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

Form C-141
Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office to accordance with 19.15.29 NMAC.

						OPERA	TOR		☐ Initi	al Report	⊠ Fir	al Repo
Name of C	ompany Bu	ırlington Re	esources (	Oil & Gas Co.	(	Contact Li	ndsay Dumas				1	
	101 East 30th			1			No.(505) 258-	1643				14.7
Facility Na	me: San Jua	an 29-7 90A	1	11 11-5	]	Facility Typ	pe: Gas					
Surface Ov	vner:	12		Mineral	Owner: S	SF-0784231			API No	o. 30-039-2	25566	
				LOC	CATION	OF RE	LEASE					
Unit Letter I	Section 05	Township 29N	Range 07W	Feet from the 1830'		South Line FSL	Feet from the 925'	East	/West Line FEL	County Rio Arri	ba	
				The second secon	and the second second second second	Longitu OF REL	de <u>-107.58815</u> EASE					
Type of Rela	ease Conde	ensate and Pro	oduced Wa		TOILL	Volume of	CONTRACTOR OF THE	nown	Volume I	Recovered	Unknown	
	elease BGT						Hour of Occurre	The Control of the Co		Hour of Di		100
Was Immedi	iate Notice G		Yes [	No Not	Required	If YES, To				5	1	
By Whom?		1.2.4574			17. 12	Date and I			1 1 2 2			
Was a Water	rcourse Reac		Yes 🛛 1	No		If YES, V	olume Impacting	g the Wa		ONS. DI	V DIST. 3	
										OCT 13	2013	
	use of Proble elease was con			n Taken.* osure activity,						00119	2013	
A historic re  Describe Are  Excavation  transporte	elease was con ea Affected a n was 31' x ed from Car	nfirmed during and Cleanup A 30° x 17° D	Action Take	cen.*	excavati	on site. A	IEI Land Far		966 c/yds	of clean so	oil was	ds – no
Describe Are Excavation transporte further act  I hereby cert regulations a public health should their or the enviro	ea Affected an was 31' x ed from Cartion required tify that the in all operators an or the environment operations have	and Cleanup A 30' x 17' D ndelaria Ra ed. The soi nformation grare required to onment. The ave failed to a ddition, NMC	Action Take Deep. 840 anch and il samplin iven above to report are acceptance adequately DCD accep	cen.* O c/yds of soil placed in the ng report is an e is true and con nd/or file certain ce of a C-141 re v investigate and	excavati ttached for applete to the a release no port by the	or review.  The best of my orifications as a NMOCD me contaminat		underst rective at Report"	966 c/yds of the below the and that puretions for relidoes not religround wate	of clean so e regulator suant to NN eases which ieve the oper, surface w	oil was ry standar  MOCD rules n may endan erator of liab	and ger ility health
Describe Are Excavation transporte further act  I hereby cert regulations a public health should their or the enviro	ea Affected an was 31' x ed from Cartion required tify that the in all operators an or the environment. In acomment, In ac	and Cleanup A 30' x 17' D ndelaria Ra ed. The soi nformation grare required to onment. The ave failed to a ddition, NMC	Action Take Deep. 840 anch and il samplin iven above to report are acceptance adequately DCD accep	cen.* O c/yds of soil placed in the ng report is an e is true and con nd/or file certain ce of a C-141 re v investigate and	excavati ttached for applete to the a release no port by the	or review.  The best of my orifications as a NMOCD me contaminat	knowledge and and perform corn arked as "Final ion that pose a tive the operator of	underst rective at Report" hreat to	966 c/yds of the below the and that puretions for relidoes not religround wate	suant to NN eases which ieve the oper, surface we compliance	MOCD rules n may endan erator of liab rater, human with any oth	and ger ility health
Describe Arc Excavation transporte further act  I hereby cert regulations a public health should their or the enviro federal, state	ea Affected an was 31' x ed from Cartion required tify that the in all operators an or the environment. In acomment, In ac	and Cleanup A 30° x 17° D andelaria Ra ed. The soil are required to comment. The ave failed to a ddition, NMC ave and/or regulary and/or regul	Action Take Deep. 840 anch and il samplin iven above to report are acceptance adequately DCD accep	cen.* O c/yds of soil placed in the ng report is an e is true and con nd/or file certain ce of a C-141 re v investigate and	nplete to the release no port by the I remediate 1 report do	ne best of my otifications as NMOCD me contaminat	knowledge and and perform corn arked as "Final ion that pose a tive the operator of	underst ective at Report" hreat to of respon	and that purctions for rel does not rel ground wate sibility for c	suant to NN eases which ieve the oper, surface we compliance	MOCD rules n may endan erator of liab rater, human with any oth	and ger ility health
Describe Are Excavation transporte further act  I hereby cert regulations a public health should their or the enviro federal, state  Signature:  Printed Nam	ea Affected an was 31' x ed from Cartion required tify that the in all operators an or the enviroperations have been been been been been been been be	and Cleanup A 30' x 17' D ndelaria Ra ed. The soi nformation grare required to a ddition, NMC vs and/or regrated Dumas	Action Take Deep. 840 anch and il samplini iven above to report are acceptance adequately OCD acceptulations.	cen.* O c/yds of soil placed in the ng report is an e is true and con nd/or file certain ce of a C-141 re v investigate and	nplete to the release no port by the I remediate 1 report do	ne best of my otifications as NMOCD me contaminations not relieve	knowledge and and perform cornarked as "Final ion that pose a tive the operator of OIL COM	underst ective at Report" hreat to of respon	and that purctions for rel does not rel ground wate sibility for c	suant to NM eases which ieve the open, surface whompliance	MOCD rules n may endan erator of liab rater, human with any oth	and ger ility health
Describe Are Excavation transporte further act  I hereby cert regulations a public health should their or the enviro federal, state  Signature:  Printed Nam  Title: Field	ea Affected an was 31' x ed from Cartion required tify that the in all operators an or the enviroperators have the control of	and Cleanup And Cleanup And Cleanup And Cleanup And	Action Take Deep. 840 anch and il samplini iven above to report are acceptance adequately OCD acceptulations.	cen.* O c/yds of soil placed in the ng report is at e is true and con nd/or file certain ce of a C-141 re investigate and otance of a C-14	nplete to the release no port by the remediate of report do	ne best of my otifications as NMOCD me contaminations not relieve	knowledge and and perform cornarked as "Final ion that pose a the operator of OIL COMMENT CONTRACTOR OF Environmental atte: \2\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	underst ective at Report" hreat to of respon	and that purctions for rel does not rel ground wate sibility for covariant of the covariant	suant to NM eases which ieve the open, surface whompliance	OCD rules in may endan erator of liab rater, human with any oth	and ger ility health

# Animas Environmental Services, LLC



August 31, 2015

Lindsay Dumas ConocoPhillips San Juan Business Unit (505) 599-4089

Via electronic mail to: SJBUE-Team@ConocoPhillips.com

RE: Release Assessment and Final Excavation Report

San Juan 29-7 #90A

Rio Arriba County, New Mexico

Dear Ms. Dumas:

On December 15, 2014, and January 20 and March 24, 2015, Animas Environmental Services, LLC (AES) completed an initial release assessment and environmental clearance of the final excavation limits at the ConocoPhillips (COPC) San Juan 29-7 #90A, located in Rio Arriba County, New Mexico. The historic release consisted of an unknown quantity of produced water and condensate and was discovered around the below grade tank (BGT) at the location. The initial release assessment was completed by AES on December 15, 2014, and January 20, 2015, and the final excavation was completed by COPC contractors while AES was at the location on March 24, 2015.

# 1.0 Site Information

### 1.1 Location

Site Name – San Juan 29-7 #90A
Location – NE¼ SE¾, Section 5, T29N, R7W, Rio Arriba County, New Mexico
Well Head Latitude/Longitude – N36.75263 and W107.58846, respectively
Release Location Latitude/Longitude – N36.75274 and
W107.58815, respectively
Land Jurisdiction – Private
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, December 2014

604 W. Piñon St. Farmington, NM 87401 505-564-2281

> 1911 Main, Ste 280 Durango, CO 81301 970-403-3084

### 1.2 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to site work. The release was given a ranking score of 10 based on the following factors:

- Depth to Groundwater: A cathodic protection report form dated February 1998 reported the depth to groundwater at 160 feet below ground surface (bgs). (0 points)
- Wellhead Protection Area: The release location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: An ephemeral stock pond is approximately 310 feet to the east. At 400 feet to the southwest is an unnamed wash that is a tributary to Gobernador Canyon wash. (10 points)

### 1.3 Assessment

AES was initially contacted by Lindsay Dumas of COPC on December 8, 2014, and on December 15, 2014, and January 20, 2015, Emilee Skyles and Dylan Davis of AES completed an initial release assessment and GeoProbe investigation. Based on initial field and laboratory results, AES recommended continued assessment using a GeoProbe in order to determine the vertical and horizontal extent of contamination below and within the immediate vicinity of the BGT. The assessments included collection and field sampling of 46 soil samples from 13 borings in and around the release area. Soil borings were terminated between 7 and 24 feet. Based on field sampling results, AES recommended excavation of the release area. Sample locations are shown on Figure 3.

On March 24, 2015, AES returned to the location to collect confirmation soil samples of the excavation. The field sampling activities included collection of five confirmation soil samples (SC-1 through SC-5) from the walls and base of the excavation. The area of the final excavation measured approximately 37 feet by 40 feet by 17 feet in depth. Sample locations and final excavation extents are presented on Figure 4.

# 2.0 Soil Sampling

A total of 51 soil samples from 13 borings (SB-1 through SB-13) and 5 composite samples (SC-1 through SC-5) were collected during the assessments. All soil samples were field screened for volatile organic compounds (VOCs), and selected samples were also analyzed for total petroleum hydrocarbons (TPH). Four samples (SB-1 and SB-4 through SB-6)

Lindsay Dumas San Juan 29-7 #90A Release Assessment and Final Excavation Report August 31, 2015 Page 3

collected during the initial assessment and all composite samples collected during the excavation clearance were submitted for confirmation laboratory analysis.

## 2.1 Field Sampling

### 2.1.1 Volatile Organic Compounds

Field screening for VOC vapors was conducted with a photo-ionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas.

### 2.1.2 Total Petroleum Hydrocarbons

Field TPH samples were analyzed per U.S. Environmental Protection Agency (USEPA) Method 418.1 using a Buck Scientific Model HC-404 Total Hydrocarbon Analyzer Infrared Spectrometer (Buck). A 3-point calibration was completed prior to conducting soil analyses. Field analytical protocol followed AES's Standard Operating Procedure: Field Analysis Total Petroleum Hydrocarbons per EPA Method 418.1.

## 2.2 Laboratory Analyses

The soil samples collected for laboratory analysis were placed into new, clean, laboratory-supplied containers, which were then labeled, placed on ice, and logged onto a sample chain of custody record. Samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico. All soil samples were laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8021B; and
- TPH for gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO) per USEPA Method 8015D.

# 2.3 Field and Laboratory Analytical Results

On December 15, 2014, and January 20, 2015, initial assessment field screening results for VOCs via OVM showed concentrations ranging from 0.0 ppm in SB-8 through SB-11 and SB-13 up to 3,956 ppm in SB-1. Field TPH concentrations ranged from less than 20.0 mg/kg in SB-4, SB-6, SB-8, SB-9, SB-11, SB-12, and SB-13 up to greater than 2,500 mg/kg in SB-1, SB-2, SB-3, SB-7, SB-9, and SB-12.

On March 24, 2015, final excavation field screening results for VOCs via OVM ranged from 0.0 ppm in SC-2 up to 41.0 ppm in SC-5. Field TPH concentrations ranged from less than 20.0 mg/kg in SC-4 up to 54.4 mg/kg in SC-1. Results are included below in Table 1 and on Figures 3 and 4. The AES Field Sampling Reports are attached.

Lindsay Dumas San Juan 29-7 #90A Release Assessment and Final Excavation Report August 31, 2015 Page 4

Table 1. Soil Field VOCs and TPH Results
San Juan 29-7 #90A Initial Release Assessment and Final Excavation
December 2014, January 2015, and March 2015

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	TPH 418.1 (mg/kg)
NMOCE	Action Level*		100	1,000
		6	3,384	>2,500
		7	3,580	>2,500
SB-1	12/15/14	9	3,507	NA
		11	3,956	>2,500
		13	3,415	>2,500
CD 2	12/15/11	6	3,032	NA
SB-2	12/15/14 -	7	2,560	>2,500
60.3	40/45/44	6	3,151	NA
SB-3	12/15/14 -	7	3,285	>2,500
	40/45/44	7	3.4	17.1
SB-4	12/15/14 -	9	1.4	3.4
60.5	40/45/44	7	0.5	NA
SB-5	12/15/14 -	9	0.7	24.0
60.6	40/45/44	7	0.4	NA
SB-6	12/15/14 -	9	0.3	18.5
		7	1.0	NA
SB-7	12/15/14	9	0.6	NA
		10	90.6	>2,500
		4	0.0	NA
CD O	1/20/15	8	0.0	<20.0
SB-8	1/20/15 -	12	0.0	NA
		16	0.0	<20.0
		4	0.0	NA
	-	8	0.0	<20.0
SB-9	1/20/15	12	1.5	>2,500
		16	10.1	189
	-	20	0.0	24.7

Lindsay Dumas San Juan 29-7 #90A Release Assessment and Final Excavation Report August 31, 2015 Page 5

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	TPH 418.1 (mg/kg)
NMOCD A	ction Level*		100	1,000
		24	0.0	22.0
		4	0.0	NA
	-	8	0.0	NA
SB-10	1/20/15	12	0.0	54.0
		16	0.0	NA
		20	0.0	NA
		4	0.0	NA
		8	0.0	NA
SB-11	1/20/15	12	0.0	14.0
		16	0.0	NA
		8	3,584	NA
		12	3,120	>2,500
SB-12	1/20/15	15	627	504
		16	13.1	<20.0
		20	3.6	<20.0
		8	0.5	NA
SB-13	1/20/15 -	12	0.2	<20.0
3B-13	1/20/13	16	0.0	NA
		20	0.3	NA
SC-1	3/24/15	1 to 17	2.7	54.4
SC-2	3/24/15	1 to 17	0.0	26.9
SC-3	3/24/15	1 to 17	4.6	28.2
SC-4	3/24/15	1 to 17	0.1	<20.0
SC-5	3/24/15	17	41.0	49.2

NA - not analyzed

Laboratory analyses for SB-1 and SB-6 through SB-9 were used to confirm field sampling results of the initial release assessment in December 2014. Benzene concentrations were

<sup>\*</sup>Action level determined by the NMOCD ranking score per NMOCD Guidelines for Remediation of Leaks, Spills, and Releases (August 1993)

reported below laboratory detection limits in each sample. Total BTEX concentrations were reported below laboratory detection limits in SB-6 through SB-9 and at 92.7 mg/kg) in SB-1. TPH concentrations as GRO/DRO were reported in SB-1 (2,010 mg/kg).

