		 		
	By Whom:				1	Via:	🗌 eMail	Phone Fax	In Perso	n
	Regarding:		· · · 616-			a sufficient of		 		а
	<b>Client Instructions:</b>							 		

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Ch	ain-o	f-Cus	tody Record	Turn-Around T	Time:					-						-				_	_
Client: Ani	mas Envi	ronmenta	Services	X Standard	C Rus		' _				A		E		11			ME		A	
				Project Name:																	
Mailing Ad	dress: 60	4 W Pino	n St	CoP S 1 28-6 #79					4001 Herdine NE Albumorene NM 07100												
	East	mington	NIM 97404	Project #:	0020	0 110	4901 Hawkins NE - Albuquerque, NM 87109														
	Fai	505-564-2	2281					Te	H. 50	10-34	0-01	975 A	nal	vsis	Rea	ues	-410 t				
Email or Fax#: eskyles@animasenvironmental.com				Project Manag	er:		6 9														
QA/QC Package:					Emilee Skyle	es		A 12	M 25			0.00									
X Standar	ď		Level 4 (Full Validation)					EP	-SI			EPA 9	(175	0			l		0		
Accreditati	on:			Sampler:	D. Davis	HERTITLE STORES STREET AND DEPOSITION	œ	- eou	SOL			eta - E	RSI	300	0.7	B			F		
	(ne)	□ Other		(0)) (Cer	IZ Yes	<u>D NO 700000000000000000000000000000000000</u>	200	ucta	g	S		ha/Be	- sa	EPA	A 20	232		15B	4500		
L LDD (1	ype)			octions			PA	ondi	254	200		- Alp	Gas	-suc	s-EF	SM	21B	A 80	SM		
Date	Time	Matrix	Sample Request ID	Container	Preservative	HEALING		fic C	SM	e A	_	ctivity	ved	Anic	ation	· itty	- 80	EP	onia		
0010			oumpio rioquoor io	Type and #	Туре		rsen	peci	-ss	pilin	alinity	Idioa	ISSO	ajor	ajor C	kalir	E	H.	ŭ		
410145	4405	0.7	00.4	Meot Ket			4	S	Ä	0	ő	R	0	M	W	A	0	F	A	-	-
4/2/15	1435	Soli	50-1	Vanous	Various	-201		_		_	_		_				X	X			
4/2/15	1432	Soil	SC-2	Various	Various	-cu2		_		_							X	X			_
4/2/15	1715	Soil	SC-3	Various	Various	763											x	x			
4/2/15	1608	Soil	SC-4	Various	Various	-04											X	X			
2																					
Date:	Time:	Relinquishe	ed by:	Received by:		Date Time	Rem	arks	: Bill	to Co	onoc	xo Pł	hillips	5					CED.	WO	#
4/3/15	1708	D.	nDS-	harthe	11 polo	4/3/15,708	Supe	ervis	or: B	obby	Spe	am	an					0.	JER.	Are	a: 2
Date: Time: Relinquished by:		Received by:	1 To	Date Time	Ordered By: Dale Gallegos																
4/2/15	1797	1 JAN	stuliaeler	1 lite	K	0900															
10/15	1.01		ter tit tit # #. Arramontal annerba arch	another stad by others as	-needlad laborated	ins This assure as astian of	this no.	-ihili	he Am	e onthe o		nted d	lata wi	I he c	loarly i	atetor	d on th	-	vtical	enort	-



April 10, 2015

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

RE: CoP SJ 28-6 #79

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

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 <u>www.hallenvironmental.com</u> 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 qualifers 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

# Analytical Report Lab Order 1504213 Date Reported: 4/10/2015

4/9/2015 7:16:38 PM

4/8/2015 12:15:22 PM

18546

18551

18551

18551

18551

18551

18551

18551

Analyst: NSB

Analyst: NSB

# Hall Environmental Analysis Laboratory, Inc.

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

**EPA METHOD 8015D: GASOLINE RANGE** 

Gasoline Range Organics (GRO)

**EPA METHOD 8021B: VOLATILES** 

Surr: 4-Bromofluorobenzene

#### **CLIENT:** Animas Environmental Client Sample ID: HP-2 @ 3.5' CoP SJ 28-6 #79 **Project:** Collection Date: 3/31/2015 11:27:00 AM Lab ID: 1504213-001 Received Date: 4/7/2015 6:40:00 AM Matrix: SOIL **RL** Qual Units Analyses Result **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

63.5-128

4.8

80-120

0.048

0.048

0.048

0.095

80-120

%REC

mg/Kg

%REC

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%REC

1

1

1

1

1

1

1

1

97.5

ND

83.9

ND

ND

ND

ND

91.8

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	Blank
	E	Value above quantitation range	Н	Holding times for preparation or analysis e	xceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 1 of 9
	Ο	RSD is greater than RSDlimit	Р	Sample pH Not In Range	rage rory
	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-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

