3R-1011

Release Report/ General Correspondence

Enterprise SJ

Date: Apr-Jun 2013

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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 in accordance with 19.15.29 NMAC.

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1220 S. St. Fran	cis Dr., Sant	a Fe, NM 87505		Sa	inta Fe	e, NM 875	05				
			Rele	ease Notific	cation	and Co	orrective A	ction			• •
	_					RATOR		🗵 Initial Re	port		Final Report
		nterprise Fie				Contact Aa					
	F	venue, Farmi Hill Compre		A MARKA A A MARKA A MAR			No. (505)599-22				
			ssor Stat			гасниу гур	e Natural Gas	Compressor St			
Surface Ow	ner Priva	te		Mineral C	Owner I	Private		API	No.		
				LOCA	ATION	N OF REI	LEASE				
Unit Letter N	Section 29	Township 32N	Range 10W	Feet from the	North/	South Line	Feet from the	East/West Lin	e County San Juan		
<u> </u>		Lat		36deg57'00" 36.95000 NAT			7.90722 (De	DMMSS) ecimal Degrees)	. <u></u>	
		ubsequent Eme	ergency Sl	hut Down (ESD)		Volume of	Release 3-5 barro		e Recovered 3		ls of glycol
glycol release		ol Dehydrator		·			MCF gas (ESD) lour of Occurrence		inated soil ren d Hour of Dis		1
Source of Re	lease oryc	or Denyurator					3 @ 03:00 hours)13 @ 03:50 h		Ý
Was Immediate Notice Given?						If YES, To Whom? Monica Keuhling, NM OCD Aztec District. Other agencies notified are as follows: Sandy Spon, NMED AQB; NMED HAZMAT Coordinator Ruth Horowitz; San Juan County LEPC Paula Thomassen; NM Public Regulation Commission Date and Hour 4/14/2013 @ 08:30 hours (Notification to NM OCD, other					
By Whom? Aaron Dailey							lour 4/14/2013 @ is followed after (otification to N	IM OC	CD, other
Was a Watercourse Reached?							olume Impacting t		RCVD MAY	'28 '	13
If a Waterco	urse was In	npacted, Descr	ibe Fully. ³	*					DIL CONS DIST	5. DI 3	V.
Gas Control compressor s supervision. and dehydrat	stated comp station occu Fire depart sor. Supervi	pressor unit #3 nred due to wi ment arrived. I ision called En	was off li res shortir Enterprise terprise sa	n Taken.* Enterp ine. Enterprise en ng out on the facil employee had tai ffety and environ	nployee a ity dehy- ilgate me	arrived at from drator. Enterp seting with fir	nt gate of location prise employee se re department abo	and noticed gas cured road leadi out hazards and c	station by Ente dehydrator wang to station, c onfiguration of	erprise as on fi alled 9	ire. ESD of 11 and
Dehydrator a Glycol conta dehydrator a concrete con with a third p	and all appu minated so nd all equip tainment w party enviro	il that fell outs oment is curren ill be cleaned onmental repor	considered ide the co ntly taped and dehyd t once all	I to be lost; the in ncrete containmer off and pending f rator will be dism remedial work ha	nt berm urther in nantled a as been c	was excavate vestigation fr fter the fire in ompleted at t	d and hauled to an om fire marshal a nvestigation is con his facility.	n approved dispond and other investi mplete. A "fina"	sal facility by gative personno " c-141 will be	5/22/2 el. Are e subm	2013. The ea inside litted along
regulations a public health should their or the enviro	Il operators or the envo operations nment. In	s are required t ironment. The have failed to	o report a acceptan adequately DCD accep	e is true and comp nd/or file certain ce of a C-141 rep y investigate and ptance of a C-141	release n ort by th remediat	otifications a e NMOCD m e contaminat	nd perform correct arked as "Final R fon that pose a thr	ctive actions for eport" does not eat to ground w	releases which relieve the ope ater, surface wa	may e rator o ater, hu	endanger of liability uman health
		h					OIL CON	SERVATIC	N DIVISIO	<u>N</u>	
Signature: Printed Nam	e: Matt M	arra				Approved by	Environmental S	pecialist:	ath? k	ella	
Title: Sr. Di	rector, Env	vironmental				Approval Da	s. L. tr	3 Expirati	on Date:	đ	
E-mail Addr	ess: mema	rra@eprod.co	m			Conditions o	f Approval:		Attached	I 🗌	
Date: 5-	13-20	13 Pho	ne: (713)	381-6684							

* Attach Additional Sheets If Necessary

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State of New Mexico **Energy Minerals and Natural Resources**

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Oil Conservation Division 1220 South St. Francis Dr. ~ . -

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

Form C-141 Revised August 8, 2011

	,			Sa	anta Fe, NM 8/3	505						
	Release Notification and Corrective Action											
·					OPERATOR		Initial Repo	ort	\boxtimes	Final Report		
Name of Co	ompany E	nterprise Fie	ld Servic	es, LLC	Contact Aa	ron Dailey						
Address 61	4 Reilly A	venue, Farm	ington N	M 87401	Telephone	Telephone No. (505)599-2286						
Facility Na	me Hubba	rd LS #2 Lea	ise Comp	ressor Tank	Facility Typ	Facility Type Natural gas compressor location						
Surface Ow	mer Priva	te		······································	Owner Private	LEASE	API No).				
Unit Letter E	Section 30	Township 32N	Range 11W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan				
L	L	La	ntitude N	36deg57'32"	Longitude W108	3deg02'02" (D	DMMSS)					

NATURE OF RELEASE

		-								
Type of Release Natural gas condensate/oil, produced water, historic	Volume of Release Estimated 6	Volume Recovered TBD								
impacts	barrels, historic impacts discovered									
Source of Release Compressor scrubber tank	Date and Hour of Occurrence	Date and Hour of Discovery								
	12.11.2012 @ overnight	12.12.2012 @ 11:15 hours; historic								
	(estimated)	impacts discovered 1.10.2013 @ 12:00								
		hours								
Was Immediate Notice Given?	If YES, To Whom?	RCVD APR 26 '13								
Yes No X Not Required		OIL CONS. DIV.								
By Whom?	Date and Hour	DICT O								
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	tercourse.								
Yes 🖾 No										
If a Watercourse was Impacted, Describe Fully.*	•									
	· · · · · · · · · · · · · · · · · · ·									
Describe Cause of Problem and Remedial Action Taken.* Affected tank was discovered to have been shot with a firearm resulting i	in a puncture and release of liquids. Th	e hole was discovered approximately 3"								
from the bottom of the tank. Upon discovery, a temporary lead plug was	put into the bullet hole and vacuum tr	uck arrived on site to remove liquids from								
the tank inside of the unlined containment berm.										
Describe Area Affected and Cleanup Action Taken.*										
Soil has been impacted in the unlined containment berm. Repairs to the	tank and remediation to impacted soils	were initiated on December 18, 2012.								
Historic condensate impacts were discovered during the initial response.	A Geoprobe was deployed on January	v 17, 2013 for the continued assessment.								
Additional excavation continued in February 2013, where all contaminat	ed soil that was above OCD remediation	on standard was removed and hauled to an								
OCD permitted landfarm facility. After discussion with NM OCD, appr										
confining layer was obtained, which was subsequently applied on Februa tank was installed with a lined Polystar containment berm system. Please										
regarding the location, remediation and associated closure associated with		enve action report for speeme details								
I hereby certify that the information given above is true and complete to	the best of my knowledge and understa	and that pursuant to NMOCD rules and								
regulations all operators are required to report and/or file certain release	notifications and perform corrective ac	tions for releases which may endanger								
public health or the environment. The acceptance of a C-141 report by the	he NMOCD marked as "Final Report"	does not relieve the operator of liability								
should their operations have failed to adequately investigate and remedia	te contamination that pose a threat to g	ground water, surface water, human health								
or the environment. In addition, NMOCD acceptance of a C-141 report	does not relieve the operator of respon-	sibility for compliance with any other								
federal, state, or local laws and/or regulations.										
	OIL CONSERV	VATION DIVISION								
Signature:		\wedge \parallel \wedge \mid \mid								
Printed Name: Matt Marra	Approved by Environmental Speciali	a battle l'aller								
	Approved by Environmental Special	St. DVENUV MARY								
Title: Senior Director, Environmental	Approval Date: 1/8/203	Expiration Date:								
E-mail Address: memarra@eprod.com	Conditions of Approval:	Attached								
Date: 4-22-2013 Phone: (713)381-6684	0100	1.05/0/1								
* Attach Additional Sheets If Necessary	nSK133	31254741								



Animas Environmental Services, LLC

www.animasenvironmental.com

April 5, 2013

Aaron Dailey Enterprise Field Services, LLC 614 Reilly Avenue Farmington, New Mexico 87401 624 E. Comanche Farmington, NM 87401 505-564-2281

> Durango, Colorado 970-403-3084

RE:Release Assessment ReportRCVD APR 26 '13SJG 200A Tank/Hubbard LS #2 January 2013 Release LocationOIL CONS. DIV.SW¼ NW¼, Section 30, T30N, R11W, San Juan County, New MexicoDIST. 3San Juan County, New MexicoSan Juan County, New Mexico

Dear Mr. Dailey:

On January 9, 10, 17, and February 11, 2013, Animas Environmental Services, LLC (AES) completed assessments and an environmental clearance of the final excavation limits associated with an approximately 6 barrel (bbl) release of condensate from a bullet hole in the Enterprise Field Services, LLC (Enterprise) SJG 200A condensate tank at the ConocoPhillips Hubbard LS #2 located approximately 9 miles north of Aztec, San Juan County, New Mexico. During the initial excavation of the condensate impacted soil, a historical release was discovered beneath the condensate tank location.

1.0 Site Information

1.1 Location

Location - SW¼ NW¼, Section 30, T32N, R11W, San Juan County, New Mexico Latitude/Longitude - N36.95932 and W108.03455, respectively Surface Owner – Private Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map, January 2013

1.2 NMOCD Ranking

In accordance with the New Mexico Oil Conservation Division (NMOCD) *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), the release location was assigned a ranking score to establish release action levels. The ranking score was obtained in part by reviewing available records of nearby oil/gas wells using the NMOCD online database; however, no prior ranking information was found. The New Mexico Office of the State Engineer (NMOSE) database was reviewed for nearby water wells, and no registered water wells were reported to be located within 1,000 feet of the along with two composite samples (North Base Composite and South Base Composite) collected from the historical contamination in the base of the initial excavation were submitted for laboratory analysis.

2.2 Confirmation Sampling

On February 11, 2013, six 5-point and three 3-point composite soil samples (SC-7 through SC-15) were collected from the walls and base of the final excavation. All soil samples were field screened for VOCs, and selected samples were also analyzed for total petroleum hydrocarbons (TPH). Three samples (SC-7, SC-9, and SC-11) were also submitted for laboratory analysis.

2.3 Field Screening

2.3.1 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.

2.3.2 Total Petroleum Hydrocarbons

Field TPH samples were analyzed per 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.

2.4 Laboratory Analyses

Soil samples collected for laboratory analysis and 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. Soil samples were laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8021B; and
- Total petroleum hydrocarbons (TPH) for gasoline range organics (GRO) and diesel range organics (DRO) per USEPA Method 8015B.

Note that sample SC-7 was laboratory analyzed for BTEX per USEPA Method 8021B only.

Aaron Dailey SJG 200A Tank/Hubbard LS #2 January 2013 Release Assessment Report April 5, 2013 Page 5 of 8

ate D apled (fi ion Level* 0	Pepth vi t bgs)		Field TPH (mg/kg)
0		100	
0			1,000
7/17) to 1	10.5	NA
7/13 — 1	. to 3	53.4	NA
1/13 1	. to 3	750	198
1/13 1	. to 6	21.3	21.4
1/13	8 >	10,000	NA
1/13 1	. to 6	40.2	68.7
1/13	8 >	10,000	NA
1/13 1	. to 8	32.1	61.2
1/13 1	. to 3	33.1	<20.0
1/13 0	5 to 3	29.3	<20.0
1,15 0.			
	1/13 1 1/13 1 1/13 1 1/13 1	1/13 1 to 6 1/13 8 1/13 1 to 8 1/13 1 to 3	1/13 1 to 6 40.2 1/13 8 >10,000 1/13 1 to 8 32.1 1/13 1 to 3 33.1

NA – not analyzed

*Action level determined by the NMOCD ranking score per NMOCD Guidelines for Leaks, Spills, and Releases (August 1993)

3.2 Laboratory Analytical Results

On January 10 and 17, 2013, initial and continued assessment laboratory analytical results from SC-1 through SC-6 and the North and South Base Composites showed that benzene was below laboratory detection limits ranging from 0.050 mg/kg to 1.2 mg/kg in each sample. Total BTEX concentrations ranged from below laboratory detection limits of 0.25 mg/kg up to 259 mg/kg in SC-6. TPH concentrations (as GRO/DRO) ranged from below laboratory detection limits of 15 mg/kg in SC-3 up to 8,500 mg/kg in SC-6.

On February 11, 2013, confirmation sampling laboratory analytical results from SC-7, SC-9, and SC-11 showed that benzene was below laboratory detection limits ranging from 0.050 mg/kg to 1.2 mg/kg. Total BTEX concentrations ranged from 0.22 mg/kg in SC-7 up to 43 mg/kg in SC-11. TPH concentrations ranged from 1,520 mg/kg in SC-9 up to 1,640 mg/kg in SC-11. Laboratory analytical results are included in Table 2 and on Figures 3 and 4. Laboratory analytical reports are attached.

On February 11, 2013, AES returned to the location to assist Enterprise contractors with excavation guidance and to collect and field screen confirmation samples of the final excavation limits. Field screening of composite samples collected from the walls and base of the excavation showed that VOC and TPH concentrations were below NMOCD action levels in all the samples (SC-7 through SC-15) except VOC concentrations for wall sample SC-7 (750 ppm) and base samples SC-9 and SC-11 (greater than 10,000 ppm). Laboratory analysis of these samples showed that benzene and total BTEX concentrations were below NMOCD action levels, however, TPH concentrations exceeded the NMOCD action level of 1,000 mg/kg with 1,520 mg/kg in SC-9 and 1,640 mg/kg in SC-11. The base of the excavation was terminated on competent sandstone at depths ranging from approximately 2 to 10.5 feet bgs.

Aaron Dailey of Enterprise received approval from Brandon Powell of NMOCD on February 12, 2013, for the application of potassium permanganate to the base of the excavation and subsequent backfilling of the excavation. Envirotech mobilized to the location on February 13, 2013, and completed the application of potassium permanganate to the base of the excavation.

Based on field observations, field screening and laboratory analytical results for benzene, total BTEX, and TPH, along with the completed application of potassium permanganate to the base of the excavation and NMOCD approval to backfill, no further work is recommended for the SJG 200A Tank/Hubbard LS #2 release area

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

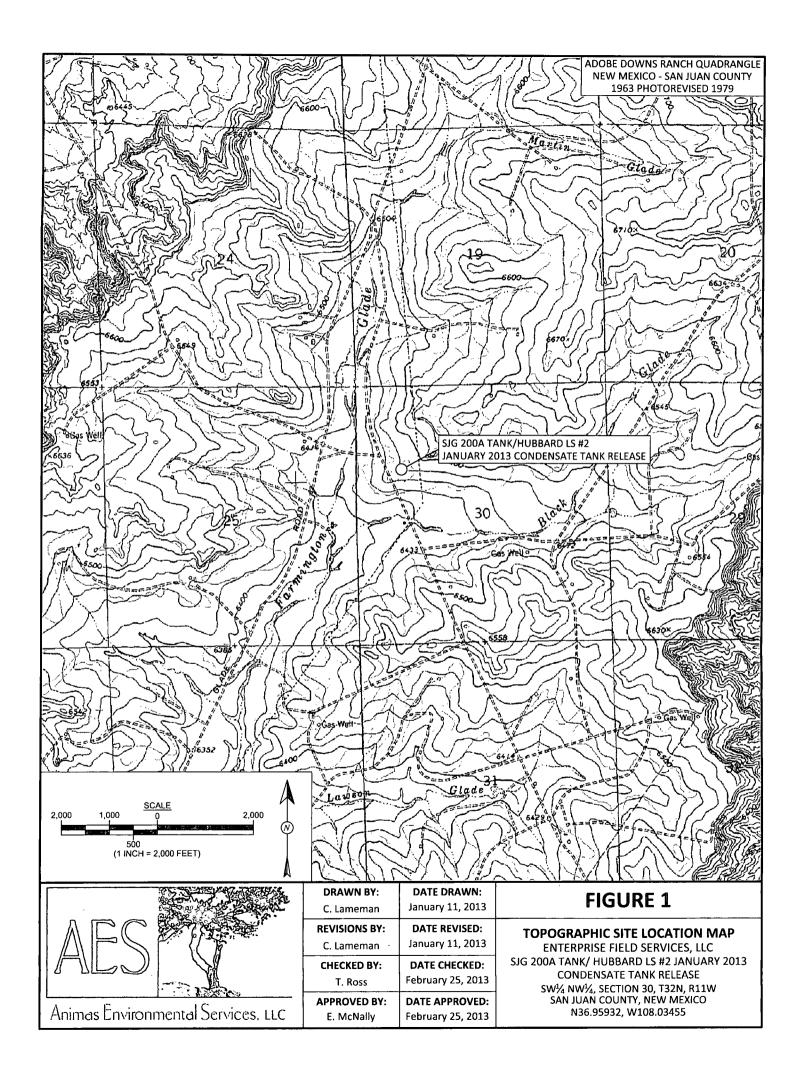
Sincerely,

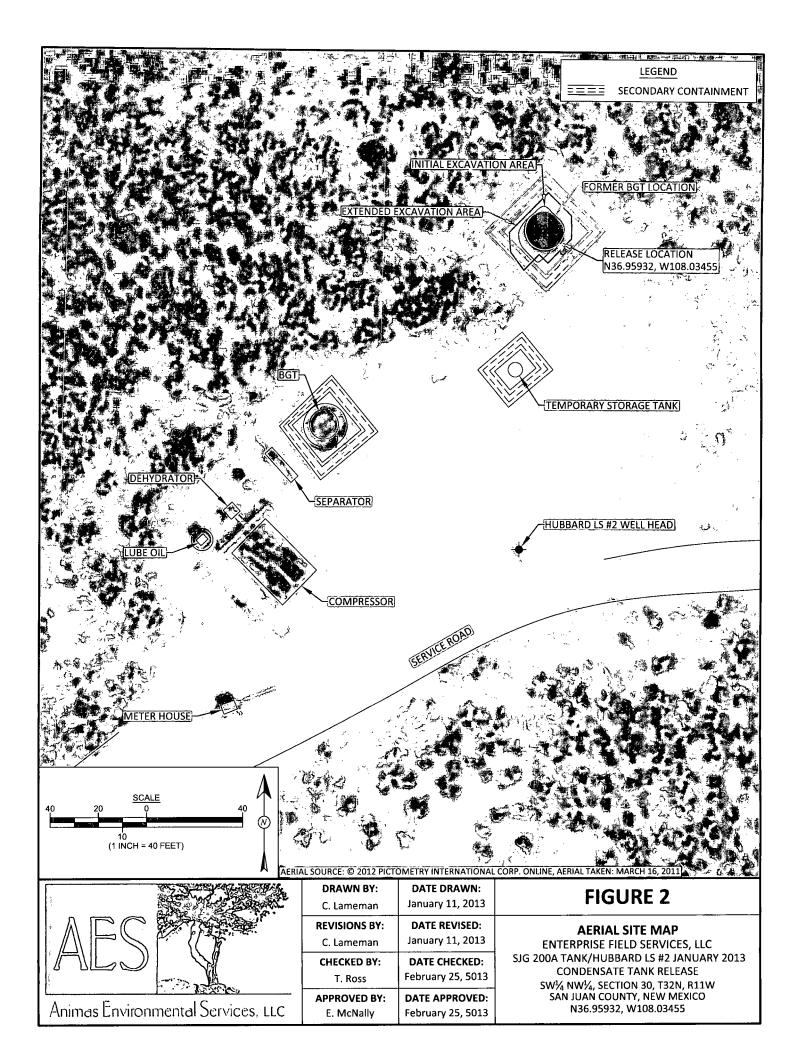
Aleather M. Woods

Heather M. Woods Staff Geologist

Elipsbuth V Mendly

Elizabeth McNally, P.E.





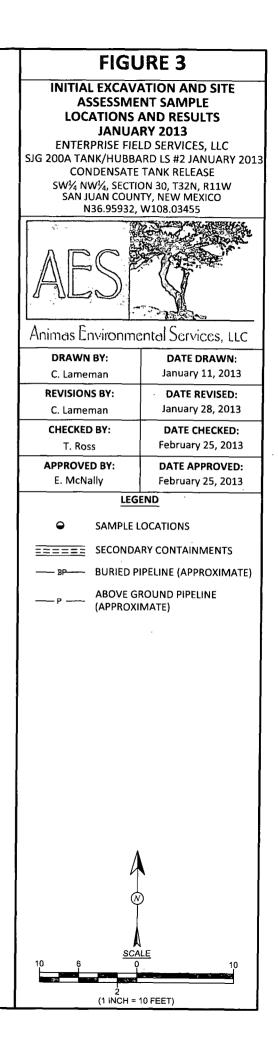
⊖ SB-1		
INITIAL EXCAVATION AREA 280 FT ² x 2 TO 5 FT DEEP (BULLET HOLE)		Sa
N36.95932, W108.03455		
€sB-2		
SB-3 O		
SC-20 NORTH BASE FORMER CONDENSATE TANK		
LOCATION SOUTH BASE SC-5		
EXTENDED EXCAVATION AREA 500 FT ² x 2 TO 5 FT DEEP		<u> </u>
SOUFI-X 2 TO S FT DEEP		
SC-1.		
SB-4 👄		
		SC-1 SOIL
		REFU
		La
	Sample ID	Date
	SC-1 SC-2	1/10/13
	SC-2 SC-3	1/10/13 1/10/13
	SC-4	1/10/13
	SC-5	1/10/13
	SC-6	1/10/13
	NORTH BASE COMPOSITE	1/17/13
	SOUTH BASE COMPOSITE	1/17/13
$\langle \mathcal{E} \mathcal{E} \mathcal{E} \rangle $ $\langle \rangle $	ALL SAMPLES W	ERE ANALY

TEMPORARY STORAGE TANK

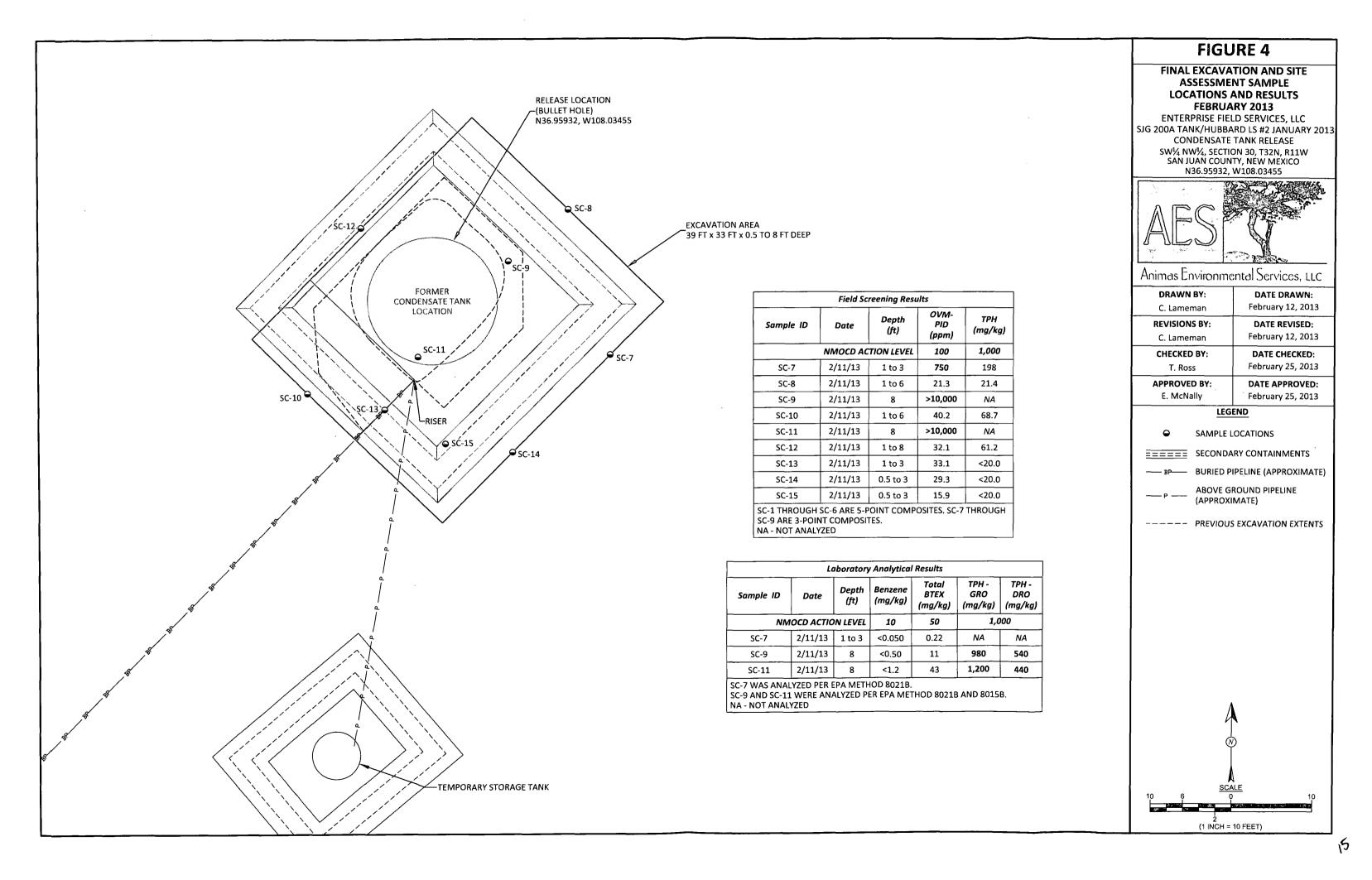
Field Screening Results									
Sample ID	Date	Depth (ft)	OVM- PID (ppm)						
	NMOCD AC	TION LEVEL	100						
SC-1	1/10/13	1 to 2	80.0						
SC-2	1/10/13	1 to 3	25.8						
SC-3	1/10/13	1 to 3	260						
SC-4	1/10/13	1 to 2	4,750						
SC-5	1/10/13	1 to 3	7,837						
SC-6	1/10/13	1 to 2	8,913						
		0 to 4	0.0						
SB-1	1/17/13	4 to 8	0.0						
		8 to 10.5	0.0						
		0 to 4	0.0						
SB-2	1/17/13	4 to 8	0.0						
		8 to 8.5	0.0						
SB-3	1/17/13	0 to 3	0.0						
36-3	1/1/15	3	0.0						
SB-4	1/17/13	0 to 2	0.0						
30-4	1/1//13	2 to 4	0.0						
SB-5	1/17/13	0 to 2	4,450						
SB-6	1/17/12	0 to 1	10.5						
0-06	1/1//13	/17/13 1 to 3 5							
SC-1 THROUGH SOIL BORINGS V REFUSAL ON CO	VERE TERMIN	NATED AT AU							

	Lo	aboratory	Analytica	Results		
Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH DR((mg/
NM	IOCD ACTIO	N LEVEL	10	50	1,0	000
SC-1	1/10/13	1 to 2	<0.050	0.12	<5.0	14
SC-2	1/10/13	1 to 3	<0.050	<0.25	<5.0	<9.
SC-3	1/10/13	1 to 3	<0.050	<0.25	<5.0	<10
SC-4	1/10/13	1 to 2	<1.2	66	1,100	920
SC-5	1/10/13	1 to 3	<1.2	63	1,300	1,40
SC-6	1/10/13	1 to 2	<1.2	259	4,400	4,10
NORTH BASE COMPOSITE	1/17/13	3 to 6	<0.099	1.3	150	850
SOUTH BASE COMPOSITE	1/17/13	3 to 6	<0.094	1.1	120	210

ALL SAMPLES WERE ANALYZED PER EPA METHOD 8021B AND 8015B.