Laboratory analyses for SC-1 through SC-5 were used to confirm field sampling results from the final excavation clearance in March 2015. Benzene and total BTEX concentrations in all samples were reported below laboratory detection limits. TPH concentrations as GRO/DRO/MRO were reported below laboratory detection limits in all samples except SC-5 (11 mg/kg). Results are presented in Table 2 and on Figure 4. The laboratory analytical reports are attached.

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, and TPH San Juan 29-7 #90A Initial Release Assessment and Final Excavation Clearance December 2014, January 2015, and March 2015

Sample ID	Date Sampled	Sample Depth (ft bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)
NMC	CD Action Le	vel*	10	50		1,000	
SB-1	12/15/14	13	<0.49	92.7	710	1,300	NA
SB-4	12/15/14	9	<0.044	<0.220	<4.4	<9.9	NA
SB-5	12/15/14	9	<0.054	<0.272	<5.4	<10	NA
SB-6	12/15/14	9	<0.042	<0.209	<4.2	<10	NA
SC-1	3/24/15	1 to 17	<0.050	<0.249	<5.0	<9.9	<50
SC-2	3/24/15	1 to 17	<0.048	<0.240	<4.8	<10	<50
SC-3	3/24/15	1 to 17	<0.047	<0.235	<4.7	<9.9	<49
SC-4	3/24/15	1 to 17	<0.048	<0.240	<4.8	<10	<50
SC-5	3/24/15	17	<0.048	<0.240	<4.8	11	<50
Limited in the same of the sam	- W. 100						

NA - not analyzed

### 3.0 Conclusions and Recommendations

On December 15, 2014, and January 20, 2015, AES conducted an initial assessment of petroleum contaminated soils associated with a historic release at the San Juan 29-7 #90A. Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), and the site was assigned a rank of 10.

<sup>\*</sup>Action level determined by the NMOCD ranking score per NMOCD Guidelines for Remediation of Leaks, Spills, and Releases (August 1993)

Lindsay Dumas San Juan 29-7 #90A Release Assessment and Final Excavation Report August 31, 2015 Page 7

Initial assessment field sampling results above the NMOCD action level of 100 ppm VOCs and 1,000 mg/kg TPH were reported in several borings, including SB-1, SB-2, SB-3, SB-7, SB-9, and SB-12. The highest VOC concentration was reported in SB-1 with 3,956 ppm, and the highest TPH concentrations were reported above range (>2,500 mg/kg) in SB-1, SB-2, SB-3, SB-7, SB-9, and SB-12.

Laboratory analyses for SB-1 and SB-4 through SB-6 were used to confirm initial field sampling results. Benzene concentrations were reported below the NMOCD action level of 10 mg/kg in each sample. In contrast, total BTEX concentrations exceeded the NMOCD action level of 50 mg/kg in SB-1 (92.7 mg/kg). TPH concentrations as GRO/DRO were above the NMOCD action level of 1,000 mg/kg in SB-1 (2,010 mg/kg).

On March 24, 2015, final excavation of the impacted area was completed. Field sampling results of the excavation extents showed that VOC concentrations were below applicable NMOCD action levels for the final walls and base of the excavation. Field TPH concentrations were also below the applicable NMOCD action level of 1,000 mg/kg for the final walls and base of the excavation. Laboratory analytical results reported benzene, total BTEX, and TPH concentrations as GRO/DRO/MRO below NMOCD action levels in all samples.

Based on final field sampling and laboratory analytical results of the excavation extents of petroleum contaminated soils at the San Juan 29-7 #90A, VOC, benzene, total BTEX, and TPH concentrations were below applicable NMOCD action levels for each of the sidewalls and base of the excavation. No further work is recommended.

If you have any questions about this report or site conditions, please do not hesitate to contact Emilee Skyles at (505) 564-2281.

Sincerely,

David J. Reese

**Environmental Scientist** 

Elizabeth V McNolly

David & Reve

Elizabeth McNally, PE

Attachments:

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, December 2014

Lindsay Dumas San Juan 29-7 #90A Release Assessment and Final Excavation Report August 31, 2015 Page 8

Figure 3. Initial Assessment and GeoProbe Sample Locations and Results
December 2014 and January 2015

Figure 4. Final Excavation Sample Locations and Results, March 2015

Soil Boring Logs

AES Field Sampling Report 121514

AES Field Sampling Report 012015

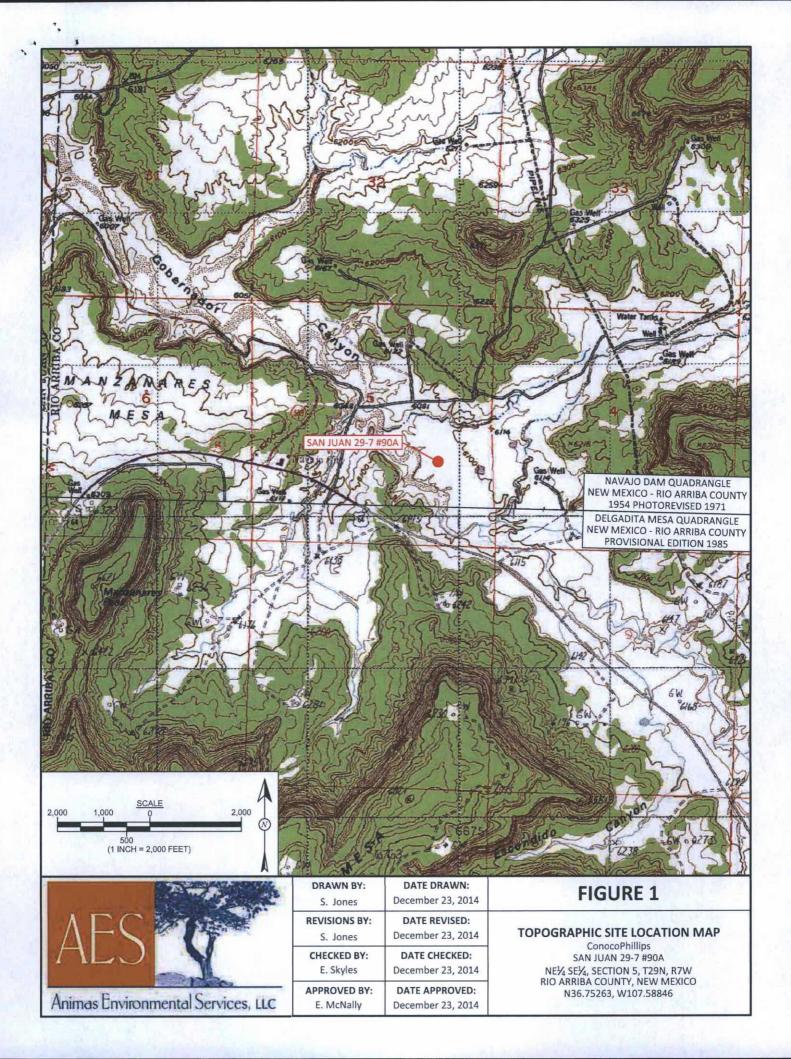
AES Field Sampling Report 032415

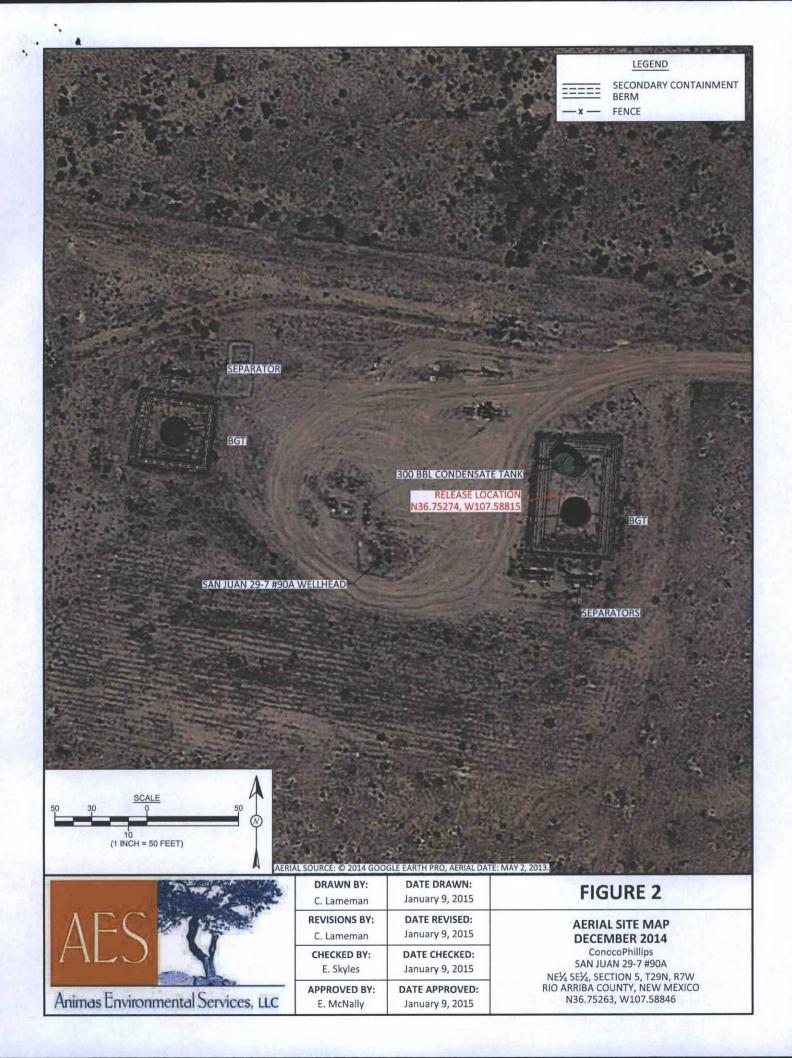
Hall Laboratory Analytical Report 1412701

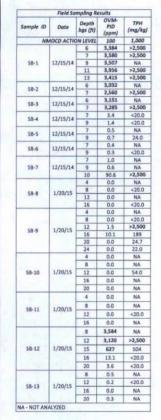
Hall Laboratory Analytical Report 1412896

Hall Laboratory Analytical Report 1503B65

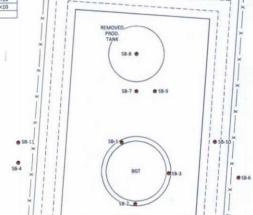
R:\Animas 2000\Dropbox (Animas Environmental)\0000 Animas Server Dropbox EM\2015
Projects\ConocoPhillips\SJ 29-7 #90A\San Juan 29-7 #90A Release and Final Excavation Report 083115.docx







Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	
NMOCD	ACTION LE	VEL	10	50	1,000		
SB-1	12/18/14	13	0.49	92.7	710	1,300	
58-4	12/15/14	9	<0.044	< 0.220	<4.4	<9.9	
58-5	12/15/14	9	< 0.054	<0.272	<5.4	<10	
SB-6	12/15/14	9	< 0.042	< 0.209	<4.2	<10	



58-13 0 58-5 @

### FIGURE 3

INITIAL ASSESSMENT AND GEOPROBE SAMPLE LOCATIONS AND RESULTS, DECEMBER 2014 AND JANUARY 2015 CONCOCPHIBIDS SAN JUAN 29-7 890A NESS SECTION 5, T29N, R7W RIO ARRIBA COUNTY, NEW MEXICO N36.75263, W107.58846