Result	RL Qu	al Units	DF	Date Analyzed	Batch
RGANICS				Analyst	BCN
ND	9.5	mg/Kg	1	4/9/2015 8:37:20 PM	18546
ND	48	mg/Kg	1	4/9/2015 8:37:20 PM	18546
97.6	63.5-128	%REC	1	4/9/2015 8:37:20 PM	18546
E				Analyst	NSB
ND	4.9	mg/Kg	1	4/8/2015 1:41:34 PM	18551
84.2	80-120	%REC	1	4/8/2015 1:41:34 PM	18551
				Analyst	<b>NSB</b>
ND	0.049	mg/Kg	1	4/8/2015 1:41:34 PM	18551
ND	0.049	mg/Kg	1	4/8/2015 1:41:34 PM	18551
ND	0.049	mg/Kg	1	4/8/2015 1:41:34 PM	18551
ND	0.097	mg/Kg	1	4/8/2015 1:41:34 PM	18551
94.1	80-120	%REC	1	4/8/2015 1:41:34 PM	18551
	Result ND ND 97.6 E ND 84.2 ND 84.2 ND ND ND ND ND ND ND 94.1	Result         RL Question           ND         9.5           ND         48           97.6         63.5-128           E         ND           ND         4.9           84.2         80-120           ND         0.049           ND         0.097           94.1         80-120	Result         RL         Qual         Units           ND         9.5         mg/Kg           ND         48         mg/Kg           97.6         63.5-128         %REC           E         ND         4.9         mg/Kg           ND         4.9         mg/Kg           84.2         80-120         %REC           ND         0.049         mg/Kg           ND         0.097         mg/Kg           94.1         80-120         %REC	Result         RL         Qual         Units         DF           PRGANICS         ND         9.5         mg/Kg         1           ND         48         mg/Kg         1           97.6         63.5-128         %REC         1           E         ND         4.9         mg/Kg         1           ND         4.9         mg/Kg         1           ND         4.9         mg/Kg         1           ND         0.049         mg/Kg         1           ND         0.097         mg/Kg         1           ND         0.097         mg/Kg         1           94.1         80-120         %REC         1	Result         RL         Qual         Units         DF         Date Analyzed           NRGANICS         Analyst           ND         9.5         mg/Kg         1         4/9/2015 8:37:20 PM           ND         48         mg/Kg         1         4/9/2015 8:37:20 PM           97.6         63.5-128         %REC         1         4/9/2015 8:37:20 PM           97.6         63.5-128         %REC         1         4/9/2015 8:37:20 PM           E         Analyst         Analyst           ND         4.9         mg/Kg         1         4/8/2015 1:41:34 PM           84.2         80-120         %REC         1         4/8/2015 1:41:34 PM           ND         0.049         mg/Kg         1         4/8/2015 1:41:34 PM           ND

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank		
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	s exceeded		
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 2 of 9		
	Ο	RSD is greater than RSDlimit	Р	Sample pH Not In Range	1 age 2 01 9		
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit			
	S	Spike Recovery outside accepted recovery limits					
ľ		• •				1	-
---	----------	----------	------	--------------------------------------	-------------------------------------	--	-------
CLIENT: Animas Environmental Project: CoP SJ 28-6 #79 Lab ID: 1504213-003	Matrix:	SOIL	CI	lient Samp Collection Received	le ID: HF Date: 3/3 Date: 4/7	P-4 @ 3' 81/2015 12:45:00 PM 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 RAN	GE					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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	s exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 3 of 9
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	1 450 5 01 7
	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

#### Analytical Report Lab Order 1504213

Lau Older 1504215

#### Date Reported: 4/10/2015

Batch

## 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

EPA METHOD 8015D: DIESEL RANGE O	RGANICS				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 RANG	E				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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	d Blank
	E	Value above quantitation range	Н	Holding times for preparation or analysis	exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 4 of 9
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	1 450 + 01 >
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

	v		.,				and reportent wrong o	
CLIENT: Project:	Animas Environmental CoP SJ 28-6 #79			C	lient Samp Collection	le ID: HP Date: 3/3	P-6 @ 5' 1/2015 2:30:00 PM	
Lab ID:	1504213-005	Matrix: S	SOIL		Received	Date: 4/7	/2015 6:40:00 AM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	HOD 8015D: DIESEL RANG	E ORGANICS					Analyst	BCN
Diesel Ra	ange 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: D	DNOP	95.5	63.5-128		%REC	1	4/9/2015 9:57:32 PM	18546
EPA MET	HOD 8015D: GASOLINE RA	NGE					Analyst	NSB
Gasoline	Range Organics (GRO)	ND	4.8		mg/Kg	1	4/8/2015 4:05:11 PM	18551
Surr: E	BFB	84.4	80-120		%REC	1	4/8/2015 4:05:11 PM	18551
EPA MET	HOD 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
Ethylben	zene	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	I-Bromofluorobenzene	93.7	80-120		%REC	1	4/8/2015 4:05:11 PM	18551

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	sexceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 5 of 9
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	1 450 5 01 5
	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

### Analytical Report Lab Order 1504213 Date Reported: 4/10/2015

4/8/2015 4:33:59 PM

4/8/2015 4:33:59 PM

1

1

18551

18551

# Hall Environmental Analysis Laboratory, Inc.

Xylenes, Total

Surr: 4-Bromofluorobenzene

CLIENT:	Animas Environmental			Client Sam	ple ID: HI	P-7 @ 3'	
<b>Project:</b>	CoP SJ 28-6 #79			Collection	n Date: 3/3	31/2015 3:15:00 PM	
Lab ID:	1504213-006	Matrix:	SOIL	Receive	d Date: 4/	7/2015 6:40:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 8015D: DIESEL RANG	E ORGANICS				Analyst	BCN
Diesel Ra	ange 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: D	NOP	94.3	63.5-128	%REC	1	4/9/2015 10:24:19 PM	18546
EPA MET	HOD 8015D: GASOLINE RA	NGE				Analyst	NSB
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	4/8/2015 4:33:59 PM	18551
Surr: E	BFB	84.8	80-120	%REC	1	4/8/2015 4:33:59 PM	18551
EPA MET	HOD 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
Ethylben	zene	ND	0.048	mg/Kg	1	4/8/2015 4:33:59 PM	18551

0.095

80-120

mg/Kg

%REC

ND

93.9

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method I	Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis ex	ceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 6 of 9
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	ruge o or y
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			
	O R S	RSD is greater than RSDlimit RPD outside accepted recovery limits Spike Recovery outside accepted recovery limits	P RL	Sample pH Not In Range Reporting Detection Limit	Page 6 of 9