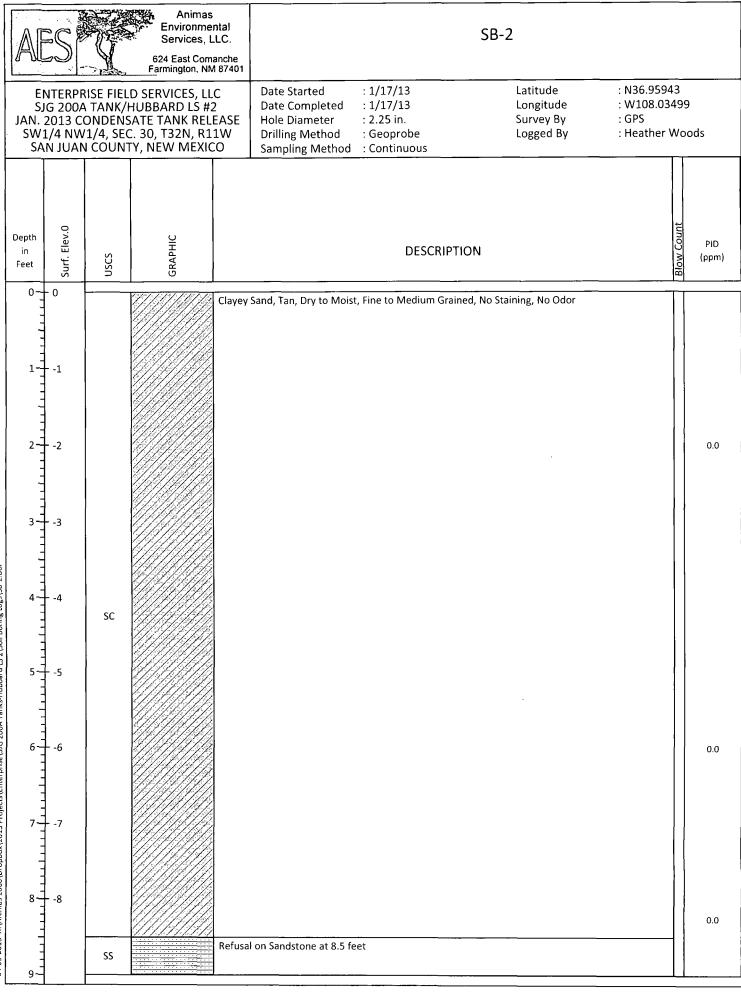


PH -RO g/kg) .4).9 10 20 100 100 ____ 50 ____ 10 _



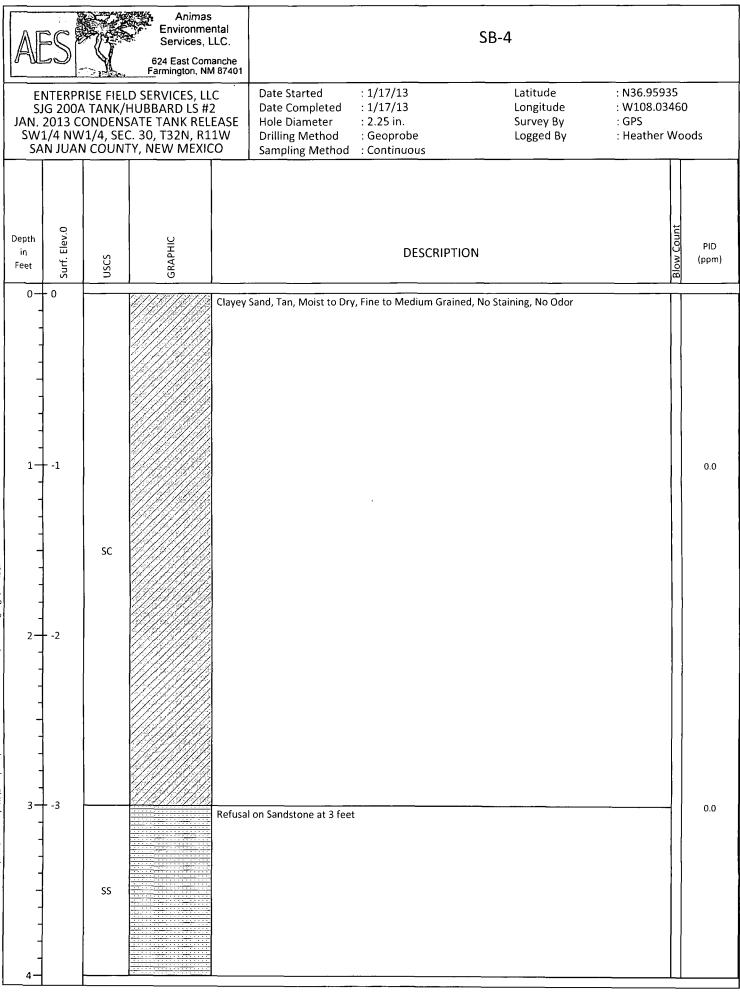
	IS	Y	Animas Environme Services, I 624 East Com Farmington, N	ental LLC.			SB-1			
SW	1/4 NW	/1/4, SE(D SERVICES, LL HUBBARD LS # SATE TANK REL C. 30, T32N, R1 TY, NEW MEXIC	.1W	Date Started Date Completed Hole Diameter Drilling Method Sampling Method	: 1/17/13 : 1/17/13 : 2.25 in. : Geoprobe : Continuous	Latitude Longitude Survey By Logged By	: N36.95947 : W108.03446 : GPS : Heather Woods		
Depth in Feet	Surf. Elev.0	uscs	GRAPHIC			DESCRIPT	ION		PID (ppm)	
	- 0 1 2 3			Clayey S	and, Tan, Dry to Moist	Fine to Medium Grain	ed, No Staining, No Odor		0.0	
-	7	SC							0.0	
9	9 10			Refusal	on Sandstone at 10.5 f	eet			0.0	
		SS		кеtusal	on Sandstone at 10.5 f	eet				

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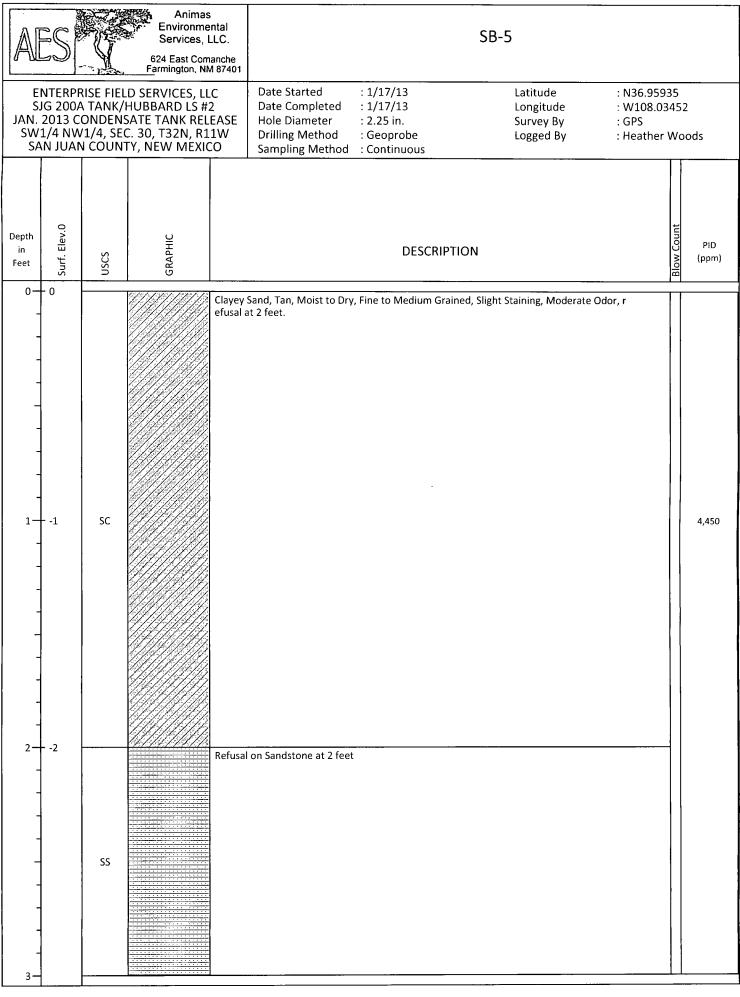


04-05-2013 R:\Animas 2000\Dropbox\2013 Projects\Enterprise\SJG 200A Tanks-Hubbard LS 2\Soil Boring Logs\SB-2.bor

	ES	V	Animas Environmenta Services, LLC 624 East Comand Farmington, NM 8	he l	SB-3			
S JAN. WS	JG 200A 2013 C 1/4 NW	A TANK/I ONDENS /1/4. SE(D SERVICES, LLC HUBBARD LS #2 GATE TANK RELEA C. 30, T32N, R11V TY, NEW MEXICO	Date Completed: 1/17/13SEHole Diameter: 2.25 in.VDrilling Method: Geoprol	Date Completed: 1/17/13Longitude: W108.Hole Diameter: 2.25 in.Survey By: GPSDrilling Method: GeoprobeLogged By: Heather			
Depth in Feet	Surf. Elev.0	USCS	GRAPHIC	C	DESCRIPTION		Blow Count	PID (ppm)
		SS		ayey Sand, Brown to Tan, Moist to Dry, F ndstone, Tan, Dry, Fine to Medium Grair o Odor. Refusal on Sandstone at 4 fee	ned, No Staining, Severe t			0.0



04-05-2013 R:\Animas 2000\Dropbox\2013 Projects\Enterprise\SIG 200A Tanks-Hubbard LS 2\Soil Boring Logs\SB-4.bor



ACS		Animas Environmenta Services, LLC 624 East Coman Farmington, NM 8	ie		SB-6	
SJG 200A JAN. 2013 CC	TANK/H DNDENS	D SERVICES, LLC HUBBARD LS #2 GATE TANK RELEA C. 30, T32N, R11V TY, NEW MEXICO	Date Started Date Completed E Hole Diameter	: 1/17/13 : 1/17/13 : 2.25 in. : Geoprobe : Continuous	Latitude Longitude Survey By Logged By	: N36.95936 : W108.03449 : GPS : Heather Woods
Depth O. in II. Feet S	USCS	GRAPHIC		DESCRIPTIC	ON	Blow Count (bdd)
00	SC	e	odor.		um Grained, Slight Staining, ning, No Odor, Refusal at 3 f	10
	SS					53.

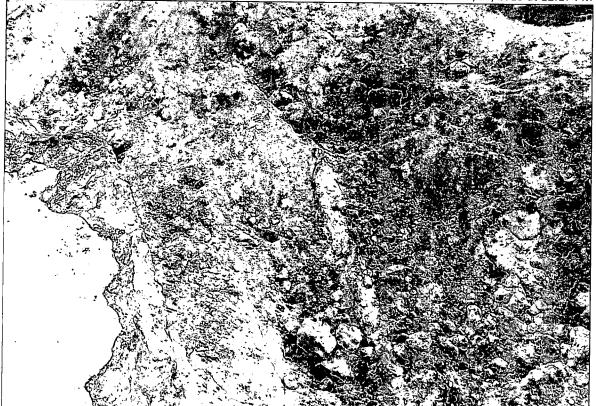
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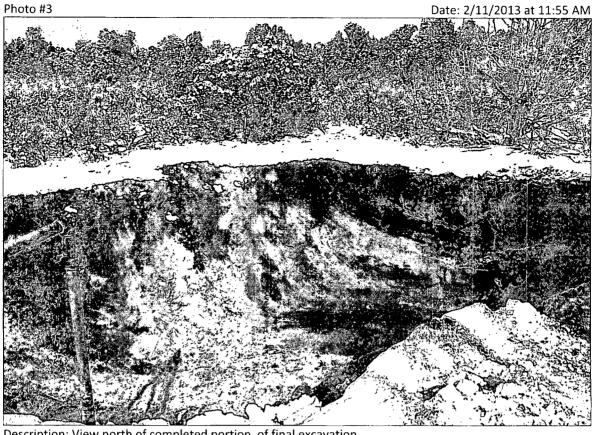
Description: View of northeast corner of initial excavation.

Photo #2

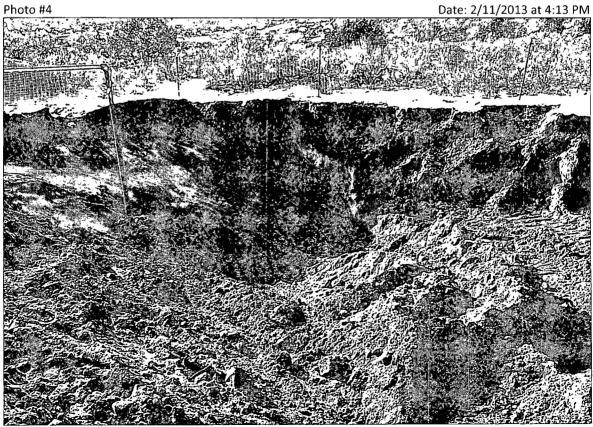
Date: 1/10/2013 at 12:17 PM



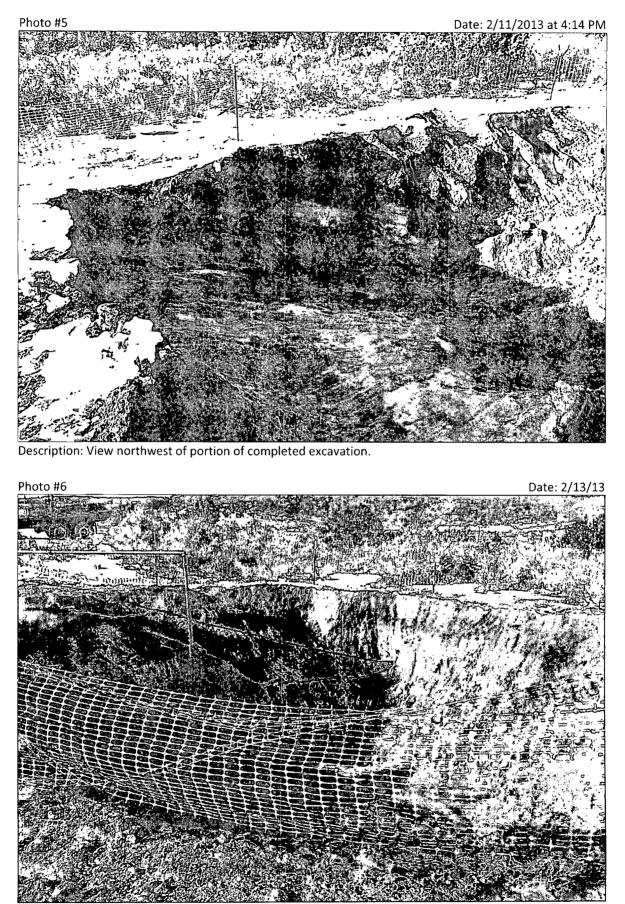
Description: View of base of initial excavation showing green staining from historical release.



Description: View north of completed portion of final excavation.



Description: View southeast of portion of completed excavation.



Description: Application of potassium permanganate.

AES Field Screening Report

Client: ConocoPhillips

Project Location: Hubbard LS #2 January 2013

Date: 2/11/2013

Matrix: Soil



Animas Environmental Services, LLC

www.animasenvironmental.com

624 E. Comanche Farmington, NM 87401 505-564-2281

> Durango, Colorado 970-403-3084

Sample ID	Collection Date	Collection Time	OVM (ppm)	Time of Sample Analysis	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials	
SC-7	2/11/2013	11:32	750	11:49	198	40.0	1	HMW	
SC-8	2/11/2013	12:06	21.3	12:30	21.4	40.0	1	HMW	
SC-9	2/11/2013	12:08	>10,000	Not Analyzed for TPH					
SC-10	2/11/2013	13:03	40.2	13:45	68.7	40.0	1	HMW	
SC-11	2/11/2013	13:09	>10,000		Not A	nalyzed for T	РН		
SC-12	2/11/2013	13:40	32.1	14:15	61.2	40.0	1	HMW	
SC-13	2/11/2013	15:01	33.1	15:32	<20.0	40.0	1	нмw	
SC-14	2/11/2013	15:05	29.3	15:34	<20.0	40.0	1	HMW	
SC-15	2/11/2013	15:07	15.9	15:37	<20.0	40.0	1	HMW	

Total Petroleum Hydrocarbons - USEPA 418.1

PQL Practical Quantitation Limit

ND Not Detected at the Reporting Limit

DF Dilution Factor

NA Not Analyzed

Analyst:

Aleather M. Woods

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

January 14, 2013

Tami Ross Animas Environmental Services 624 East Comanche Farmington, NM 87401 TEL: (505) 793-2072 FAX

RE: Enterprise Hubbard LS #2

OrderNo.: 1301369

Dear Tami Ross:

Hall Environmental Analysis Laboratory received 6 sample(s) on 1/11/2013 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. 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. 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.

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 1301369 Date Reported: 1/14/2013

1/11/2013 12:13:03 PM

Analyst: NSB

CLIENT:	Animas Environmental Service	es	Client Sample ID: SC-6 SC-1 (lrc 4/5/13)							
Project:	Enterprise Hubbard LS #2		Collection Date: 1/10/2013 11:19:00 AM							
Lab ID:	1301369-001	Matrix:	MEOH (SOIL)	Received I	Date: 1/11/2	013 11:00:00 AM				
Analyses		Result	RL Qual	Units	DF	Date Analyzed				
EPA MET	HOD 8015B: DIESEL RANGE	ORGANICS				Analyst: MMD				
Diesel R	ange Organics (DRO)	14	10	mg/Kg	1	1/11/2013 1:01:25 PM				
Surr: I	ONOP	102	72.4-120	%REC	1	1/11/2013 1:01:25 PM				
EPA MEI	HOD 8015B: GASOLINE RANG	GE				Analyst: NSB				

5.0

84-116

0.050

0.050

0.050

0.10

80-120

mg/Kg

%REC

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%REC

1

1

1

1

1

1

1

ND

104

ND

ND

ND

0.12

109

IT. Animas Emvironmental Services

Gasoline Range Organics (GRO)

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation rangeJ Analyte detected below quantita

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

Analytical Report Lab Order 1301369 Date Reported: 1/14/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services **Project:** Enterprise Hubbard LS #2

Project: Enterprise Hub Lab ID: 1301369-002

-

Client Sample ID: SC-7 SC-2 (lrc 4/5/13) Collection Date: 1/10/2013 11:20:00 AM Received Date: 1/11/2013 11:00:00 AM

Result	RL Qu	al Units	DF	Date Analyzed
ORGANICS				Analyst: MMD
ND	9.9	mg/Kg	1	1/11/2013 1:23:12 PM
95.6	72.4-120	%REC	1	1/11/2013 1:23:12 PM
IGE				Analyst: NSB
ND	5.0	mg/Kg	1	1/11/2013 1:10:33 PM
98.1	84-116	%REC	1	1/11/2013 1:10:33 PM
				Analyst: NSB
ND	0.050	mg/Kg	1	1/11/2013 1:10:33 PM
ND	0.050	mg/Kg	1	1/11/2013 1:10:33 PM
ND	0.050	mg/Kg	1	1/11/2013 1:10:33 PM
ND	0.10	mg/Kg	1	1/11/2013 1:10:33 PM
107	80-120	%REC	1	1/11/2013 1:10:33 PM
	FORGANICS ND 95.6 NGE ND 98.1 ND ND ND ND ND	E ORGANICS ND 9.9 95.6 72.4-120 NGE ND 5.0 98.1 84-116 ND 0.050 ND 0.050 ND 0.050 ND 0.050 ND 0.10	ND 9.9 mg/Kg 95.6 72.4-120 %REC ND 5.0 mg/Kg 98.1 84-116 %REC ND 0.050 mg/Kg ND 0.10 mg/Kg	ND 9.9 mg/Kg 1 95.6 72.4-120 %REC 1 NGE ND 5.0 mg/Kg 1 98.1 84-116 %REC 1 ND 0.050 mg/Kg 1 ND 0.10 mg/Kg 1

Matrix: MEOH (SOIL)

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 1301369 Date Reported: 1/14/2013

CLIENT: Animas Environmental Services Project: Enterprise Hubbard LS #2

1301369-003

Lab ID:

Client Sample ID: SC-8 SC-3 (lrc 4/5/13) Collection Date: 1/10/2013 11:20:00 AM

Received Date: 1/11/2013 11:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	E ORGANICS				Analyst: MMD
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	1/11/2013 1:45:09 PM
Surr: DNOP	93.7	72.4-120	%REC	1	1/11/2013 1:45:09 PM
EPA METHOD 8015B: GASOLINE RA	NGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	1/11/2013 1:39:26 PM
Surr: BFB	97.9	84-116	%REC	1	1/11/2013 1:39:26 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.050	mg/Kg	1	1/11/2013 1:39:26 PM
Toluene	ND	0.050	mg/Kg	1	1/11/2013 1:39:26 PM
Ethylbenzene	• ND	0.050	mg/Kg	1	1/11/2013 1:39:26 PM
Xylenes, Total	ND	0.10	mg/Kg	1	1/11/2013 1:39:26 PM
Surr: 4-Bromofluorobenzene	108	80-120	%REC	1	1/11/2013 1:39:26 PM

Matrix: MEOH (SOIL)

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

Analyte detected below quantitation limits J

Р Sample pH greater than 2

RL Reporting Detection Limit В Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded Н

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits S

Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 1301369 Date Reported: 1/14/2013

CLIENT: Animas Environmental Services

Project:Enterprise Hubbard LS #2Lab ID:1301369-004

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Client Sample ID: SC-10 SC-4 (lrc 4/5/13) Collection Date: 1/10/2013 12:32:00 PM

Matrix: MEOH (SOIL) Received Date: 1/11/2013 11:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE ORGANICS				<u></u>	Analyst: MMD
Diesel Range Organics (DRO)	920	9.7		mg/Kg	1	1/11/2013 2:06:53 PM
Surr: DNOP	98.5	72.4-120		%REC	1	1/11/2013 2:06:53 PM
EPA METHOD 8015B: GASOLINE R	ANGE					Analyst: NSB
Gasoline Range Organics (GRO)	1100	250		mg/Kg	50	1/11/2013 2:08:13 PM
Surr: BFB	212	84-116	S	%REC	50	1/11/2013 2:08:13 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.2		mg/Kg	50	1/11/2013 2:08:13 PM
Toluene	7.5	2.5		mg/Kg	50	1/11/2013 2:08:13 PM
Ethylbenzene	4.0	2.5		mg/Kg	50	1/11/2013 2:08:13 PM
Xylenes, Total	54	5.0		mg/Kg	50	1/11/2013 2:08:13 PM
Surr: 4-Bromofluorobenzene	112	80-120		%REC	50	1/11/2013 2:08:13 PM

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
	Р	Sample pH greater than 2	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits Page 4 of 9

Analytical Report Lab Order 1301369 Date Reported: 1/14/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Enterprise Hubbard LS #2 Project: Lab ID: 1301369-005

Client Sample ID: SC-11 SC-5 (lrc 4/5/13)

Collection Date: 1/10/2013 12:34:00 PM Received Date: 1/11/2013 11:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RAN	GE ORGANICS					Analyst: MMD
Diesel Range Organics (DRO)	1400	98		mg/Kg	10	1/11/2013 3:36:08 PM
Surr: DNOP	0	72.4-120	S	%REC	10	1/11/2013 3:36:08 PM
EPA METHOD 8015B: GASOLINE R	ANGE					Analyst: NSB
Gasoline Range Organics (GRO)	1300	250		mg/Kg	50	1/11/2013 2:37:05 PM
Surr: BFB	238	84-116	S	%REC	50	1/11/2013 2:37:05 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.2		mg/Kg	50	1/11/2013 2:37:05 PM
Toluene	6.4	2.5		mg/Kg	50	1/11/2013 2:37:05 PM
Ethylbenzene	4.3	2.5		mg/Kg	50	1/11/2013 2:37:05 PM
Xylenes, Total	52	5.0		mg/Kg	50	1/11/2013 2:37:05 PM
Surr: 4-Bromofluorobenzene	118	80-120		%REC	50	1/11/2013 2:37:05 PM

Matrix: MEOH (SOIL)

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

J Analyte detected below quantitation limits

Р Sample pH greater than 2

RL Reporting Detection Limit

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits S

Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 1301369 Date Reported: 1/14/2013

CLIENT: Animas Environmental Services

Project: Enterprise Hubbard LS #2 Lab ID: 1301369-006

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Client Sample ID: SC-12 SC-6 (lrc 4/5/13) Collection Date: 1/10/2013 12:36:00 PM

Matrix: MEOH (SOIL) Received Date: 1/11/2013 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE ORGANICS					Analyst: MMD
Diesel Range Organics (DRO)	4100	98		mg/Kg	10	1/11/2013 3:58:24 PM
Surr: DNOP	0	72.4-120	S	%REC	10	1/11/2013 3:58:24 PM
EPA METHOD 8015B: GASOLINE RA	ANGE					Analyst: NSB
Gasoline Range Organics (GRO)	4400	250		mg/Kg	50	1/11/2013 3:05:55 PM
Surr: BFB	547	84-116	S	%REC	50	1/11/2013 3:05:55 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.2		mg/Kg	50	1/11/2013 3:05:55 PM
Toluene	32	2.5		mg/Kg	50	1/11/2013 3:05:55 PM
Ethylbenzene	17	2.5		mg/Kg	50	1/11/2013 3:05:55 PM
Xylenes, Total	210	5.0		mg/Kg	50	1/11/2013 3:05:55 PM
Surr: 4-Bromofluorobenzene	135	80-120	S	%REC	50	1/11/2013 3:05:55 PM

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

Ε Value above quantitation range

J Analyte detected below quantitation limits

Р Sample pH greater than 2

RL Reporting Detection Limit

- Analyte detected in the associated Method Blank В
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits S

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1301369

14-Jan-13

	nimas Environmental Services nterprise Hubbard LS #2			
Sample ID MB-5604	SampType: MBLK		8015B: Diesel Range (Drganics
Client ID: PBS	Batch ID: 5604	RunNo: 7992		
Prep Date: 1/9/2013	Analysis Date: 1/11/2013	SeqNo: 231506	Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: DNOP	9.2 10.00	92.2 72.4	120	
Sample ID LCS-5604	SampType: LCS	TestCode: EPA Method	8015B: Diesel Range C	Organics
Client ID: LCSS	Batch ID: 5604	RunNo: 7992		
Prep Date: 1/9/201:	Analysis Date: 1/11/2013	SeqNo: 231507	Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: DNOP	4.4 5.000	88.2 72.4	120	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:		nvironmer e Hubbard		vices							
Sample ID	5ML RB	SampT	ype: ME	3LK	Tes	tCode: E	PA Method	8015B: Gaso	oline Rang	e	
Client ID: I	PBS	Batch	ID: R8	003	R	RunNo: 8	003				
Prep Date:		Analysis D	ate: 1/	11/2013	S	eqNo: 2	31959	Units: mg/k	۲g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Surr: BFB	e Organics (GRO)	ND 960	5.0	1000		96.3	84	116			
Sample ID	2.5UG GRO LCS	SampT	ype: LC	s	Test	tCode: E	PA Method	8015B: Gaso	oline Rang	e	<u> </u>
Client ID:	LCSS	Batch	ID: R8	003	R	lunNo: 8	003				
Prep Date:		Analysis D	ate: 1/	11/2013	S	eqNo: 2	31968	Units: mg/h	۲g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	27	5.0	25.00	0	108	74	117			
Surr: BFB		1000	-	1000		103	84	116			
Sample ID	1301369-001AMS	SampT	ype: MS	3	Test	tCode: E	PA Method	8015B: Gaso	line Rang	e	
Client ID:	SC-6	Batch	1D: R8	003	R	lunNo: 8	003				
Prep Date:		Analysis D	ate: 1/	11/2013	S	eqNo: 2	31971	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	organics (GRO)	22	5.0	19.07	2.059	105	70	130			
Surr: BFB		850		762.6		112	84	116			
Sample ID	1301369-001AMSC) SampT	ype: MS	SD	Tes	tCode: E	PA Method	8015B: Gaso	oline Rang	e	
Client ID:	SC-6	Batch	1D: R8	003	R	tunNo: 8	003				
Prep Date:		Analysis D	ate: 1/	11/2013	S	SeqNo: 2	31972	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	22	5.0	19.07	2.059	105	70	130	0.622	22.1	
Surr: BFB		860		762.6		113	84	116	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Page 8 of 9

WO#: 1301369

14-Jan-13

QC SUMMARY REPORT

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WO#: 1301369

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x	~	-,,	u	n	-1	2

	as Environme prise Hubbard		vices							
Sample ID 5ML RB	Samp	Гуре: МВ	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: R8	003	F	RunNo: 8	003				
Prep Date:	Analysis [Date: 1/	11/2013	S	SeqNo: 2	32037	Units: mg/H	٢g		
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	_	109	80	120			
Sample ID 100NG BTEX	LCS Samp	Type: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: R8	003	F	RunNo: 8	003				
Prep Date:	Analysis [Date: 1/	11/2013	S	SeqNo: 2	32040	Units: mg/ł	٨g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	101	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

LABORATORY TEL: 505-345-3975	4901 Hawkins NE querque, NM 87105	Sample Log-In Check List
	/ork Order Number:	. 1301369
Received by/date: 46 011113		
Logged By: Ashley Gallegos 1/11/2013 11:00:00 AN	5	t - f
Completed By: Ashley Gallegos 1/11/2013 11:12:44 AN	k I	the second se
Reviewed By: MA 01/11/13	-	,
Chain of Custody		
1. Were seals intact?	Yes ^I No	Not Present 🗸
2. Is Chain of Custody complete?	Yes 🗸 No	Not Present
3. How was the sample delivered?	Courier	
Log In		
4. Coolers are present? (see 19. for cooler specific information)	Yes 🗸 No '	· NA
5. Was an attempt made to cool the samples?	Yes 🖌 No	NA
6. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗸 No	NA
7. Sample(s) in proper container(s)?	Yes 🗸 No	:
8. Sufficient sample volume for indicated test(s)?	Yes 🖌 No	
9. Are samples (except VOA and ONG) properly preserved?	Yes 🗸 No	
10. Was preservative added to bottles?	Yes 💠 🗄 No 🗹	NA NA
11. VOA vials have zero headspace?	Yes No	No VOA Vials 🗸
12. Were any sample containers received broken?	Yes No 🗸	1
 Does paperwork match bottle labels? (Note discrepancies on chain of custody) 	Yes 🗸 No	# of preserved bottles checked for pH:
14. Are matrices correctly identified on Chain of Custody?	Yes 🗸 No	(<2 or >12 unless noted)
15. Is it clear what analyses were requested?	Yes 🗸 No	Adjusted?
16. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗸 No	Checked by:
Special Handling (if applicable)		
17. Was client notified of all discrepancies with this order?	Yes No	NA 🖌
	and the second secon	Construction of the second s
Person Notified: Date: Date: Date: Via:	eMail : Phon	e Fax In Person
Regarding:		
Client Instructions:		
18. Additional remarks:		
19. Cooler Information		

-0	oper information											
1	Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By					
1		4.0	Good	Yes								

Chain-of-Custody Record				Turn-Around Time:																• • •	
Client: Animas Environmental Survices				□ Standard X Rush <u>Same Day</u> Project Name:				ANÁLYSIS LABORATORY													
					.		www.hallenvironmental.com														
Mailing	Address	624	E. Comanche	Entronis	e Hubbar	d_L3#2	4901 Hawkins NE - Albuquerque, NM 87109														
Far	minste	n, N	M 87401	Entropise Hubbard L3#2 Project#:				Tel. 505-345-3975 Fax 505-345-4107													
Farmington, NM 87401 Phone #: 505-564-22B1									-		-	A	naly	sis	Req	uest		Ĩ			
email o	r Fax#:			Project Manager:			-	(yln	В Ю					ð							
	Package:							as o	/ M			<u></u>		04,S	PCB's						
X Stan			Level 4 (Full Validation)				3's (Ű	R N N			SIMS)		P, P	2 P						
Accreditation				Sampler: H. Woods /K. Christianzen Onice: 2010 Sample: Employations 2010			+ TMB's (8021)	+ TPH	20 / D	18.1)	6.1)	8270		O3,NO	; / 808		A)				or N)
	(Type)			Sample-usin	ad an iner i ve		Ш	BE	(GF	4 4	19 19	b	tals	N,	ides	æ	N N				Ľ
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type		BTEX + MTBE	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)				Air Bubbles (Y or N)
1/10/13	See	50:1	50-6	MEOHKH	MEOH /_	-001	X		X				_								1
			SC-7	MEDHKIL	MeOH_	-002	X		X									\square			
		5011	5C-8	MEOHKIH 407	Meot	-003	X		X												
		5011		MEDHKIL	MOH_	-004	X		X												
			SC - 11	MeOHKIH 402	MeOH/_	-005	X		X												
		Soil		Meother 402	Meot/_	000	X		X												
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																			┝╼╼╊╸		+
······																					
				•					Ĺ												
Date: Time: Relinquished by:		Received by: Date Time			Remarks: Bill to Enterprise Field Survices																
10/13	1734 Time:	Relinquish	Mu M. Woods	Received by:	Nale	10/13 1734 Date Time	-														
10/13	1751	Ch n	ant Weelen	Lee	2					Þ											
· #			nitted to Uall Environmental may be sub-				- I		A								- 44				

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



January 25, 2013

Tami Ross Animas Environmental Services 624 East Comanche Farmington, NM 87401 TEL: (505) 793-2072 FAX

RE: Enterprise Hubbard LS #2

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.: 1301623

Dear Tami Ross:

Hall Environmental Analysis Laboratory received 2 sample(s) on 1/18/2013 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. 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. 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.