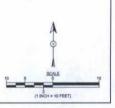
# Animas Environmental Services, LLC

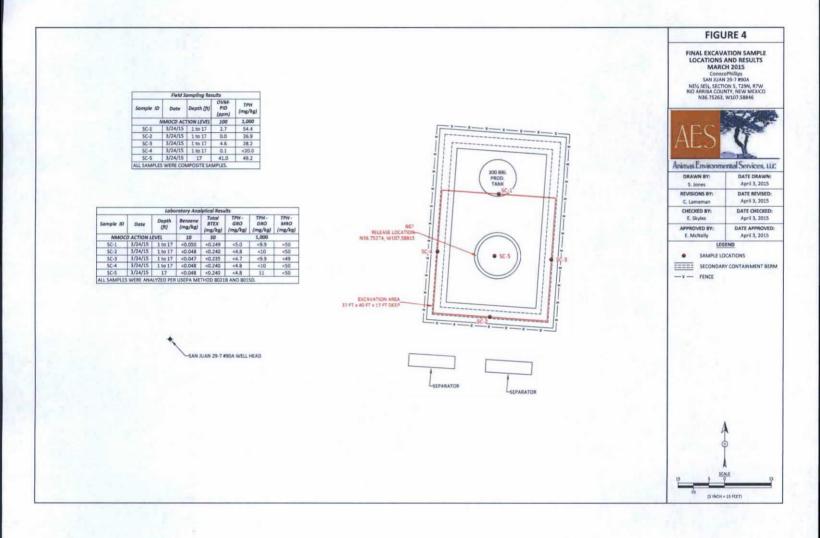
LEG	GEND
APPROVED BY:	DATE APPROVED:
E. McNally	January 26, 2015
CHECKED BY:	DATE CHECKED:
E. Skyles	January 26, 2015
REVISIONS BY:	DATE REVISED:
S. Jones	January 26, 2015
S. Jones	January 26, 2015