Client:Animas EnvironmentalProject:CoP SJ 28-6 #79

Sample ID MB-18546	SampType: N	IBLK	Test	tCode: EP	A Method	8015D: Diese	el Range C	Organics	
Client ID: PBS	Batch ID: 1	8546	R	RunNo: 25	386				
Prep Date: 4/7/2015	Analysis Date:	4/9/2015	S	SeqNo: 75	2140	Units: mg/K	g		
Analyte	Result PQL	. SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 1	0							
Motor Oil Range Organics (MRO)	ND 5	0							
Surr: DNOP	10	10.00		100	63.5	128			
Sample ID LCS-18546	SampType: L	CS	Tes	tCode: EP	A Method	8015D: Diese	el Range C	Organics	
Client ID: LCSS	Batch ID: 1	8546	F	RunNo: <b>25</b>	386				
Prep Date: 4/7/2015	Analysis Date:	4/9/2015	S	SeqNo: 75	2142	Units: mg/K	٢g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	66 1	0 50.00	0	132	67.8	130			S
Surr: DNOP	6.6	5.000		131	63.5	128			S
Sample ID 1504213-001AMS	SampType:	VIS	Tes	tCode: EP	A Method	8015D: Dies	el Range (	Organics	
Client ID: HP-2 @ 3.5'	Batch ID:	18546	F	RunNo: 25	386				
Prep Date: 4/7/2015	Analysis Date:	4/9/2015	5	SeqNo: 75	52145	Units: mg/M	٢g		
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 1504213-001AMS	D SampType: I	VISD	Tes	tCode: EP	A Method	8015D: Dies	el Range (	Organics	
Client ID: HP-2 @ 3.5'	Batch ID:	18546	F	RunNo: 25	5386				
Prep Date: 4/7/2015	Analysis Date:	4/9/2015	5	SeqNo: 75	52146	Units: mg/h	٢g		
Analyte	Result PQI	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47 1	0 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

Page 7 of 9

1504213 10-Apr-15

WO#:

WO#: 1504213

10-Apr-15

Client:	Animas E	Invironme	ntal								
Project:	CoP SJ 2	8-6 #79									
Sample ID	MB-18551	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	e	
Client ID:	PBS	Batch	n ID: 18	551	, F	RunNo: 2	5375				
Prep Date:	4/7/2015	Analysis E	)ate: 4/	8/2015	S	SeqNo: 7	51117	Units: mg/I	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	ND	5.0								
Surr: BFB		840		1000		84.0	80	120			
Sample ID	LCS-18551	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gas	oline Rang	е	
Client ID:	LCSS	Batch	n ID: 18	551	F	RunNo: 2	5375				
Prep Date:	4/7/2015	Analysis D	)ate: 4/	8/2015	S	SeqNo: 7	51118	Units: mg/l	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	24	5.0	25.00	0	97.7	64	130			
Surr: BFB		900		1000		90.4	80	120			
Sample ID	1504213-001AMS	SampT	уре: М	3	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	e	
Client ID:	HP-2 @ 3.5'	Batch	n ID: 18	551	F	RunNo: 2	5375				
Prep Date:	4/7/2015	Analysis D	)ate: 4/	8/2015	S	SeqNo: 7	51123	Units: mg/l	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	je Organics (GRO)	28	4.7	23.74	0	118	47.9	144			
Surr: BFB		890		949.7		93.5	80	120			
Sample ID	1504213-001AMS	Samp1	ype: MS	SD	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	e	
Client ID:	HP-2 @ 3.5'	Batch	n ID: 18	551	F	RunNo: 2	5375				
Prep Date:	4/7/2015	Analysis D	)ate: 4/	8/2015	5	SeqNo: 7	51124	Units: mg/l	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e 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

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Client: Animas Environmental