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1301623 Date Reported: 1/25/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: South Base **Project:** Enterprise Hubbard LS #2 Collection Date: 1/17/2013 11:55:00 AM Lah ID 1201 (22 001 Matrix, SOIL -.

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

J Analyte detected below quantitation limits

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

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits S

Lab ID: 1301623-001	Matrix: SOIL			Received Date: 1/18/2013 9:53:00 AM						
Analyses	Result	Result RL Qual		Units	DF	Date Analyzed				
EPA METHOD 8015B: DIESEL RANG	E ORGANICS					Analyst: MMD				
Diesel Range Organics (DRO)	210	9.7		mg/Kg	1	1/24/2013 2:41:54 AM				
Surr: DNOP	82.6	72.4-120		%REC	1	1/24/2013 2:41:54 AM				
EPA METHOD 8015B: GASOLINE RA	NGE					Analyst: NSB				
Gasoline Range Organics (GRO)	120	9.4		mg/Kg	2	1/23/2013 2:14:53 AM				
Surr: BFB	423	84-116	S	%REC	2	1/23/2013 2:14:53 AM				
EPA METHOD 8021B: VOLATILES						Analyst: NSB				
Benzene	ND	0.094		mg/Kg	2	1/23/2013 2:14:53 AM				
Toluene	ND	0.094		mg/Kg	2	1/23/2013 2:14:53 AM				
Ethylbenzene	ND	0.094		mg/Kg	2	1/23/2013 2:14:53 AM				
Xylenes, Total	1.1	0.19		mg/Kg	2	1/23/2013 2:14:53 AM				
Surr: 4-Bromofluorobenzene	120	80-120		%REC	2	1/23/2013 2:14:53 AM				

Analytical Report Lab Order 1301623 Date Reported: 1/25/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: North Base **Project:** Enterprise Hubbard LS #2 Collection Date: 1/17/2013 11:58:00 AM Lab ID: 1301623-002 Received Date: 1/18/2013 9:53:00 AM Matrix: SOIL Analyses Result **RL** Qual Units DF **Date Analyzed EPA METHOD 8015B: DIESEL RANGE ORGANICS** Analyst: MMD Diesel Range Organics (DRO) 850 100 mg/Kg 10 1/24/2013 3:10:41 PM Surr: DNOP 0 72.4-120 S %REC 10 1/24/2013 3:10:41 PM **EPA METHOD 8015B: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) 1/23/2013 3:12:20 AM 150 9.9 mg/Kg 2 C07 AM E

Surr: BFB	527	84-116	S	%REC	2	1/23/2013 3:12:20 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.099		mg/Kg	2	1/23/2013 3:12:20 AM
Toluene	ND	0.099		mg/Kg	2	1/23/2013 3:12:20 AM
Ethylbenzene	ND	0.099		mg/Kg	2	1/23/2013 3:12:20 AM
Xylenes, Total	1.3	0.20		mg/Kg	2	1/23/2013 3:12:20 AM
Surr: 4-Bromofluorobenzene	124	80-120	S	%REC	2	1/23/2013 3:12:20 AM

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

Analyte detected below quantitation limits J

Sample pH greater than 2 Р

RL Reporting Detection Limit

- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

Spike Recovery outside accepted recovery limits S

WO#: 1301623

25-Jan-13

Client: Project:		nvironmen e Hubbard			· · · · · · · · · · · · · · · · · · ·							
Sample ID MB	-5768	SampTy	vpe: N	BLK	Test	Code: E	PA Method	8015B: Diese	I Range C	Organics		
Client ID: PB	s	Batch	ID: 5	768	R	unNo: 8	179					
Prep Date: 1/	22/2013	Analysis Da	ate: 1	/22/2013	S	eqNo: 2	36584	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Orga	nics (DRO)	ND	10									
Surr: DNOP		11		10.00		108	72.4	120				
Sample ID LC	S-5768	SampT	/pe: L	CS	Test	tCode: E	PA Method	8015B: Diese	el Range C	Organics		
Client ID: LC	SS .	Batch	ID: 5	768	R	lunNo: 8	8179					
Prep Date: 1/	22/2013	Analysis D	ate: 🖌	/22/2013	S	eqNo: 2	36585	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Orga	nics (DRO)	42	10		0	84.1	47.4	122				
Surr: DNOP		5.8		5.000		117	72.4	120				
Sample ID MB-5753 SampType: MBLK TestCode: EPA Method 8015B: Diesel Range Organics												
Client ID: PB	S	Batch	ID: 5	753	R	lunNo: 8	3204					
Prep Date: 1/	/21/2013	Analysis D	ate: 1	1/23/2013	S	SeqNo: 2	237449	Units: %RE	C			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP		9.8		10.00		98.4	72.4	120				
Sample ID LC	S-5753	SampT	/pe: L	cs	Tes	tCode: E	PA Method	8015B: Diese	el Range (Drganics		
Client ID: LC	SS	Batch	ID: 5	753	F	RunNo: 8	3204		_	-		
Prep Date: 1/	21/2013	Analysis D	ate: ·	1/23/2013	S	SeqNo: 2	237450	Units: %RE	С			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Sur: DNOP		5.3		5.000		106	72.4	120				
Sample ID ME	3-5814	SampT	/pe: N	IBLK	Tes	tCode: E	PA Method	8015B: Diese	el Range (Organics		
Client ID: PB			ID: 5			RunNo: 8				g		
Prep Date: 1/	24/2013	Analysis D	ate:	1/24/2013	S	SegNo: 2	238133	Units: %RE	С			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP		9.8		10.00	<u></u>	97.7	72.4	120	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Sample ID LC	S-5814	SampT	/pe: L	CS	Tes	tCode: E	PA Method	8015B: Diese	el Range (Organics		
Client ID: LC		• •	ID: 5			RunNo: 8				-		
Prep Date: 1/		Analysis D				SeqNo: 2		Units: %RE	С			
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP		5.4	i uzi	5.000	Universited	109	72.4	120	701110		wudi	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

- J Analyte detected below quantitation limits
- P Sample pH greater than 2

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

	Environmen ise Hubbard		vices							
Sample ID MB-5742 Client ID: PBS Prep Date: 1/18/2013	SampTy Batch Analysis Da	ID: 57	42	F	tCode: El RunNo: 8 SeqNo: 2	172	8015B: Gasc Units: mg/F		e	
Analyte Gasoline Range Organics (GRO) Surr: BFB	Result ND 970	PQL 5.0	SPK value 1000	SPK Ref Val	%REC 97.5	LowLimit 84	HighLimit 116	%RPD	RPDLimit	Qual
Sample ID LCS-5742 Client ID: LCSS Prep Date: 1/18/2013	Batch	SampType: LCS TestCode: EPA Method 8015B: Gasoline Range Batch ID: 5742 RunNo: 8172 Analysis Date: 1/21/2013 SeqNo: 236304 Units: mg/Kg								
Analyte Gasoline Range Organics (GRO) Surr: BFB	Result 25 860	PQL 5.0	SPK value 25.00 1000	SPK <u>Ref Val</u> 0	%REC 98.5 86.1	LowLimit 74 84	HighLimit 117 116	%RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

25-Jan-13

1301623

WO#:

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Client: Animas Environmental Services

Project: Enterprise Hubbard LS #2

Sample ID MB-5742	Samp	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles			
Client ID: PBS	Batcl	n ID: 57	42	F	RunNo: 8	172					
Prep Date: 1/18/2013	Analysis [)ate: 1/	21/2013	S	SeqNo: 2	36326	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.050									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	1.1		1.000		105	80	120				
Sample ID LCS-5742	Samp1	ype: LC	S	Tes ⁻	tCode: El	PA Method	8021B: Volat	iles			
Client ID: LCSS	Batcl	n ID: 57	42	F	RunNo: 8	172					
Prep Date: 1/18/2013	Analysis [A		-							
	,	ale. T	21/2013	5	SeqNo: 2	36327	Units: mg/K	g			
Analyte	Result	PQL		SPK Ref Val	SeqNo: 2: %REC	36327 LowLimit	Units: mg/k HighLimit	g %RPD	RPDLimit	Qual	
Analyte Benzene	-				•		-	-	RPDLimit	Qual	
	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	-	RPDLimit	Qual	
Benzene	Result 0.99	PQL 0.050	SPK value 1.000	SPK Ref Val 0	%REC 98.8	LowLimit 80	HighLimit 120	-	RPDLimit	Qual	
Benzene Toluene	Result 0.99 0.99	PQL 0.050 0.050	SPK value 1.000 1.000	SPK Ref Val 0 0	%REC 98.8 98.9	LowLimit 80 80	HighLimit 120 120	-	RPDLimit	Qual	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

WO#: 1301623

25-Jan-13

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105 TEL: 505-345-3975 FAX: 505-345-410; Website: www.hallenvironmental.con

Sample Log-In Check List

	nt Name:	Animas Environmental	MILIZIA	Work Or	der N	Num	ber:	1301623	
Rece	eived by/date	8: <u></u>							
Logg	jed By:	Michelle Garcia	1/18/2013 9:53:00 A	М			47μ	June Gouines	
Com	pleted By:	Michelle Garcia	1/18/2013 4:14:36 P	М			-m	Jurelle Conside	
Revi	ewed By:	NAG-	01/18/13						
Chai	in of Cust	tody	19						_
1. 1	Were seals i	intact?		Yes		No		Not Present 🗹	
2.	Is Chain of C	Custody complete?		Yes		No		Not Present	
3 .	How was the	e sample delivered?		<u>Cou</u>	<u>ier</u>				
Log	<u>In</u>								
4.	Coolers are	present? (see 19. for coole	er specific information)	Yes		No		NA 🗔	
5.	Was an atte	mpt made to cool the sam	ples?	Yes		No			
6.	Were all san	nples received at a temper	rature of >0° C to 6.0°C	Yes		No			
7.	Sample(s) in	n proper container(s)?		Yes		No			
8.	Sufficient sa	mple volume for indicated	test(s)?	Yes	Y	No			
9	Are samples	(except VOA and ONG) p	roperly preserved?	Yes	\checkmark	No			
10.	Was preserv	vative added to bottles?		Yes		No	✓	NA 🗔	
11.	VOA vials ha	ave zero headspace?		Yes		No		No VOA Vials 🗹	
12.	Were any sa	ample containers received	broken?	Yes		No	\checkmark		٦
	• •	work match bottle labels? pancies on chain of custoo	ly)	Yes		No		# of preserved bottles checked for pH:	
14.	Are matrices	correctly identified on Cha	ain of Custody?	Yes		No		(<2 or >12 unless noted)	
15.	ls it clear wh	at analyses were requeste	d?	Yes	\checkmark	No		Adjusted?	
		ding times able to be met? customer for authorization		Yes	V	No		Checked by:	
<u>Spec</u>	ial Handl	<u>ling (if applicable)</u>							
17.	Was client n	otified of all discrepancies	with this order?	Yes		No		NA 🗹	
	Person	Notified:	Date:						
	By Who	om:	Via:	eMai	i [] Ph	one	Fax In Person	
	Regard	ling:		······································					
	Client li	nstructions:							

18, Additional remarks:

19. Cooler Information

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

C	hain-	of-Cu	istody Record	Turn-Around	Time:	· · · · · ·							•	E	NI V	ΤE		N N	ЛЕІ	NIT.	AL	
Client:	Animas	Enuro	nmental Services	Standard	🗆 Rush	1															R	7
<u>`</u>			America Control	Project Name	the second s		<u> </u>									nent						1
Mailing	Address		E. Comanche	Enternie	e Hubban	1 LS #	2		10	าาม								M 87	109			
		624	E. Comanche	Project #:	~ macourt										-			4107				
		<u>on, N</u> -564-	M 07401							1. 50						Req			• ,	يقيه وكي الأريد		• 500 m
email o		- 304-		Project Mana	der:					_												Т
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X Stan	-		Level 4 (Full Validation)	T. Ross				8 (8	(Ga:	/ DRO / ****)			SIMS)		PO	PCB'					ł	ĺ
Accredi	tation				. Woods				TPH (Gas only)	Ĕ.	,	Ŧ	20		V02	3082						1
		□ Othe	۲	Sampler: H	DY (essays)	<u>nel k</u> ev		+	+	8	18	20	r 82	s	03,1	3/ S		(A			ļ	ł
	(Type)	<u></u>	r	Sample-Rem		02	<u> </u>		MTBE	(U) (U)	g	po	6	letal	CI,N	cide	R) 				>
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type		N CON	BTEX + 40282	BTEX + M	TPH 8015B (GRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)				Air Bubblo
1/17/13	1155	50:1	South Base	1-4 02			001	X		X										T		T
1/17/13			North Base	1-402			002	X		X												
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Date:	Time: 1715 Time:	Relinquishe	the M. Woods	Received by:	- Walte	Date	Time <u>1715</u> Time	Rer	nark	s: E	3-11	40	E	int	erpi	rise	- Fi	eld	50	ru)(تع	
1/17/13	1737	M	+ Walter	the states of th	2 01/18		153											_				

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



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

February 14, 2013

Tami Ross Animas Environmental Services 624 East Comanche Farmington, NM 87401 TEL: (505) 793-2072 FAX

RE: Enterprise Hubbard LS #2

OrderNo.: 1302383

Dear Tami Ross:

Hall Environmental Analysis Laboratory received 3 sample(s) on 2/12/2013 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. 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. 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.

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1302383 Date Reported: 2/14/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Servic	es	(Client Sample	e ID: SC-1	SC-7 (lrc 4/5/13)
Project: Enterprise Hubbard LS #2			Collection E	Date: 2/11/2	013 11:32:00 AM
Lab ID: 1302383-001	Matrix:	MEOH (SOIL)	Received E	Date: 2/12/2	013 9:50:00 AM
Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.050	mg/Kg	1	2/12/2013 1:34:58 PM
Toluene	ND	0.050	mg/Kg	1	2/12/2013 1:34:58 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/12/2013 1:34:58 PM
Xylenes, Total	0.22	0.10	mg/Kg	1	2/12/2013 1:34:58 PM
Surr: 4-Bromofluorobenzene	110	80-120	%REC	1	2/12/2013 1:34:58 PM

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

- Е Value above quantitation range
- Analyte detected below quantitation limits J

Р Sample pH greater than 2

RL Reporting Detection Limit

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits S

Analytical Report Lab Order 1302383 Date Reported: 2/14/2013

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SC-3 SC-9 (lrc 4/5/13) **CLIENT:** Animas Environmental Services Enterprise Hubbard LS #2 Collection Date: 2/11/2013 12:00:00 PM **Project:** 1302383-002 Lab ID: Matrix: MEOH (SOIL) Received Date: 2/12/2013 9:50:00 AM DF Analyses Result **RL** Qual Units **Date Analyzed EPA METHOD 8015B: DIESEL RANGE ORGANICS** Analyst: MMD **Diesel Range Organics (DRO)** 540 200 20 2/12/2013 11:33:32 AM mg/Kg Surr: DNOP 0 72.4-120 S %REC 20 2/12/2013 11:33:32 AM **EPA METHOD 8015B: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) 980 100 mg/Kg 20 2/12/2013 12:08:39 PM %REC Surr: BFB 475 84-116 s 20 2/12/2013 12:08:39 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.50 20 2/12/2013 12:08:39 PM mg/Kg Toluene ND 1.0 mg/Kg 20 2/12/2013 12:08:39 PM Ethylbenzene ND 1.0 mg/Kg 20 2/12/2013 12:08:39 PM Xylenes, Total mg/Kg 20 2/12/2013 12:08:39 PM 11 2.0 Surr: 4-Bromofluorobenzene 118 80-120 %REC 20 2/12/2013 12:08:39 PM

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

Value above quantitation range E

Analyte detected below quantitation limits J

Ρ Sample pH greater than 2

Reporting Detection Limit RL

- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

RPD outside accepted recovery limits R

Spike Recovery outside accepted recovery limits S

Analytical Report Lab Order 1302383 Date Reported: 2/14/2013

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SC-5 SC-11 (lrc 4/5/13) **CLIENT:** Animas Environmental Services Collection Date: 2/11/2013 1:09:00 PM **Project:** Enterprise Hubbard LS #2 Lab ID: 1302383-003 Matrix: MEOH (SOIL) Received Date: 2/12/2013 9:50:00 AM Analyses Result DI **Onal Units** DE Date Analyzed

Analyses	Kesun		Quar	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RAN	GE ORGANICS					Analyst: MMD
Diesel Range Organics (DRO)	440	200		mg/Kg	20	2/12/2013 11:55:18 AM
Surr: DNOP	0	72.4-120	s	%REC	20	2/12/2013 11:55:18 AM
EPA METHOD 8015B: GASOLINE R	ANGE					Analyst: NSB
Gasoline Range Organics (GRO)	1200	250		mg/Kg	50	2/12/2013 12:37:21 PM
Surr: BFB	265	84-116	S	%REC	50	2/12/2013 12:37:21 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.2		mg/Kg	50	2/12/2013 12:37:21 PM
Toluene	ND	2.5		mg/Kg	50	2/12/2013 12:37:21 PM
Ethylbenzene	ND	2.5		mg/Kg	50	2/12/2013 12:37:21 PM
Xylenes, Total	43	5.0		mg/Kg	50	2/12/2013 12:37:21 PM
Surr: 4-Bromofluorobenzene	112	80-120		%REC	50	2/12/2013 12:37:21 PM

Qualifier	s:
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*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

I Analyte detected below quantitation limits

Р Sample pH greater than 2

RL Reporting Detection Limit

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits S

50

Client: Project:		s Environme rise Hubbard		vices							
Sample ID N	IB-6087	Samp1	ype: ME	BLK	Tes	tCode: E	 PA Method	8015B: Dies	el Range (Organics	
Client ID: P	BS	Batc	h ID: 60	87	F	RunNo: 8	596				
Prep Date:	2/12/2013	Analysis [Date: 2/	12/2013	S	SeqNo: 2	47253	Units: mg/l	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Org	ganics (DRO)	ND	10								
Surr: DNOP		10		10.00		102	72.4	120			
Sample ID L	.CS-6087	Sampl	Type: LC	s	Tes	tCode: E	PA Method	8015B: Dies	el Range (Drganics	
Client ID: L	CSS	Batc	h ID: 60	87	F	RunNo: 8	596				
Prep Date:	2/12/2013	Analysis E	Date: 2/	12/2013	ę	SeqNo: 2	47254	Units: mg/l	٢g		

				-				-9		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.2	47.4	122			
Surr: DNOP	5.0		5.000		99.8	72.4	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

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WO#: 1302383

14-Feb-13

WO#:	1302383
	1002000

14-Feb-13

	Environme ise Hubbard		vices							
Sample ID MB-6071	SampT	ype: ME	BLK	Tes	Code: El	PA Method	8015B: Gaso	oline Rang	e	
Client ID: PBS	Batch	1D: R8	602	F	lunNo: 8	602				
Prep Date: 2/11/2013	Analysis D	ate: 2/	12/2013	5	eqNo: 2	47588	Units: mg/H	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0				_			-	
Surr: BFB	1000		1000		104	84	116			
Sample ID LCS-6071	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015B: Gaso	line Rang	e	
Client ID: LCSS	Batch	ID: R8	602	Ą	lunNo: 8	602				
Prep Date: 2/11/2013	Analysis D	ate: 2/	12/2013	S	eqNo: 2	47589	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	113	62.6	136			
Surr: BFB	1200		1000		118	84	116			S

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
 - R RPD outside accepted recovery limits

Sample pH greater than 2	

Value exceeds Maximum Contaminant Level.

Analyte detected below quantitation limits

Value above quantitation range

Qualifiers:

*

E

J

Р

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

Page	6	of	6
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Han Environmental Analysis Edboratory, me.										14
	nimas Environme nterprise Hubbaro									
Sample ID MB-6071	Samp	Гуре: М	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: R 8	3602	F	RunNo: 8	602				
Prep Date: 2/11/201	3 Analysis (Date: 2	/12/2013	S	SeqNo: 2	47604	Units: mg/l	۲g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qu
Benzene	ND	0.050								
Toluene	ND	0.050								

Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	ND ND 1.0	0.050 0.10	1.000		105	80	120			
Sample ID LCS-6071	Samp	Type: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		· · ·
Client ID: LCSS	Batc	h ID: R8	602	F	RunNo: 8	602				
Prep Date: 2/11/2013	Analysis E	Date: 2/	12/2013	S	SeqNo: 2	47605	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.050	1.000	0	95:2	80	120			
Toluene	0.94	0.050	1.000	0	93.6	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.6	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		113	80	120			

v. Inc.

WO#: 1302383

Qual

14-Feb-13

ENVIRONMENTAL ANALYSIS LABORATORY	Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105 505-345-3975 FAX: 505-345-410; bsite: www.hallenvironmental.con	t
Client Name: Animas Environmental Received by/date: MG 02.12	Work Order Number: 1302383	
Logged By: Lindsay Mangin 2/12/2013	9:50:00 AM	
	9:50:00 AM () 9/100 9:52:53 AM ()	
Reviewed By: A	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
	5]
<u>Chain of Custody</u>	Yes 🗌 No 💭 Not Present 🗹	
1. Were seals intact? 2. Is Chain of Custody complete?	Yes L No L Not Present L Yes I∕ No D Not Present D	
3. How was the sample delivered?	<u>Courier</u>	
<u>Log In</u>		
4. Coolers are present? (see 19. for cooler specific inform	nation) Yes 🗹 No 🗌 🛛 NA 🗌	
5. Was an attempt made to cool the samples?	Yes 🗹 No 🗍 🛛 NA 🗍	
6. Were all samples received at a temperature of >0° C to	0 6.0°C Yes 🗹 No 🗌 NA 🗌	
7. Sample(s) in proper container(s)?	Yes 🗹 No 🗌	
8. Sufficient sample volume for indicated test(s)?	Yes 🗹 No 🗌	
9. Are samples (except VOA and ONG) properly preserve	ed? Yes 🗹 No 🗋	
10. Was preservative added to bottles?	Yes 🗌 No 🗹 🛛 NA 🗍	
11. VOA vials have zero headspace?	Yes 🗌 No 🗌 No VOA Vials 🗹	
12. Were any sample containers received broken?]
 13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 	Yes V No H # of preserved bottles checked for pH:	
14. Are matrices correctly identified on Chain of Custody?	Yes	I)
15. Is it clear what analyses were requested?	Yes 🗹 No 🗌 Adjusted?	
16. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹 No 🗔 Checked by:	
Special Handling (if applicable)]
17. Was client notified of all discrepancies with this order?	Yes 🗌 No 💭 NA 🗹	
Person Notified:	Date:	
By Whom:	Via: 📋 eMail 🗌 Phone 📋 Fax 🛄 In Person	
Regarding:		
Client Instructions:		
18, Additional remarks:		

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19. Cooler Information

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

Chain-of-Custody Record Turn-Around Time:	
	ENVIRONMENTAL
	Illenvironmental.com
Mailing Address: 624 E. Comanche Enterprise Hubbard 25 #2 4901 Hawkins NE -	- Albuquerque, NM 87109
Farming Log AJM GTUDI Project #: Tel. 505-345-3975	
	Analysis Request
Thome #: 305-304-2201	
QA/QC Package:	PO4, SC
QA/QC Package: □ Standard □ Level 4 (Full Validation) T. Ross	
Accreditation Sampler: H. Woods H. L. Q. C. C. Q. S. □ NELAP □ Other 001/ce. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265. 01/265.	
$\square \text{ NELAP} \square \text{ Other} _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _$	or h
□ EDD (Type)Sample Lemperature & y & b D D D D D D D D D D D D D D D D D D	s (Y
Data Time Matrix Sample Paguest ID Container Preservative	been (F. 8 M
email or Fax#: Project Manager: (1) QA/QC Package: 7. Aoss Standard Level 4 (Full Validation) 7. Aoss Accreditation Sampler: H. Woods NELAP Other Onlice EDD (Type) Sample Request ID Container Type and # Preservative Type HEAI No. Date Time Matrix Sample Request ID Container Type and # Preservative Type HEAI No.	RCRA 8 Metals Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄) 8081 Pesticides / 8082 PCB's 8260B (VOA) 8270 (Semi-VOA) Air Bubbles (Y or N)
$\frac{2111131132}{402} = \frac{1132}{5011} = \frac{1132}$	
2/11/3 1208 Soil SC-3 MODHKL MUDH 787 X X	
2/11/13 4034 Soil SC-5 MEDHKIL MEDH -002 X X	
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Date: Time: Relinquished by: Received by: Date Time Remarks: Dut in Fin	Interprise Field Scruces
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Date: Time: Relinquished by: Received by: Date Time	
11/13 1757 Not Whele Maile Conus 02/12/13 0950	

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.

State of New Mexico Energy Minerals and Natural Resources

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

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

Form C-141-Revised August 8, 2011 ,.