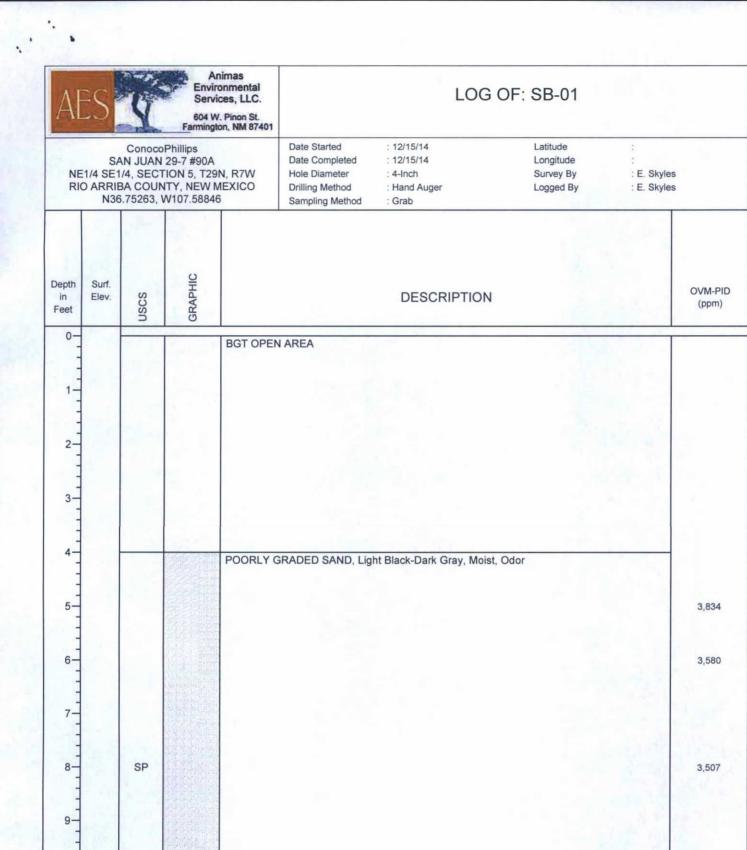
SAMPLE LOCATIONS

SECONDARY CONTAINMENT

FENCE







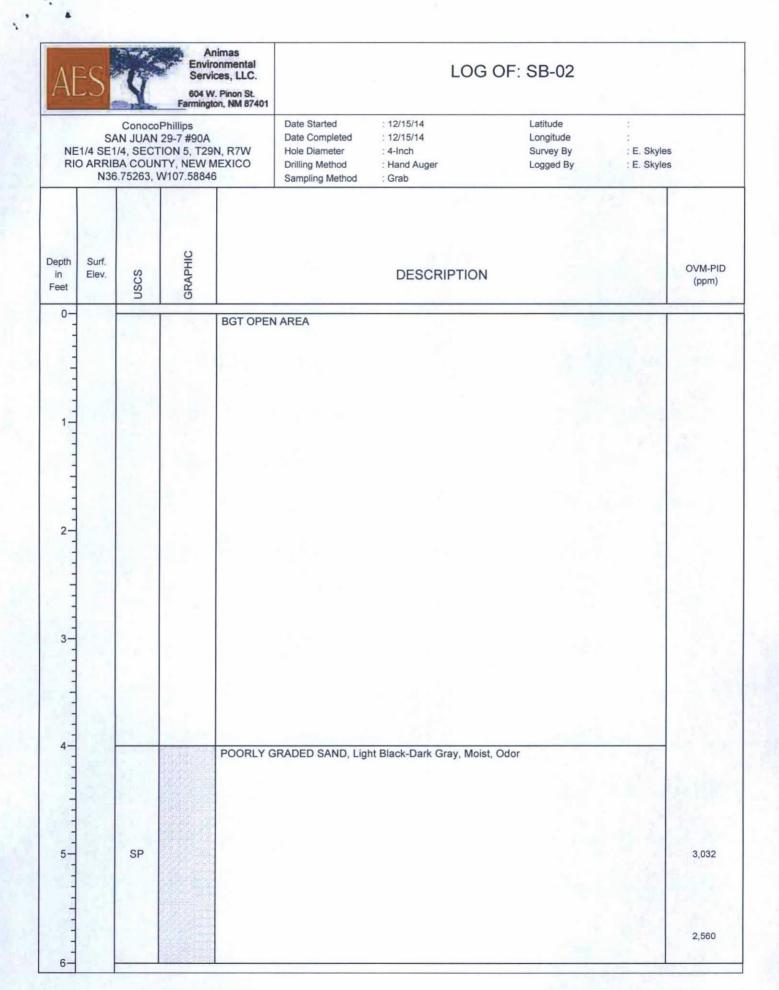
3,956

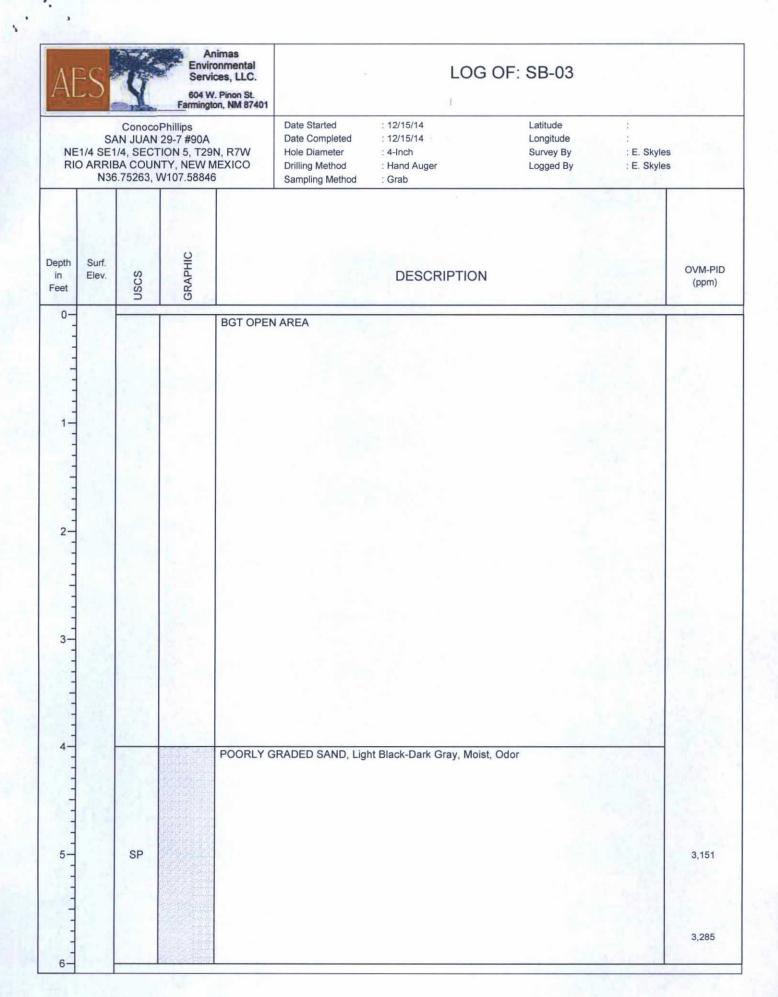
3,415

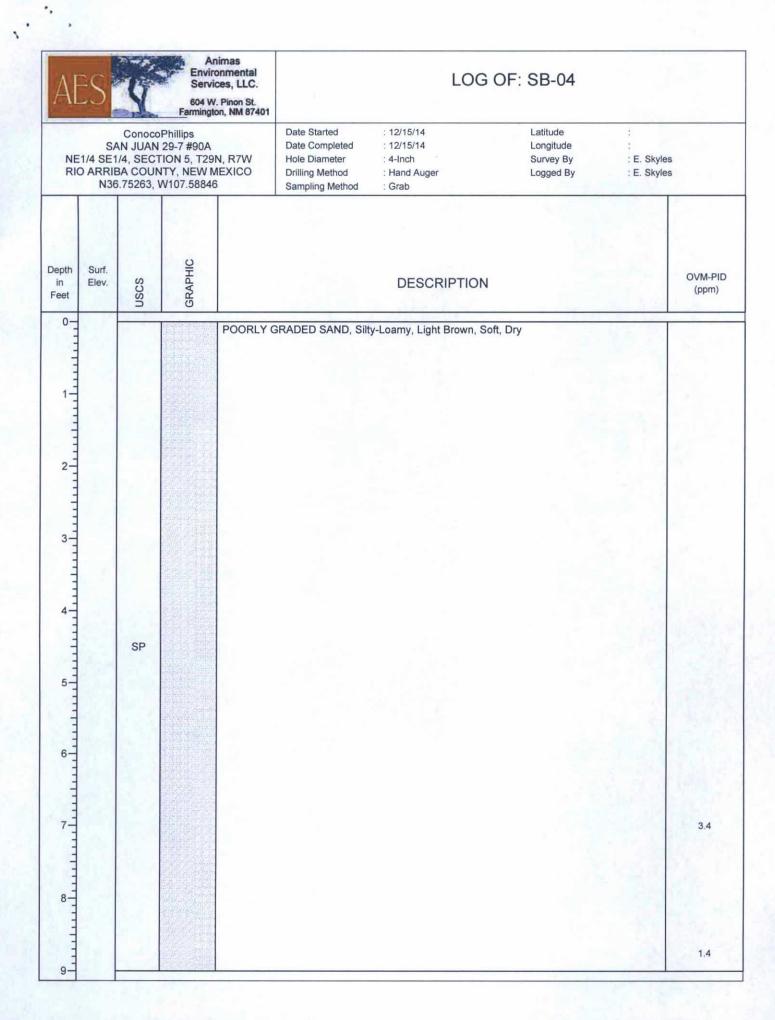
10-

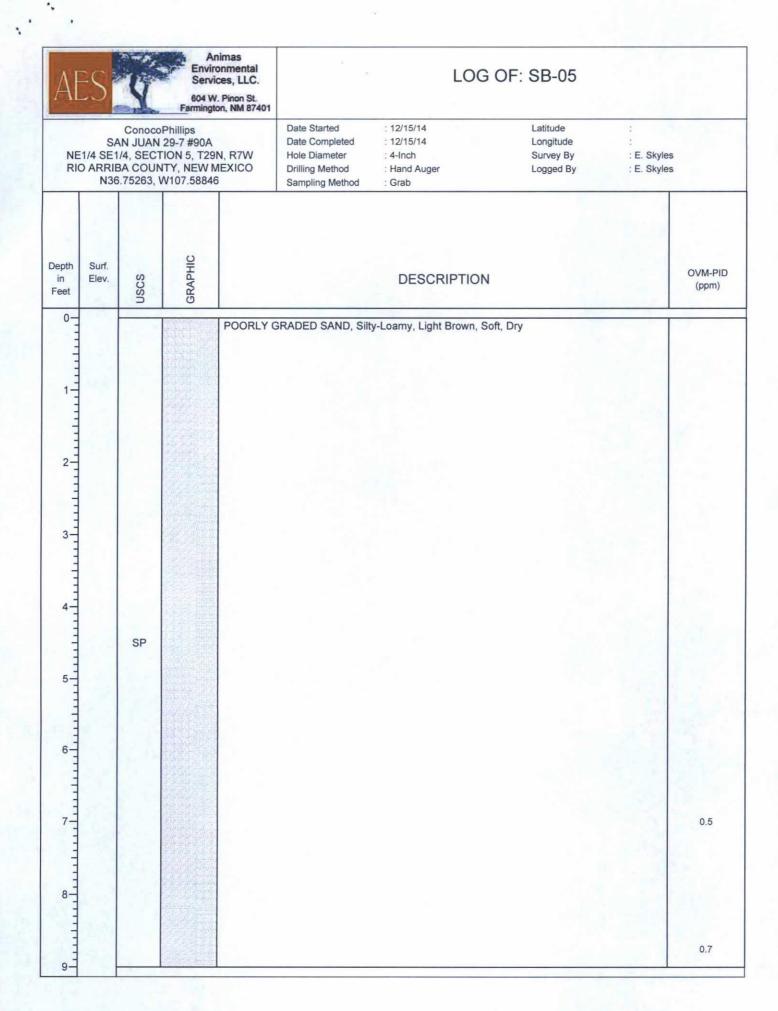
11

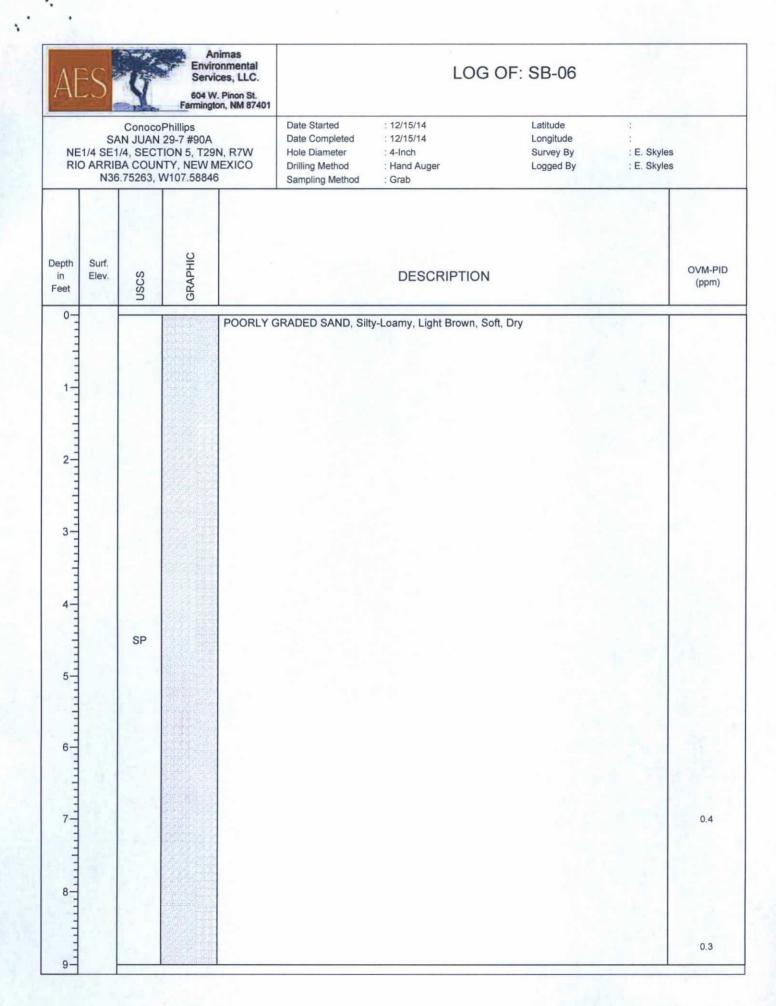
12-

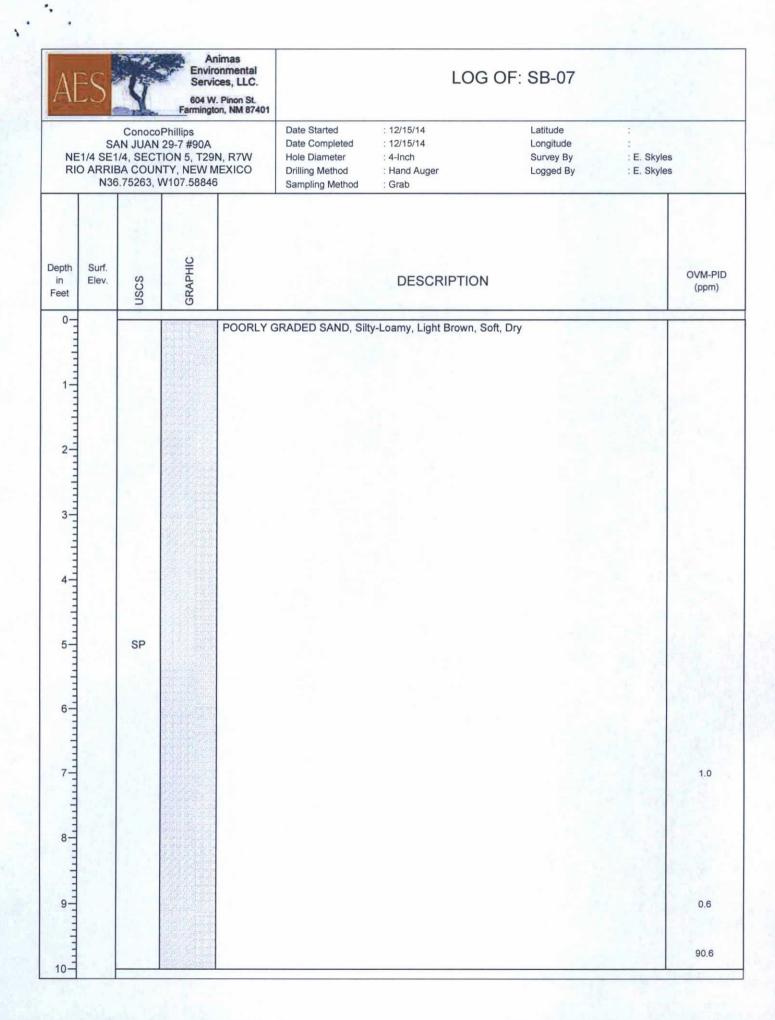


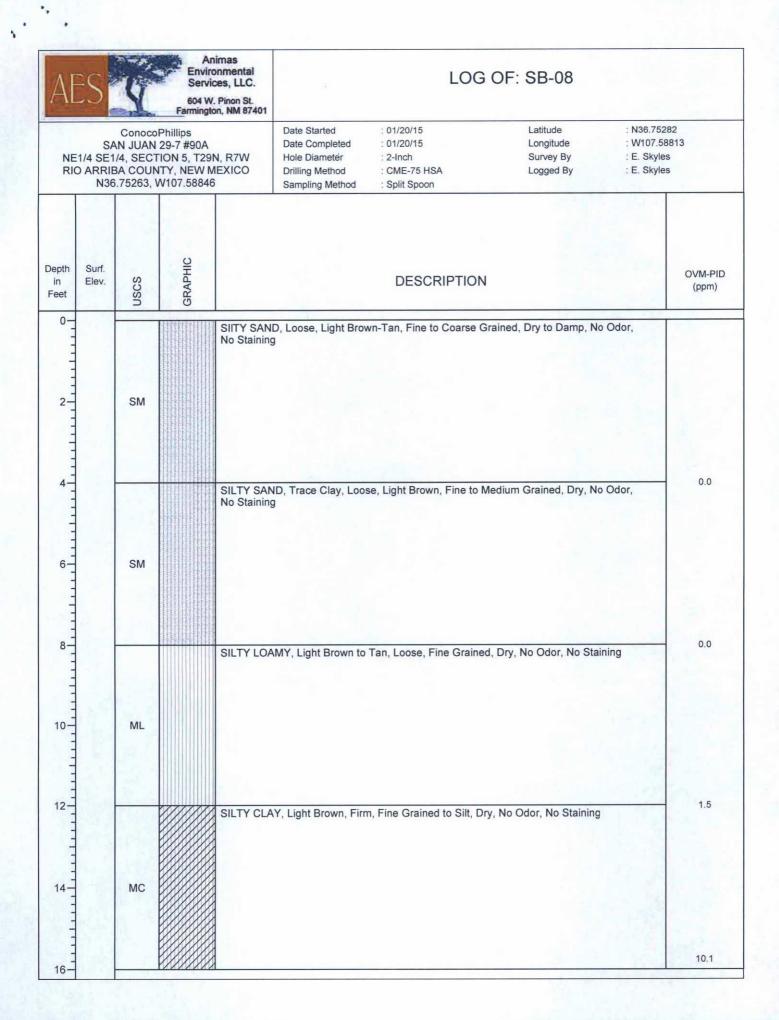


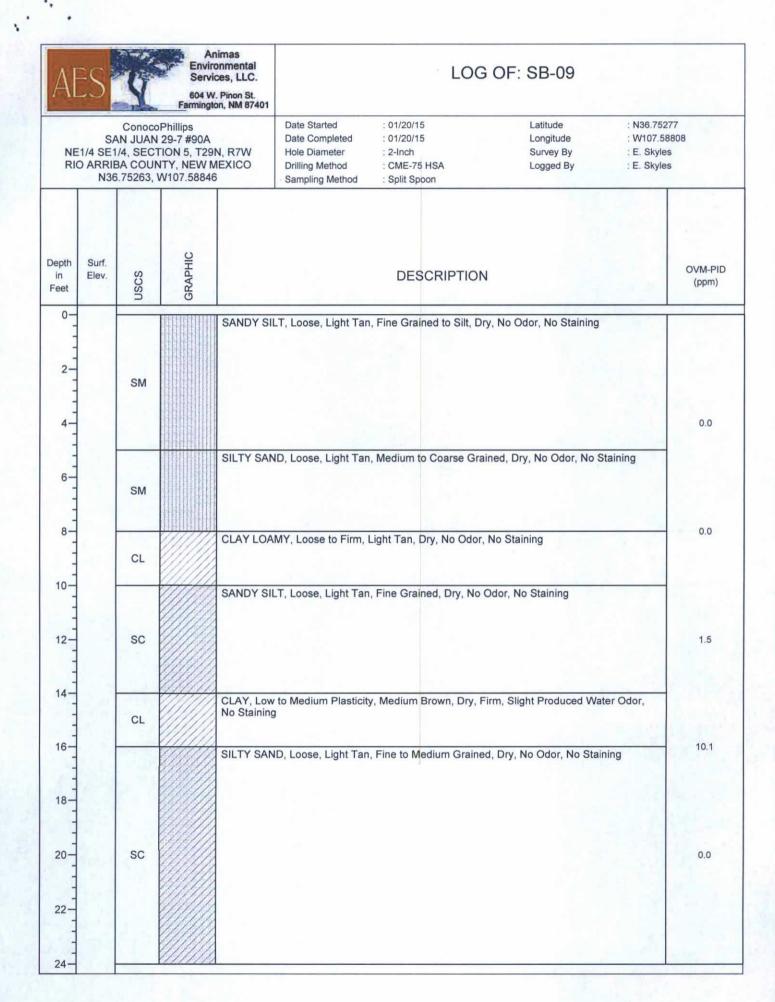


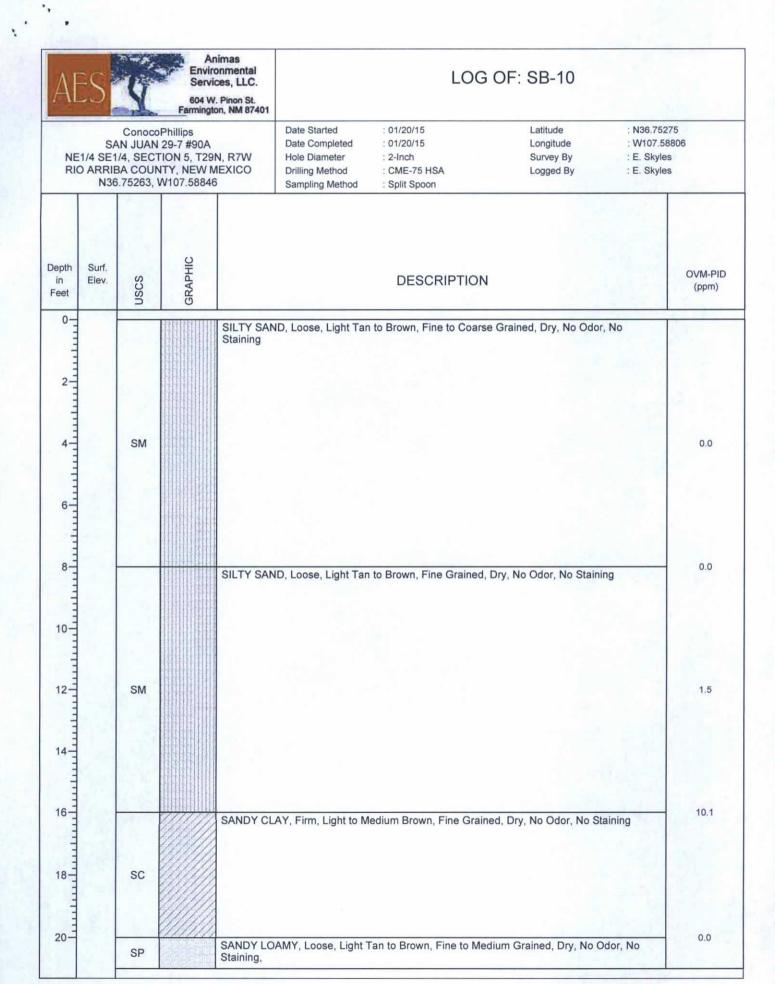


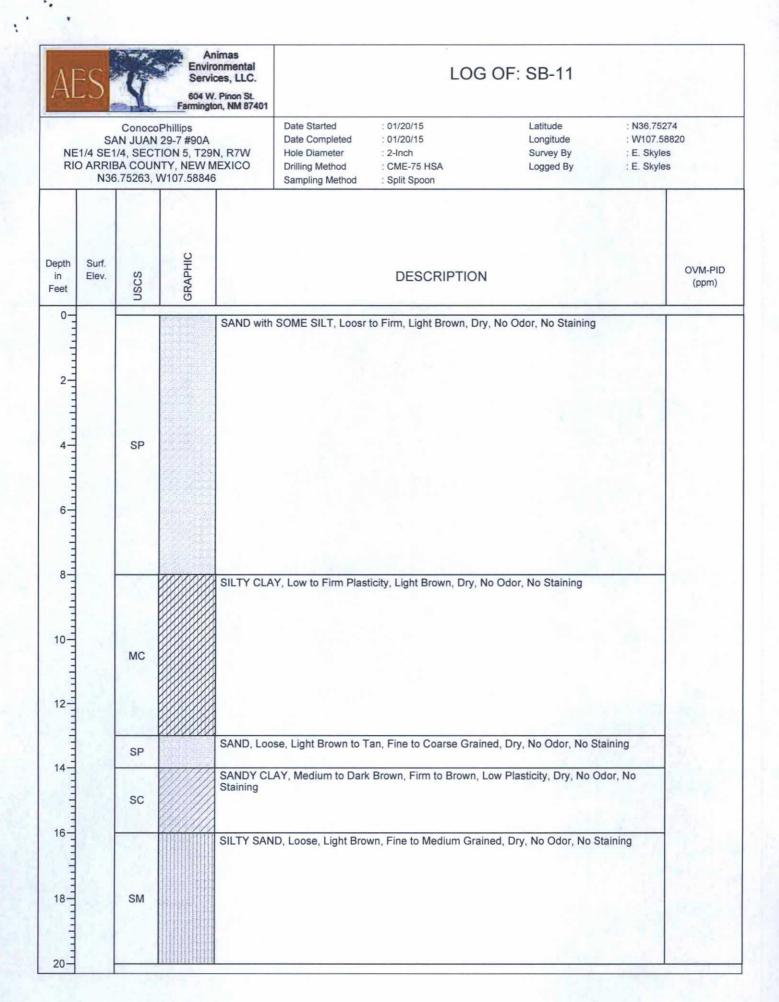


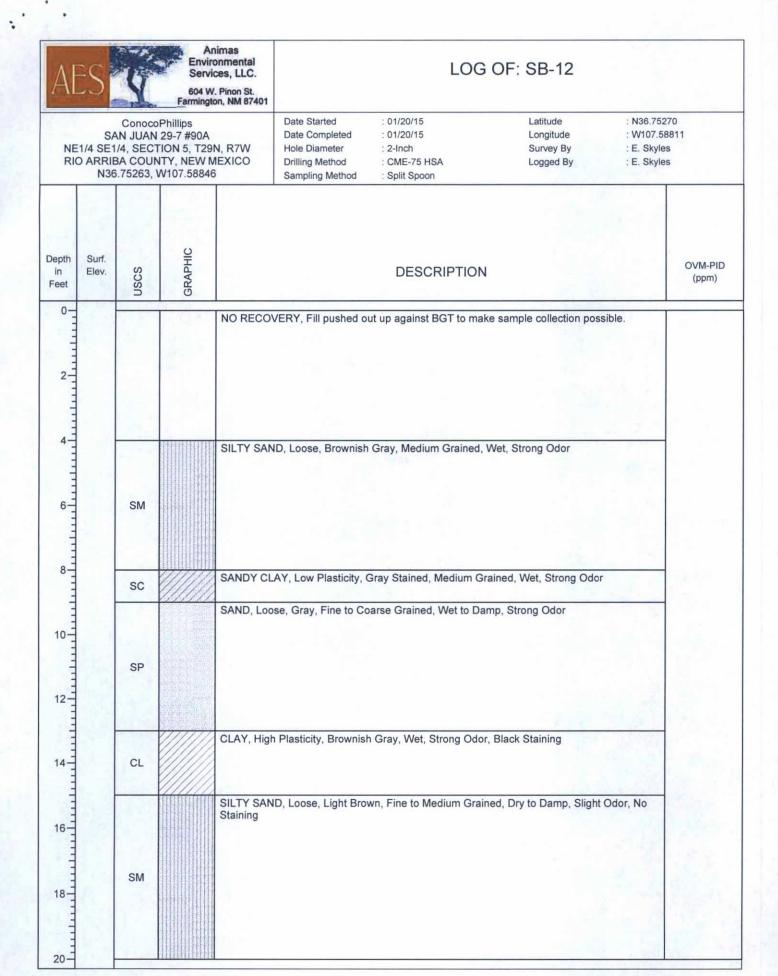














LOG OF: SB-13

ConocoPhillips SAN JUAN 29-7 #90A NE1/4 SE1/4, SECTION 5, T29N, R7W RIO ARRIBA COUNTY, NEW MEXICO N36.75263, W107.58846 Date Started : 01/20/15
Date Completed : 01/20/15
Hole Diameter : 2-Inch
Drilling Method : CME-75 HSA

Longitude Survey By Logged By

Latitude

: N36.75268 : W107.58812 : E. Skyles

NTY, NEW MEXICO Drilling Method Sampling Method

: Split Spoon

ed By : E. Skyles

Depth in	Surf. Elev.	S	GRAPHIC	DESCRIPTION	OVM-PII
Feet		uscs	GRA		(ppm)
0-		SP		SAND, Loose, Light Brown to Tan, Fine to Coarse Grained, Dry, No Odor, No Staining	
4-		SP		SAND LOAMY, Loose, Light Brown, Fine Grained, Dry, No Odor, No Staining	
8 10 11		SM		SILTY SAND, Loose, Light Brown, Fine to Medium Grained, Dry, No Odor, No Staining	
12-		CL		CLAY, Light Brown, High Plasticity, Dry, No Odor, No Staining	
16		SP		SAND, Loose, Fine to Coarse Grained, Light Brown, Dry, No Odor, No Staining	
18		MC		SILTY CLAY LOAMY, Loose to Firm, Light Brown, Dry, No Odor, No Staining	
=		SP	MAXXXXX	SAND, Light Brown, Loose, Fine to Medium Grained, Dry, No Odor, No Staining	

# **AES Field Sampling Report**



Client: ConocoPhillips

Project Location: San Juan 29-7 #90A

Date: 12/15/2014

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials	
SB-1 @ 6'	12/15/2014	11:35	3,834	>2,500	12:24	20.0	1	EMS	
SB-1 @ 7'	12/15/2014	11:39	3,580	>2,500	12:29	20.0	1	EMS	
SB-1 @ 9'	12/15/2014	12:25	3,507	Not Analyzed for TPH					
SB-1 @ 11'	12/15/2014	12:51	3,956	>2,500	13:41	20.0	1	EMS	
SB-1 @ 13'	12/15/2014	13:40	3,415	>2,500	14:31	20.0	1	EMS	
SB-2 @ 6'	12/15/2014	11:45	3,032	Not Analyzed for TPH					
SB-2 @ 7'	12/15/2014	11:50	2,560	>2,500	12:42	20.0	1	EMS	
SB-3 @ 6'	12/15/2014	14:20	3,151		Not A	Analyzed for TF	PH	1.50	
SB-3 @ 7'	12/15/2014	14:10	3,285	>2,500	14:59	20.0	1	EMS	
SB-4 @ 7'	12/15/2014	14:32	3.4	17.1	15:22	20.0	1	EMS	
SB-4 @ 9'	12/15/2014	14:40	1.4	3.4	15:31	20.0	1	EMS	
SB-5 @ 7'	12/15/2014	14:50	0.5	Not Analyzed for TPH					
SB-5 @ 9'	12/15/2014	14:54	0.7	24.0	15:45	20.0	1	EMS	
SB-6 @ 7'	12/15/2014	15:15	0.4	Not Analyzed for TPH					

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-6@9'	12/15/2014	15:26	0.3	18.5	15:16	20.0	1	EMS
SB-7 @ 7'	12/15/2014	15:56	1.0	14 P	Not A	Analyzed for TR	РН	
SB-7 @ 9'	12/15/2014	16:04	0.6	Not Analyzed for TPH				
SB-7 @ 10'	12/15/2014	16:10	90.6	>2,500	16:32	20.0	1	EMS

DF

**Dilution Factor** 

NA

Not Analyzed

PQL

Practical Quantitation Limit

\*Field TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: Sinh ShL

Report Finalized: 12/15/14

# **AES Field Sampling Report**



Client: ConocoPhillips

Project Location: San Juan 29-7 #90A

Date: 1/20/2015

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials		
SB-8 @ 4'	1/20/2015	10:50	0.0	Not Analyzed for TPH						
SB-8 @ 8'	1/20/2015	10:55	0.0	19.3	13:57	20.0	1	EMS		
SB-8 @ 12'	1/20/2015	11:00	0.0	Not Analyzed for TPH						
SB-8 @ 16'	1/20/2015	11:12	0.0	2.0	11:42	20.0	1	EMS		
SB-9 @ 4'	1/20/2015	11:37	0.0	Not Analyzed for TPH						
SB-9 @ 8'	1/20/2015	11:42	0.0	2.0	13:32	20.0	1	EMS		
SB-9 @ 12'	1/20/2015	11:47	1.5	>2,500	12:27	20.0	1	EMS		
SB-9 @ 16'	1/20/2015	11:52	10.1	189	13:36	20.0	1	EMS		
SB-9 @ 20'	1/20/2015	11:57	0.0	24.7	13:06	20.0	1	EMS		
SB-9 @ 24'	1/20/2015	12:02	0.0	22.0	12:55	20.0	1	EMS		
SB-10 @ 4'	1/20/2015	12:45	0.0	Not Analyzed for TPH						