**Project:** CoP SJ 28-6 #79

Sample ID MB-18551	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batch	h ID: 18	551	F	RunNo: 2	5375				
Prep Date: 4/7/2015	Analysis D	Date: 4/	8/2015	S	SeqNo: 7	50899	Units: mg/k	(g		
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								
Xvlenes Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1,000		94.8	80	120			
	0.00				0.110					
Sample ID LCS-18551	SampT	Type: LC	S	Tes	stCode: EF	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batcl	h ID: 18	551	F	RunNo: 2	5375				
Prep Date: 4/7/2015	Analysis E	Date: 4/	8/2015	5	SeqNo: 7	50900	Units: mg/k	٢g		
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			
Guil. 4 Diomondorobonizono										
Sample ID 1504213-002AMS	Samp	Гуре: МЗ	5	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Sample ID 1504213-002AMS Client ID: HP-3 @ 3'	Samp <sup>-1</sup> Batc	Гуре: <b>МS</b> h ID: <b>18</b>	551	Tes	stCode: El	PA Method 5375	8021B: Vola	tiles		
Sample ID         1504213-002AMS           Client ID:         HP-3 @ 3'           Prep Date:         4/7/2015	Samp Batc Analysis E	Гуре: <b>МS</b> h ID: <b>18</b> Date: <b>4</b> /	5 551 8/2015	Tes	atCode: El RunNo: 2 SeqNo: 7	PA Method 5375 50903	8021B: Vola Units: mg/ł	tiles (g		
Sample ID 1504213-002AMS Client ID: HP-3 @ 3' Prep Date: 4/7/2015 Analyte	SampT Batc Analysis E Result	Fype: <b>MS</b> h ID: <b>18</b> Date: <b>4</b> / PQL	551 8/2015 SPK value	Tes F SPK Ref Val	stCode: El RunNo: 2 SeqNo: 7 %REC	PA Method 5375 50903 LowLimit	8021B: Vola Units: mg/ł HighLimit	tiles (g %RPD	RPDLimit	Qual
Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3 @ 3'</b> Prep Date: <b>4/7/2015</b> Analyte Benzene	Samp Batc Analysis E Result 1.1	Fype: <b>MS</b> h ID: <b>18</b> Date: <b>4</b> / PQL 0.049	551 8/2015 SPK value 0.9747	Tes F SPK Ref Val 0	stCode: El RunNo: 2 SeqNo: 7 %REC 108	PA Method 5375 50903 LowLimit 69.2	8021B: Vola Units: mg// HighLimit 126	tiles (g %RPD	RPDLimit	Qual
Sample ID 1504213-002AMS Client ID: HP-3 @ 3' Prep Date: 4/7/2015 Analyte Benzene Toluene	Samp Batcl Analysis E Result 1.1 1.0	Fype: MS h ID: 18 Date: 4/ PQL 0.049 0.049	551 8/2015 8PK value 0.9747 0.9747	Tes F SPK Ref Val 0 0.009845	stCode: EF RunNo: 2: SeqNo: 7: %REC 108 105	PA Method 5375 50903 LowLimit 69.2 65.6	8021B: Vola Units: mg/k HighLimit 126 128	tiles (g %RPD	RPDLimit	Qual
Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3 @ 3'</b> Prep Date: <b>4/7/2015</b> Analyte Benzene Toluene Ethylbenzene	Samp <sup>T</sup> Batcl Analysis E Result 1.1 1.0 1.1	Fype: MS h ID: 18 Date: 4/ PQL 0.049 0.049 0.049	551 8/2015 8PK value 0.9747 0.9747 0.9747	Tes F SPK Ref Val 0 0.009845 0	stCode: Ef RunNo: 2: SeqNo: 7: %REC 108 105 109	PA Method 5375 50903 LowLimit 69.2 65.6 65.5	8021B: Vola Units: mg/k HighLimit 126 128 138	tiles (g %RPD	RPDLimit	Qual
Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3 @ 3'</b> Prep Date: <b>4/7/2015</b> Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Samp Batcl Analysis E Result 1.1 1.0 1.1 3.2	Fype: MS h ID: 18 Date: 4/ PQL 0.049 0.049 0.049 0.097	551 8/2015 8/2015 0.9747 0.9747 0.9747 0.9747 2.924	Tes F SPK Ref Val 0 0.009845 0 0 0	stCode: Ef RunNo: 2: SeqNo: 7: %REC 108 105 109 108	PA Method 5375 50903 LowLimit 69.2 65.6 65.5 63	8021B: Vola Units: mg/k HighLimit 126 128 138 139	tiles (g %RPD	RPDLimit	Qual
Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3 @ 3'</b> Prep Date: <b>4/7/2015</b> Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	Samp <sup>T</sup> Batc Analysis E Result 1.1 1.0 1.1 3.2 0.97	Type: MS h ID: 18: Date: 4/ PQL 0.049 0.049 0.049 0.049 0.097	5551 8/2015 8/2015 0.9747 0.9747 0.9747 2.924 0.9747	Tes F SPK Ref Val 0 0.009845 0 0	stCode: El RunNo: 2: SeqNo: 7: %REC 108 105 109 108 99.2	PA Method 5375 50903 LowLimit 69.2 65.6 65.5 63 80	8021B: Vola Units: mg/k HighLimit 126 128 138 139 120	tiles (g %RPD	RPDLimit	Qual
Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3 @ 3'</b> Prep Date: <b>4/7/2015</b> Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	Samp Batcl Analysis I Result 1.1 1.0 1.1 3.2 0.97 D Samp	Type: <b>MS</b> h ID: <b>18</b> Date: <b>4</b> / PQL 0.049 0.049 0.049 0.049 0.097	5551 5551 8/2015 SPK value 0.9747 0.9747 0.9747 2.924 0.9747 3D	Tes F SPK Ref Val 0 0.009845 0 0 0	stCode: EF RunNo: 2: SeqNo: 7: %REC 108 105 109 108 99.2 stCode: EF	PA Method 5375 50903 LowLimit 69.2 65.6 65.5 63 80 PA Method	8021B: Vola Units: mg/k HighLimit 126 128 138 139 120 8021B: Vola	tiles (g %RPD	RPDLimit	Qual
Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3 @ 3'</b> Prep Date: <b>4/7/2015</b> Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3 @ 3'</b>	Samp Batc Analysis E Result 1.1 1.0 1.1 3.2 0.97 D Samp Batc	Type: <b>MS</b> h ID: <b>18</b> : Date: <b>4</b> / PQL 0.049 0.049 0.049 0.097 Type: <b>MS</b> h ID: <b>18</b>	5551 8/2015 8/2015 0.9747 0.9747 0.9747 2.924 0.9747 551	Tes SPK Ref Val 0 0.009845 0 0 0	stCode: EI RunNo: 2: SeqNo: 7: %REC 108 105 109 108 99.2 stCode: EI RunNo: 2	PA Method 5375 50903 LowLimit 69.2 65.6 65.5 63 80 PA Method 5375	8021B: Vola Units: mg/k HighLimit 126 128 138 139 120 8021B: Vola	tiles (g %RPD	RPDLimit	Qual
Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3 @ 3'</b> Prep Date: <b>4/7/2015</b> Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3 @ 3'</b> Prep Date: <b>4/7/2015</b>	Samp <sup>T</sup> Batcl Analysis I Result 1.1 1.0 1.1 3.2 0.97 D Samp <sup>T</sup> Batc Analysis I	Type: <b>MS</b> h ID: <b>18</b> Date: <b>4</b> / PQL 0.049 0.049 0.049 0.097 Type: <b>MS</b> h ID: <b>18</b> Date: <b>4</b> /	5551 8/2015 SPK value 0.9747 0.9747 0.9747 2.924 0.9747 5551 8/2015	Tes SPK Ref Val 0 0.009845 0 0 0	stCode: El RunNo: 2: SeqNo: 7: %REC 108 105 109 108 99.2 stCode: El RunNo: 2 SeqNo: 7	PA Method 5375 50903 LowLimit 69.2 65.6 65.5 63 80 PA Method 5375 50904	8021B: Vola Units: mg/k HighLimit 126 128 138 139 120 8021B: Vola Units: mg/k	tiles (g %RPD tiles	RPDLimit	Qual
Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3</b> @ 3' Prep Date: <b>4/7/2015</b> Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3</b> @ 3' Prep Date: <b>4/7/2015</b> Analyte	Samp Batc Analysis I Result 1.1 1.0 1.1 3.2 0.97 D Samp Batc Analysis I Result	Type: MS h ID: 18: Date: 4/ PQL 0.049 0.049 0.049 0.097 Type: MS h ID: 18: Date: 4/ PQL	5551 8/2015 8/2015 0.9747 0.9747 0.9747 2.924 0.9747 551 8/2015 SPK value	Tes SPK Ref Val 0 0.009845 0 0 Tes SPK Ref Val	stCode: EI RunNo: 2: SeqNo: 7: %REC 108 105 109 108 99.2 stCode: EI RunNo: 2 SeqNo: 7 %REC	PA Method 5375 50903 LowLimit 69.2 65.6 65.5 63 80 PA Method 5375 50904 LowLimit	8021B: Vola Units: mg/k HighLimit 126 128 138 139 120 8021B: Vola Units: mg/k HighLimit	tiles (g %RPD tiles (g %RPD	RPDLimit	Qual
Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3 @ 3'</b> Prep Date: <b>4/7/2015</b> Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3 @ 3'</b> Prep Date: <b>4/7/2015</b> Analyte Benzene	Samp Batc Analysis I Result 1.1 1.0 1.1 3.2 0.97 D Samp Batc Analysis I Result 1.1	Type: MS h ID: 18: Date: 4/ PQL 0.049 0.049 0.049 0.097 Type: MS h ID: 18: Date: 4/ PQL 0.049	551 8/2015 8/2015 SPK value 0.9747 0.9747 2.924 0.9747 551 8/2015 SPK value 0.9728	Tes SPK Ref Val 0 0.009845 0 0 Tes SPK Ref Val 0	stCode: EI RunNo: 2: SeqNo: 7: %REC 108 105 109 108 99.2 stCode: EI RunNo: 2 SeqNo: 7 %REC 117	PA Method 5375 50903 LowLimit 69.2 65.6 65.5 63 80 PA Method 5375 50904 LowLimit 69.2	8021B: Vola Units: mg/k HighLimit 126 128 138 139 120 8021B: Vola Units: mg/k HighLimit 126	tiles (g %RPD tiles (g %RPD 7.82	RPDLimit RPDLimit 18.5	Qual
Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3 @ 3'</b> Prep Date: <b>4/7/2015</b> Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3 @ 3'</b> Prep Date: <b>4/7/2015</b> Analyte Benzene Toluene	Samp Batc Analysis I Result 1.1 1.0 1.1 3.2 0.97 D Samp Batc Analysis I Result 1.1	Type: MS h ID: 18: Date: 4/ PQL 0.049 0.049 0.049 0.097 Type: MS h ID: 18: Date: 4/ PQL 0.049 0.049	5551 8/2015 SPK value 0.9747 0.9747 0.9747 2.924 0.9747 5D 551 8/2015 SPK value 0.9728 0.9728	Tes SPK Ref Val 0 0.009845 0 0 Tes SPK Ref Val 0 0.009845	stCode: EI RunNo: 2: SeqNo: 7: %REC 108 105 109 108 99.2 stCode: EI RunNo: 2 SeqNo: 7 %REC 117 116	PA Method 5375 50903 LowLimit 69.2 65.6 65.5 63 80 PA Method 5375 50904 LowLimit 69.2 65.6	8021B: Vola Units: mg/k HighLimit 126 128 138 139 120 8021B: Vola Units: mg/k HighLimit 126 128	tiles (g %RPD tiles (g %RPD 7.82 9.34	RPDLimit RPDLimit 18.5 20.6	Qual
Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3 @ 3'</b> Prep Date: <b>4/7/2015</b> Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3 @ 3'</b> Prep Date: <b>4/7/2015</b> Analyte Benzene Toluene Ethylbenzene	Samp <sup>T</sup> Batcl Analysis I Result 1.1 1.0 1.1 3.2 0.97 D Samp <sup>T</sup> Batc Analysis I Result 1.1 1.1 1.2	Type: MS h ID: 18: Date: 4/ PQL 0.049 0.049 0.049 0.097 Type: MS h ID: 18: Date: 4/ PQL 0.049 0.049 0.049	5551 8/2015 SPK value 0.9747 0.9747 2.924 0.9747 5551 8/2015 SPK value 0.9728 0.9728 0.9728	Tes SPK Ref Val 0 0.009845 0 0 0 Tes SPK Ref Val 0 0.009845 0	stCode: El RunNo: 2: SeqNo: 7: %REC 108 105 109 108 99.2 stCode: El RunNo: 2 SeqNo: 7 %REC 117 116 124	PA Method 5375 50903 LowLimit 69.2 65.6 65.5 63 80 PA Method 5375 50904 LowLimit 69.2 65.6 65.5	8021B: Vola Units: mg/k HighLimit 126 128 138 139 120 8021B: Vola Units: mg/k HighLimit 126 128 138	tiles (g %RPD tiles (g %RPD 7.82 9.34 12.9	RPDLimit RPDLimit 18.5 20.6 20.1	Qual
Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3 @ 3'</b> Prep Date: <b>4/7/2015</b> Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3 @ 3'</b> Prep Date: <b>4/7/2015</b> Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Samp <sup>T</sup> Batcl Analysis I Result 1.1 1.0 1.1 3.2 0.97 D Samp <sup>T</sup> Batc Analysis I Result 1.1 1.1 1.2 3.6	Type: MS h ID: 18: Date: 4/ PQL 0.049 0.049 0.049 0.097 Type: MS h ID: 18: Date: 4/ PQL 0.049 0.049 0.049 0.049 0.049	5551 8/2015 SPK value 0.9747 0.9747 0.9747 2.924 0.9747 5551 8/2015 SPK value 0.9728 0.9728 0.9728 0.9728 0.9728	Tes SPK Ref Val 0 0.009845 0 0 0 Tes SPK Ref Val 0 0.009845 0 0	stCode: El RunNo: 2: SeqNo: 7: %REC 108 105 109 108 99.2 stCode: El RunNo: 2 SeqNo: 7: %REC 117 116 124 123	PA Method 5375 50903 LowLimit 69.2 65.6 65.5 63 80 PA Method 5375 50904 LowLimit 69.2 65.6 65.5 63	8021B: Vola Units: mg/k HighLimit 126 128 138 139 120 8021B: Vola Units: mg/k HighLimit 126 128 138 138	tiles (g %RPD tiles (g %RPD 7.82 9.34 12.9 13.1	RPDLimit RPDLimit 18.5 20.6 20.1 21.1	Qual
Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3 @ 3'</b> Prep Date: <b>4/7/2015</b> Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID <b>1504213-002AMS</b> Client ID: <b>HP-3 @ 3'</b> Prep Date: <b>4/7/2015</b> Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	Samp <sup>T</sup> Batcl Analysis I Result 1.1 1.0 1.1 3.2 0.97 D Samp <sup>T</sup> Batcl Analysis I Result 1.1 1.1 1.2 3.6 0.98	Type: MS h ID: 18: Date: 4/ PQL 0.049 0.049 0.049 0.097 Type: MS h ID: 18: Date: 4/ PQL 0.049 0.049 0.049 0.049 0.049	5551 8/2015 SPK value 0.9747 0.9747 0.9747 2.924 0.9747 5551 8/2015 SPK value 0.9728 0.9728 0.9728 0.9728 0.9728	Tes SPK Ref Val 0 0.009845 0 0 0 Tes SPK Ref Val 0 0.009845 0 0 0	stCode: El RunNo: 2: SeqNo: 7: %REC 108 105 109 108 99.2 stCode: El RunNo: 2 SeqNo: 7 %REC 117 116 124 123 101	PA Method 5375 50903 LowLimit 69.2 65.6 65.5 63 80 PA Method 5375 50904 LowLimit 69.2 65.6 65.5 63 80	8021B: Vola Units: mg/k HighLimit 126 128 138 139 120 8021B: Vola Units: mg/k HighLimit 126 128 138 139 120	tiles (g %RPD tiles (g %RPD 7.82 9.34 12.9 13.1 0	RPDLimit RPDLimit 18.5 20.6 20.1 21.1 0	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