1220 S. St. Emuric Dr. Sonto En NM 97505									
Santa	1 Fe, NM 8750	15		•					
Release Notification and Corrective Action									
	OPERAT	OR	Г	Initia	al Report	\boxtimes	Final Report		
Name of Company: Enterprise Field Services, LLC		Contact: Aaron Dailey							
Address: 614 Reilly Ave, Farmington, New Mexico		o: (505) 599-2	124						
Facility Name: Trunk K Pipeline	Facility Type	: Natural Gas	Pipeline						
Surface Owner: BLM Mineral Own	or DIM		·····	ADING					
Surface Owner: BLM Mineral Own	er: BLM			API No	•				
	ION OF RELI								
Unit LetterSectionTownshipRangeFeet from theNH2627N08W2620	orth/South Line North	Feet from the 80	1	est Line ast	County San Juan				
Latitude36.5446		-107.64407							
	RE OF RELE								
Type of Release: Condensate/Produced Water Mix		Release: 30-40			lecovered: N				
Source of Release: Natural Gas Pipeline Release	1	our of Occurrenc @ 08:00hours			Hour of Dis 2 @ 09:15				
Was Immediate Notice Given?	If YES, To	Whom?							
Yes No Not Requi	(NRC): NR	n Powell (NMO C Case Number:	1024192						
By Whom? Aaron Dailey	NRC contac	Date and Hour: OCD Aztec contacted (B. Powell) 9/12/2012 @ 08:17 hours; NRC contacted 9/12/2012 @ 10:20 hours If VES. Volume Imposting the Watercourse RCVD APR 24 113							
Was a Watercourse Reached?	If YES, Vol	If YES, Volume Impacting the Watercourse. NOVD HER 24 13 DIL CONS. DIV.							
				4	JIL GUNJ	. UIV			
If a Watercourse was Impacted, Describe Fully.*					DIST.		s		
				4 			•		
If a Watercourse was Impacted, Describe Fully.* No Watercourse Reached. Describe Cause of Problem and Remedial Action Taken.* Natural C				ased from	DIST.	3 C Pipeli	ne. Due to		
If a Watercourse was Impacted, Describe Fully.* No Watercourse Reached. Describe Cause of Problem and Remedial Action Taken.* Natural C the close proximity of the pipeline to Largo Canyon Wash (approxim environmental emergency personnel contacted, an emergency one-ca	ately 160 feet away I initiated. The rel	from release lo ease area was co	cation), th	ased from ne NRC an nd initial	DIST. the Trunk H nd NMOCD cleanup resp	3 C Pipeli	ne. Due to contacted,		
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* Attach Additional Sheets If Necessary

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ENTERPRISE PRODUCTS TRUNK K PIPELINE SPILL CLEANUP REPORT SECTION 26, TOWNSHIP 27 NORTH, RANGE 8 WEST SAN JUAN COUNTY, NEW MEXICO

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INTRODUCTION

Envirotech, Inc. of Farmington, New Mexico, was contacted by Enterprise Products to provide spill cleanup activities at the Enterprise Products, Trunk K Pipeline, located in San Juan County, New Mexico; see enclosed *Figure 1, Vicinity Map*. Cleanup activities included sampling, analysis, disposal of hydrocarbon impacted soil, documentation and reporting. Condensate was released from the Trunk K Pipeline due to multiple small holes resulting from pipe degradation. After the pipeline was isolated, due to the close proximity of the pipeline to Largo Canyon Wash (approximately 160 feet), the Bureau of Land Management (BLM) and New Mexico Oil Conservation Division (NMOCD) were contacted. An emergency one-call was then initiated and the area of release was contained; see enclosed *Figure 2, Site Map* and *Appendix B, Site Photography*.

ACTIVITIES PERFORMED

Envirotech, Inc. was contacted on September 12, 2012, with a request to perform cleanup activities at the above referenced location. Upon arrival, a brief site assessment was conducted and the regulatory standards for the site were determined to be 100 parts per million (ppm) total petroleum hydrocarbons (TPH) and 100 ppm organic vapors, due to a horizontal distance to surface water less than 200 feet from the location, a depth to ground water less than 50 feet, and a distance to a wellhead protection area greater 1000 feet, pursuant to NMOCD Guidelines for Remediation of Leaks, Spills, and Releases. Areas of concern included a hydrocarbon impacted area of 48 feet x 20 feet beginning on the pipe line right-of-way, and 140 feet x 18 feet in the lower wash area, located approximately 50 feet east of County Road 4990; see enclosed *Figure 2, Site Map.*

The entire area of release was divided into three (3) main sections: top north, top south, and lower wash area (bottom). Six (6) composite samples were collected; one (1) from the top north surface and one (1) from three (3) feet BGS; one (1) from the south surface and one (1) from three (3) feet BGS: one (1) from the lower bottom wash at the surface and one (1) from three (3) feet BGS. Samples were analyzed in the field for organic vapors using a Photoionization Detector (PID). All samples returned results above the regulatory standard for organic vapors. The samples were then collected into four (4)-ounce glass jars, capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015, and benzene and total BTEX using USEPA Method 8021. All samples, with the exception of the top north at three (3) feet BGS, returned results above regulatory standards for all constituents analyzed; see enclosed *Table 1, Summary of Analytical Results – Spill Cleanup Samples*. Envirotech, Inc. recommended excavation of the pipe line right-of-way and re-sampling.

Envirotech personnel returned to the site on September 13, 2012, to continue spill cleanup and assessment activities. Energy Maintenance Services (EMS) personnel of Bloomfield, New Mexico arrived on-site to assess and begin removal of hydrocarbon contaminated soil within the

right-of-way, using an excavator. The affected areas included the soil surrounding the pipeline, within the right-of-way, and the soil to the east of the pipeline, approximately 30 feet from the high-water mark of Largo Canyon Wash. An area of approximately 55 feet by five (5) feet by six (6) feet deep had been excavated for pipeline inspection. During excavation of the upper ridge, there was historical soil contamination found down towards the pipe line. Contaminated soil from within the right-of-way was transported to Envirotech's NMOCD permitted Soil Remediation Facility, Landfarm #2 near Hill Top, New Mexico; see enclosed Appendix C, Bills of Lading. The BLM was on-site to inspect contaminated soil located outside of the pipeline right-of-way. During delineation activities, 16 samples were screened in the field for TPH using USEPA Method 418.1 and organic vapors using a photoionization detector to locate extents of release. Four (4) samples were collected from the lower wash (bottom), five (5) were collected from the south exposures of the pipe line excavation, five (5) were collected from the north exposures of the pipe line excavation, one (1) composite sample from the spoil pile of contaminated soil and one (1) composite of the entire pipe line trench. All samples, with the exception of the spoil pile and trench composite, returned results below regulatory limits for organic vapors. All samples returned results above regulatory standard for TPH; see enclosed Table 1, Summary of Analytical Results - Spill Cleanup Samples, and Figure 3, Delineation Map. Samples collected from the north trench exposure and the trench contaminated center were collected into four (4)-ounce glass jars, capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015 and benzene and total BTEX using USEPA Method 8021. Samples returned results above regulatory standards for all constituents analyzed, with the exception of benzene for the north trench exposure; see enclosed Table 1, Summary of Analytical Results - Spill Cleanup Samples and Appendix A, Analytical Results. Envirotech, Inc. recommended further excavation of the center west area of the trench and re-sampling.

Envirotech personnel returned to the site on September 18, 2012, to perform confirmation sampling of the contaminated center area of the excavation. The center west area was excavated to the extents of 15 feet and the center east was excavated to the extents of 19 feet from the pipe line by EMS personnel. During delineation, seven (7) samples were screened in the field for TPH using USEPA Method 418.1 and for organic vapors using a photoionization detector to locate the extents deeper into the excavation. Samples included one (1) composite of the north exposure inside the trench, one (1) composite of the south exposure inside the trench, one (1) composite of the center contamination inside of the trench, one (1) from the eastern side of the center contamination and three (3) from the western side of the center contamination, due to the visual staining highly concentrated on the west wall. The western wall was divided into a southwest and northwest section, both excavated at 22 feet away from the original trench. Samples returned results above regulatory standards for TPH, but below regulatory standards on organic vapors; see enclosed Table 1, Summary of Analytical Results - Spill Cleanup Samples and Table 2, Summary of Analytical Results - Closure Samples. Samples collected from the north, south, southwest and northwest exposures were collected into four (4)-ounce glass jars, capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015. Samples returned results of non-detect, thus closing to regulatory standards the top excavation area of the pipeline

right-of-way; see enclosed Table 1, Summary of Analytical Results – Spill Cleanup Samples and Table 2, Summary of Analytical Results – Closure Samples and Appendix A, Analytical Results. Due to the lower wash (bottom) being located less than 200 feet from Largo Wash, the BLM and Enterprise Products requested that no heavy excavation be performed in that area. Envirotech, Inc recommended applying Micro Blaze to areas above regulatory standards in the lower wash area.

On September 12 and 13, 2012, approximately 614 cubic yards of contaminated soil were transported to Envirotech's NMOCD permitted soil remediation facility, Landfarm 2, located near Hilltop, New Mexico; see enclosed *Appendix C, Bills of Lading*.

Envirotech personnel returned to the site on September 28, 2012, to apply Micro Blaze on the lower bottom wash. Upon arrival, a brief site assessment was conducted with Enterprise Environmental representative, Aaron Dailey, and the BLM representative, Sherry Landon. After the assessment, Envirotech personnel applied 150 gallons of Micro Blaze solution to the lower bottom wash area for the remediation of hydrocarbon impacted soil. Envirotech then informed Enterprise Products that, after a 30-day period, Envirotech personnel would return to collect samples of the affected area to monitor progress of the Micro Blaze remediation. Upon completion of all activities, the site will be re-contoured and re-seeded as specified by the BLM; see enclosed *Figure 4, Micro Blaze Area*.

On October 18, 2012, Envirotech personnel returned to the site to collect samples from the affected area. Two (2) composite samples were collected; one (1) from the bottom north and one (1) from the bottom south. Both samples were placed into four (4)-ounce glass jars, capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015 and benzene and total BTEX using USEPA Method 8021. The bottom north sample returned results below regulatory standard, but the bottom south composite returned results above regulatory standard for TPH. Both samples returned results below regulatory standard for total BTEX; see enclosed *Table 2, Summary of Analytical Results – Closure Samples* and *Appendix A, Analytical Results*. Envirotech recommended additional application of Micro Blaze and returning for further sampling.

On December 4, 2012, Envirotech personnel returned to the site for additional application of Micro Blaze. Approximately 150 gallons of Micro Blaze solution was applied for the remediation of hydrocarbon impacted soil in the lower wash (bottom) south exposure.

On January 4, 2013, Envirotech personnel returned to the site for further sampling of the affected area. One (1) composite sample was collected from the bottom south area and placed into a four (4)-ounce glass jar, capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for total BTEX using USEPA Method 8021. The sample returned results below the regulatory standard for total BTEX; see enclosed *Table 2, Summary of Analytical Results – Closure Samples* and *Appendix A, Analytical Results*. Envirotech recommends returning to sample lower south to be analyzed for TPH.

On March 7, 2013, Envirotech personnel returned to the site for further sampling of the affected area. One (1) composite sample was collected from the bottom south area and placed into a four (4)-ounce glass jar, capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015. Sample returned results of non-detect for TPH see enclosed *Table 2, Summary of Analytical Results – Closure Samples* and *Appendix A, Analytical Results*. Envirotech recommends returning in the spring for reseeding and recon touring of the excavation area.

SUMMARY AND CONCLUSIONS

Spill cleanup activities were performed for a release of condensate on the Enterprise Products, Trunk K Pipeline, located in San Juan County, New Mexico. Approximately 614 cubic yards of contaminated soil were transported to Envirotech's NMOCD permitted soil remediation facility, Landfarm 2. Approximately 439 cubic yards of clean fill soil was transported back to the excavation site for recontouring and compaction purposes. The lower bottom wash area was treated with 300 gallons of Micro Blaze solution to provide low-impact remediation on vegetation. The site will also be re-contoured and re-seeded as specified by the BLM.

STATEMENT OF LIMITATIONS

Envirotech, Inc. has completed spill cleanup activities for the Enterprise Products, Trunk K Pipeline right-of-way, located in San Juan County, New Mexico. The work and services provided by Envirotech, Inc. were in accordance with the New Mexico Oil Conservation Division standards. All observations and conclusions provided here are based on the information and current site conditions found at the site of the incident.

The undersigned has conducted this service at the above referenced site; this work has been conducted and reported in accordance with generally accepted professional practices in geology, engineering, environmental chemistry and hydrogeology.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted,

ENVIROTECH, INC.

Reviewed by:

on for

Kory Peine ' Environmental Field Technician kpeine@envirotech-inc.com

Im for

Greg Crabtree, PE Environmental Manager gcrabtree@envirotech-inc.com

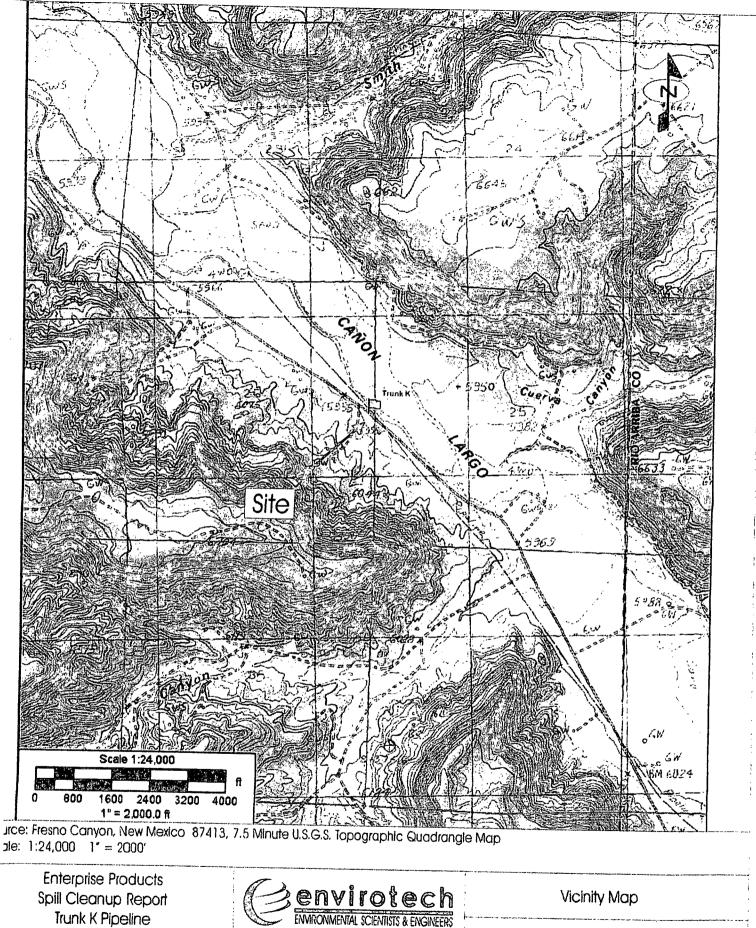
FIGURES

Figure 1, Vicinity Map

Figure 2, Site Map

Figure 3, Delineation Map

Figure 4, Micro Blaze Area



San Juan County, New Mexico

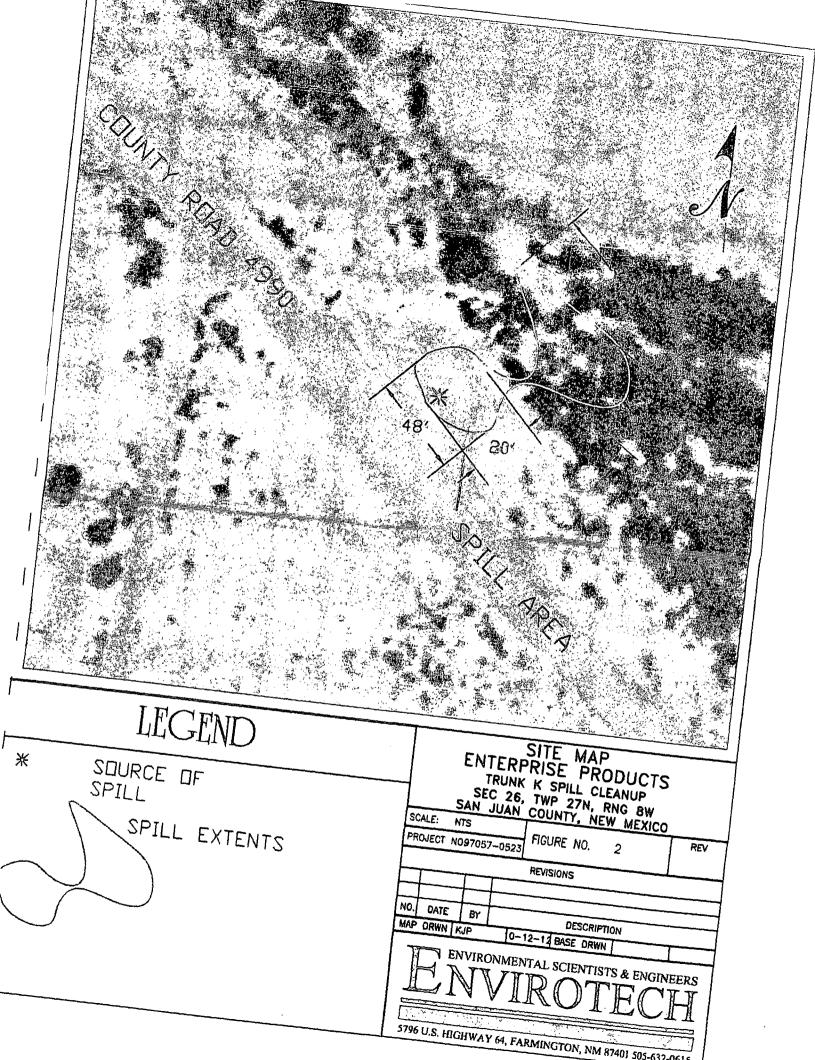
гло JECT No 97057-0523 Date Drawn: 10/3/12

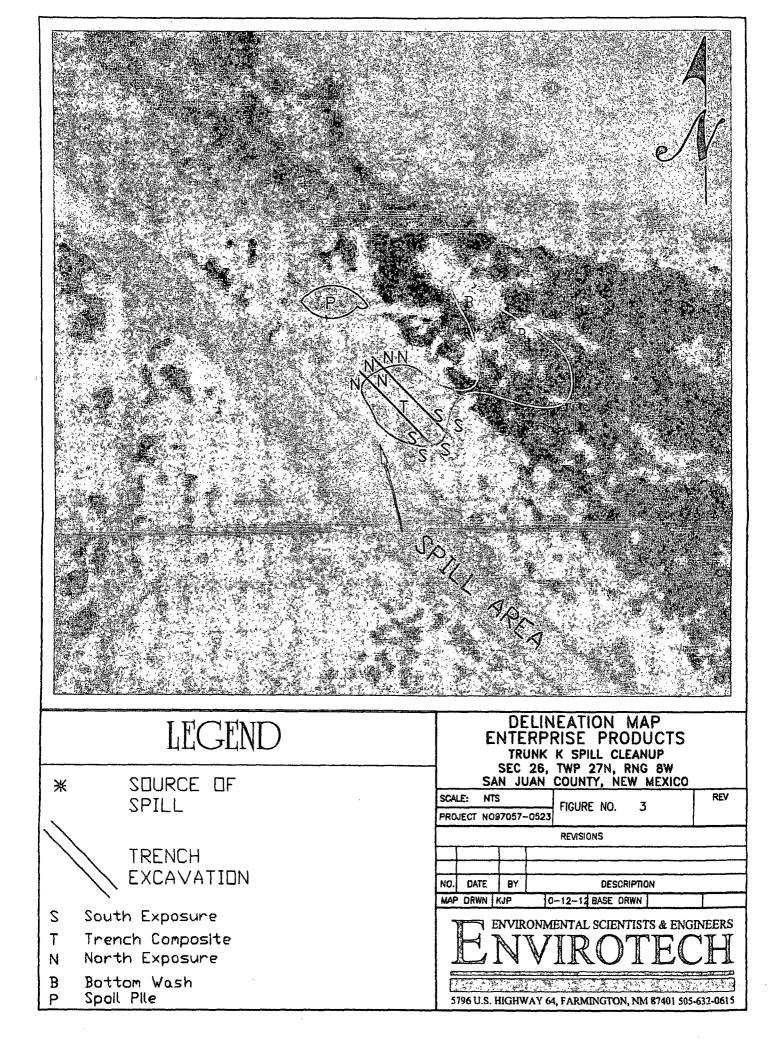
5796 U.S. HIGHWAY 64 Farmington, New Mexico 87401 505.632.0615

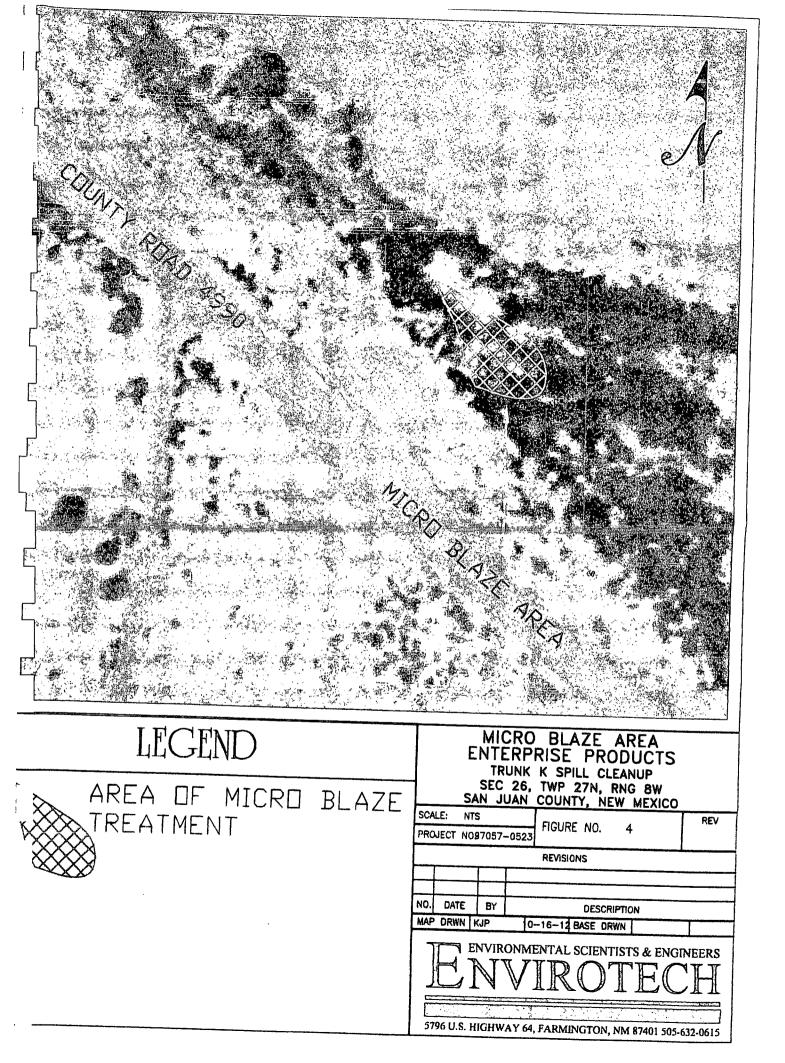
DRAWN BY: Christopher Arrigo

Figure 1

PROJECT MANAGER: Greg Crabtree







TABLES

Table 1, Summary of Analytical Results – Spill Cleanup SamplesTable 2, Summary of Analytical Results – Closure Samples

Table 1, Summary of Analytical Results Enterprise Products Trunk K Spill Cleanup Samples Spill Cleanup Report Project Number 97057-0523

,

				USEPA Method	USEPA Method	USEPA N	lethod 8021
		Sample	PID OV	418.1 TPH	8015 TPH	Benzene	
Date	Sample Description	Number	(ppm)	(ppm)	(ppm)	(ppm)	BTEX (ppm)
	New Mexico Oil Conservation		a Barra	A MARINE AND	100		
NA	División Standards	NA	100.0	100	100	10	50
9/12/2012	Top North Surface	1	1,146.0	NS		1.62	162
9/12/2012	Top North at 3' BGS	2	218.0	NS	5.9	ND	0.07
9/12/2012	Top South Surface	3	723.0	NS	1,440	0.03	7.68
9/12/2012	Top South at 3' BGS	4	135.0	NS	1,130	0.13	5.52
9/12/2012	Bottom Surface	5	2,201.0	NS	14,000	25.3	939
9/12/2012	Bottom at 3' BGS	6	2,871.0	NS	4,550	6.98	334
	With the stand of the stand	Sec. 16					
9/13/2012	2nd Bottom Surface	1	46.3	4860	NS	NS	NS
9/13/2012	Bottom at 8" BGS	2	91.0	268	NS	NS	NS
9/13/2012	Bottom at 2' BGS	3	8.1	168	NS	NS	NS
9/13/2012	Bottom at 3.5' BGS	4	5.4	152	NS	NS	NS
9/13/2012	Outer South Surface	5	2.3	268	NS	NS	NS
9/13/2012	Outer South at 8" BGS	6	23.6	136	NS	NS	NS
9/13/2012	Outer South at 2' BGS	7	5.7	184	NS	NS	NS
9/13/2012	Outer South at 3.5' BGS	8	3.2	252	NS	NS	NS
9/13/2012	Outer North Surface	9	1.9	212	NS	NS	NS
9/13/2012	Outer North at 8" BGS	10	1.4	156	NS	NS	NS
9/13/2012	Outer North at 2' BGS	11	1.2	188	NS	NS	NS
9/13/2012	Outer North at 3.5' BGS	12	1.3	228	NS	NŚ	NS
9/13/2012	Spoil Pile	13	1,264.0	4616	NS	NS	NS
9/13/2012	South Trench Comp	14	74.0	284	NS	NS	NS
9/13/2012	Trench Contaminated Center	15	974.0	5028	37,100	68.1	1740.00
9/13/2012	North Trench Comp	16	1,093.0	7384	5,650	0.005	340.00
9/18/2012	Center Comp	3	352.0	616	NS	NS	NS
9/18/2012	Center West 15'	4	136.0	1,168	NS	NS	NS
9/18/2012	Center East 19'	5	15.9	96	NS	NS	NS

NS - Parameter not sampled ND - Parameter not detected

Values in **BOLD** above regulatory limits * - High surrogate recovery due to interference

Table 2, Summary of Analytical Results Enterprise Products Trunk K Closure Samples Spill Cleanup Report Project Number 97057-0523

				USEPA Method	USEPA Method	USEPA Me	thod 8021
		Sample	PID OV	418.1 TPH	8015 TPH	Benzene	BTEX
Date	Sample Description	Number	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	New Mexico Oil Conservation						
NA	Division Standards	NA	100.0	100	100	10	50
9/18/2012	North Exposure	1	7.0	224	ND	NS	NS
9/18/2012	South Exposure	2	25.8	204	ND	NS	NS
9/18/2012	Center Southwest 22'	6	33.6	128	ND	NS	NS
9/18/2012	Center Northwest 22'	7	27.3	224	ND	NS	NS
·				· · · · ·			
10/18/2012	Bottom North Comp	1	76.4	NS	58.1	ND	15.60
10/18/2012	Bottom South Comp	2	223.3	NS	326	ND	5.20
1/4/2013	Bottom South Comp	1	1,562.0	NS	NS	0.25	28.20
3/7/2013	Bottom South Comp	1	NS	NS	ND	NS	NS

Values in **BOLD** above regulatory limits

NS - Parameter not sampled ND - Parameter not detected

* - High surrogate recovery due to interference

APPENDIX A

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Analytical Results



Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	1	Date Reported:	2/8/2013
Sample ID:	North Exposure	Date Sampled:	9/18/2012
Sample Matrix:	Soil	Date Analyzed:	9/18/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons2245.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Trunk K Pipeline

Instrument calibrated to 200 ppm standard and zeroed before each sample.

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Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	2	Date Reported:	2/8/2013
Sample ID:	South Exposure	Date Sampled:	9/18/2012
Sample Matrix:	Soil	Date Analyzed:	9/18/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons	204	5.0
------------------------------	-----	-----

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Trunk K Pipeline

Instrument calibrated to 200 ppm standard and zeroed before each sample.

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hree Springs • 65 Mercado Street, Suite 115, Durango, CO 81301	Ph (970) 259-0615	Fr (800) 362-1879	ally and a log and a log and a log and a log a l



Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	3	Date Reported:	2/8/2013
Sample ID:	Center Comp	Date Sampled:	9/18/2012
Sample Matrix:	Soil	Date Analyzed:	9/18/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons	616	5.0
------------------------------	-----	-----

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Trunk K Pipeline

Instrument calibrated to 200 ppm standard and zeroed before each sample.

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rree Springs • 65 Mercado Street, Suite 115, Durango, CO 81301	Ph (970) 259-0615	Fr (800) 362-1879	mlogeneitetech inc.com



Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	4	Date Reported:	2/8/2013
Sample ID:	Center West 15'	Date Sampled:	9/18/2012
Sample Matrix:	Soil	Date Analyzed:	9/18/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons	1,170	5.0
------------------------------	-------	-----

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Trunk K Pipeline

Instrument calibrated to 200 ppm standard and zeroed before each sample.

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Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	5	Date Reported:	2/8/2013
Sample ID:	Center East 19'	Date Sampled:	9/18/2012
Sample Matrix:	Soil	Date Analyzed:	9/18/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons	96	5.0
------------------------------	----	-----

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Trunk K Pipeline

Instrument calibrated to 200 ppm standard and zeroed before each sample.

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ree Springs • 65 Mercado Street, Suite 115, Durango, CO 81301	Ph (970) 259-0615	Fr (800) 362-1879	infogenvirourd)-linc.com]	



Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	6	Date Reported:	2/8/2013
Sample ID:	Center Southwest 22'	Date Sampled:	9/18/2012
Sample Matrix:	Soil	Date Analyzed:	9/18/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons1285.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Trunk K Pipeline

Instrument calibrated to 200 ppm standard and zeroed before each sample.