SB-10 @ 8'	1/20/2015	12:47	0.0	Not Analyzed for TPH						
SB-10 @ 12'	1/20/2015	12:52	0.0	54.0	14:34	20.0	1	EMS		
SB-10 @ 16	1/20/2015	12:57	0.0	Not Analyzed for TPH						

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials	
SB-10 @ 20'	1/20/2015	13:02	0.0		Not A	Analyzed for TF	РН		
SB-11 @ 4'	1/20/2015	13:32	0.0		Not A	Analyzed for TF	PH		
SB-11 @ 8'	1/20/2015	13:37	0.0	Not Analyzed for TPH					
SB-11 @ 12	1/20/2015	13:42	0.0	14.0	1	EMS			
SB-11 @ 16	1/20/2015	13:47	0.0	Not Analyzed for TPH					
SB-11 @ 20'	1/20/2015	NA	NA	1000	Not A	Analyzed for TF	РН		
SB-12 @ 8'	1/20/2015	14:15	3,584	EALLY P	Not A	Analyzed for TR	PH	10	
SB-12 @ 12	1/20/2015	14:19	3,120	>2,500	15:34	20.0	1	EMS	
SB-12 @ 15	1/20/2015	14:25	627	504	15:28	20.0	1	EMS	
SB-12 @ 16	1/20/2015	14:31	13.1	10.0	14:43	20.0	1	EMS	
SB-12 @ 20'	1/20/2015	14:36	3.6	7.3	14:47	20.0	1	EMS	
SB-13 @ 4'	1/20/2015	NA	NA		Not A	Analyzed for TF	PH	7.7	
SB-13 @ 8'	1/20/2015	15:05	0.5		Not A	Analyzed for TF	РН		
SB-13 @ 12	1/20/2015	15:10	0.2	12.6 15:43 20.0 1					
SB-13 @ 16	1/20/2015	15:16	0.0	Not Analyzed for TPH					
SB-13 @ 20	1/20/2015	15:22	0.3	Not Analyzed for TPH					

DF

**Dilution Factor** 

NA

Not Analyzed

PQL

Practical Quantitation Limit

\*Field TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: Sinh ShL

Page 2 Report Finalized: 1/20/15

# **AES Field Sampling Report**



Client: ConocoPhillips

Project Location: San Juan 29-7 #90A

Date: 3/24/2015

Matrix: Soil

Sample ID	Collection Date	Collection Time	Sample Location	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-1	3/24/2015	12:50	North Wall	2.7	54.4	13:09	20.0	1	EMS
SC-2	3/24/2015	11:40	South Wall	0.0	26.9	11:54	20.0	1	EMS
SC-3	3/24/2015	10:23	East Wall	4.6	28.2	11:25	20.0	1	EMS
SC-4	3/24/2015	11:50	West Wall	0.1	1.9	11:57	20.0	1	EMS
SC-5	3/24/2015	10:11	Base	41.0	49.2	11:18	20.0	1	EMS

DF

**Dilution Factor** 

NA

Not Analyzed

PQL

Practical Quantitation Limit

\*TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:

Sinh ShL

Page 1 Report Finalized: 3/24/15



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

December 17, 2014

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

FAX

RE: COP SJ 29-7 #90A

OrderNo.: 1412701

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 3 sample(s) on 12/16/2014 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 <a href="www.hallenvironmental.com">www.hallenvironmental.com</a> 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 Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

### **Analytical Report**

Lab Order 1412701

Date Reported: 12/17/2014

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SB-4@9'

Project: COP SJ 29-7 #90A

Collection Date: 12/15/2014 2:40:00 PM

Lab ID: 1412701-001

Matrix: MEOH (SOIL) Received Date: 12/16/2014 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Analys	t: JME
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	12/16/2014 9:41:21 Al	M 16843
Surr: DNOP	76.1	63.5-128	%REC	1	12/16/2014 9:41:21 Al	N 16843
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.4	mg/Kg	1	12/16/2014 11:03:28 A	M 16827
Surr: BFB	90.4	80-120	%REC	1	12/16/2014 11:03:28	M 16827
<b>EPA METHOD 8021B: VOLATILES</b>					Analys	t: NSB
Benzene	ND	0.044	mg/Kg	1	12/16/2014 11:03:28 A	M 16827
Toluene	ND	0.044	mg/Kg	1	12/16/2014 11:03:28 A	M 16827
Ethylbenzene	ND	0.044	mg/Kg	1	12/16/2014 11:03:28 A	M 16827
Xylenes, Total	ND	0.088	mg/Kg	1	12/16/2014 11:03:28 A	M 16827
Surr: 4-Bromofluorobenzene	95.7	80-120	%REC	1	12/16/2014 11:03:28 A	M 16827

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

#### Qualifiers:

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

Page 1 of 6

- P Sample pH greater than 2.
- RL Reporting Detection Limit

### Analytical Report

Lab Order 1412701

Date Reported: 12/17/2014

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Client Sample ID: SB-5@9'