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1504213

10-Apr-15

WO#:

HALL ENVIR ANAL LABO	CONMENTAL YSIS RATORY	Hall Environmental Alb TEL: 505-345-3975 Website: www.ha	Analysis Laborator, 4901 Hawkins M uquerque, NM 8710 5 FAX: 505-345-410 allenvironmental.com	<sup>y</sup> <sup>5</sup> <sup>9</sup> Sam	ple Log-In Check List
Client Name:	Animas Environmental	Work Order Number	1504213		RoptNo: 1
Received by/dat	e:				
Logged By:	Anne Thorne	4/7/2015 6:40:00 AM		anne Im	-
Completed By: Reviewed By:	Anne Thome	4/7/2015		anne Arm	-
Chain of Cus	100 10 105				
1 Custody sea	als intact on sample bottles?		Yes	No 🗆	Not Present
2. Is Chain of C	Custody complete?		Yes 🗹	No 🗆	Not Present
3. How was the	a sample delivered?		Courier		
Log In					
4. Was an atte	empt made to cool the sampl	es?	Yes 🗹	No 🗆	
5. Were all sar	mples received at a temperat	ture of >0° C to 6.0°C	Yes 🗹	No 🗌	
6. Sample(s) i	n proper container(s)?		Yes 🗹	No 🗆	
7. Sufficient sa	ample volume for indicated te	st(s)?	Yes 🗹	No 🗌	
8. Are samples	s (except VOA and ONG) pro	perly preserved?	Yes 🗹	No 🗆	
9. Was presen	vative added to bottles?		Yes 🗋	No 🗹	NA 🗆
10.VOA vials h	ave zero headspace?		Yes 🗆	No 🗌	No VOA Vials
11. Were any s	ample containers received b	roken?	Yes	No 🗹	# of preserved
12. Does paper	work match bottle labels?	1	Yes 🗹	No 🗌	for pH: (<2 or >12 unless noted)
13 Are matrices	s correctly identified on Chair	n of Custody?	Yes 🗹	No 🗌	Adjusted?
14. Is it clear wi	hat analyses were requested	?	Yes 🗹	No 🗆	
15. Were all hol (If no, notify	Iding times able to be met? customer for authorization.)		Yes 🗹	No 🗌	Checked by:

## Special Handling (if applicable)

Was client notified of all discrepancies	with this order?	Yes [	No 🗆	NA 🗹
Person Notified:	Date		a de la construction de la constru	
By Whom:	Via:	🗌 eMail	Phone Fax	In Person
Regarding:				
Client Instructions:		NIM CONTRACTOR		