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hree Springs • 65 Mercado Street, Suite 115, Durango, CO 81301	Ph (970) 259-0615	Fr (800) 362-1879	niogenticled)-inc.com



Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	7	Date Reported:	2/8/2013
Sample ID:	Center Northwest 22	Date Sampled:	9/18/2012
Sample Matrix:	Soil	Date Analyzed:	9/18/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons2245.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Trunk K Pipeline

Instrument calibrated to 200 ppm standard and zeroed before each sample.

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 Cal. Date:
 18-Sep-12

 Standard
 Concentration

 Concentration
 Reading

 Parameter
 mg/L
 mg/L

 TPH
 100

 200
 197

 500
 1000

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

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Date

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Date

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2/8/2013

2/8/2013

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Report Summary

Client: Enterprise Chain of Custody Number: 14463 Samples Received: 09-19-12 Job Number: 97057-0523 Sample Number(s): 63279-63282 Project Name/Location: Spill Assessment/ Trunk K

Date: _ 9/20/12 Entire Report Reviewed By:

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

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Client:	Enterprise	Project #:	97057-0523
Sample ID:	North Exposure	Date Reported:	09-20-12
Laboratory Number:	63279	Date Sampled:	09-18-12
Chain of Custody No:	14463	Date Received:	09-19-12
Sample Matrix:	Soil	Date Extracted:	09-19-12
Preservative:	Cool	Date Analyzed:	09-19-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

- References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
- Comments: Spill Assesment / Trunk K

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EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Enterprise	Project #:	97057-0523
Sample ID:	South Exposure	Date Reported:	09-20-12
Laboratory Number:	63280	Date Sampled:	09-18-12
Chain of Custody No:	14463	Date Received:	09-19-12
Sample Matrix:	Soil	Date Extracted:	09-19-12
Preservative:	Cool	Date Analyzed:	09-19-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	
Gasoline Range (C5 - C10)	ND	0.2	
Diesel Range (C10 - C28)	ND	0.1	
Total Petroleum Hydrocarbons	ND		

ND - Parameter not detected at the stated detection limit.

- References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
- Comments: Spill Assesment / Trunk K





EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Enterprise	Project #:	97057-0523
Sample ID:	Center Southwest 22'	Date Reported:	09-20-12
Laboratory Number:	63281	Date Sampled:	09-18-12
Chain of Custody No:	14463	Date Received:	09-19-12
Sample Matrix:	Soil	Date Extracted:	09-19-12
Preservative:	Cool	Date Analyzed:	09-19-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	
Gasoline Range (C5 - C10)	ND	0.2	
Diesel Range (C10 - C28)	ND	0.1	
Total Petroleum Hydrocarbons	ND		

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Spill Assesment / Trunk K





EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Enterprise	Project #:	97057-0523
Sample ID:	Center Northwest 22'	Date Reported:	09-20-12
Laboratory Number:	63282	Date Sampled:	09-18-12
Chain of Custody No:	14463	Date Received:	09-19-12
Sample Matrix:	Soil	Date Extracted:	09-19-12
Preservative:	Cool	Date Analyzed:	09-19-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	
Gasoline Range (C5 - C10)	ND	0.2	
Diesel Range (C10 - C28)	ND	0.1	
Total Petroleum Hydrocarbons	ND		

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Spill Assesment / Trunk K

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Quality Assurance Report

Olionte	04/00		D		N1/A
Client:	QA/QC		Project #:		N/A
Sample ID:	0919TCAL QA/		Date Reported:		09-20-12
Laboratory Number:	63204		Date Sampled:		N/A
Sample Matrix:	Methylene Chlo	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		09-19-12
Condition:	N/A		Analysis Reque	sted:	ТРН
	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept: Range
Gasoline Range C5 - C10	09-19-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%
Diesel Range C10 - C28	09-19-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%
Blank Conc. (mg/L - mg/l	(a)	Concentration		Detection Lim	ara Nit
Gasoline Range C5 - C10	a an	ND	r na statisticke van Star F	0.2	Ϋ́Δ΄
Diesel Range C10 - C28		ND		0.1	
Total Petroleum Hydrocarbor	IS	ND			
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept: Rang	je
Gasoline Range C5 - C10	23.4	26.1	11.5%	0 - 30%	×*
Diesel Range C10 - C28	70.2	81.9	16.7%	0 - 30%	
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	23.4	250	222	81.2%	75 - 125%
Diesel Range C10 - C28	70.2	250	281	87.8%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Was SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 63204-63213 and 63279-63282.



14463

CHAIN OF CUSTODY RECORD

Client: EnterOsise		e le	oject Name / Locati pî. 11 Assessr		/ Teur	١K	K					A	NAL	/SIS	/ PAI	RAF	ETER	IS			
Email results to: Kocy Peine		Sa	mpler Name:	Poi	ne			3015)	8021)	8260)	s				-						
Client Phone Ne.		Cli	ent No.: 970	57-	.052	2,3	3	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CO Table 910-1	418.1)	RIDE			Sample Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.		Volume ontainers	Pi HgCi ₂	HCI Car	HdT (BTEX	VOC (RCRA	Cation	RCI	TCLP	CO Ta	TPH (418.1)	CHLORIDE			Sampl	Samp
Nosth Exposure	9-18-12	10:10	63279	140	z Jac			X												X	\mathbb{X}
North Exposure South Exposure	9-18-12	10:15	63280	140.	zJar		LΧ	X	ļ											k	X
Center Suithwest 22'	9-18-12	14:15	63481		2 Jar			X												K	X
Centes Nathwest 22'	9-18-12	15:00	63282	140.	z Jas		X	Х												Ķ	X
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Relinquished by: (Signature)	\square		l	Date	Time (Recej	Ned by: (Si	goat	ure)										Da		Time
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Sample Matrix Soil 🖌 Solid 🗌 Sludge 🗌	Aqueous 🗌	Other 🗌																			
Sample(s) dropped off after 1 Rush Plea	nours to sec	cure drop off	farea.	30			D e (al Labord														
5795 Un 1994 Vay 44	- ^L armi	NN	• 5 061	e S	• 65	10	do <u>Si</u>	uli	D	ur	20	2	•	lai	<u>y</u>	<u>@</u> ;	. .	ch	m		۱



Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	1	Date Reported:	2/8/2013
Sample ID:	2nd Bottom Surface	Date Sampled:	9/13/2012
Sample Matrix:	Soil	Date Analyzed:	9/13/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons	4,850	5.0
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Trunk K Pipeline

Instrument calibrated to 200 ppm standard and zeroed before each sample.

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Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	2	Date Reported:	2/8/2013
Sample ID:	Bottom @ 8" BGS	Date Sampled:	9/13/2012
Sample Matrix:	Soil	Date Analyzed:	9/13/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons	268	5.0
------------------------------	-----	-----

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Trunk K Pipeline Comments:

Instrument calibrated to 200 ppm standard and zeroed before each sample.

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Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	3	Date Reported:	2/8/2013
Sample ID:	Bottom @ 2' BGS	Date Sampled:	9/13/2012
Sample Matrix:	Soil	Date Analyzed:	9/13/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

- · · · · · · · · · · · · · · · · · · ·		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons	168	5.0
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Trunk K Pipeline

Instrument calibrated to 200 ppm standard and zeroed before each sample.

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Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	4	Date Reported:	2/8/2013
Sample ID:	Bottom @ 3.5' BGS	Date Sampled:	9/13/2012
Sample Matrix:	Soil	Date Analyzed:	9/13/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons1525.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Trunk K Pipeline

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Analyst

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'hree Springs - 65 Mercado Street, Suite 115, Durango, CO 81301	Ph (970) 259-0615	Fr (800) 362-1879	hiseenticee-luc.com



Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	5	Date Reported:	2/8/2013
Sample ID:	Outer South Surface	Date Sampled:	9/13/2012
Sample Matrix:	Soil	Date Analyzed:	9/13/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		
		Analysis Needed:	TPH-418.1

······································		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons2685.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Trunk K Pipeline

Instrument calibrated to 200 ppm standard and zeroed before each sample.

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Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	6	Date Reported:	2/8/2013
Sample ID:	Outer South @ 8" BGS	Date Sampled:	9/13/2012
Sample Matrix:	Soil	Date Analyzed:	9/13/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons	136	5.0
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Trunk K Pipeline

Instrument calibrated to 200 ppm standard and zeroed before each sample.

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Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	7	Date Reported:	2/8/2013
Sample ID:	Outer South @ 2' BGS	Date Sampled:	9/13/2012
Sample Matrix:	Soil	Date Analyzed:	9/13/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons	184	5.0
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Trunk K Pipeline

Instrument calibrated to 200 ppm standard and zeroed before each sample.

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Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	8	Date Reported:	2/8/2013
Sample ID:	Outer South @3.5' BGS	Date Sampled:	9/13/2012
Sample Matrix:	Soil	Date Analyzed:	9/13/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	. (mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons 252 5.0

ND = Parameter not detected at the stated detection limit.

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis **References:** of Water and Waste, USEPA Storet No. 4551, 1978.

Trunk K Pipeline Comments:

Instrument calibrated to 200 ppm standard and zeroed before each sample.

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Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	9	Date Reported:	2/8/2013
Sample ID:	Outer North Surface	Date Sampled:	9/13/2012
Sample Matrix:	Soil	Date Analyzed:	9/13/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons	212	5.0
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Trunk K Pipeline

Instrument calibrated to 200 ppm standard and zeroed before each sample.

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Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	10	Date Reported:	2/8/2013
Sample ID:	Outer North @ 8" BGS	Date Sampled:	9/13/2012
Sample Matrix:	Soil	Date Analyzed:	9/13/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons	156	5.0
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Trunk K Pipeline Comments:

Instrument calibrated to 200 ppm standard and zeroed before each sample.

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Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	11	Date Reported:	2/8/2013
Sample ID:	Outer North @ 2' BGS	Date Sampled:	9/13/2012
Sample Matrix:	Soil	Date Analyzed:	9/13/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons	188	5.0
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Trunk K Pipeline

Instrument calibrated to 200 ppm standard and zeroed before each sample.

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Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	12	Date Reported:	2/8/2013
Sample ID:	Outer North @ 3.5' BGS	Date Sampled:	9/13/2012
Sample Matrix:	Soil	Date Analyzed:	9/13/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons 228 5.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments Trunk K Pipeline

Instrument calibrated to 200 ppm standard and zeroed before each sample.

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Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	13	Date Reported:	2/8/2013
Sample ID:	Spoil Pile	Date Sampled:	9/13/2012
Sample Matrix:	Soil	Date Analyzed:	9/13/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons 4,620

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments Trunk K Pipeline

Instrument calibrated to 200 ppm standard and zeroed before each sample.

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Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	14	Date Reported:	2/8/2013
Sample ID:	South Trench Comp	Date Sampled:	9/13/2012
Sample Matrix:	Soil	Date Analyzed:	9/13/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons	284	5.0
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments Trunk K Pipeline

Instrument calibrated to 200 ppm standard and zeroed before each sample.

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Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	15	Date Reported:	2/8/2013
Sample ID:	Center Trench Contam	Date Sampled:	9/13/2012
Sample Matrix:	Soil	Date Analyzed:	9/13/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons	5,030	5.0
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments Trunk K Pipeline

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Analvst

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Client:	Enterprise Products	Project #:	97057-0523
Sample No.:	16	Date Reported:	2/8/2013
Sample ID:	North Trench Comp	Date Sampled:	9/13/2012
Sample Matrix:	Soil	Date Analyzed:	9/13/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons 7,380 5.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments Trunk K Pipeline

Instrument calibrated to 200 ppm standard and zeroed before each sample.

UN Analyst

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Cal. Date: 13-Sep-12

Parameter	Standard Concentration mg/L	Concentration Reading mg/L	
ТРН	100		
	200	199	
	500		
	1000		

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Anal

Kory Peine Print Name

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2/8/2013

2/8/2013

Date

Date

Toni McKnight, EIT Print Name

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Report Summary

Client: Enterprise Chain of Custody Number: 14441 Samples Received: 09-14-12 Job Number: 97057-0523 Sample Number(s): 63232-63234 Project Name/Location: Spill Assessment/ Trunk K

Date: 9/18/12-Entire Report Reviewed By:

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

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EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Enterprise	Project #:	97057-0523
Sample ID:	Trench Contam Center	Date Reported:	09-17-12
Laboratory Number:	63232	Date Sampled:	09-13-12
Chain of Custody No:	14441	Date Received:	09-14-12
Sample Matrix:	Soil	Date Extracted:	09-14-12
Preservative:	Cool	Date Analyzed:	09-17-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	32,200	0.2
Diesel Range (C10 - C28)	4,880	0.1
Total Petroleum Hydrocarbons	37,100	

ND - Parameter not detected at the stated detection limit.

- References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
- Comments: Spill Assessment/ Trunk K





EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Enterprise	Project #:	97057-0523
Sample ID:	Trench Comp	Date Reported:	09-17-12
Laboratory Number:	63233	Date Sampled:	09-13-12
Chain of Custody No:	14441	Date Received:	09-14-12
Sample Matrix:	Soil	Date Extracted:	09-14-12
Preservative:	Cool	Date Analyzed:	09-17-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1,190	0.2
Diesel Range (C10 - C28)	1,700	0.1
Total Petroleum Hydrocarbons	2,890	

ND - Parameter not detected at the stated detection limit.

- References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
- Comments: Spill Assessment/ Trunk K

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EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Enterprise	Project #:	97057-0523
Sample ID:	North Trench Comp	Date Reported:	09-17-12
Laboratory Number:	63234	Date Sampled:	09-13-12
Chain of Custody No:	14441	Date Received:	09-14-12
Sample Matrix:	Soil	Date Extracted:	09-14-12
Preservative:	Cool	Date Analyzed:	09-17-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	
Gasoline Range (C5 - C10)	3,320	0.2	
Diesel Range (C10 - C28)	2,330	0.1	
Total Petroleum Hydrocarbons	5,650		

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Spill Assessment/ Trunk K





EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC		Project #:		N/A
Sample ID:	0917TCAL QA/	QC	Date Reported:		09-17-12
Laboratory Number:	63232		Date Sampled:		N/A
Sample Matrix:	Methylene Chlo	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		09-17-12
Condition:	N/A		Analysis Reques	sted:	TPH
	I-Cal Date	I-Cal RF	C-Cal RE	% Difference	Accept. Range
Gasoline Range C5 - C10	09-17-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%
Diesel Range C10 - C28	09-17-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%
Blank Conc. (mg/L - mg/k	(g)	Concentration	D	etection Lim	it.
Gasoline Range C5 - C10		ND		0.2	
Diesel Range C10 - C28		ND		0.1	
Total Petroleum Hydrocarbon	s	ND			
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference A	Accept. Rang	le
Gasoline Range C5 - C10	32,200	31,200	3.1%	0 - 30%	
Diesel Range C10 - C28	4,880	4,920	0.8%	0 - 30%	
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	32,200	250	27,300	84.1%	75 - 125%
Diesel Range C10 - C28	4,880	250	4,840	94.3%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Was SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 63232-63241

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Client:	Enterprise	Project #:	97057-0523
Sample ID:	Trench Contam Center	Date Reported:	09-17-12
Laboratory Number:	63232	Date Sampled:	09-13-12
Chain of Custody:	14441	Date Received:	09-14-12
Sample Matrix:	Soil	Date Analyzed:	09-17-12
Preservative:	Cool	Date Extracted:	09-14-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	200
			Det.
	Concer	ntration L	.imit
Parameter	(ug/K	g) (ug	/Kg)
Benzene	(58,100	40.0
Toluene	54	47,000	40.0
Ethylbenzene	19	94,000	40.0
p,m-Xylene	6	12,000	40.0
o-Xylene			40.0
Total BTEX	1,74	40,000	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:		Parameter	Percent Recovery
		Fluorobenzene	145 % *
		1,4-difluorobenzene	137 % *
		Bromochlorobenzene	91.4 %
References:	Method 5 Decembe	030B, Purge-and-Trap, Test Methods for E er 1996.	Evaluating Solid Waste, SW-846, USEPA,
	Method 8	8021B, Aromatic Volatile Organics, Test Me	ethods for Evaluating Solid Waste, SW-846

USEPA, December 1996.

Comments: Spill Assessment/ Trunk K

* Note: High recovery due to interference





Client:	Enterprise	Project #:		97057-0523
Sample ID:	Trench Comp	Date Report	ed:	09-17-12
Laboratory Number:	63233	Date Sampl	ed:	09-13-12
Chain of Custody:	14441	Date Receiv	ed:	09-14-12
Sample Matrix:	Soil	Date Analyz	ed:	09-17-12
Preservative:	Cool	Date Extrac	ted:	09-14-12
Condition:	Intact	Analysis Re	quested:	BTEX
		Dilution:		50
			Det.	
		Concentration	Limit	
Parameter		(ug/Kg)	(ug/Kg)	
_				
Benzene		3,310	10.0	
Toluene		43,500	10.0	
Ethylbenzene	•	10.000		
Luiyibenzene		12,900	10.0	
p,m-Xylene		12,900 64,500	10.0 10.0	
-		·		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:		Parameter	Percent Recovery
<u></u>		Fluorobenzene	109 %
		1,4-difluorobenzene	107 %
		Bromochlorobenzene	104 %
References:	Method 5 Decembe	•	Evaluating Solid Waste, SW-846, USEPA,
		8021B, Aromatic Volatile Organics, Test M December 1996.	ethods for Evaluating Solid Waste, SW-846

Comments: Spill Assessment/ Trunk K





Client:	Enterprise	Project #:		97057-0523
Sample ID:	North Trench Comp	Date Reported:		09-17-12
Laboratory Number:	63234	Date Sampled:		09-13-12
Chain of Custody:	14441	Date Received	: (09-14-12
Sample Matrix:	Soil	Date Analyzed:	;	09-17-12
Preservative:	Cool	Date Extracted	:	09-14-12
Condition:	Intact	Analysis Reque	ested:	BTEX
		Dilution:		100
			Det.	
	C	Concentration	Limit	
Parameter		(ug/Kg)	(ug/Kg)	
Benzene		5,420	20.0	
Toluene		90,300	20.0	
Ethylbenzene		32,700	20.0	
p,m-Xylene		149,000	20.0	
o-Xylene		63,000	20.0	
Total BTEX		340,000		

ND - Parameter not detected at the stated detection limit.

Surrogate Re	coveries:	Parameter	Percent Recovery
		Fluorobenzene	104 %
		1,4-difluorobenzene	102 %
		Bromochlorobenzene	115 %
References:	Method 5	030B, Purge-and-Trap, Test Methods for I	Evaluating Solid Waste, SW-846, USEPA,
	Decembe	er 1996.	

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846. USEPA, December 1996.

Comments: Spill Assessment/ Trunk K





EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Pr	oject #:	N//	4				
Sample ID:	0917BCA2 QA/QC		ate Reported:	09-17-12					
_aboratory Number:	63232		ate Sampled:	N//	N/A				
Sample Matrix:	Soil	Da	ate Received:	N//	A				
Preservative:	N/A	Da	ate Analyzed:	09-17-12					
Condition:	N/A	A	nalysis:	BTEX 200					
n ny manana ana ang ang ang ang ang ang ang an		Di	lution:						
Calibration and	I-Cal RF:	C-Cal RF:	%Diff.	Blank	Detect.				
Detection Limits (ug/L))	ccept. Range 0-15%		Conc	Limit				
Benzene	7.3757E-06	7.4258E-06	0.007	ND	0.2				
Toluene	7.1298E-06	7.1297E-06	0.000	ND	0.2				
Ethylbenzene	8.0102E-06	8.0102E-06	0.000	ND	0.2				
p,m-Xylene	5.7817E-06	5.8088E-06	0.005	ND	0.2				
m,			0.000	ND	0.2				
o-Xylene Duplicate Conc. (ug/Kg)	8.1051E-06	8.1051E-06	0.000 %Diff. A 0.09	Accept Range	Detect. Limi 40				
o-Xylene Duplicate Conc. (ug/Kg) Benzene Toluene Ethylbenzene	68100 547000 194000	Duplicate 62000 574000 212000	%Diff. A 0.09 0.05 0.09	0 - 30% 0 - 30% 0 - 30% 0 - 30%	Detect. Lim 40 40 40				
o-Xylene Duplicate Conc. (ug/Kg) Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene	Sample 68100 547000 194000 612000 318000	Duplicate 62000 574000	%Diff. A 0.09 0.05 0.09 0.06 0.10	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	Detect. Limi 40 40 40 40 40 40				
o-Xylene Duplicate Conc. (ug/Kg) Benzene Toluene	Sample 68100 547000 194000 612000 318000	Duplicate 62000 574000 212000 648000 350000	%Diff. A 0.09 0.05 0.09 0.06 0.10	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	Detect. Limi 40 40 40 40				
Duplicate Conc. (ug/Kg) Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene Spike Conc. (ug/Kg) Benzene	Sample 68100 547000 194000 612000 318000 Sample A	Duplicate 62000 574000 212000 648000 350000	%Diff. A 0.09 0.05 0.09 0.06 0.10	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	Detect. Limi 40 40 40 40 40 40 40				
o-Xylene Duplicate Conc. (ug/Kg) Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene Spike Conc. (ug/Kg)	Sample 68100 547000 194000 612000 318000 318000 A Sample A 68100	Duplicate 62000 574000 212000 648000 350000	%Diff. A 0.09 0.05 0.09 0.06 0.10 piked Sample 57400	Ccept Range 0 - 30% 0 - 30% 0 - 30% 0 - 30% % Recovery 73.5	Detect. Limi 40 40 40 40 40 40 30 - 150				
o-Xylene Duplicate Conc. (ug/Kg) Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene Spike Conc. (ug/Kg) Benzene Toluene	68100 547000 194000 612000 318000 Sample A 68100 547000	Duplicate 62000 574000 212000 648000 350000 mount Spiked S 10000 10000	%Diff. A 0.09 0.05 0.09 0.06 0.10 spiked Sample 57400 552000	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30% % Recovery 73.5 99.1	Detect. Limi 40 40 40 40 40 40 Accept Range 39 - 150 46 - 148				

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

 References:
 Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

 December 1996.
 Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using

 Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 63232-63236

5796 US Highway 64, Farmington, NM 87401

14441

CHAIN OF CUSTODY RECORD

Client: Project Name / Location: / Trunk K Enterprise Spill Assessment / Trunk K							ANALYSIS / PARAMETERS														
									8015)	1 8021)					-						
Client Phone No.: Client No.: 970					, Peire 57-0523				I PH (Method 8015)	BIEX (Method 8021)	VUU (Method 8260) RCRA 8 Metals	Cation / Anion		TCLP with H/P	CO Table 910-1	418.1)	RIDE			Sample Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time		No.	Volume Pres		reservative	5 1 1		BIEX	RCRA	Cation	ВĊ	TCLP	CO Ta	TPH (418.1)	CHLORIDE			Sampt	Sampl
Trench Contam Center	7-13-12	14:4	5 10232	14	ez Jac lez Jac ez Jac			$\langle \rangle$	\times											X	X
Trench Comp	9-13-12	14:25	5 63233	14	loz Jos			$\langle \rangle$	X	X										Х	X,
Trench Comp North Trench Comp	9-13-12	14:45	5 63234	14	ozJas			$\langle \rangle$	$\langle \rangle$			_								X	X
N N																					
Relinquished by: (Signature)	1	\overline{A}		Date	1 k	Recei	ved by:	(Sign	ature)			ª	d	<u></u>				Date		me
Relinquished by: (Signature)	hoyt	en		9-1 4 2	14:10	\mathcal{J}	ved by:	$\frac{\omega}{\omega}$	\underline{m}	A	1						·		<u> 91.41</u>	<u>21</u>	tiq
neinquished by. (Signature)	Loo.					necei	veu by.	(Sign	aiure	V											
Sample Matrix																				T	
Soil 🗹 Solid 🗌 Sludge 🗌																			_	<u> </u>	
Sample(s) dropped off after 1	hours to sec		off area.		≥n∨i _{Analy}	ticc) e Il Labo	C prate	h >ry												
<u></u>	arm	NA	• ! 061	ee :	• 6.	ac	lc	. Sui		Du	-	0	•	lc	<u>'ry</u>	œ.	e	cl	m	_	



Report Summary

Client: Enterprise Chain of Custody Number: 14434 Samples Received: 09-13-12 Job Number: 97057-0523 Sample Number(s): 63221-63226 Project Name/Location: Trunk 1K Spill

Entire Report Reviewed By: Jain Date: 09-17-12

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

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Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Enterprise	Project #:	97057-0523
Sample ID:	Top North Surface	Date Reported:	09-14-12
Laboratory Number:	63221	Date Sampled:	09-12-12
Chain of Custody No:	14434	Date Received:	09-13-12
Sample Matrix:	Soil	Date Extracted:	09-13-12
Preservative:	Cool	Date Analyzed:	09-14-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	417	0.2
Diesel Range (C10 - C28)	243	0.1
Total Petroleum Hydrocarbons	661	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Trunk 1K Spill

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EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Enterprise	Project #:	97057-0523
Sample ID:	Top North at 3'	Date Reported:	09-14-12
Laboratory Number:	63222	Date Sampled:	09-12-12
Chain of Custody No:	14434	Date Received:	09-13-12
Sample Matrix:	Soil	Date Extracted:	09-13-12
Preservative:	Cool	Date Analyzed:	09-14-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	5.9	0.1
Total Petroleum Hydrocarbons	5.9	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Trunk 1K Spill

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EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Enterprise	Project #:	97057-0523
Sample ID:	Top South Surface	Date Reported:	09-14-12
Laboratory Number:	63223	Date Sampled:	09-12-12
Chain of Custody No:	14434	Date Received:	09-13-12
Sample Matrix:	Soil	Date Extracted:	09-13-12
Preservative:	Cool	Date Analyzed:	09-14-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	975	0.2
Diesel Range (C10 - C28)	467	0.1
Total Petroleum Hydrocarbons	1,440	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Trunk 1K Spill

5796 US Highway 64, Farmington, NM 87401





EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Enterprise	Project #:	97057-0523
Sample ID:	Top South at 3'	Date Reported:	09-14-12
Laboratory Number:	63224	Date Sampled:	09-12-12
Chain of Custody No:	14434	Date Received:	09-13-12
Sample Matrix:	Soil	Date Extracted:	09-13-12
Preservative:	Cool	Date Analyzed:	09-14-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1,030	0.2
Diesel Range (C10 - C28)	98.6	0.1
Total Petroleum Hydrocarbons	1,130	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Trunk 1K Spill Comments:





EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Enterprise	Project #:	97057-0523
Sample ID:	Bottom Surface	Date Reported:	09-14-12
Laboratory Number:	63225	Date Sampled:	09-12-12
Chain of Custody No:	14434	Date Received:	09-13-12
Sample Matrix:	Soil	Date Extracted:	09-13-12
Preservative:	Cool	Date Analyzed:	09-14-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	12,300	0.2
Diesel Range (C10 - C28)	1,750	0.1
Total Petroleum Hydrocarbons	14,000	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Trunk 1K Spill





EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Enterprise	Project #:	97057-0523
Sample ID:	Bottom at 3'	Date Reported:	09-14-12
Laboratory Number:	63226	Date Sampled:	09-12-12
Chain of Custody No:	14434	Date Received:	09-13-12
Sample Matrix:	Soil	Date Extracted:	09-13-12
Preservative:	Cool	Date Analyzed:	09-14-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3,740	0.2
Diesel Range (C10 - C28)	866	0.1
Total Petroleum Hydrocarbons	4,550	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Trunk 1K Spill