 Project:
 COP SJ 29-7 #90A
 Collection Date: 12/15/2014 2:54:00 PM

 Lab ID:
 1412701-002
 Matrix: MEOH (SOIL)
 Received Date: 12/16/2014 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) 10 mg/Kg 12/16/2014 10:02:46 AM 16843 Surr: DNOP %REC 12/16/2014 10:02:46 AM 16843 74.6 63.5-128 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND mg/Kg 12/16/2014 11:32:07 AM 16827 5.4 %REC 12/16/2014 11:32:07 AM 16827 Surr: BFB 90.0 80-120 **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene 0.054 mg/Kg 12/16/2014 11:32:07 AM 16827 ND Toluene ND 0.054 mg/Kg 12/16/2014 11:32:07 AM 16827 12/16/2014 11:32:07 AM 16827 Ethylbenzene ND 0.054 mg/Kg Xylenes, Total ND 0.11 mg/Kg 12/16/2014 11:32:07 AM 16827 %REC 12/16/2014 11:32:07 AM 16827 Surr: 4-Bromofluorobenzene 94.6 80-120

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

#### Qualifiers:

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

Page 2 of 6

- P Sample pH greater than 2.
- RL Reporting Detection Limit

### **Analytical Report**

Lab Order 1412701

Date Reported: 12/17/2014

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SB-6@9'

Project: COP SJ 29-7 #90A

Collection Date: 12/15/2014 3:26:00 PM

Lab ID: 1412701-003

Matrix: MEOH (SOIL) Received Date: 12/16/2014 8:00:00 AM

EPA METHOD 8015D: DIESEL RANGE ORGANICS Diesel Range Organics (DRO) ND 10 mg/l	Analyst: JME
Diesel Range Organics (DRO) ND 10 mg/l	
Diodor Hange Organico (Di Co)	g/Kg 1 12/16/2014 10:24:02 AM 16843
Surr: DNOP 81.5 63.5-128 %RE	REC 1 12/16/2014 10:24:02 AM 16843
EPA METHOD 8015D: GASOLINE RANGE	Analyst: NSB
Gasoline Range Organics (GRO) ND 4.2 mg/l	g/Kg 1 12/16/2014 12:00:45 PM 16827
Surr: BFB 88.9 80-120 %R6	REC 1 12/16/2014 12:00:45 PM 16827
EPA METHOD 8021B: VOLATILES	Analyst: NSB
Benzene ND 0.042 mg/l	g/Kg 1 12/16/2014 12:00:45 PM 16827
Toluene ND 0.042 mg/l	g/Kg 1 12/16/2014 12:00:45 PM 16827
Ethylbenzene ND 0.042 mg/l	g/Kg 1 12/16/2014 12:00:45 PM 16827
Xylenes, Total ND 0.083 mg/l	g/Kg 1 12/16/2014 12:00:45 PM 16827
Surr: 4-Bromofluorobenzene 95.5 80-120 %RE	REC 1 12/16/2014 12:00:45 PM 16827

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

### Qualifiers:

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

Page 3 of 6

- P Sample pH greater than 2.
- RL Reporting Detection Limit

# **QC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#: 1412701

17-Dec-14

Client:

Animas Environmental

COP ST 20-7 #90 A

Project: COP S.	J 29-7 #90A								
Sample ID MB-16843	SampType: M	TestCode: EPA Method 8015D: Diesel Range Organics							
Client ID: PBS	Batch ID: 16843  Analysis Date: 12/16/2014		RunNo: 23159						
Prep Date: 12/16/2014			SeqNo: 684051			Units: mg/Kg			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 10	)							
Surr: DNOP	7.4	10.00		73.9	63.5	128			400
Sample ID LCS-16843	SampType: Lo	TestCode: EPA Method 8015D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 16843		RunNo: 23159						
Prep Date: 12/16/2014	Analysis Date: 12/16/2014		SeqNo: 684052		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	98.2	68.6	130			
Surr: DNOP	4.3	5.000		85.1	63.5	128			

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range E
- Analyte detected below quantitation limits
- RSD is greater than RSDlimit 0
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Sample pH greater than 2.
- Reporting Detection Limit

Page 4 of 6

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1412701

17-Dec-14

Client:

Animas Environmental

Project:

Analyte

COP SJ 29-7 #90A

Sample ID MB-16827

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

PBS

Batch ID: 16827

RunNo: 23167

Prep Date: 12/15/2014

Analysis Date: 12/16/2014

SeqNo: 684613

Units: mg/Kg

%RPD

%RPD

HighLimit

**RPDLimit** 

Qual

Gasoline Range Organics (GRO)

Result PQL ND

87.6

80 120

Surr: BFB

SampType: LCS

1000

SPK value SPK Ref Val

SPK value SPK Ref Val %REC

TestCode: EPA Method 8015D: Gasoline Range

Sample ID LCS-16827

Client ID: LCSS

Batch ID: 16827

RunNo: 23167

LowLimit

LowLimit

Prep Date: 12/15/2014

Analysis Date: 12/16/2014

SegNo: 684614 %REC

Units: mg/Kg

HighLimit

**RPDLimit** 

Gasoline Range Organics (GRO)

PQL Result

25.00

82.8 99.3

65.8

139

Qual

Surr: BFB

21 990

880

120

5.0 1000 80

#### Qualifiers:

- Value above quantitation range E
- Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Value exceeds Maximum Contaminant Level.

Spike Recovery outside accepted recovery limits

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Sample pH greater than 2. Reporting Detection Limit

Page 5 of 6

## Hall Environmental Analysis Laboratory, Inc.

imental Analysis Laboratory, the

SampType: MBLK

Client: Animas Environmental
Project: COP SJ 29-7 #90A

Sample ID MB-16827

Client ID: PBS Batch ID: 16827 RunNo: 23167

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

TestCode: EPA Method 8021B: Volatiles

 Benzene
 ND
 0.050

 Toluene
 ND
 0.050

 Ethylbenzene
 ND
 0.050

 Xylenes, Total
 ND
 0.10

 Surr: 4-Bromofluorobenzene
 0.91
 1.000
 91.1
 80
 120

Sample ID LCS-16827 SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: 16827 RunNo: 23167

Prep Date: 12/15/2014 Analysis Date: 12/16/2014 SeqNo: 684633 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Benzene 0.91 0.050 1.000 0 90.9 80 120 0.88 0.050 1.000 0 87.8 80 120 Toluene 120 Ethylbenzene 0.91 0.050 1.000 0 91.5 80 3.000 0 90.7 80 120 Xylenes, Total 2.7 0.10 Surr: 4-Bromofluorobenzene 1.000 104 80 120 1.0

#### 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 greater than 2.
- RL Reporting Detection Limit

Page 6 of 6

WO#:

1412701

17-Dec-14



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

# Sample Log-In Check List

Client Name: Animas Environmental Work Order Number	r: 1412701		RcptNo: 1
Received by/date: 12/14/14			
Logged By: Ashley Gallegos 12/16/2014 8:00:00 A	M	A	
Completed By: Ashley Gallegos 12/18/2014 8:31:00 A	AM	Aj	
Reviewed By: TO 12/16/2014		Q	
Chain of Custody			
Custody seals intact on sample bottles?	Yes [.]	No 🗆	Not Present
Is Chain of Custody complete?	Yes 🗹	No 🗆	Not Present [
3. How was the sample delivered?	Courier		
3. How was the sample delivered?	OVATION		
Log In			
4. Was an attempt made to cool the samples?	Yes 🛃	No []	NA []
5. Were all samples received at a temperature 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 test(s)?	Yes 🗹	No []	
8. Are samples (except VOA and ONG) properly preserved?	Yes 🖈	No 🗌	
9. Was preservative added to bottles?	Yes 🗌	No 🖈	NA 🗆
10. VOA vials have zero headspace?	Yes []	No 🗆	No VOA Vials
11. Were any sample containers received broken?	Yes 🗆	No 🌌	
TI. Wood and Sample Sam			# of preserved bottles checked
12. Does paperwork match bottle labels?	Yes 🗹	No 🗌	for pH: (<2 or >12 unless noted)
(Note discrepancies on chain of custody)	Yes 🗹	No [.]	Adjusted?
13. Are matrices correctly identified on Chain of Custody? 14. Is it clear what analyses were requested?	Yes 🖈	No 🗔	
15. Were all holding times able to be met?	Yes 🗹	No 🗆	Checked by:
(If no, notify customer for authorization.)			
Special Handling (if applicable)	[7	🗆	NA 🖃
16. Was client notified of all discrepancies with this order?	Yes 🗌	No 🗆	NA #3
Person Notified: Date	3		
By Whom: Via:	[] eMail []	Phone [ ] Fax	in Person
Regarding:	tina an antal and a label desired the second of the second		northway manufall (Alberta) with an employed (Alberta)
Client Instructions:			
17. Additional remarks:			
18. Cooler Information	notes I	Claved Du	
Cooler No Temp °C Condition Seal Intact Seal No 1 1.0 Good Yes	Seal Date	Signed By	
1.0			

Ollent:	Address	Environ 604 W	stody Record wutal Services Pinon	□ Standard Project Name CoP S J Project #:	Rush	Some Day		T. MALE		AN	w.ha NE -	llenv Alb	rironi ouque	menterque	tal.co	om M 87 4107				
none a		-564-	CC81	Project Mana	ger:	7 m		(A)	<b>1</b>			mary	/sis	Keq	uest					
XStan	Package: dard		□ Level 4 (Full Validation)	E.S	kyles		's (8021)	TPH (Gas only)	D) Call		IMS)		S"Oc	PCB's						
Accredi	tation	□ Other		Sampler: E-	Skyles/D	Davis	物	+ TPH (	3 CORD	18.1)	8270 S		3,NO2,I	1 8082		A)				(N)
□ EDD	(Type)_			Sample Tem	perature:	1.0	4	TBE	30	4 bo	10 or	etals	ON'IC	cides	(A)	1-70				SC
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX + M	BTEX + MTBE	TPH 8015B (GR)	TPH (Method 418.1) EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F.CI,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)				Air Bubbles (Y or N)
2/15	14:40	Snil	5B-4c9'	1-402 Mark	MeON	-001	V		X	F		-		w	ω.	w.		+	$\Box$	4
12/15	14:54	Sni	SB-50 191	14024	cod most	-002	X		X											
12/15	15:26	Snil	sb-6e 9'	1-400 Mest	und worl	-003	X		X											
									0 11					0	631					
Date: Plane:	Time: P:46 Time: 850	Relinquishe Relinquishe	t-h	Received by:	ALL Corrected laboratories	Date Time 12/15/14/17/14   Date Time   12/16/14   0800   In this serves as notice of the	m	KEM.	7								MA P		Nel:	SM



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

December 23, 2014

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

FAX

RE: CoP SJ 29-7 #90A OrderNo.: 1412896

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/18/2014 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 <a href="www.hallenvironmental.com">www.hallenvironmental.com</a> 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 Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1412896

Date Reported: 12/23/2014

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SB-1 @ 8'

Project: CoP SJ 29-7 #90A

Collection Date: 12/15/2014 1:40:00 PM

Lab ID: 1412896-001

Matrix: MEOH (SOIL) Received Date: 12/18/2014 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS					Analyst:	BCN
Diesel Range Organics (DRO)	1300	100		mg/Kg	10	12/18/2014 12:10:45 PM	16898
Surr: DNOP	0	63.5-128	S	%REC	10	12/18/2014 12:10:45 PM	16898
EPA METHOD 8015D: GASOLINE RAI	NGE					Analyst:	NSB
Gasoline Range Organics (GRO)	710	79		mg/Kg	20	12/18/2014 11:45:48 AM	R23228
Surr: BFB	182	80-120	S	%REC	20	12/18/2014 11:45:48 AM	R23228
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst:	NSB
Benzene	0.49	0.39		mg/Kg	20	12/18/2014 11:45:48 AM	R23228
Toluene	9.3	0.79		mg/Kg	20	12/18/2014 11:45:48 AM	R23228
Ethylbenzene	5.9	0.79		mg/Kg	20	12/18/2014 11:45:48 AM	R23228
Xylenes, Total	77	1.6		mg/Kg	20	12/18/2014 11:45:48 AM	R23228
Surr: 4-Bromofluorobenzene	120	80-120		%REC	20	12/18/2014 11:45:48 AM	R23228

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

### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit D.
- P Sample pH greater than 2. RL Reporting Detection Limit
- Sample pH greater than 2.

  Page 1 of 4

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1412896

23-Dec-14

Client: Animas Environmental
Project: CoP SJ 29-7 #90A

TestCode: EPA Method 8015D: Diesel Range Organics Sample ID MB-16898 SampType: MBLK RunNo: 23210 Client ID: PBS Batch ID: 16898 Prep Date: 12/18/2014 Analysis Date: 12/18/2014 SeqNo: 685651 Units: mg/Kg %RPD **RPDLimit** Qual SPK value SPK Ref Val %REC HighLimit Analyte PQL LowLimit ND 10 Diesel Range Organics (DRO) Surr: DNOP 7.5 10.00 75.5 63.5 128

Sample ID LCS-16898 SampType: LCS TestCode: EPA Method 8015D: Diesel Range Organics Client ID: LCSS Batch ID: 16898 RunNo: 23210 Prep Date: 12/18/2014 Analysis Date: 12/18/2014 SeqNo: 685652 Units: mg/Kg %RPD **RPDLimit** SPK value SPK Ref Val %REC LowLimit HighLimit Qual PQL Analyte Result Diesel Range Organics (DRO) 10 50.00 124 68.6 130 Surr: DNOP 5.000 89.4 63.5 128 4.5

#### 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 greater than 2.
- RL Reporting Detection Limit

Page 2 of 4

## Hall Environmental Analysis Laboratory, Inc.

Client: Project:

Animas Environmental CoP SJ 29-7 #90A

Sample ID 5ML RB

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

PBS

Batch ID: R23228

RunNo: 23228

Prep Date:

Analysis Date: 12/18/2014

SeqNo: 686751 %REC

Units: mg/Kg

Analyte

Result PQL ND

SPK value SPK Ref Val

LowLimit

Qual

1412896

23-Dec-14

Gasoline Range Organics (GRO)

HighLimit

**RPDLimit** 

Surr: BFB

940

1000

93.6

80 120

WO#:

Sample ID 2.5UG GRO LCS

SampType: LCS

PQL

TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS

Batch ID: R23228

Analysis Date: 12/18/2014

RunNo: 23228 SeqNo: 686752

%REC

LowLimit

Units: mg/Kg

Qual

Analyte Gasoline Range Organics (GRO)

Prep Date:

Result

SPK value SPK Ref Val 5.0

92.4 90.0 65.8

%RPD

%RPD

**RPDLimit** 

Surr: BFB

23 900 25.00 1000

80

139 120

HighLimit

Qualifiers:

Value exceeds Maximum Contaminant Level

Value above quantitation range E

Analyte detected below quantitation limits

0 RSD is greater than RSDlimit

R RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits S

Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

P Sample pH greater than 2.