-

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

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hate: Time: hate: Time: helis ITIT lelis ITIT				31/15 15:15	31/15 14:30	31/15 13:41	31/15 12:45	31/15 11:57	51 6 11:27	Date Time	I EDD (Type)	.ccreditation	NOC Package: Standard	mail or Fax#:	hone #: 50	Farmi	lailing Address		lientAnimas	Chain
Relinquish Relinquish Samples subr				ક્ર	Sol	Smi	5.	Sn!	Sai	Matrix		C Othe			5-564.	nation.	M 409:		Environ	of-Cu
ed by: Signal by: The Wall by: hitted to Hall Environmental may be subco				HP-703'	HP-605'	HD-2 031	HP-403'	HP-3e3'	@ HP-2 e3.5'	Sample Request ID		f	Level 4 (Full Validation)		-2281	IOHES WN	r. Rinon St.		mental Services	istody Record
Received by: Received by: Received by:				1-497	1-402	1-402	1-402	1-402	1-47	Container Type and #	Sample Ten	Sampler: E	et. S	Project Mana	• .	Project #:	GP SJ	Project Nam	Standard	Turn-Around
while the store	-			600	Sool	Coo	cont	COD	(m)	Preservative Type	perature: /··	Shyles/D.	Eyles	ager:			4 9-86		Rush	Time:
Date Time Date Time Date Time Officiti Tobeto				-000	rus	-204	203	tur -	-001	HEAL No.	) The second sec	Danis	2				19			
Rem WO Supe				X	Х	X	X	X	X	BTEX + MH	EE.	+ THE	s (802	1)						
the sum so							X			BTEX + MT	BE	+ TPH	(Gas o	only)		Tel.	4901			
sub a RASS	-+-+			_	-	$\hat{}$	-	-		TPH (Meth		18 1)	ROIM	RU)		505-	Haw			
128 128	++			-						EDB (Meth	od 5	504.1)				345-	kins	WW	N N	
b Contraction										PAH's (831	0 0	8270	SIMS)		Þ	3975	NE	w.ha	≥ŕ	
Mil be										RCRA 8 M	etals	8.			naly	-	Alb	llenv	XI	1
cleanty C										Anions (F,C	CI,N	O <sub>3</sub> ,NO	2,PO4,S	04)	sis F	ax	uque	ironn	SIS	
hill the				_						8081 Pestic	cide	s / 808	2 PCB	S	Requ	05-3	rque	nenta		5
don a g		++								8260B (VO	A)				lest	45-4	. NM	l.cor	B	
24 by:	++	++		_						8270 (Sem	I-VC	DA)				107	8710	a	91	
Lind s	++	++		-	-	$\vdash$											60			
port.	++	++	+	-		-		-											0	
Man	++																		RY	
S I										Air Bubbles	(Y	or N)		_						



May 08, 2015

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

RE: CoP SJ 28-6 #79

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107 Website: <u>www.hallenvironmental.com</u>

4901 Hawkins NE

Albuquerque, NM 87109

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 <u>www.hallenvironmental.com</u> 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 qualifers 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,

Only

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

<b>Analytical Report</b>								
Lab Order 1505140								
Date Reported: 5/8/2015								

# Hall Environmental Analysis Laboratory, Inc. Diagonal

CLIENT: Animas EnvironmentalProject:CoP SJ 28-6 #79Lab ID:1505140-001	Client Sample ID: HP-1Collection Date: 5/4/2015 10:30:00 AMMatrix: AQUEOUSReceived Date: 5/5/2015 6:50:00 AM										
Analyses	Result	RL Qua	al 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					

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	Analyte detected in the associated Method Blank		
	E	Value above quantitation range	Η	Holding times for preparation or analysis exceeded	d
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page	elof5
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	ruge i ore
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Hall Environmental Analys	sis Labora	c.	Lab Order <b>1505140</b> Date Reported: <b>5/8/2015</b>								
CLIENT: Animas Environmental	Client Sample ID: HP-2										
<b>Project:</b> CoP SJ 28-6 #79			Collection Date: 5/4/2015 10:40:00 AM								
Lab ID: 1505140-002	Matrix:	AQUEOU	S	Received	Date: 5/5	/2015 6:50:00 AM					
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch				
EPA METHOD 8021B: VOLATILES						Analys	t: 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				

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

**Analytical Report** 

- 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
- Page 2 of 5

## Analytical Report Lab Order 1505140

#### Date Reported: 5/8/2015

CLIENT: Animas Environmental Project: CoP SJ 28-6 #79 Lab ID: 1505140-003	Client Sample ID: HP-4 Collection Date: 5/4/2015 10:50:00 AM Matrix: AQUEQUS Received Date: 5/5/2015 6:50:00 AM										
Analyses	Result	RL Qu	al 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					

Hall Environmental Analysis Laboratory, Inc.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank				
	Е	E Value above quantitation range H		Holding times for preparation or analysis	s exceeded			
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 3 of 5			
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	Tage 5 01 5			
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit				
	S	Spike Recovery outside accepted recovery limits						

					1							
CLIENT: Animas Environmental	Client Sample ID: HP-5											
<b>Project:</b> CoP SJ 28-6 #79			Collection I	Date: 5/4	4/2015 11:00:00 AM							
Lab ID: 1505140-004	Matrix: A	Matrix: AQUEOUS Received Date: 5/5/2015 6:50:										
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch						
EPA METHOD 8021B: VOLATILES					Analys	t: 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						

Qualifiers: *		Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	associated Method Blank		
	<ul><li>E Value above quantitation range</li><li>J Analyte detected below quantitation limits</li></ul>		Н	Holding times for preparation or analysis exceeded			
			ND Not Detected at the Reporting Limit		Page 4 of 5		
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	1 age + 01 5		
	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 1505140 Date Reported: 5/8/2015