Quality Assurance Report

Sample ID:09-14 QA/QCDate Reported:09-14-12Laboratory Number:63221Date Sampled:N/ASample Matrix:Methylene ChlorideDate Received:N/APreservative:N/ADate Analyzed:09-14-12Condition:N/ADate Analyzed:09-14-12Condition:N/ADate Analyzed:09-14-12Gasoline Range C5 - C1009-14-129.9960E+021.0000E+030.04%Diesel Range C10 - C2809-14-129.9960E+021.0000E+030.04%0 - 15%Blank Conc. (mg/L - mg/Kg)ConcentrationDetection LimitGasoline Range C5 - C10ND0.2Diesel Range C10 - C28ND0.1Total Petroleum HydrocarbonsNDDuplicate Conc. (mg/Kg)SampleDuplicate% Difference Accept. RangeGasoline Range C5 - C104174477.0%0 - 30%Duplicate Conc. (mg/Kg)SampleDuplicate% Difference Accept. RangeGasoline Range C5 - C104174477.0%0 - 30%	Client:	QA/QC		Project #:		N/A
Laboratory Number:63221Date Sampled:N/ASample Matrix:Methylene ChlorideDate Received:N/APreservative:N/ADate Analyzed:09-14-12Condition:N/AAnalysis Requested:TPHSasoline Range C5 - C1009-14-129.9960E+021.0000E+030.04%0 - 15%Diesel Range C10 - C2809-14-129.9960E+021.0000E+030.04%0 - 15%Blank Conc. (mg/L - mg/Kg)ConcentrationDetection Limit.Gasoline Range C5 - C10ND0.2Diesel Range C10 - C28ND0.1Total Petroleum HydrocarbonsND0.1Duplicate Conc. (mg/Kg)SampleDuplicate% Difference Accept. RangeGasoline Range C5 - C104174477.0%0 - 30%						
Sample Matrix:Methylene ChlorideDate Received:N/APreservative:N/ADate Analyzed:09-14-12Condition:N/AAnalysis Requested:TPHMatrix:N/AAnalysis Requested:TPHMatrix:I-Cal DateI-Cal RF:C-Cal RF:% DifferenceGasoline Range C5 - C1009-14-129.9960E+021.0000E+030.04%0 - 15%Diesel Range C10 - C2809-14-129.9960E+021.0000E+030.04%0 - 15%Blank Conc. (mg/L - mg/Kg)ConcentrationDetection LimitGasoline Range C5 - C10ND0.2Diesel Range C10 - C28ND0.1Total Petroleum HydrocarbonsNDDuplicate Conc. (mg/Kg)SampleDuplicate% Difference Accept. RangeGasoline Range C5 - C104174477.0%0 - 30%				•		
Preservative:N/ADate Analyzed:09-14-12Condition:N/AAnalysis Requested:TPHGasoline Range C5 - C1009-14-129.9960E+021.0000E+030.04%0 - 15%Diesel Range C10 - C2809-14-129.9960E+021.0000E+030.04%0 - 15%Blank Conc. (mg/L - mg/Kg)ConcentrationDetection LimitGasoline Range C5 - C10ND0.2Diesel Range C10 - C28ND0.1Total Petroleum HydrocarbonsND0.1Duplicate Conc. (mg/Kg)SampleDuplicate% DifferenceAccept. Range C5 - C104174477.0%0 - 30%	-			•		
Condition:N/AAnalysis Requested:TPHGasoline Range C5 - C1009-14-129.9960E+021.0000E+030.04%0 - 15%Diesel Range C10 - C2809-14-129.9960E+021.0000E+030.04%0 - 15%Blank Conc. (mg/L - mg/Kg)ConcentrationDetection LimitGasoline Range C5 - C10ND0.2Diesel Range C10 - C28ND0.1Total Petroleum HydrocarbonsND0.1Duplicate Conc. (mg/Kg)SampleDuplicate% Difference Accept. RangeGasoline Range C5 - C104174477.0%0 - 30%	•	-	ride			
I-Cal Date I-Cal RF: C-Cal RF: % Difference Accept. Range Gasoline Range C5 - C10 09-14-12 9.9960E+02 1.0000E+03 0.04% 0 - 15% Diesel Range C10 - C28 09-14-12 9.9960E+02 1.0000E+03 0.04% 0 - 15% Blank Conc. (mg/L - mg/Kg) Concentration Detection Limit. Gasoline Range C5 - C10 ND 0.2 Diesel Range C10 - C28 ND 0.1 Total Petroleum Hydrocarbons ND 0.1 Duplicate Conc. (mg/Kg) Sample Duplicate % Difference Accept. Range Gasoline Range C5 - C10 417 447 7.0% 0 - 30%	Preservative:	N/A		Date Analyzed:		09-14-12
Gasoline Range C5 - C10 09-14-12 9.9960E+02 1.0000E+03 0.04% 0 - 15% Diesel Range C10 - C28 09-14-12 9.9960E+02 1.0000E+03 0.04% 0 - 15% Blank Conc. (mg/L - mg/Kg) Concentration Detection Limit. Gasoline Range C5 - C10 ND 0.2 Diesel Range C10 - C28 ND 0.1 Total Petroleum Hydrocarbons ND 0.1 Duplicate Conc. (mg/Kg) Sample Duplicate % Difference Accept. Range Gasoline Range C5 - C10 417 447 7.0% 0 - 30%	Condition:	N/A		Analysis Reque	sted:	TPH
Diesel Range C10 - C2809-14-129.9960E+021.0000E+030.04%0 - 15%Blank Conc. (mg/L - mg/Kg) Gasoline Range C5 - C10Concentration NDDetection Limit.Gasoline Range C10 - C28ND0.2Diesel Range C10 - C28ND0.1Total Petroleum HydrocarbonsND0.1Duplicate Conc. (mg/Kg) Gasoline Range C5 - C10Sample 417Duplicate% Difference Accept. Range		I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Blank Conc. (mg/L - mg/Kg)ConcentrationDetection Limit.Gasoline Range C5 - C10ND0.2Diesel Range C10 - C28ND0.1Total Petroleum HydrocarbonsNDDuplicate Conc. (mg/Kg)SampleDuplicateGasoline Range C5 - C104174477.0%0 - 30%	Gasoline Range C5 - C10	09-14-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%
Gasoline Range C5 - C10ND0.2Diesel Range C10 - C28ND0.1Total Petroleum HydrocarbonsNDDuplicate Conc. (mg/Kg)SampleDuplicateGasoline Range C5 - C104174477.0%0 - 30%	Diesel Range C10 - C28	09-14-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%
Total Petroleum HydrocarbonsNDDuplicate Conc. (mg/Kg)SampleDuplicate% DifferenceAccept. RangeGasoline Range C5 - C104174477.0%0 - 30%	3 considerante de la construcción en la construcción de la cons de la construcción de	g)	· · · · · · · · · · · ·			:
Duplicate Conc. (mg/Kg)SampleDuplicate% DifferenceAccept. RangeGasoline RangeC5 - C104174477.0%0 - 30%	Diesel Range C10 - C28		ND		0.1	
Gasoline Range C5 - C10 417 447 7.0% 0 - 30%	Total Petroleum Hydrocarbons	5	ND			
-	Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range	}
Diesel Range C10 - C28 243 245 0.5% 0 - 30%	Gasoline Range C5 - C10	417	447	7.0%	0 - 30%	
-	Diesel Range C10 - C28	243	245	0.5%	0 - 30%	
Spike Conc. (mg/Kg) Sample Spike Added Spike Result % Recovery Accept. Range	Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10 417 250 734 110% 75 - 125%	Gasoline Range C5 - C10	417	250	734	110%	75 - 125%
Diesel Range C10 - C28 243 250 573 116% 75 - 125%	Diesel Range C10 - C28	243	250	573	116%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Was SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 63221-63226

5796 US Highway 64, Farmington, NM 87401
Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301





Client: Enterprise Project #: 97057-0523 Sample ID: **Top North Surface** Date Reported: 09-14-12 Laboratory Number: 63221 Date Sampled: 09-12-12 Chain of Custody: 14434 Date Received: 09-13-12 Sample Matrix: Soil Date Analyzed: 09-14-12 Preservative: Cool Date Extracted: 09-13-12 Condition: Intact Analysis Requested: BTEX Dilution: 50 Det. Concentration Limit (ug/Kg) Parameter (ug/Kg) 1,620 Benzene 10.0 Toluene 30,500 10.0 Ethylbenzene 15,700 10.0 78,100 p,m-Xylene 10.0 o-Xylene 35,600 10.0 **Total BTEX** 162,000

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:		Parameter	Percent Recovery		
		Fluorobenzene	105 %		
		1,4-difluorobenzene	93.4 %		
		Bromochlorobenzene	164 % *		
References:		nod 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, ember 1996.			
		021B, Aromatic Volatile Organics, Test Me December 1996.	ethods for Evaluating Solid Waste, SW-846		
Comments:	Trunk '	IK Spill			
	* Note: I	* Note: High recovery due to interference			

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Client:	Enterprise	Proje	ct #:	97057-0523
Sample ID:	Top North at 3'	Date	Reported:	09-14-12
Laboratory Number:	63222	Date	Sampled:	09-12-12
Chain of Custody:	14434	Date	Received:	09-13-12
Sample Matrix:	Soil	Date	Analyzed:	09-14-12
Preservative:	Cool	Date	Extracted:	09-13-12
Condition:	Intact	Analy	sis Requested:	BTEX
		Diluti	on:	50
				Det.
		Concentration	L	imit
Parameter		(ug/Kg)	(ug/	/Kg)
Benzene		ND		10.0
Toluene		14.3		10.0
Ethylbenzene		ND		10.0
p,m-Xylene		39.6		10.0
o-Xylene		14.4		10.0
Total BTEX		68.3		

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	85.3 %
	1,4-difluorobenzene	87.7 %
	Bromochlorobenzene	92.6 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846. USEPA, December 1996.

Comments: Trunk 1K Spill

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Client: Enterprise Project #: 97057-0523 Sample ID: **Top South Surface** Date Reported: 09-14-12 Laboratory Number: 63223 Date Sampled: 09-12-12 Chain of Custody: 14434 Date Received: 09-13-12 Sample Matrix: Soil Date Analyzed: 09-14-12 Preservative: Cool Date Extracted: 09-13-12 Condition: Intact Analysis Requested: BTEX **Dilution:** 50 Det. Concentration Limit Parameter (ug/Kg) (ug/Kg) 31.8 Benzene 10.0 Toluene 752 10.0 Ethylbenzene 546 10.0 4,820 10.0 p,m-Xylene o-Xylene 1,520 10.0

Total BTEX

ND - Parameter not detected at the stated detection limit.

Surrogate Re	ecoveries:	Parameter	Percent Recovery
L		Fluorobenzene	80.9 %
		1,4-difluorobenzene	84.0 %
		Bromochlorobenzene	106 %
	Method 5 Decembe	• • •	Evaluating Solid Waste, SW-846, USEPA,
		021B, Aromatic Volatile Organics, Test M December 1996.	ethods for Evaluating Solid Waste, SW-846

7,680

Comments: Trunk 1K Spill





Client: Enterprise Project #: 97057-0523 Top South at 3' Sample ID: Date Reported: 09-14-12 63224 Laboratory Number: Date Sampled: 09-12-12 Chain of Custody: 14434 Date Received: 09-13-12 Sample Matrix: Soil Date Analyzed: 09-14-12 Preservative: Cool Date Extracted: 09-13-12 Condition: Intact Analysis Requested: BTEX Dilution: 50 Det. Concentration Limit (ug/Kg) (ug/Kg) Parameter Benzene 128 10.0 Toluene 1.270 10.0 Ethylbenzene 335 10.0 p,m-Xylene 2,970 10.0 o-Xylene 10.0 815 **Total BTEX** 5,520

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	78.5 %
	1,4-difluorobenzene	80.1 %
	Bromochlorobenzene	94.9 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846. USEPA, December 1996.

Comments: Trunk 1K Spill

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Client: Enterprise Project #: 97057-0523 Sample ID: **Bottom Surface** Date Reported: 09-14-12 Laboratory Number: 63225 Date Sampled: 09-12-12 Chain of Custody: 14434 Date Received: 09-13-12 Sample Matrix: Soil Date Analyzed: 09-14-12 Preservative: Cool Date Extracted: 09-13-12 Condition: BTEX Intact Analysis Requested: 100 Dilution: Det. Concentration Limit (ug/Kg) (ug/Kg) Parameter Benzene 25,300 20.0 Toluene 287,000 20.0 Ethylbenzene 109,000 20.0 20.0 339,000 p,m-Xylene o-Xylene 179,000 20.0 **Total BTEX** 939,000

ND - Parameter not detected at the stated detection limit.

Surrogate Rec	overies: Parameter	Percent Recovery	
	Fluorobenzene	146 % *	
	1,4-difluorobenzene	140 % *	
	Bromochlorobenzene	161 % *	
References:	Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.		
	Method 8021B, Aromatic Volatile Organi USEPA, December 1996.	cs, Test Methods for Evaluating Solid Waste, SW-846	
Comments:	Trunk 1K Spill		

Ph (505) 632-0615 Fx (505) 632-1865



Client:	Enterprise	Projec	xt #:	97057-0523
Sample ID:	Bottom at 3'	Date F	Reported:	09-14-12
Laboratory Number:	63226	Date S	Sampled:	09-12-12
Chain of Custody:	14434	Date F	Received:	09-13-12
Sample Matrix:	Soil	Date A	Analyzed:	09-14-12
Preservative:	Cool	Date B	Extracted:	09-13-12
Condition:	Intact	Analys	sis Requested:	BTEX
		Dilutio	on:	50
			Det	•
		Concentration	Limi	t
Parameter		(ug/Kg)	(ug/Kg)
_				
Benzene		6,980	10.0)
Toluene		101,000	10.)
Ethylbenzene		35,100	10.)
p,m-Xylene		144,000	10.	0
o-Xylene		47,500	10.	0
Total BTEX		334,000		

Surrogate Recoveries:		Parameter	Percent Re	ecovery
		Fluorobenzene	136 '	% *
		1,4-difluorobenzene	132 '	% *
		Bromochlorobenzene	104	%
References:	Method 5 Decembe	030B, Purge-and-Trap, Test Methods for E r 1996.	Evaluating Solid Waste, S	SW-846, USEP.
		021B, Aromatic Volatile Organics, Test Mo December 1996.	ethods for Evaluating Sol	id Waste, SW-
Comments:	Trunk '	IK Spill		
	* Note: I	High recovery due to interference		





Client:	Enterprise	Project #:	97057-0523	3
Sample ID:	Bottom South Comp	Date Reported:	10-23-12	
Laboratory Number:	63484	Date Sampled:	10-18-12	
Chain of Custody:	14563	Date Received:	10-18-12	
Sample Matrix:	Soil	Date Analyzed:	10-22-12	
Preservative:	Cool	Date Extracted:	10-19-12	
Condition:	Intact	Analysis Requested	I: BTEX	
		Dilution:	50	
			Det.	
	Со	ncentration	Limit	
Parameter	(1	ug/Kg)	(ug/Kg)	
Benzene		ND	10.0	
Toluene		484	10.0	
Ethylbenzene		380	10.0	
p,m-Xylene		2,890	10.0	
o-Xylene		1,440	10.0	
Total BTEX		5,200		

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	84.9 %
	1,4-difluorobenzene	94.2 %
	Bromochlorobenzene	118 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846. USEPA, December 1996.

Comments: Confirmation Sampling Trunk K





Client:	N/A	Pr	oject #:	N	I/A
Sample ID:	1022BCAL QA/QC	Da	ate Reported:	1	0-22-12
Laboratory Number:	63501	Da	ate Sampled:	N	I/A
Sample Matrix:	Soil	Da	ate Received:	N	I/A
Preservative:	N/A	Da	ate Analyzed:		0-22-12
Condition:	N/A		nalysis:	E	STEX
دىرى بىرىمىيە بىرىمى بىرىمىيە بىرىمىيە بىر	. The services of an excellence of the service of the service	Di	lution:	5	0
Calibration and	l-Cal RF C	-Cal RF:	~ %Diff.	Blank	Detect.
Detection Limits (ug/L	Acce	ept. Range 0-15%		Conc.	Limit
Benzene	1.9390E-05 1	I.9390E-05	0.000	ND	0.2
Toluene	1.4597E-05 1	1.4597E-05	0.000	ND	0.2
Ethylbenzene	1.5044E-05 1	1.5044E-05	0.000	ND	0.2
p,m-Xylene	1.0728E-05	1.0728E-05	0.000	ND	0.2
o-Xylene	1.4998E-05	1.4998E-05	0.000	ND	0.2
Duplicate Conc. (ug/Kg) Bonzono	n shake in she	Duplicate		Accept Range	Detect. Limit
Duplicate Conc. (ug/Kg) Benzene Toluene Ethylbenzene p,m-Xylene	Sample 18.1 18.1 16.3 ND 18.1	Duplicate 15.6 16.5 ND 18.3	%Diff. 4 0.14 0.01 0.00 0.01	Accept Range 0 - 30% 0 - 30% 0 - 30% 0 - 30%	Detect. Limit 10 10 10 10 10
Benzene Toluene Ethylbenzene p,m-Xylene	18.1 16.3 ND 18.1 ND	15.6 16.5 ND 18.3 ND	0.14 0.01 0.00	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	10 10 10 10 10
Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene	18.1 16.3 ND 18.1 ND	15.6 16.5 ND 18.3 ND	0.14 0.01 0.00 0.01 0.00	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	10 10 10 10
Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene Spike Conc. (ug/Kg)	18.1 16.3 ND 18.1 ND Sample Arr	15.6 16.5 ND 18.3 ND	0.14 0.01 0.00 0.01 0.00	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	10 10 10 10 10 Accept Range
Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene Spike Conc, (ug/Kg) Benzene	18.1 16.3 ND 18.1 ND Sample Arr 18.1	15.6 16.5 ND 18.3 ND	0.14 0.01 0.00 0.01 0.00 piked Sample	0 - 30% 0 - 30% 0 - 30% 0 - 30% % Recovery 89.8	10 10 10 10 10 Accept Range 39 - 150
Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene Spike Conc. (ug/Kg) Benzene Toluene	18.1 16.3 ND 18.1 ND Sample Arr 18.1 16.3	15.6 16.5 ND 18.3 ND nount Spiked S 2500 2500	0.14 0.01 0.00 0.01 0.00 piked Sample 2260 2300	0 - 30% 0 - 30% 0 - 30% 0 - 30% % Recovery 89.8 91.4	10 10 10 10 10 40 46 - 148

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

 References:
 Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

 December 1996.
 Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using

 Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 63466-467, 63483-63484, 63501-63502 and 63505-63507

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CHAIN OF CUSTODY RECORD

14563

Trunk K Project Name / Location: Client: Enterprise **ANALYSIS / PARAMETERS** Configmation Sampling Email results to: Sampler Name: BTEX (Method 8021) VOC (Method 8260) TPH (Method 8015) Peiro eire RCRA 8 Metals CO Table 910-1 TCLP with H/P Cation / Anion Sample Intact Client Phone No.: Client No.: Sample Cool TPH (418.1) 97057-0523 CHLORIDE Sample Sample Preservative No./Volume RCI Sample No./ Identification Lab No. of Containers Date HgCl₂ Time HCI ý Bottom Northcomp 10-18-12 10:45 Bottom South Comp 10-18-12 11:00 1402 Jas V 103483 63484 402 Jar V Time Received by: (Signature) Date Time Relinguished by: (Signature) Date JAR 10-BQ 13:00 W/ Kato 13.00 0 00 Relinguished by: (Signature) Received by: (Signature) Sample Matrix Soil Solid Solid Sludge Aqueous Other Sample(s) dropped off after hours to secure drop off area. envirotech Analytical Laboratory 5795 US Highway 44 . Farminaton NM ~ . 505 (20 2615 ۰ 65 ∵e Si‴ do Suit Durc 20 · lai >chm



Report Summary

Client: Enterprise Chain of Custody Number: 15048 Samples Received: 01-04-13 Job Number: 97057-0523 Sample Number(s): 64060 Project Name/Location: Trunk K Confirmation Sampling

____ Date: 1/8/13 Entire Report Reviewed By:

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

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Client:	Enterprise	Projec	ct #:	97057-0523
Sample ID:	Bottom South	Date F	Reported:	01-07-13
Laboratory Number:	64060	Date S	Sampled:	01-04-13
Chain of Custody:	15048	Date	Received:	01-04-13
Sample Matrix:	Soil	Date /	Analyzed:	01-07-13
Preservative:	Cool	Date	Extracted:	01-04-13
Condition:	Intact	Analy	sis Requested:	BTEX
		Dilutio	on:	500
			I	Det.
		Concentration	Li	mit
Parameter		(ug/Kg)	(ug/	Kg)
Benzene		252	10	0.0
Toluene		8,010	1(0.0
Ethylbenzene		1,510	1(0.0
p,m-Xylene		14,500	1(0.0
o-Xylene		3,930	10	0.0
Total BTEX		28,200		

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	25.7 % *
	1,4-difluorobenzene	19.4 % *
	Bromochlorobenzene	21.1 % *

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

*Note: Recovery low due to matrix interference. Comments: Trunk K Confirmation Sampling



Client: Sample ID: Laboratory Number: Sample Matrix: Preservative: Condition:	N/A 0107BCA2 QA/QC 64060 Soil N/A N/A		Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Analysis: Dilution:	N/A N/A 01- BTI	07-13 07-13 EX
Calibration and	I-Cal RF:	C-Cal RF:	%Diff:	500 Blank	Detect
Detection Limits (ug/	L)	ccept. Range 0-15%		Conc	Limit
Benzene	2.5270E-06	2.5270E-06	0.000	ND	0.2
Toluene	3.0375E-06	3.0375E-06	0.000	ND	0.2
Ethylbenzene	1.9095E-06	1.9095E-06	0.000	ND	0.2
p,m-Xylene o-Xylene	1.7972E-06 1.9470E-06	1.7972E-06 1.9470E-06	0.000 0.000	ND ND	0.2 0.2
Duplicate Conc. (ug/Kg		- Displication and a state		and Defect	Disting the second
and a second		·			Detect. Limit
Benzene	252	265	0.1	0 - 30%	100
Toluene	8010	6200	0.2	0 - 30%	100
Ethylbenzene p,m-Xylene	1510 14500	1520 13500	0.1	0 - 30% 0 - 30%	100
o-Xylene	3930	3520	0.1 0.1	0 - 30% 0 - 30%	100 100
Spike Conc: (ug/Kg)		· · · · · ·	Spiked Sample	· · · · · · ·	Accept Range
Benzene	252	25000	7470	29.6 *	39 - 150
Toluene	8010	25000	15800	47.9	46 - 148
Ethylbenzene	1510	25000	5120	19.3 *	32 - 160
p,m-Xylene	14500	50000	21100	32.7 *	46 - 148
o-Xylene	3930	25000	7500	25.9 *	46 - 148
•					

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

 References:
 Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

 December 1996.
 December 1996.

 Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using

 Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

*Note: Recoveries low due to matrix interference

Comments: QA/QC for Sample 64060

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hree Springs • 65 Mercado Street, Suite 115, Durango, CO 81301	Ph (970) 259-0615	Fr (800) 362-1879	Information and the state of the second seco

Rush	Please	\))
KNDN	1		

CHAIN OF CUSTODY RECORD

15048

Client: Enterprise Email results to:	tion:	Toun	ĸ	K						A	NAL	/SIS	/ Paf	RAMI	ETEF	IS	4					
Email results to: K. Peine			Sampler Name / Locat Sampler Name: K. Peiri	E M	Inte	sh	· · · <u>-</u>		8015)	1 8021)	8260)	s			0	+-						
Client Phone No.:			Client No.: 97 <i>0</i> 5	57-0	2523	3			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CO Table 910-1	118.1)	RIDE				Sample Intact
Sample No./ Identification	Sample Date	Samp Time	Lab No.		/Volume ontainers		reserva HCI	tive (co)	Л) НАТ	втех	voc (I	RCRA	Cation	RCI	TCLP	CO Tal	TPH (418.1)	CHLORIDE				
Bottom Saith	1-4-13	9:15	5 640600	14	loz Jas	1		Х		X											\ \	$\langle \times$
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Relinquished by: (Signature)	0.		A			Recei	ved b	y: (Si	gnati	ure)			Y									
Sample Matrix Soil 🗹 Solid 🗌 Sludge 🗌 🗸	Aqueous 🗌	Other	· []					- v		<u></u>				<u> </u>								
Sample(s) dropped off after h	hours to sec	ure drop) off area.	3 @	env _{Anal}	I I C) {} (e (> > htory	A J												
5795 US Hiahway 64	• Farminato	on, NM 8"	7401 • 505-632-0615 • T	F ihree Spri	ings • 65 N	<i>Aercac</i>	lo Stre	eet, Su	vite 1	15, Di	urang	10, C	C 813	01 • 1	labor	atory	@en	virote	ch-inc	.com		

578-1

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Analytical Report

Report Summary

Client: Enterprise Products Chain Of Custody Number: 15268 Samples Received: 3/6/2013 4:20:00PM Job Number: 97057-0523 Work Order: P303015 Project Name/Location: Trunk K Confirmation Sampling

Entire Report Reviewed By:

Date: 3/7/13

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

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Enterprise Products	Project Name:	Trunk K Confirmation Sampling	
614 Reilly Ave	Project Number:	97057-0523	Reported:
Farmington NM, 87401	Project Manager:	Kory Peine	07-Mar-13 17:02

Analyical Report for Samples

Client Sample ID	Lab Sample 1D	Matrix	Sampled	Received	Container	
Bottom South Comp	P303015-01A	Soil	03/04/13	03/06/13	Glass Jar, 4 oz.	

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Enterprise Products 614 Reilly Ave	Project Project		K Confirma 7-0523	Reported:					
Farmington NM, 87401	Project		07-Mar-13 17:02						
			South C 15-01 (Sol	•					
Analyte	Result	Reporting Limit	Units	Dilution	Datak		A 1		
Analyte	Kesun		Units	Diffusion	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015							<u> </u>		
Gasoline Range Organics (C6-C10)	ND	5.0	mg/kg	0,998	1310014	07-Mar-13	07-Mar-13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	5.0	mg/kg	0.998	1310014	07-Mar-13	07-Mar-13	EPA 8015D	
GRO and DRO Combined Fractions	ND	5.0	mg/kg	0.998	1310014	07-Mar-13	07-Mar-13	EPA 8015D	

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Page 3 of 6



Enterprise Products	Project Name:	Trunk K Confirmation Sampling	
614 Reilly Ave	Project Number:	97057-0523	Reported:
Farmington NM, 87401	Project Manager:	Kory Peine	07-Mar-13 17:02

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD					
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes				
Batch 1310014 - GRO/DRO Extracti	on EPA 3550C													
Blank (1310014-BLK1)						Prepared: 06-Mar-13 Analyzed: 07-Mar-13								
Gasoline Range Organics (C6-C10)	ND	5.0	ing/kg											
Diesel Range Organics (C10-C28)	ND	5.0	54											
GRO and DRO Combined Fractions	ND	5.0	•											
Duplicate (1310014-DUP1)	Sou	rce: P303013-	03	Prepared: ()6-Mar-13	Analyzed:	07-Mar-13							
Gasoline Range Organics (C6-C10)	1210	5.0	mg/kg		1290			6.15	30					
Diesel Range Organics (C10-C28)	122	5.0	18		138			12.6	30					
Matrix Spike (1310014-MS1)	Sou	rce: P303013-	03	Prepared: ()6-Mar-13	Analyzed:	07-Mar-13							
Gasoline Range Organics (C6-C10)	1560		mg/L	250	1290	106	75-125							
Diesel Range Organics (C10-C28)	352			250	138	85.6	75-125							

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Enterprise Products	Project Name:	Trunk K Confirmation Sampling	
614 Reilly Ave	Project Number:	97057-0523	Reported:
Farmington NM, 87401	Project Manager:	Kory Peine	07-Mar-13 17:02

Notes and Definitions

DET	Analyte DETECTED	۲.
ND	Analyte NOT DETECTED at or above the reporting his	ni
NR	Not Reported	
dry	Sample results reported on a dry weight basis	

Relative Percent Difference

RPD

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	rainington,	14141 07 401

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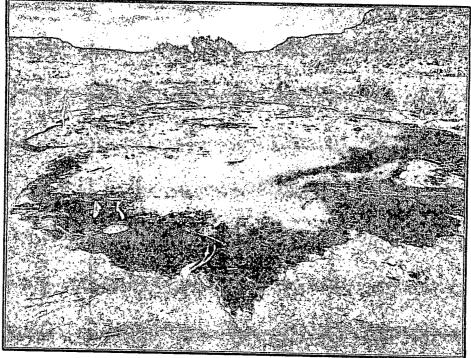
Page 5 of 6

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		Pro	roject Name / Location: Trunk K anFirmation Sampling ampler Name: K. Peine						ANALYSIS / PARAMETERS													-1
Client: Enterprise Email results to:		- Ko	nEremation	<u>, San</u>	pline	1	,															
Email results to: K. Peine		Sa	\mathcal{K}	Peine				3015)	8021)	8260)						-						L
Client Phone No.:		Cli	ent No.: 970						TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CO Table 910-1	18.1)	RIDE			Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No.	/Volume ontainers	Pr	eserva HCI		TPH (N	BTEX (VOC (N	RCRA	Cation	RCI	TCLP	CO Tat	TPH (418.1)	CHLORIDE			Sample Cool	Sample
Bottom South comp	3-4-13	11:15	P303015-01	12	lozJ,	¢.		Х	X												Y	ý
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Relinquished by: (Signature)	-01				/0_10	Receiv	ved b	y : (Si	gnatt	Ire)		<u> </u>		•						<u> </u>		
Sample Matrix Soil 🗹 Solid 🗌 Sludge 🗌	Aqueous 🗌	Other 🗌																				
Sample(s) dropped off after i			E		env Ana							_	- in t - i				0	· · · · · · · · · · · · · · · · · · ·	-h :			

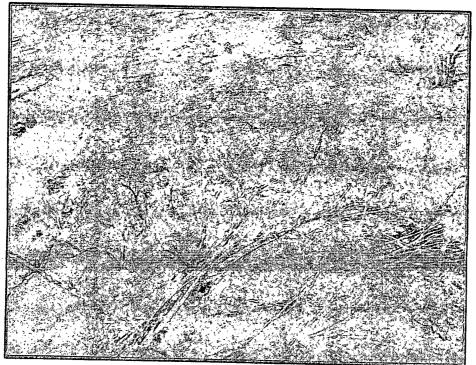
.