Reporting Detection Limit

Page 3 of 4

# Hall Environmental Analysis Laboratory, Inc.

WO#: 1412896

23-Dec-14

Client:

Animas Environmental

Project:

CoP SJ 29-7 #90A

Sample ID 5ML RB Client ID: PBS		Гуре: МЕ h ID: R2			tCode: E RunNo: 2		8021B: Vola			
Prep Date:	Analysis [	Date: 12	2/18/2014	8	SeqNo: 6	86791	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050						77.19		V-A
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		111	80	120			
Sample ID 100NG BTEX LCS	Samp	Гуре: LC	s	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: R2	3228	F	RunNo: 2	3228				
Prep Date:	Analysis [	Date: 12	2/18/2014		SeqNo: 6	86792	Units: mg/k	(g		
Analyto	Popult	POI	CDK welve	SDK Dof Val	2/ DEC	I and back	Highl imit	% PPD	PPDI imit	Qual

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	102	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		118	80	120			
Sample ID 1412896-001AMS	Samp	Type: MS	5	les	tCode: El	PA Method	8021B: Vola	tiles		

Sample ID 1412896-001AM	Samp	Type: MS	S	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: SB-1 @ 8'	Batc	h ID: R2	23228	F	RunNo: 2	3228				
Prep Date:	Analysis [	Date: 1	2/18/2014	5	SeqNo: 6	86798	Units: mg/k	<b>(</b> g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	17	0.79	15.75	0.4915	105	69.2	126			
Toluene	26	0.79	15.75	9.322	109	65.6	128			
Ethylbenzene	23	0.79	15.75	5.910	108	65.5	138			
Xylenes, Total	130	1.6	47.26	77.19	105	63	139			
Surr: 4-Bromofluorobenzene	20		15.75		124	80	120			S

Sample ID 1412896-001AM	SD SampT	ype: MS	SD	Tes	tiles					
Client ID: SB-1 @ 8'	Batch	n ID: R2	3228	F	RunNo: 2	3228				
Prep Date:	Analysis D	Date: 12	2/18/2014		SeqNo: 6	86799	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	17	0.79	15.75	0.4915	102	69.2	126	2.29	18.5	J. 11
Toluene	26	0.79	15.75	9.322	107	65.6	128	1.26	20.6	
Ethylbenzene	23	0.79	15.75	5.910	107	65.5	138	1.32	20.1	
Kylenes, Total	120	1.6	47.26	77.19	99.8	63	139	1.95	21.1	
Surr: 4-Bromofluorobenzene	20		15.75		125	80	120	0	0	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 greater than 2.
- RL Reporting Detection Limit

Page 4 of 4



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

# Sample Log-In Check List

Received by/date  Logged By: Ashley Gallegos 12/18/2014 8:00:00 / Completed By: Ashley Gallegos 12/18/2014 9:06:33 /		A		
		A		
Completed By: Ashley Gallegos 12/18/2014 9:06:33	AM			
B/1-		A		
Reviewed By:		0		6
Chain of Custody		•		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 samples?	Yes 🗹	No 🗆	NA 🗆	
5. Were all samples received at a temperature 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 test(s)?	Yes 🗹	No 🗆		
8. Are samples (except VOA and ONG) properly preserved?	Yes 🗹	No 🗆		
9. Was preservative added to bottles?	Yes	No 🗹	NA 🗆	
10.VOA vials have zero headspace?	Yes	No 🗆	No VOA Vials	
11. Were any sample containers received broken?	Yes	No 🗹	# of preserved	48
	_		bottles checked	
12.Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No L	for pH: (<2 or >12 unles	ss noted
13. Are 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:	
pecial Handling (if applicable)		🗖	🖬	
16. Was client notified of all discrepancies with this order?	Yes 🗆	No 🗆	NA 🗹	
Person Notified: Date:  By Whom: Via:	•	Phone  Fax	☐ In Person	
Regarding: Client Instructions:		-	-	
17. Additional remarks:		-		
18. Cooler Information				
Cooler No Temp °C Condition Seal Intact Seal No 1 1.0 Good Yes	Seal Date	Signed By		

Mailing	NIMAS E Address minato	604 1	N. Pinon 87401	□ Standard Project Name CoP SI Project #:	X Rush	ASAP Same			01 H	awki	www.	AL v.hal IE - 975	YS lenv Alb	iron	nent erque	AE al.co e, Ni 345	30 om. M 87 410	<b>R</b> J	ATO	OR	
QA/QC F	Fax#: Package:		□ Level 4 (Full Validation)	Project Mana Enilee	THE REAL PROPERTY AND ADDRESS OF THE PERTY	TOTAL PROPERTY.	(8021)	Gas only)	O HATTE			SIMS)	二 一年	1,00,00	PCB's	100	100	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 × 1 × 1		
Accredit D NEL	AP	□ Othe	01	Sampler: 85	1 00000	01.126	BE + THE	=+ TPH (Gas on	(GRO/DRO	418.1)	504.1)	or 8270 S	ls.	NO3,NO2,F	es / 8082		OA)	Sar-land			Or N)
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	II)EAL196	BTEX+MITBI	BTEX + MTBE	TPH 8015B (C	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,CI,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB	8260B (VOA)	8270 (Semi-VOA)	1	417		Air Bubbles (Y or N)
12/15/14	13:40	Smil	SB-1e8'	1-402.	cool	1412896-001	X		X					1		8	8		L. C		4
-		a	100			Control of the second							-				daye	124	17.874	they .	
- 4-1	200	7	No. of the second		4	the programme					34				dia.		- 41	-	5.1		
	E IN IT	. (				are a management	-					-				162-	1				
- P	1	-	e e e e e e e e e e e e e e e e e e e		(S) (A) (*********************************	Activities of the second				-			4. 4		ji.	V.	Carlo	i.	N N N A	-	
			y 4.1		M =	are personal	-					2		1,3	-	- 1					+
A CONTRACTOR	per turn on			15 15 15	+70% +45%	5-1	W							232		-3		-6			
100	The take	1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A Table State of the State of t		(10)	-94. 100 					4							1.0			
de la constitución	AT IN THE		Security Co.			politicas de des de la		-		91.	1	(00)	¥.	**	p=	17.5	deres	7	Mar-		
	大鬼 党	YAC AMIL	Section of the second	LE THE	H. HARLES	Contact type of the second				-1	126	1	in the	NATE NATE	147.1 10000		12.	230	1		
Dalar	Times	Dallaminh	external and the	Passind he	THE CONTRACTOR	and the same sec					i i		+	1 *		Vision I	4	17.1	1_		
Date: 2/17/14 Date: 12/17/19	838 Time:	Relinquish	LSAL	Received by:	Web	2  7  4  838  Date Time	Wo:	mark #2 PER R: \	: gai	32°	0	on.	Ph	0	s hee hien	a:2	3 y:L	inde	ay l	Dum	as



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

March 30, 2015

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

FAX

RE: CoP SJ 29-7 #90A OrderNo.: 1503B65

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 5 sample(s) on 3/25/2015 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 <a href="www.hallenvironmental.com">www.hallenvironmental.com</a> 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 Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1503B65

Date Reported: 3/30/2015

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-1

CoP SJ 29-7 #90A Project:

Collection Date: 3/24/2015 12:50:00 PM

Lab ID: 1503B65-001

Matrix: SOIL

Received Date: 3/25/2015 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst	BCN
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	3/27/2015 1:50:09 PM	18350
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	3/27/2015 1:50:09 PM	18350
Surr: DNOP	91.2	63.5-128	%REC	1	3/27/2015 1:50:09 PM	18350
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/27/2015 8:51:43 PM	18355
Surr: BFB	91.6	80-120	%REC	1	3/27/2015 8:51:43 PM	18355
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst	NSB
Benzene	ND	0.050	mg/Kg	1	3/27/2015 8:51:43 PM	18355
Toluene	ND	0.050	mg/Kg	1	3/27/2015 8:51:43 PM	18355
Ethylbenzene	ND	0.050	mg/Kg	1	3/27/2015 8:51:43 PM	18355
Xylenes, Total	ND	0.099	mg/Kg	1	3/27/2015 8:51:43 PM	18355
Surr: 4-Bromofluorobenzene	102	80-120	%REC	1	3/27/2015 8:51:43 PM	18355

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

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit

Page 1 of 9

- Sample pH Not In Range P
- RL Reporting Detection Limit

#### Lab Order 1503B65

Date Reported: 3/30/2015

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-2

Project: CoP SJ 29-7 #90A

Collection Date: 3/24/2015 11:40:00 AM

Lab ID: 1503B65-002

Matrix: SOIL

Received Date: 3/25/2015 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS			1	Analyst	BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	3/27/2015 2:11:37 PM	18350
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	3/27/2015 2:11:37 PM	18350
Surr: DNOP	94.3	63.5-128	%REC	1	3/27/2015 2:11:37 PM	18350
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/27/2015 10:17:39 PM	18355
Surr: BFB	91.1	80-120	%REC	1	3/27/2015 10:17:39 PM	18355
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst:	NSB
Benzene	ND	0.048	mg/Kg	1	3/27/2015 10:17:39 PM	18355
Toluene	ND	0.048	mg/Kg	1	3/27/2015 10:17:39 PM	18355
Ethylbenzene	ND	0.048	mg/Kg	1	3/27/2015 10:17:39 PM	18355
Xylenes, Total	ND	0.096	mg/Kg	1	3/27/2015 10:17:39 PM	18355
Surr: 4-Bromofluorobenzene	103	80-120	%REC	1	3/27/2015 10:17:39 PM	18355

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

#### Qualifiers:

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

Page 2 of 9

- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order 1503B65

Date Reported: 3/30/2015

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: CoP SJ 29-7 #90A

Lab ID: 1503B65-003

Client Sample ID: SC-3

Collection Date: 3/24/2015 10:23:00 AM

Received Date: 3/25/2015 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst	BCN
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	3/27/2015 2:33:04 PM	18350
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/27/2015 2:33:04 PM	18350
Surr: DNOP	88.1	63.5-128	%REC	1	3/27/2015 2:33:04 PM	18350
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/27/2015 11:43:49 PM	18355
Surr: BFB	91.6	80-120	%REC	1	3/27/2015 11:43:49 PM	18355
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.047	mg/Kg	1	3/27/2015 11:43:49 PM	18355
Toluene	ND	0.047	mg/Kg	1	3/27/2015 11:43:49 PM	18355
Ethylbenzene	ND	0.047	mg/Kg	1	3/27/2015 11:43:49 PM	18355
Xylenes, Total	ND	0.094	mg/Kg	1	3/27/2015 11:43:49 PM	18355
Surr: 4-Bromofluorobenzene	104	80-120	%REC	1	3/27/2015 11:43:49 PM	18355

Matrix: SOIL

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

#### Qualifiers:

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

Page 3 of 9

- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order 1503B65

Date Reported: 3/30/2015

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: CoP SJ 29-7 #90A

Lab ID: 15

1503B65-004

Client Sample ID: SC-4

Collection Date: 3/24/2015 11:50:00 AM

Received Date: 3/25/2015 7:55:00 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 2:54:33 PM	18350
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	3/27/2015 2:54:33 PM	18350
Surr: DNOP	95.4	63.5-128	%REC	1	3/27/2015 2:54:33 PM	18350
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/28/2015 12:12:30 AM	18355
Surr: BFB	91.2	80-120	%REC	1	3/28/2015 12:12:30 AM	18355
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.048	mg/Kg	1	3/28/2015 12:12:30 AM	18355
Toluene	ND	0.048	mg/Kg	1	3/28/2015 12:12:30 AM	18355
Ethylbenzene	ND	0.048	mg/Kg	1	3/28/2015 12:12:30 AM	18355
Xylenes, Total	ND	0.096	mg/Kg	1	3/28/2015 12:12:30 AM	18355
Surr: 4-Bromofluorobenzene	103	80-120	%REC	1	3/28/2015 12:12:30 AM	18355