Client:Animas EnvironmentalProject:CoP SJ 28-6 #79

Sample ID 5ML RB	SampType	e: MBLK	Test	Code: EPA	A Method	8021B: Volat	iles		
Client ID: PBW	Batch ID	): R26016	R	unNo: 260	016				
Prep Date:	Analysis Date	e: 5/6/2015	S	eqNo: 771	1267	Units: µg/L			
Analyte	Result F	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	SampTyp	e: LCS	Test	tCode: EP/	A Method	8021B: Volat	iles		
Client ID: LCSW	Batch ID	): R26016	R	unNo: 260	016				
Prep Date:	Analysis Date	e: 5/6/2015	S	eqNo: 771	1268	Units: µg/L			
Azekte	Desult			2/ DEC	Loud insit	Lindal insit		DDDI imit	Qual

Prep Date:	Analysis Date: 5/6/2015			S	SeqNo: 7	71268	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

Page 5 of 5

1505140 08-May-15

08-

WO#:



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 503-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

# Sample Log-In Check List

Client Name:	Animas Enviro	onmental	Work Order Nur	nber: 1505140		RcptNo: 1	
Received by/c	late: AT.		05/05/15				
Logged By:	Ashley Galle	gos	5/5/2015 6:50:00	AM	AZ		
Completed By	Ashley Galle	gos	5/5/2015 9:23:39	M	A		
Reviewed By:	(	is	05/05/1	5	0		
Chain of Cu	istody						
1. Custody s	eals intact on sam	ple bottles?		Yes	No	Not Present	
2. Is Chain o	f Custody complet	te?		Yes 🗹	No	Not Present	
3. How was t	the sample deliver	ed?		Courier			
Log In							
4. Was an a	ttempt made to co	ol the samp	es?	Yes V	No	NA	
5. Were all s	amples received a	at a temperal	ure of >0° C to 6.0°C	Yes 🖌	No	NA	
6. Sample(s	) in proper contain	er(s)?		Yes 🖌	No		
7. Sufficient	sample volume fo	r indicated te	st(s)?	Yes 🗹	No		
8. Are sample	es (except VOA a	nd ONG) pro	perly preserved?	Yes 🖌	No		
9. Was prese	ervative added to I	bottles?		Yes	No 🗹	NA	
10.VOA vials	have zero heads;	ace?		In ves V	No E	No VOA Vials	
11, Were any	sample container	rs received b	roken?	Yes	No 🗹	# of preserved	
12. Does pap (Note disc	erwork match bott prepancies on chai	le labeis? in of custody		Yes 🗸	No	for pH: (<2 or >12 unle	ess note
13. Are matric	ces correctly identi	ified on Chair	of Custody?	Yes 🗸	No	Adjusted?	
14. Is it clear	what analyses we	re requested	?	Yes 🗸	No		
15. Were all h (If no, not	olding times able ify customer for au	to be met? uthorization.)		Yes 🗸	No	Checked by:	
Special Ha	ndling (if appl	icable					
16, Was clien	t notified of all dis	crepancies w	ith this order?	Yes	No	NA 🖌	
Per	son Notified:		Da	te			
By	Whom:	dal anno aport citta anno a	Vi	eMail [] I	Phone Fax	In Person	
Reg	arding:						
Clie	nt Instructions:						
17. Additiona	I remarks:						
18. Cooler In	nformation			1 0.000	e:		
Ccole	No Temp C	Condition	Seal Intact   Seal No	Seal Date	Signed By		

Page 1 of 1

Chain-of-Custody Record			Turn-Around Time:				HALL ENVIDONMENTAL													
Client: Animas Environmental Services			X Standard  Rush							N			TS	11	AF	30	R/		OR	
				Project Name:				www.hallenvironmental.com												
Mailing Address: 604 W Pinon St			CoP SJ 28-6 #79				4901 Hawkins NE - Albuquerque, NM 87109													
Formington NIM 87401			Project #:				Tel. 505-345-3975 Fax 505-345-4107													
505-564-2281			-					Analysis Request												
Email or Fax#: eskyles@animasenvironmental.com			Project Manager:				20.1	540												
QA/QC Package:			Emilee Skyles				Inductance - EPA 1	5 - SM 2	00-SD		EPA 900.0	K175	s- EPA300.0	- EPA 200.7						
X Standard   Level 4 (Full Validation)			8															9		
Accreditation:			Sampler: D. Davis On Ice: XI Yes: No.					D, TDS			a/Beta -	s - RS			SM 2320B		58	500 NF		
EDD (Type)			Sample Temperature:					5401			Alpha	ase				8	801	M 4		
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	Arsenic - EP	Specific Cor	TSS - SM 2	Sulfide A45(	Salinity	Radioactivity -	Dissolved G	Major Anion	Major Cations -	Alkalinity - S	BTEX - 802	TPH - EPA	Ammonia SI	
14/15	10:30	Aqueous	HP-1	3 - 40 mL VOA	HCI	-001											х			
14/15	1940	Aqueous	HP-2	3 - 40 mL VOA	нсі	-002											Х			
14/15	10:50	Aqueous	HP-4	3 - 40 mL VOA	HCI	-003											x			
14/15	[1:00 Aqueous HP-5			3 - 40 mL VOA	нсі	-004											x			
							-										-	$\square$		
		-					-											$\square$		$\vdash$
Date:	Time:	Relinguished	lby: 0	Received by:		Date Time	Ren	narks	: Bil	to C	ono	co Pl	hillips	s						WO#
5/4/15	1612	Dyl	a Daw	Mistuliale 5/4/15/1612			20648928 USER: BRA - Supervisor: Bobby Spearman Area													
Date: 5/4/15	14/15 1754 Moter Walts			Received by Date Time																