APPENDIX **B**

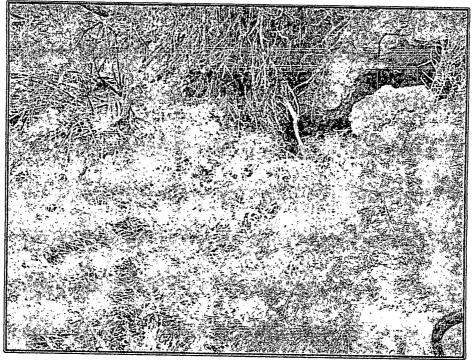
Site Photography



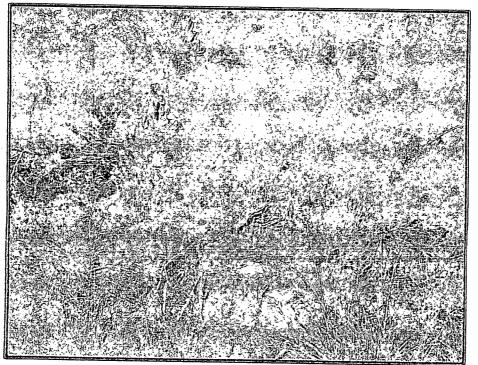
Picture 1: Release Path (View 1) – 9/12/12



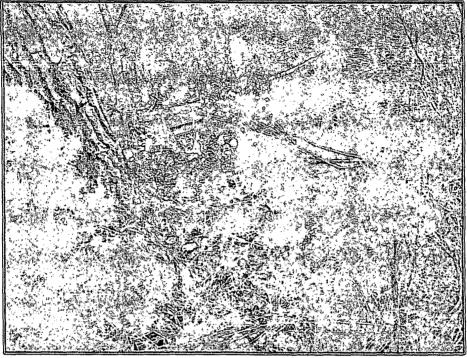
Picture 2: Release Path (View 2) – 9/12/12



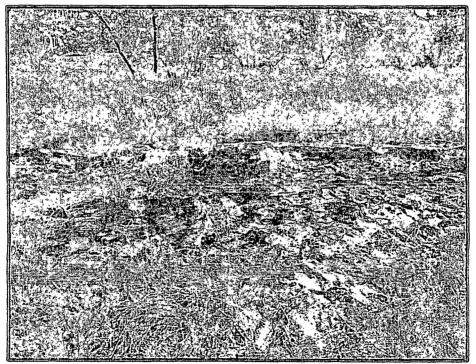
Picture 3: Release Path (View 3) – 9/12/12



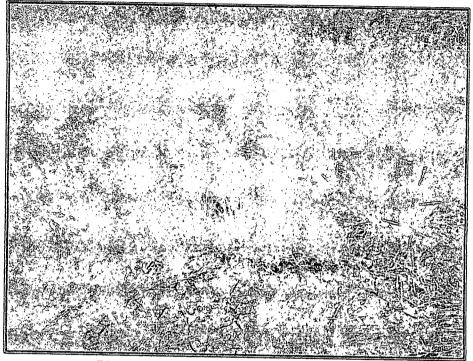
Picture 4: Release Path (View 4) – 9/12/12



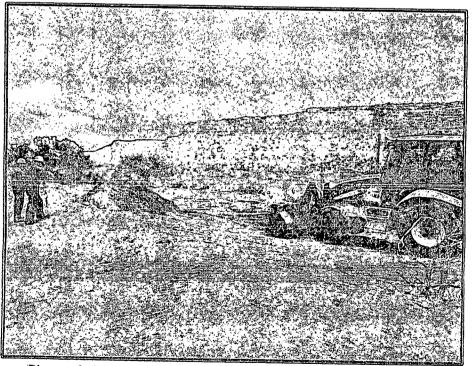
Picture 5: Release Path (View 5) – 9/12/12



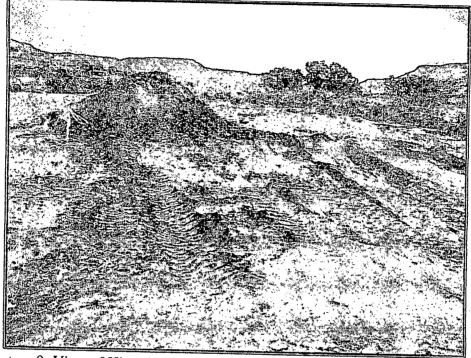
Picture 6: Release Path (View 6) – 9/12/12



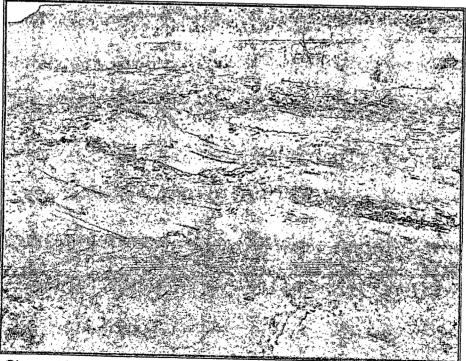
Picture 7: Release Path (View 7) – 9/12/12



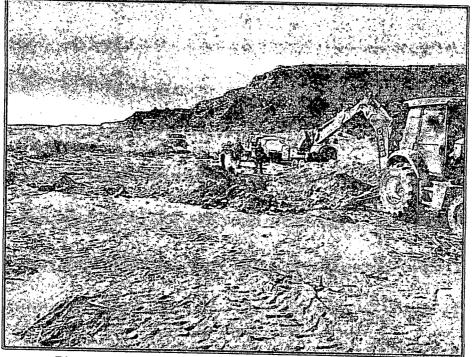
Picture 8: Initial Excavation of Pipeline Right of Way - 9/13/12



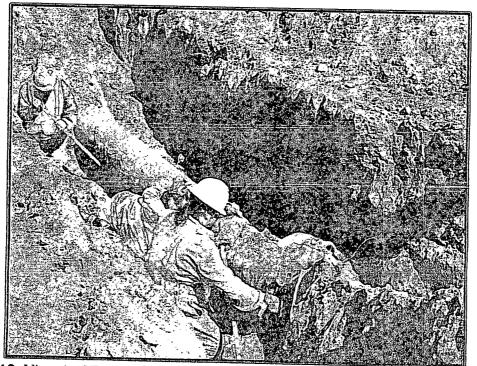
Picture 9: View of Historical Staining During Excavation (View 1) – 9/13/12



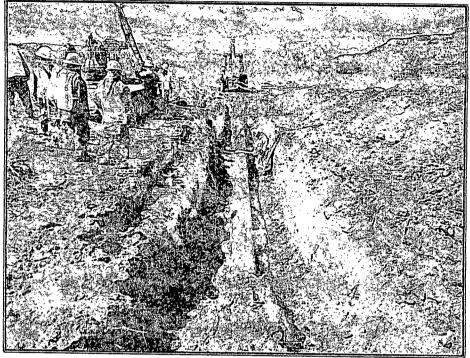
Picture 10: Historical Staining During Excavation (View 2) - 9/13/12



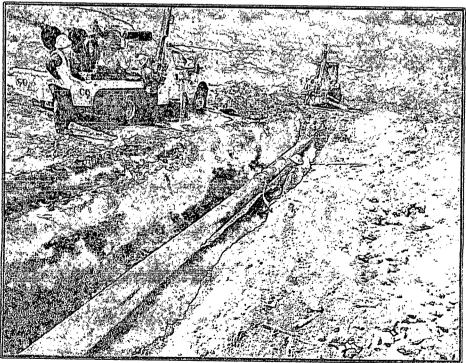
Picture 11: View of Pipeline Initial Exposure - 9/13/12



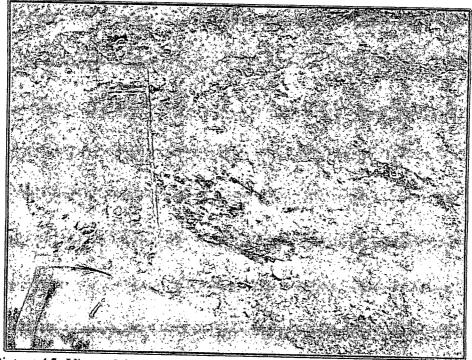
Picture 12: View 1 of Exposed Pipeline for Leak Inspection by EMS Personnel – 9/13/12



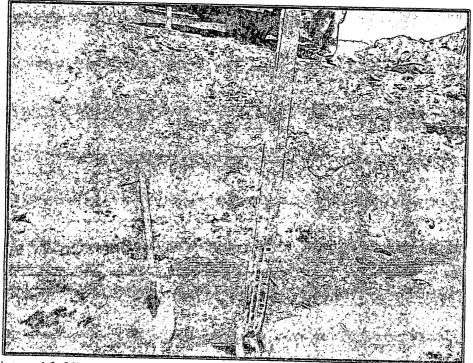
Picture 13: View 2 of Exposed Pipeline for Leak Inspection by EMS Personnel – 9/13/12



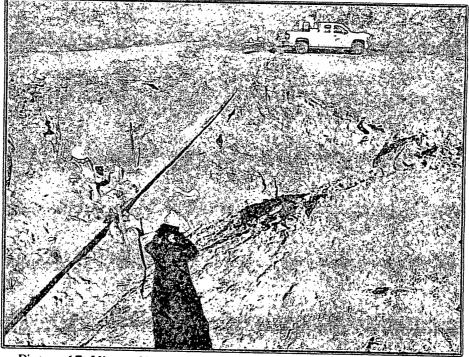
Picture 14: View of Trunk K Being Repaired by EMS Personnel - 9/13/12



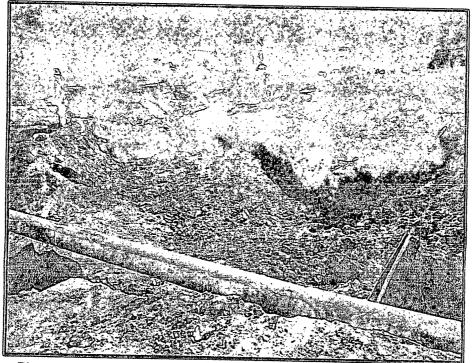
Picture 15: View of Contaminated Center on East Wall of Trench - 9/13/12



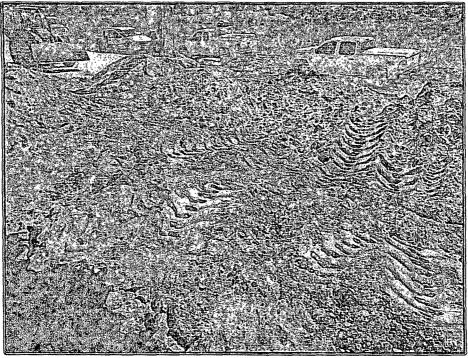
Picture 16: View of Contaminated Center on West wall of Trench - 9/13/12



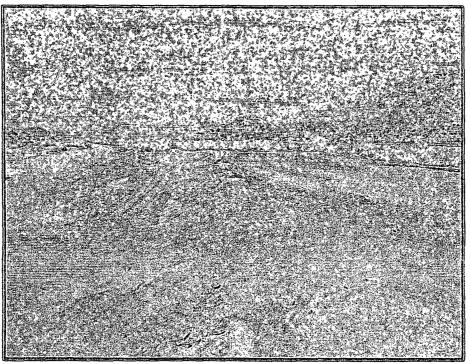
Picture 17: View of Excavation Extents; East of Pipeline - 9/13/12



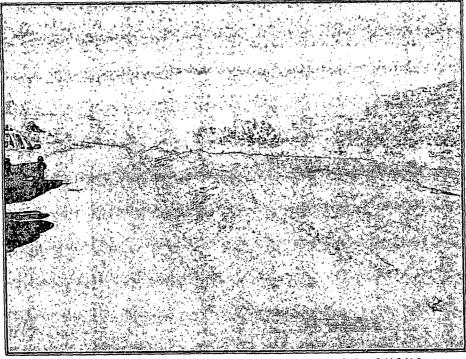
Picture 18: View of Excavation Extents; West of Pipeline - 9/13/12



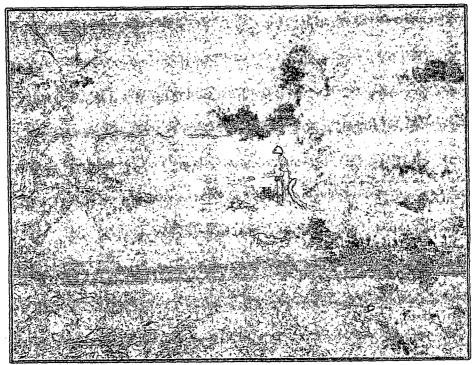
Picture 19: View of Distance from West Wall Extent to County Road 4990 - 9/13/12



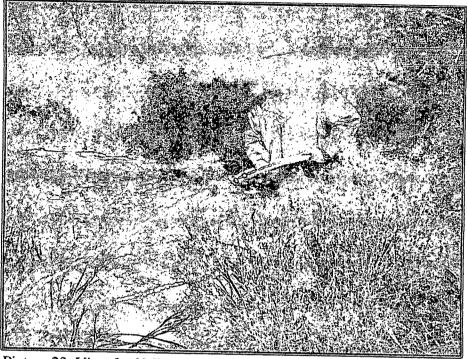
Picture 20: View 1 of Pipeline Right of Way after Backfill - 9/18/12



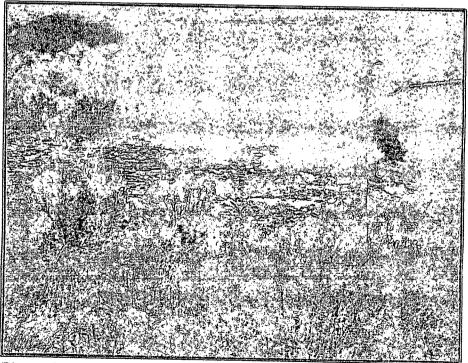
Picture 21: View 2 of Right of Way after Backfill - 9/18/12



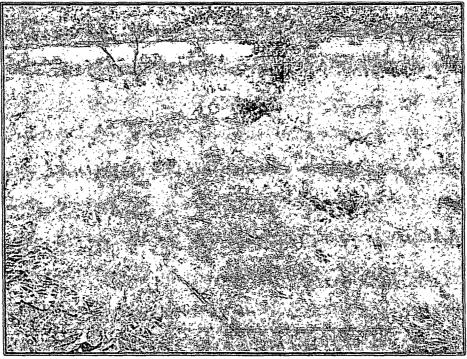
Picture 22: View 1 of Micro Blaze Treatment at Lower Wash - 9/28/12



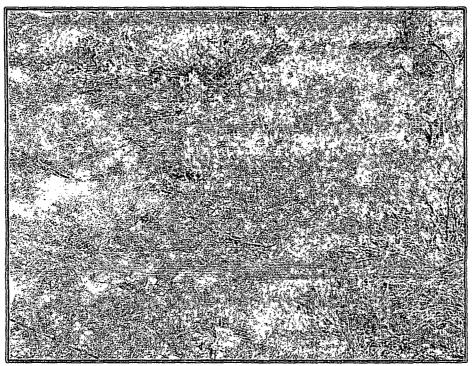
Picture 23: View 2 of Micro Blaze Treatment at Lower Wash - 9/28/12



Picture 24: View 3 of Micro Blaze Treatment at Lower Wash - 9/28/12



Picture 25: View 4 of Micro Blaze Treatment at Lower Wash - 9/28/12



Picture 26: View 5 of Micro Blaze Treatment at Lower Wash - 9/28/12

APPENDIX C

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Bills of Lading

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Bill of Lading

MANIFEST # 42064 DATE 9-12-12 JOB # 11057-0

LOAD											
NO.				GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
2	thunk K	CFII-4	cont Soiz	A-8	22		E-fech	617	18:05	Rick Smith	
				-		-					
					22	7					
							· ·				
									÷		
						. 1					
RESULT	· · · · · · · · · · · · · · · · · · ·	LANDFARM	2		1	V	NOTESLOGA	anter	nr_	nocharge	
212		EMPLOYEE:	Jave	Len			<u>micucc</u>	<i>q</i> run	<u>CE</u>	normage	
•	PAINT FILTER TEST	Certifi	cation of above re	ceival & pla	cement		_				
that no ac	ditional materials have bee	en added."								mentioned Generator, and	
TRANSPO	ATER CO. Envirotec	4		Jek S.	mith	.	SIGNATURE	Rich	k Se	mith	
	CONTACT	oi 🍈 e le 📑 'ocu	PHONE		····· ··		DATE 9-				



MANIFEST # 42076 DATE 9-14-12 JOB # 1057-0523

Image: Point of Orderin Destination Material and the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and	LOAD	COM	PLETE DESCRIP	TION OF SHIPME	······································	-	TRANSPO	ORTING	COMPAN	٧Y			
1 Enterprise LF 4=4 Soil H-D 10 Yucca AF6 10:35 Humphing 2 Trunk K 1 H-D 10 - II AF6 10:35 Humphing 3 4 4 B-8 10 - II AF6 17:15 Humphing 3 4 4 B-8 10 - 4 AF6 17:15 Humphing 3 4 4 B-8 10 - 4 AF6 17:15 Humphing 3 - - - AF6 17:15 Humphing - - - AF6 17:15 Humphing 300 - - - - AF6 17:15 Humphing - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME			
3 " " 4 B-8 10 - 4 AF6 D1:15 Full flogge 30 30 30 30 - - - AF6 D1:15 Full flogge 30 30 - 30 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - <	1	Enterprise	LF II-4	Conton Soil	A-8	10	_	Yucca	AFG	10:35	hallon		
3 " " 4 B-8 10 - 4 AF6 D1:15 Full flogge 30 30 30 30 - - - AF6 D1:15 Full flogge 30 30 - 30 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - <	2	Trunk K	q	U	A-8	10		1			Profile		
212 CHLORIDE TEST EMPLOYEE: Advancement PAINT FILTER TEST Certification of above receival & placement "I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and	3		4	4	B-8	10		4	AF6	17:15	Lu Ma		
212 CHLORIDE TEST EMPLOYEE: Advancement PAINT FILTER TEST Certification of above receival & placement "I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and											Frank y		
212 CHLORIDE TEST EMPLOYEE: Advancement PAINT FILTER TEST Certification of above receival & placement "I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and						30							
212 CHLORIDE TEST EMPLOYEE: Advancement PAINT FILTER TEST Certification of above receival & placement "I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and													
212 CHLORIDE TEST EMPLOYEE: Advancement PAINT FILTER TEST Certification of above receival & placement "I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and			Anton and a second s	anden segen an en gegen de de ser									
212 CHLORIDE TEST EMPLOYEE: Advancement PAINT FILTER TEST Certification of above receival & placement "I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and													
212 CHLORIDE TEST EMPLOYEE: Advancement PAINT FILTER TEST Certification of above receival & placement "I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and													
212 CHLORIDE TEST EMPLOYEE: Advancement PAINT FILTER TEST Certification of above receival & placement "I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and			······································								andre den hen en en stade help de ogene andre den er stade for en en de de service en de service de service de		
212 CHLORIDE TEST EMPLOYEE: Advancement PAINT FILTER TEST Certification of above receival & placement "I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and													
292 CHLORIDE TEST EMPLOYEE: Ala							Λ						
"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and	200	······································		Ala			I	NOTES:					
"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added." TRANSPORTER CO. Yucca Welling Excau NAME Real Roars SIGNATURE Rundford		PAINT FILTER TEST	Certifi	cation of above re	ceival & pla	cement							
	"I certify that no ad	ne material hauled from the a ditional materials have been RTER CO. <u>Yucca</u> U	above location has added." Velling_f_Ex	not been added	to or mixed Real	with, and i	s the sar	ne material receive	d from th	ie above	mentioned Generator, and		
COMPANY CONTACT DATE DATE	COMPANY Signati (re s												



MANIFEST # 42078 DATE 9-14-12 JOB #17057-0523

LOAD COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY											
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME		
1	CAterprise_	LFII-4	Contan Soil	A-8	10		M055	2	10:45	1/2 SMFK	
2	Trunk K	LFII-4	10	A-8	NO		Moss	17	10:45	OL KOBZAC	
3	4 4	y v	4 V	B-8	10		4 C	2	16:00	HAR BU	
4	y U	4 11	u U	B-8	10	-	4 4	17	16:00	atoba	
5	6 61	4 0	<i>р</i> 4	B-8	12		U 6	27	18.25	-Lee mar	
6	ll 4	li q	11 U	B-8	12		a 4	15	18:2	Pin i	
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uu											
					 B						
							,,,,_,_,_,_,,_,,,,,,,,,,,,,,,				
				· · · · · · · · · · · · · · · · · · ·		\int					
RESULTS	S: CHLORIDE TEST 3	LANDFARM EMPLOYEE:	Ala for		-	T	MOTES: JUTE accep	tance	2-100	u#5+6-no	
	PAINT FILTER TEST 3		cation of above red				charge				
that no ad	ne material hauled from the a ditional materials have been RTER CO. Moss Ex	added."		$\left(\right)$	with, and is $\mathbb{B}_{\mathcal{M}_{2}}$	1)		YA	above	mentioned Generator, and	
	CONTACT	ESER.		• •	-1633	>/		2- 14	-20	n	



42089 MANIFEST # DATE 9-14-12 JOB #

LOAD											
NO.		DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	Enterprise Trunk · K	LF II-1	Contam Soil	(-5	18 -		E-Tech		13:32		
2	11	ų	4	A-5	20-	-	E-Tech	617	14:01	Rick Smith	
3	u u	U	U	D-5	18		E-Tech 8-fech	558	17:05	B/WB_	
4	H by	4	U	A-5	15		· · · ·	1	1 3	Rick Smith	
				_		-					
					-11	i,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
										· ·	
			9999 geben 2004 gegegeben - 1999 febrie 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1								
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					3	A					
RESULTS		LANDFARM EMPLOYEE:	Abal		ť	t	latt accepta	ince-	load	#5-nocharge	
ţ.	PAINT FILTER TEST Certification of above receival & placement										
-	ne material hauled from the a ditional materials have been										
TRANSPO	RTER CO. E-Tech	astransforme - afterstad, son and score song scorestaries (so ²¹ - 1 score	NAME B	ule W	Burkh	,	SIGNATURE	BL	WK		
COMPANY	CONTACT Donald	Ortiz	PHONE	632-00	,15		DATE 9/1	4/12	han ann agus anns		
c ires	no additional materials have been added." NSPORTER CO. E-TECH NAME Buck W Buckhow SIGNATURE BLUM IPANY CONTACT Donald Octize PHONE 632-0615 DATE 9/14/12 Ires irec to i to										



PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD	COM	PLETE DESCRIPT	TION OF SHIPMEI	NT			TRANSP	ORTING	COMPA	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	enterprise Trunk K	LFT-4	Contom So:1	A-8	12		Halo	Tay	14:43	Duque Jacquez
				-						
					12					
						<u></u>				
								-		
	· ·									
									-	
			·							
	· ·					Λ				
RESULTS	S: CHLORIDE TEST	LANDFARM EMPLOYEE:	Ala la	······	-	Ŧ	NOTES:		•	
	PAINT FILTER TEST	Certifi	cation of above red	ceival & pla	cement					
that no ac	'I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."									
TRANSPORTER CO. Mail 10 NAME DUGNE JACQUEZ SIGNATURE PLANE Jacque										
TRANSPORTER CO. M910 NAME DUGNE JACE JACE SIGNATURE DUGNE Jacque Sig										

Cue

san inting

envirotech

MANIFEST # 42098 DATE 9-14-12 JOB # 77057-0523

LOAD															
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE					
2	Enterphise touck K	LFD-4	Conf. So,2	B-8	16	_	Pel Rolo	1	16:05	Relat Real					
				-	11										
					10										
						i				·					
RESULTS	S: ØHLORIDE TEST	LANDFARM EMPLOYEE:	Dave	La	4	4	NOTES:								
	PAINT FILTER TEST	Certifi	cation of above rec	ceival & pla	cement										
"I certify th that no ad	ne material hauled from the a ditional materials have been	above location has		^						-					
		est-		Kalm	<u>[[</u>	a.l	SIGNATURE		CL						
	CONTACT_		PHONE	635-	- 85 7	`&	DATE 9	2-14	1-12	2					
S ires	red to c itio	ek 'ocu		,		~ .	ires red to c itio "e k 'ocu								



MANIFEST # _

DATE 9-14-12

_____ JOB # 11057-052

42099

LOAD										
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
	Ender Prise Tatalak K	LF 2-4	Cont Sol	B-9	10		BAMAAZ	01	622	Osar Ricero
					12					-
		-			10					
							arran - San Sido ya Andri Yana Yana da aka a Maka a Saka a Saka			
			······································			A				
RESULTS		LANDFARM EMPLOYEE:	Dave	Lane		H	NOTES:			
	PAINT FILTER TEST	Certific	ation of above re	ceival & pla	cement					
"I certify that no ad	ne material hauled from the ditional materials have been	above location has added."	not been added	to or mixed	with, and is \mathcal{O}	s the san	ne material received	d from th	e above	mentioned Generator, and
TRANSPO	RTER CO. Max	Sounires.		1500	FORIN	Con			201	- More oc
COMPANY S res	nat no additional materials have been added." RANSPORTER CO. Max Kountines NAME CSCOP RIVERE SIGNATURE CONTRICTED SIGNATURE CONTRICTED SIGNATURE CONTRICT 505 215 53.16 PHONE 505 3304089 DATE 9-11-12 Ires red to a tion 3 le scul									



42101 јов#<u>1105</u>7 MANIFEST # DATE

LOAD											
NO.	POINT OF O	RIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
	Enterprise	K	LF-II-Y	Conf. soil	B-8	12		MOSS	41	10:21	Dugget
2	(11	14. (1	u 11	B-8	12		MOSS	2	10:24	6 Soll
3	11	1 /	4 -1	se +1	B- 8	12		MOSS	47	1434	Durne 5
21	<i></i>	11	<i>vi i</i> i		B-3	· Z	/	moss	2	1434	HAM-
					_						The The
		- -				48				/	
						10					
-								·			
						4	Λ				
RESULTS	S: Chloride test		LANDFARM EMPLOYEE:	DÉCOURA	Kill	u t	t	Williend ac	cept	ance	-no charge
	PAINT FILTER TE	ST	Certific	cation of above red	ceival & pla	cement					
-											mentioned Generator, and
TRANSPO		059	Gycavatio	NAME	Juay	ne ha	rseh	SIGNATURE	Du		1
COMPANY Si ires	AANSPORTER CO. <u>Mess Bycavation</u> NAME <u>Dwayne Larsen</u> SIGNATURE <u>Dwayne</u> DMPANY CONTACT <u>Manuel Churez</u> PHONE DATE <u>9-15-12</u> <i>Ires ired to distribution of the local</i>										



MANIFEST # 42110 DATE 9-17-12 JOB #11057-0523

LOAD	СОМ	PLETE DESCRIPT	TION OF SHIPME	NT			TRANSP	ORTING	COMPA	YY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	entrenprise.	LFII-4	Contor So:1	B-8	20		yucca	AF4 AF4	17:06	1 Nerry
2	Trunk K	4	V	13-8	12	-	XVCCL	1 -	12:11	A and prees
3	69 JI	4 <i>6</i> q	4	C-8	20		YUCCA	AF4	16:10	MANK
4	64 69	ev 11	A	(-8	12		YUCCA	AF6	1	Richard Shelps
				_			ſ			N/
					104					
							ana Ali kali kali ka ka ang pangan ka			
					ſ	0				
RESULTS 7212	3: CHLORIDE TEST	LANDFARM EMPLOYEE:	Ala L	• •	~ {	\star	NOTES:			
	PAINT FILTER TEST Certification of above receival & placement									
"I certify that no ac	ne material hauled from the a ditional materials have been	above location has added."	not been added	to or mixed	with, and i	s the sar	ne material receive	ed from th	e above	mentioned Generator, and
	RTER CO. YUCGA		NAME	lant		at 10 (1)	SIGNATURE	Hen	ry Av	monta
	CONTACT Alley-	Mike San 9 le rou					DATE 9/	7 (1	menta



MANIFEST # 42113 DATE 9-17-12 JOB # 1057-05

LOAD	COM	PLETE DESCRIPT	TION OF SHIPMEN	NT		· .	TRANSPO	RTING	COMPAN	٩Y
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	POINT OF ORIGIN Epter Prise Trunk K-16	LF#-4	Const	G-5	20	~	Eteck	558	1225	Blue-
2	u' U	4 4	450°C.4	B-5	22		E-fech	617	1555	Bl War Richard Smith
					42	2				
					3		, ,			
		n fan en se in de Ministrijen generaam en stel stel de eenst								
			an binn ann an Anna ann an		х.					
			anna a chuir an an Anna an Aonaichte an an Anna an Anna an an Anna an an Anna an ann an							
					D	Λ				
RESULTS	S: CHLORIDE TEST	LANDFARM	Alala		Ę	t	NOTES:			
	PAINT FILTER TEST	Certifi	cation of above red	ceival & pla	cement					
										mentioned Generator, and
TRANSPO	RTER CO. E-Tech	agu midagagar gaa gene ee a		Bick 1	Bricho	. ب	SIGNATURE	BI	hr	
COMPANY	CONTACT Donald	Ortiz	PHONE	632-06	515	·	DATE 9/	רו/דו		
e ires	red to stio	ie li ocu								