Matrix: SOIL

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

#### Qualifiers:

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

Page 4 of 9

- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order 1503B65

Date Reported: 3/30/2015

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Animas Environmental

Client Sample ID: SC-5

Project: CoP SJ 29-7 #90A

Collection Date: 3/24/2015 10:11:00 AM

Lab ID: 1503B65-005

Matrix: SOIL

Received Date: 3/25/2015 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst:	BCN
Diesel Range Organics (DRO)	11	10	mg/Kg	1	3/27/2015 3:16:02 PM	18350
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	3/27/2015 3:16:02 PM	18350
Surr: DNOP	89.0	63.5-128	%REC	1	3/27/2015 3:16:02 PM	18350
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/28/2015 12:41:10 AM	18355
Surr: BFB	92.6	80-120	%REC	1	3/28/2015 12:41:10 AM	18355
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.048	mg/Kg	1	3/28/2015 12:41:10 AM	18355
Toluene	ND	0.048	mg/Kg	1	3/28/2015 12:41:10 AM	18355
Ethylbenzene	ND	0.048	mg/Kg	1	3/28/2015 12:41:10 AM	18355
Xylenes, Total	ND	0.096	mg/Kg	1	3/28/2015 12:41:10 AM	18355
Surr: 4-Bromofluorobenzene	104	80-120	%REC	1	3/28/2015 12:41:10 AM	18355

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

### Qualifiers:

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

Page 5 of 9

- P Sample pH Not In Range
- RL Reporting Detection Limit

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1503B65

30-Mar-15

Client:

Animas Environmental

Sample ID MB-18350	SampType: MBLK	SampType: MBLK TestCode: EPA Method 8015D: Diesel Range Organics												
Client ID: PBS	Batch ID: 18350	RunNo: 25115												
Prep Date: 3/26/2015	Analysis Date: 3/27/2015	SegNo: 741755	Units: mg/Kg											
Analyte		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	93.8 63.5	128											
Sample ID LCS-18350	SampType: LCS	TestCode: EPA Method	8015D: Diesel Range (	Organics										
Client ID: LCSS	Batch ID: 18350	RunNo: 25115												
Prep Date: 3/26/2015	Analysis Date: 3/27/2015	SeqNo: <b>741859</b>	Units: mg/Kg											
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual										
Diesel Range Organics (DRO)	50 10 50.00	0 100 67.8	130											
Surr: DNOP	5.00 5.000	99.6 63.5	128											
Sample ID MB-18404	SampType: MBLK	TestCode: EPA Method	8015D: Diesel Range C	Organics										
Client ID: PBS	Batch ID: 18404	RunNo: 25149												
Prep Date: 3/30/2015	Analysis Date: 3/30/2015	SeqNo: <b>743092</b>	Units: %REC											
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual										
Surr: DNOP	9.9 10.00	98.8 63.5	128											
Sample ID LCS-18404	SampType: LCS	TestCode: EPA Method	8015D: Diesel Range (	Organics										
Client ID: LCSS	Batch ID: 18404	RunNo: 25149												
Prep Date: 3/30/2015	Analysis Date: 3/30/2015	SeqNo: <b>743093</b>	Units: %REC											
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual										
Surr: DNOP	5.0 5.000	99.7 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 6 of 9

## Hall Environmental Analysis Laboratory, Inc.

WO#:

1503B65

30-Mar-15

Animas Environmental Client: CoP SJ 29-7 #90A Project: Sample ID MB-18353 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PRS Batch ID: 18353 RunNo: 25124 Prep Date: 3/26/2015 Analysis Date: 3/27/2015 SeqNo: 742094 Units: %REC **RPDLimit** SPK value SPK Ref Val %REC %RPD Qual Analyte Result PQL LowLimit HighLimit Surr: BFB 900 1000 80 120 Sample ID LCS-18353 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 18353 RunNo: 25124 Prep Date: 3/26/2015 Analysis Date: 3/27/2015 SeqNo: 742095 Units: %REC %REC Analyte Result PQL SPK value SPK Ref Val LowLimit HighLimit %RPD **RPDLimit** Qual Surr: BFB 1000 1000 102 80 120 Sample ID MB-18355 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 18355 RunNo: 25124 SegNo: 742102 Prep Date: 3/26/2015 Analysis Date: 3/27/2015 Units: mg/Kg SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result PQL Gasoline Range Organics (GRO) ND 5.0 910 1000 91.2 80 120 Surr: BFB Sample ID LCS-18355 TestCode: EPA Method 8015D: Gasoline Range SampType: LCS Client ID: LCSS Batch ID: 18355 RunNo: 25124 Prep Date: 3/26/2015 Analysis Date: 3/27/2015 SegNo: 742103 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual LowLimit Gasoline Range Organics (GRO) 24 5.0 25.00 0 97.5 64 130 Surr: BFB 990 1000 992 80 120 Sample ID 1503B65-001AMS SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: SC-1 Batch ID: 18355 RunNo: 25124 Prep Date: 3/26/2015 Analysis Date: 3/27/2015 SeqNo: 742105 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 24.75 25 5.0 0 100 47.9 Gasoline Range Organics (GRO) 144 Surr: BFB 990 990.1 100 80 120 Sample ID 1503B65-001AMSD SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: SC-1 Batch ID: 18355 RunNo: 25124 Prep Date: 3/26/2015 Analysis Date: 3/27/2015 SeqNo: 742106 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit **HighLimit** %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 25 5.0 24.78 103 47.9 144 2.23 29.9 Surr: BFB 1000 991.1 101 80 120 0 0

#### Qualifiers:

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

Page 7 of 9

- P Sample pH Not In Range
- RL Reporting Detection Limit

Client:

Project:

## Hall Environmental Analysis Laboratory, Inc.

Animas Environmental CoP SJ 29-7 #90A

Sample ID MB-18353 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS RunNo: 25124 Batch ID: 18353

Prep Date: 3/26/2015 Analysis Date: 3/27/2015 SeqNo: 742117 Units: %REC

Result PQL SPK value SPK Ref Val %REC %RPD **RPDLimit** Qual Analyte LowLimit **HighLimit** 

Surr: 4-Bromofluorobenzene 1.0 1.000 102 80 120

Sample ID LCS-18353 SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: 18353 RunNo: 25124

Prep Date: 3/26/2015 Analysis Date: 3/27/2015 SeqNo: 742118 Units: %REC

SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual

1.1 1.000 108 80 120 Surr: 4-Bromofluorobenzene

TestCode: EPA Method 8021B: Volatiles Sample ID MB-18355 SampType: MBLK

Client ID: PBS Batch ID: 18355 RunNo: 25124

Prep Date: 3/26/2015 Analysis Date: 3/27/2015 SegNo: 742123 Units: mg/Kg

SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Analyte Result PQL HighLimit Qual

Benzene ND 0.050 Toluene ND 0.050 Ethylbenzene ND 0.050 ND 0.10 Xylenes, Total

Surr: 4-Bromofluorobenzene 1.000 103 120 1.0 80

Sample ID LCS-18355 SampType: LCS TestCode: EPA Method 8021B: Volatiles

Batch ID: 18355 Client ID: LCSS RunNo: 25124

Prep Date: 3/26/2015 Analysis Date: 3/27/2015 SeqNo: 742124 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.1	0.050	1.000	0	110	76.6	128	771		10 7 75	
Toluene	1.1	0.050	1.000	0	106	75	124				
Ethylbenzene	1.0	0.050	1.000	0	104	79.5	126				
Xylenes, Total	3.1	0.10	3.000	0	103	78.8	124				
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120				

Sample ID 1503B65-002AMS SampType: MS TestCode: EPA Method 8021B: Volatiles

Client ID: SC-2 Batch ID: 18355 RunNo: 25124

Prep Date: 3/26/2015	Analysis Date: 3/27/2015			8	SeqNo: 7	42127	Units: mg/F	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.048	0.9643	0	116	69.2	126			
Toluene	1.1	0.048	0.9643	0.007300	110	65.6	128			
Ethylbenzene	1.1	0.048	0.9643	0	111	65.5	138			
Xylenes, Total	3.2	0.096	2.893	0	110	63	139			

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

Value above quantitation range E

Analyte detected below quantitation limits

0 RSD is greater than RSDlimit

RPD outside accepted recovery limits R

Spike Recovery outside accepted recovery limits

Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded H

Not Detected at the Reporting Limit

Sample pH Not In Range

Reporting Detection Limit

Page 8 of 9

WO#:

1503B65

30-Mar-15

## Hall Environmental Analysis Laboratory, Inc.

WO#:

1503B65

30-Mar-15

Client:

Animas Environmental

Project:

CoP SJ 29-7 #90A

Sample ID 1503B65-002AMS

SampType: MS

TestCode: EPA Method 8021B: Volatiles

Client ID:

SC-2

Batch ID: 18355

PQL

RunNo: 25124

LowLimit

80

Prep Date:

Analyte

3/26/2015

Analysis Date: 3/27/2015

Result

SeqNo: 742127

109

%REC

Units: mg/Kg

%RPD

HighLimit

**RPDLimit** 

Qual

Surr: 4-Bromofluorobenzene

Sample ID 1503B65-002AMSD

SampType: MSD

RunNo: 25124

TestCode: EPA Method 8021B: Volatiles

Client ID: SC-2

Batch ID: 18355

Pren Date: 3/26/2015

Analysis Date: 3/27/2015

SeaNo: 742128

Fiep Date. 3/20/2013	Allalysis Date. 3/2/12013				ocqivo.	42120	Office. High			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.048	0.9662	0	107	69.2	126	8.13	18.5	7
Toluene	0.98	0.048	0.9662	0.007300	100	65.6	128	8.61	20.6	
Ethylbenzene	1.0	0.048	0.9662	0	105	65.5	138	5.36	20.1	
Xylenes, Total	3.0	0.097	2.899	0	105	63	139	4.81	21.1	
Surr: 4-Bromofluorobenzene	1.1		0.9662		113	80	120	0	0	

SPK value SPK Ref Val

0.9643

#### Qualifiers:

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

Page 9 of 9



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

# Sample Log-In Check List

Client Name: Animas Environmental	Work Order Number:	1503B65		RcptNo:	
Received by/date:	03/25/15				
Logged By: Ashley Gallegos	3/25/2015 7:55:00 AM		A		
Completed By: Ashley Gallegos	3/25/2015 5:49:20 PM		A		
Reviewed By: MG	63/20/15		•		
Chain of Custody	0900/.0				
1. Custody seals intact on sample bottles?		Yes 🗌	No 🗆	Not Present	
2. Is Chain of Custody complete?		Yes 🗷	No 🗀	Not Present	
3. How was the sample delivered?		Courier			
Log In					
4. Was an attempt made to cool the samples	3?	Yes 🗹	No	NA 🗆	
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 test	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	ken?	Yes	No 🐼	# of preserved	
		_		bottles checked	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🖈	No 🗌	for pH: (<2 or	>12 unless noted
13. Are matrices correctly identified on Chain	of Custody?	Yes	No 🗆	Adjusted?	
14. Is it clear what analyses were requested?	or Gustody !	Yes 🕏	No 🗆		
15. Were all holding times able to be met?		Yes 🗹	No 🗆	Checked by:	
(If no, notify customer for authorization.)					
Special Handling (if applicable)					
16. Was client notified of all discrepancies with	h this order?	Yes 🗌	No 🗆	NA 🗷	
Person Notified:	Date	Time matter of the last the last	CALLES CONTRACTOR OF CASE		The second
By Whom:	Via: [	eMail	] Phone [ Fax	In Person	
Regarding:	THE STREET STREET, STR	CLANDO DADADO EN HIGH	PP-PRINCES TO SHE HAVE BEAUTING TO	ALICE TO CALL OF THE PARTY OF T	
Client Instructions:		The second secon		CANCEL DISPLACE AND AND SHARES	
17. Additional remarks:					
18. Cooler Information					
	Seal Intact   Seal No	Seal Date	Signed By		

Chain-of-Custody Record  Client: Animas Environmental Services  Mailing Address: 604 W. Pinon St.  Farmington NM 87401  Phone #: 505-564-2281  Phone #: 505-564-2281				Turn-Around Time:  Standard □ Rush  Project Name:  CoP ST 29-7 #90A  Project #:					HALL ENVIRONMENTAL ANALYSIS LABORATORY  www.hallenvironmental.com  4901 Hawkins NE - Albuquerque, NM 87109  Tel. 505-345-3975 Fax 505-345-4107  Analysis Request												
	Package: dard tation		□ Level 4 (Full Validation)	Project Manager:  E. Skyles  Sampler: D. Dan's  On Ice: Ø Yes   No			+ TMB's (8021)	+ TPH (Gas only)	RO / DRO / MRO)	418.1)	04.1) 8270 SIMS)		Anions (F,CI,NO <sub>3</sub> ,NO <sub>2</sub> ,PO <sub>4</sub> ,SO <sub>4</sub> )	1 8082 PCB's		A)			or N)		
Date	(Type)	Matrix	Sample Request ID	Sample Tem Container Type and #	Preservative Type	HEAL NO. 1503BUS	BTEX + WITH	BTEX + MTBE	TPH 8015B (GRO	(Method	EDB (Method 504.1)	RCRA 8 Metals	Anions (F,CI,NC	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)			Air Bubbles (Y or N)		
	12:50		SC-1	1-402.	Cool	-001	X		X												
	11:40	Snil	SC-Z	1-402.		-002	X		X												
124/15	10:23 11:50	Sal	SC-3	1-402.		-003	X		$\lambda$					1					1		
3/24/15	11:50		SC-4	1-417.	1000	-004	V		X	1								1	1		
> 24/9 10	10:11	Snl	SL-5	1-412.	<i>Y</i>	-005	X		X												
Date:   24   3   24   15	Time: 1974 Time: 1945	Relinquishe Relinquishe	De	Received by:  Received by:	Allast Exceptited laboratories	Date Time  3/24/5 192/  Date Time  72/25/15/075  as. This serves as notice of the	\$ 8	rupe	min	1-1	nike	Sim	th (	irde	red	by:	23 D2( Jem	Mar	trya		