MANIFEST # 42124 DATE 9-18-1-2 JOB # 97057-0523

LOAD	COM	PLETE DESCRIPT	TION OF SHIPME	NT			TRANSP	ORTING	COMPAI	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
)	Enter PASE Trunk K	UF II-5	Contan So.1	C-8	12.	-	Yuca	AH6	9:39	Richard ple eps
2	N)	1)	11	C.9	12	~		AFG	1255	Pechal phelps
3)/	11	11	C-9	12		17	AFG	1600	Richard philps
				-						, ,
					30					
						$\int $				
RESULTS	3: CHLORIDE TEST	LANDFARM EMPLOYEE:	Ala c			Ð	NOTES:			
		Certific	cation of above re	ceival & pla	cement					
امم مم دمطد	ne material hauled from the ditional materials have been	addad "								
	RTER CO. YUCCO CONTACT irec to "utic	ne i loci	-				DATE	9-18	-12	p



MANIFEST # 42128 DATE 9-18-12 JOB # 1057-0523

LOAD	COM	VIPLETE DESCRIP	FION OF SHIPME	NT			TRANSPC	RTING	COMPAN	łΥ
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENterPrise Trunk K	CFII-4	Cont	C-8	E.		Delphodo	1	11,0	Relpe Road
					12					
					12	ر				
		-								
						, A				
RESULT		LANDFARM EMPLOYEE:	Gary K	olins		đ	NOTES:			
	PAINT FILTER TEST		cation of above re							و المراجع الم
	he material hauled from the Iditional materials have bee			-					-	mentioned Generator, and
TRANSPO	RTER CO. Del	Prede	NAME	Kelp	l K.	~	SIGNATURE	Ke	Inl	Fred
	CONTACT	/ 	PHONE	635-	8578	3	DATE	7-1	8-1	2
c Jre.	s required prior to distributio			1	92162	D				



MANIFEST # 42130 DATE 9.18.12 JOB # 17057-0523

LOAD	СОМ	PLETE DESCRIPT	TION OF SHIPME	NT		TRANSPORTING COMPANY				
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
)	ENTERPRISE	4 FI	CONF	BC-9	18	-	mPA	71	1150	tilly
2	<u>,, ,</u> , ,, ,,	1,1	51	C-9	18	-	mPA	71	153	tilla c
				~						
					50					
						_				
RESULT	S: CHLORIDE TEST	LANDFARM EMPLOYEE:	P. c. 2) die			NOTES:			
6-10	PAINT FILTER TEST	1	cation of above re	ceival & pla						
"I certify the material hauled from the above location has not been added to or mixed with, and is the same material retains a distribution of the local document TRANSPORTER CO. $MPRA$ NAME $MARA LobA TO$ SIGN/ COMPANY CONTACT $Peak$ PHONE $330 - 4089$ DATE Signatures ired prior to distribution of the local document										
TRANSPO	PATER CO. MPC	7		n'he	Lobr	50	SIGNATURE	Ĩ,	12	TLL
COMPAN	CONTACT Deat	· •	PHONE	330-	408	9	DATE	9	-14	-12
Signature	eirec prior to distribution	n of the Incol Cocu	want		•184	• ··				·



MANIFEST # 42131 DATE 9-12 JOB #17057-0523

LOAD	CC	MPLETE DESCRIP	TION OF SHIPME	NT			TRANSPORTING COMPANY				
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	ENterPrise Trunk K	LFII.4	CONT	C9	1)		MAF	01	1205	Ocar Rivers	
2	. ,	,,	. ,	D-9	Y 1	-	mAx	01	1714	Mercard Viero	
				and a constant							
					22						
RESULTS		LANDFARM EMPLOYEE:	Going K	Lin	QA17	U.	NOTES:				
	PAINT FILTER TEST	Certifi	cation of above re				•				
	ertify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and no additional materials have been added,"										
TRANSPO	RTER CO. Ma)	× Kemine	E NAME (<u> </u>	V C	Ty'c	K AC ISIGNATURE	R	$\mathbf{T}($	24 TILLOON	
			PHONE	25	1408	4	DATE	9 -	18-	-12	
	AANSPORTER CO. MAX KONIFEE NAME CHOW OF USACISIGNATURE COM TIMON DMPANY CONTACT DE PHONE 304089 DATE 9-18-12										



42141 MANIFEST # _____ DATE 9-19-17. JOB # 105

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD	CC	MPLETE DESCRIPT	TION OF SHIPME		TRANSPORTING COMPANY					
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
١	ENterprise Trunk K	LFI-4	CON + Soil	D-9	12		MAF	01	925	Osar Rucco
2	11 11	N 1	11	D-9.	12		MAF	0	1339	
				-			1			
					24	>				
					-					
ļ										
								ļ		
							· · · · · · · · · · · · · · · · · · ·			
						1				
RESULTS	<u>3:</u>	LANDFARM	M	NOTES:						
-192	CHLORIDE TEST	EMPLOYEE:	ban 1	Colin	DON				·····	
	PAINT FILTER TEST	Certification of above receival & placement								

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added." NAME Obcar Rivera SIGNATURE Obcar Rivera PHONE 505 303 486-2754 9-19-12

TRANSPORTER CO. May	1
COMPANY CONTACT	WEMS

Signatures required prior to distribution of the legal document.



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Bill of Lading

42143 MANIFEST # DATE 9-19-12 JOB #17057

LOAD	СОМ	PLETE DESCRIPT	TON OF SHIPME	NT		TRANSPORTING COMPANY				
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENterprise Trunk K	LFII.4	CONF SU'L	D-9	12	\	Yuccia	AF6	930	Pieta phela
2	11 1)	1	11	D-9	12		(N)	Afg	1245	Ruhan phelos
				_		-				
					24	^				
			<u>Nurse and a set of the hold o</u>							
							et, e isaanne of ineandeide, –			
						1. A				
RESULTS	S: CHLORIDE TEST	LANDFARM EMPLOYEE:	Can	Koli	nsio	Y	JNOTES:			
	PAINT FILTER TEST Certification of above receival & placement									
that no ad	ne material hauled from the a ditional materials have been RTER CO. WMCCQ	added."	s not been added NAME R	to or mixed	with, and i	s the sar	ne material receive SIGNATURE	nd from the	a fill	mentioned Generator, and
COMPANY	AANSPORTER CO. YUCCO NAME RICHARD SIGNATURE Picture Please Phone 486-2754 DATE 9-19-12									

P	e	n	V		ľ	0	ł	e	C	h
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MANIFEST # ______ 42145 DATE _______ 42145

LOAD	СОМ	PLETE DESCRIPT	TION OF SHIPMEI	NT			TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENterPrise	LFIT.4	CONF	A B	18		MP¢A	71	931	thead
				D-9.		-				
					18					
						$1 \wedge$				
RESULTS	S: CHLORIDE TEST	LANDFARM EMPLOYEE:	Grang R	obin	Lon	U	NOTES:		,	
			cation of above red	•						
"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from that no additional materials have been added." TRANSPORTER CO. <u>MPSB</u> NAME <u>Mike Lobg-B</u> SIGNATURE COMPANY CONTACT <u>COccess</u> PHONE <u>330-4089</u> DATE <u>9-</u>										
TRANSPO	RTER CO. MPS	B		m'ite	Lob	<u>of fo</u>	SIGNATURE		L	ALP.
COMPANY	CONTACT COLA	·~	PHONE	3 <u>30 -</u>	4089		DATE	9 - 1	9-	12
Ci ure:	Ures required prior to Ution of the 1 10cl									



MANIFEST # 42150 DATE 9-19-1Z JOB # 1057-0523

LOAD	СОМ	PLETE DESCRIPT	ION OF SHIPMEI	NT			TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENterprise Frunk K	2FII.4	Cont	D-9	ļĠ	-	Dr Proch	1	1130	Relat Read
				D-9	15		Del Proch	1	1441	Relat Red
				6						
					3					
			: : : : : : : : : : : : : : : : : : :							
					•					
		·····								
										·
RESULT		LANDFARM EMPLOYEE:	Gog	Ral	indo	Y	NOTES:		<u></u> .	
· ·	PAINT FILTER TEST Certification of above receival & placement									
that no ad	certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and at no additional materials have been added." Image: Contract of the contract									
COMPAN	CONTACT Rolal	of the legal docu	PHONE	635-	-857	Ľ		- 19-	-12	·
	ires required to (Ution of the legal doci									



MANIFEST # ______ 42152 DATE ______ JOB # <u>77057-0523</u>

LOAD	СОМ		TRANSPORTING COMPANY							
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENTERPRISE Frunkk	LFII-4	Conit	D-9	12	~	Richl Trucking	03	11:47	Custos A Bail
_			-	-	17					
					12	-				
								-		
			· ·							
			· ·			, A				
RESULTS	S: CHLORIDE TEST	LANDFARM EMPLOYEE:	Going R	slind	ron	đ	NOTES:			
	PAINT FILTER TEST	Certific	ation of above rea	ceival & pla	cement					
	ne material hauled from the a ditional materials have been									
TRANSPO	RTER CO. <u>R. ehl Truc</u>	ching LLC	NAME C	wrtis	Riehl	/	SIGNATURE	Cur	the A	Rall
COMPANY	CONTACT Charles 1	Proin	PHONE	505 3	- 30 4	084	DATE 9	19-1	2	مرور معرفي معروف والمرور والمعرفين والمعرفين والمرور والم
S'ires	RANSPORTER CO. <u>R, eh/ Truck, g UC</u> NAME Curtis <u>Rieh/</u> SIGNATURE <u>Curtic M. Ruch/</u> COMPANY CONTACT <u>Charled Drein</u> PHONE <u>505</u> <u>370</u> <u>4089</u> DATE <u>9.19-12</u> """ res red prior to distribution of the legal document									



MANIFEST # ______ 42153 DATE 9-19-12 JOB # 11057-0

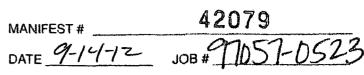
LOAD	СОМ	PLETE DESCRIPT	TION OF SHIPMEI	NT		TRANSPORTING COMPANY				
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
7	ENterprise Trunk K	LFII-4	Here .	D9	20		Etech	585	134K	MIO
			Joit H	-		Ł				
			Soil		20	P				
	·									
		·								
						10				
RESULT	S: CHLORIDE TEST	LANDFARM EMPLOYEE:	Comit		ns an	U	NOTES:			
010	PAINT FILTER TEST		cation of above red							
"I certify t thát no ac	Certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and ansporter co. <u>Fausy deck</u> NAME <u>Williem</u> <u>F</u> <u>[U]</u> <u>Sun</u> SIGNATURE <u>Methy Julie</u> MPANY CONTACT <u>Juny M</u> . PHONE <u>747-1166</u> DATE <u>9-19-12</u>									
TRANSPC	RTER CO. Enviroler	L.		N. lieu	4 Tile	1, 54	SIGNATURE	11/2	k/v	elui
	CONTACT <u>Janny</u>	he loci	PHONE	747-	1166	- من وقار « مندم هـ ·	DATE	-19	-1.2	<u>.</u>



MANIFEST # ______ 42077 DATE _______ JOB # ______ JOS 7-05 12

LOAD	CON	IPLETE DESCRIPT	TION OF SHIPMEN	TRANSPORTING COMPANY							
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME		
1	Land Form	enterprise Trunk K	Clean Soil		10		YUECE	AFG	10:25	Kerdlon	
2	11	4	い		10	_	4		13:47	Ballan	
			,			-				, , , , , , , , , , , , , , , , , , , ,	
					20						
								1			
·							a daga di karang karang karang karang dala sebagai karang karang karang karang karang karang karang karang kar			a fan de an state a fan state fan state fan de antike state a fan de antike state fan state state state state	
										an daram diliya	
					,	\wedge					
RESULTS		LANDFARM	al		t	V	NOTES:				
LOUX	CHLORIDE TEST	EMPLOYEE:	Ma le								
	PAINT FILTER TEST		cation of above rec	· · · · · · · · · · · · · · · · · · ·							
^{al} certify that no ad	ertify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and it no additional materials have been added."										
TRANSPO	RTER CO. TUCCA We	Ilin + Ex	COU, NAME	Kut	Hoge	<u> </u>	SIGNATURE	P	ind	flor	
COMPANY	CONTACT	· · · · · · · · · · · ·	PHONE		· · ·		DATE		، د		
l ure:	at no additional materials have been added." RANSPORTER CO. <u>Yucca Welding & Excau</u> , NAME <u>Lack fogers</u> SIGNATURE <u>How for</u> OMPANY CONTACT <u>PHONE</u> DATE										



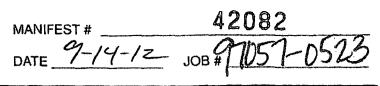


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LOAD	СОМ	PLETE DESCRIPT		TRANSPORTING COMPANY									
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE			
1	Land form	enterrise	Clean Soil	-	10	-	mass	2	10:57	Matha BML			
2		enterrise Trunk K	10		10	-	mass moss	17	10:57	OL KOLEN MR.M			
3	U a	4 4	4 U_	1 - Contraction of the contracti	10	-	M739	2	16:00	YARE			
						1				1200			
					30								
								1					
	anna ann an Anna ann ann ann ann ann ann							1					
						-		1					
													
		``				A							
RESULTS	CHLORIDE TEST	LANDFARM EMPLOYEE:	No			X	NOTES:		A				
TXX C	PAINT FILTER TEST	Certific	cation of above red	ceival & pla	cement								
	certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above prentioned Generator, and hat no additional materials have been added."												
COMPANY	CONTACT R.L			3207	1233	/	DATE	9	14-2	1012			
Signatures required prior to distribution of the legal document.													

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LOAD	СОМ	PLETE DESCRIPT	FION OF SHIPMEN		TRANSPORTING COMPANY					
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
	Laudbern	Enterprise Trunk K	Clean Seil		12	-	Halo	TZY	11:58	Duas Janpar
				-	10	-				
					12	P				
RESULTS		LANDFARM	M		A		NOTES:			
	CHLORIDE TEST	EMPLOYEE:	Alad							
	PAINT FILTER TEST	Certifi	cation of above red	ceival & pla	cement					
	e material hauled from the ditional materials have been		s not been added t	o or mixed	with, and i	s the sar	ne material receive	ed from th	e above	e mentioned Generator, and
				vane ?	Jacan	e Z	SIGNATURE	Du	me Z	Tay
COMPANY	CONTACT Charile)eqn	PHONE 3	30-4	1089	دىرىمە بور بىرمۇرىرە	DATE 9	-14-1	12	/



MANIFEST # 42084 DATE 9-14-12 JOB # 7057-0523

LOAD	со	MPLETĘ DESCRIPT	TION OF SHIPME	TRANSPORTING COMPANY						
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Landform	enterprise Trunk K	Clean	<u> </u>	10		MAX RAMCRAZ	01	12:24	Oscar & I'verc
					IN					
					10					
									······	
	·									
			· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·	-		
							anna a an			
						\				
RESULTS	TS: CHLORIDE TEST EMPLOYEE:						NOTES:	11		
1,20	PAINT FILTER TEST	Certific	cation of above re-	céival & pla	cement					
"I certify th that no ad	ne material hauled from the ditional materials have bee	e above location has in added."	not been added	to or mixed	with, and is $\sqrt{2}$,	s the san	ne material receive	d from th	e above *7	mentioned Generator, and
TRANSPO	RTER CO. Mary	Kamires !		sar	On ive		SIGNATURE	Ć	Eur	Killera
COMPANY	The material materials have been added." RANSPORTER CO. MELX Karnives CO. NAME OSCAN RIVENCE SIGNATURE CHECKED MEMORY CONTACT SOS 2(553/6 PHONE(SOS) 330-4089 DATE 9-14-12 Ire: rea to: Itio e le ocu									



MANIFEST #	42085
DATE 9-14-12	JOB # 17057-0523

LOAD	COM	TION OF SHIPMEN	TRANSPORTING COMPANY							
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Land form	enterprise TRAK K	Clean Soil		15		Del prodo	1	זביכן	Rell fral
						•				
					15					
							anna an an Anna ann an Anna ann an Anna ann an Anna Ann			
						٨_				
RESULTS	CHLORIDE TEST	LANDFARM EMPLOYEE:	Alang	/	Ł	Į	NOTES:		· · · · · · · · · · · · · · · · · · ·	
	PAINT FILTER TEST	Certifi	cation of above rec	eival & pla	cement					
										mentioned Generator, and
TRANSPO	ATER CO. Del P	adu		c/ph_	100	k	SIGNATURE			
COMPANY	ditional materials have been ATER CO. Del Per CONTACT Relat		PHONE	635	-857	8	DATE 9-	- 14	12	
E ire:	irec to to the	ne loci	-							

envirotech

DATE 9-141-12 JOB # 1057

LOAD	COM	PLETE DESCRIP	TION OF SHIPME	TRANSPORTING COMPANY						
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
	Land Garm	Enterprise TRAKK	Clean So.1		18		E-Tech	13:35	558	Bluk Rick Smith
2	· 4	Ц	11	-	20		E-Tech E-Tech	B17	14:04	Rick Smith
				-	20					
					20					
	-									
RESULT	P	LANDFARM	A I		-1	T	NOTES:			
	CHLORIDE TEST	EMPLOYEE:	Hal		······································	~				
	PAINT FILTER TEST	1	cation of above red							
										mentioned Generator, and
TRANSPO	RTER CO. E-Tech			uck Bi	rkhou		SIGNATURE	B	412	2
COMPANY	RANSPORTER CO. F-Tech NAME Buck Burkhow SIGNATURE BUCK BUCK BUCK BURKhow SIGNATURE BUCK BUCK BUCK BUCK BUCK BUCK BUCK BUCK									
S res	ires red to i itio. "eli 'ocu									



LOAD	COM	TRANSPORTING COMPANY								
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Land Farm	enterprise Trunk K	(lean Sail		12		Moss	47	7:29	Rugel
2	I And Farm	1]	cleansoil	~	12		Mass	47	10:21	Rach
3	1	1(1(-	15	_	MASS	2	10:24	ABA S
					- 0-				1	6 mg
					30					
					1	٨				
RESULTS	CHLORIDE TEST	LANDFARM EMPLOYEE:	Alze	-	{	t	Williams or	cept	ance-	-no charge
D^{2}	PAINT FILTER TEST	Certific	cation of above rec	eival & pla	cement					
4	ne material hauled from the a ditional materials have been	الأسطام الم								
TRANSPOR	TRANSPORTER CO. MOSS K+Caratial NAME Duayne Larsen SIGNATURE Durge h									
COMPANY S res	RANSPORTER CO. MOSS Excandition NAME Progree Larsen SIGNATURE Durgre Larsen SIGNATURE Durgre Larsen DATE 9-15-12 COMPANY CONTACT Manuel ((Lavez PHONE 370- DATE 9-15-12 S res red to c thos res res res red to c thos res res res red to c thos res res res res res res res res res re									



MANIFEST # 42111 DATE <u>9-12.17</u> JOB # <u>11057-0523</u>

LOAD	СОМ	TRANSPORTING COMPANY									
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	Land form	enterprise Trunn K	Clean Fill		20	$\overline{}$	YUCCA	<u>A</u> F4	1206	MONG	
2	le	i i	Fill Soil.		12	-	· ·/	AF6	1211	Richardolas	
3	d u	11 4	u u		12		v U	AF6	16:42	Publisphelp	
					I						
					44						
											
								-			
· · ·											
		· · ·				2					
RESULT	<u>}:</u>	LANDFARM	1/		7	1	NOTES:				
JEX I	CHLORIDE TEST	EMPLOYEE:	Hen	- her					1		
	PAINT FILTER TEST		cation of above rec					Δ			
	ne material hauled from the a ditional materials have been		not been added t	to or mixed	with, and i	s the sar	me material receive	d from th	e above	mentioned Generator, and	
				tenra	Arm	ente			WM)	
	RANSPORTER CO. NAME HEAVY AMENTA SIGNATURE AND THE DATE										



MANIFEST # 42114 DATE 9-17-12 JOB #17057-0523

LOAD	COM	COMPLETE DESCRIPTION OF SHIPMENT								TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE			
1	Etech	ENTERPRISE Trunk K	Clean		20		E. Feck	558	1225	Blue			
		16	1~1/)		00								
					20								
							~						
RESHLTS	CHLORIDE TEST	LANDFARM EMPLOYEE:	Alas		Ū		NOTES:						
1 11. 1	PAINT FILTER TEST	Certific	cation of above rec	eival & pla	cement								
-									AT	mentioned Generator, and			
TRANSPO	ATER CO. E-Tech	ւթուր այդ հաստորդություն ու է սառու սվեց հայրենանիները է	NAME B	uck li	Borkhan	,	SIGNATURE	b	lh	A			
COMPANY 5 ires	at no additional materials have been added." RANSPORTER CO. E-Zch NAME Buck Burkhow SIGNATURE Bluck DMPANY CONTACT Domald Orfiz PHONE 632-0615 DATE 9/17/12 Ires red to (110 10 11 010												



42117 MANIFEST # DATE 9-1872 JOB # 17057-0523

LOAD	СОМ	PLETE DESCRIPT	TION OF SHIPMEN	TRANSPORTING COMPANY						
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	land form	Enterprise Trunk K	Clean Soil	-	18	-	mp: A	71	7:50	LARAI
2	ر <u>ب</u>	11	11	-	18	-	mp\$A	71	1150	X.16A
3	1	1,	N J	-	18		MPAA	71	1530	X IIM
				-			,			
					54					
										<u> </u>
	an a									
						Λ				
RESULTS	CHLORIDE TEST	LANDFARM EMPLOYEE:	Als		-if	力	NOTES:	······		
	PAINT FILTER TEST	Certific	cation of above rec	eival & pla	cement					
الديم أحاص المصاللة	ne material hauled from the ditional materials have been	a alala al 9								
TRANSPOR	RTER CO. MP 2	P		nj.he	Lodal	~	SIGNATURE	h	L.	Ž.
COMPANY ure	RANSPORTER CO. MPCP NAME Mibe Laboto SIGNATURE LALA OMPANY CONTACT Des. PHONE 330-4089 DATE 9-18-12 ure vire to nutio he toc									



42118 MANIFEST # JOB # 977 DATE 9.18-12

LOAD	COM	IPLETE DESCRIPT	ION OF SHIPME	NT			TRANSPO	RTING	COMPAN	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
)	Land Form	Enterprise Trunk K	Clean Soil		16	Canada	Dei prado	1	7:50	Rolph Red
					110				, III	
					IQ					
									•	
						, ^				
RESULTS	Auguring	LANDFARM	11			U I	NOTES:			
Loox	CHLORIDE TEST	EMPLOYEE:	Ale	<u> </u>			······································			
$Z \Delta^{*}$	PAINT FILTER TEST		cation of above rec							
										mentioned Generator, and \land
TRANSPO	ATER CO Relad	Prado	NAME	Ref	Kin	٢	SIGNATURE	Rel	1	Rech
	CONTACT Relph		PHONE	675-	85 7E	9	DATE 9-	19.1	2	Red



MANIFEST # 42119 DATE 9-18-12 JOB # 97057-0523

LOAD	CON	PLETE DESCRIPT	ION OF SHIPME	NT			TRANSP	ORTING	COMPAN	٩Y
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
)	Land form	Enterprise Trunk K	Clean Soil		12	-	Max	0	7:50	Oscar Riverc
2	17	11) /		12		MAK	01	1205	Oscar River
3	. /	• •	2 1		12	-	MAR	01	1703	Bard S.
					210	-				
					94		· · ·			
								-		
		-								
						A		- <u> </u>		
RESULTS	S:	LANDFARM	~ 1		-+	T	NOTES:		. <u></u> 1	
Xaal	CHLORIDE TEST	EMPLOYEE:	Ma	<u></u>	<u> </u>					
0/2	PAINT FILTER TEST		cation of above re							
	ne material hauled from the ditional materials have been	n addaad 7								mentioned Generator, and
TRANSPO	II IA	Kanies		Isca	<u>5</u>	-	SIGNATUR	<u>D</u> 3	ar	Rivere
-	CONTACT_D_eA/		PHONE	330	40 8°	7	DATE	9	1812)
l Ire	vire to utiv	he loci	•		om.	.				



MANIFEST # DATE <u>9-18</u>

42125 JOB #1105

and -----

LOAD	CON	IPLETE DESCRIP	FION OF SHIPMEN	IT	1924/2010		TRANSP	ORTING	COMPA	NY
NO. •	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Land form	entoprise TRAKK	Clean Soil		12		YUCCA	A+6	9:39	Pectro philps
2	17	()	-14	51	12		1)	AFG	1255	Rebord piclos
3	11	1	>1		12		١,	AFG	1600	Richard phelos
				•	210					
					24					
					•					
							n an			
				•		11				
RESULTS		LANDFARM EMPLOYEE:	Ala			Ч	NOTES:			
	PAINT FILTER TEST		cation of above rec							
"I certify th that no ad	ne material hauled from the ditional materials have beer	addad "								mentioned Generator, and
	ATER CO. YUCCU		NAME R	choro	1 yhel	15	SIGNATUR	Perl	asf	shelps
	CONTACT		PHONE		¥ 		DATE	961	<u> 8-1'a</u>	2
ure	lire to uti c	he loc				C				



MANIFEST # 42138 9 DATE 9.19.12 JOB # 97057-0523

LOAD	СОМ	PLETE DESCRIPT	ION OF SHIPMEN	IT			TRANSPO	RTING	COMPAN	٩Y
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVirotech Land Farm	ZNTERPA. Trunkk	Clean Fillsoic		17	-	Dol Pool	1	830	Relph Rode
2	, X X X X	×	N ,		17	-	ر ب)	1130	Robal Prach
					A	-				
				<u></u>	34					a <mark>an ann an ann an ann an ann an ann an</mark>
						۱۸				
RESULTS		LANDFARM EMPLOYEE:	Craw k	abi	ns on	ų į	NOTES:			
0 m	PAINT FILTER TEST	Certific	cation of above rec	eival & pla	cement		. •			
"I certily th that no ad	ne material hauled from the a ditional materials have been	above location has added."								
	RTER CO. Pol	/ /		.11	1200	10	SIGNATURE	the	11	
	CONTACT Kelk	/ 	PHONE	635	-85.76	ç	DATE 9-	19-1	12	
ure	utic	he loc	i a Ni samata	uelo						an Destances

envirotech

DATE 9.19.12 JOB #1057-1

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD	СОМ	PLETE DESCRIPT	ION OF SHIPMEN	T			TRANSPO	RTING	COMPA	٧Y
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
[E.tech	ENTERPRIS	Clean	~	12		Richt Trucking	03	8:34	Cuity A. Ruil
2	()	r t	Soil	-	12	-	kı J	63	1150	Cuity A. Ruh
						-				
					24					
							·			
	an a									
										
							······································			
	9					. ^	· · · · · · · · · · · · · · · · · · ·			
RESULTS):	LANDFARM	1		~	Ħ	NOTES:		A	
AN N	CHLORIDE TEST	EMPLOYEE:	Gay	Poloi	nson	\sim	· · · · · · · · · · · · · · · · · · ·	·····	<u></u>	
YXN	PAINT FILTER TEST	Certific	cation of above rec							
	ne material hauled from the		not been added t	o or mixed	with, and is	s the sar	ne material received	from th	e above	mentioned Generator, and
	ditional materials have been		NAME C	untic.	Riohl		SIGNATURE	P	ta	e. Ball

PHONE 505 330 4089 COMPANY CONTACT Charle Degn he local doci Urec utic ~ ~ * 'ire

Cire

DATE 9-19-12

envirotech

MANIFEST # 42142 DATE 9-19-12 JOB #1051-0523

LOAD	COM	IPLETE DESCRIPT	ION OF SHIPMEI	NT			TRANSP	ORTING	COMPAI	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enter Prise	Enterph. Trunkk	Se Clean Fill	·	12	-	max	01	925	OscaroRivera
		-	5012.	-	17					
					12	F				
			,							
RESULTS	CHLORIDE TEST	LANDFARM EMPLOYEE:	Gay P.	of im	A an	4-	NOTES:			
	PAINT FILTER TEST	Certific	ation of above red							
										mentioned Generator, and
TRANSPO	RTER CO. MAP	· · · · · · · · · · · · · · · · · · ·		Lear	<u>_0<</u>	iven		:().	20	rallera
COMPANY S res		WEMS 1 916 ICUI	PHONE	-480	6-27	54	DATE	191	Z	· · · · ·



DATE 9-19.12 JOB # 2154

LOAD	СОМ	PLETE DESCRIPT	ION OF SHIPMEI	NT			TRANSPO	RTING	COMPAI	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
	Envirotech Land Farm	ENterPrise Trunkk.	Clean		2	Ð	Etech	5.83	°1045	OF ()
	24, 27 4,				2					
					2					
					_					
				_						
						1	•			
RESULTS		LANDFARM EMPLOYEE:	Any	Ra	lint	A	NOTES:			
	PAINT FILTER TEST	Certific	cation of above red	ceival & pla	cement					
f certify th that no ad	ne material hauled from the ditional materials have been	above location has added."	not been added t	to or mixed	with, and i	s the sar	ne material receive	d from th	e above	mentioned Generator, and
TRANSPO	ne material hauled from the ditional materials have been RTER CO. <u>FAULICE</u> CONTACT <u>FAULICE</u> <i>irec</i> to utic	d	NAME	21/101	Thi	<u>] 501</u>	SIGNATURE	γ_{λ}	4/1	Yelm
COMPANY	CONTACT Juny	1.	PHONE	747-	1166_			- <u>iЧ</u>	-12	
ure.	irec to utic	10Ci 10Ci	11		.	•				

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Revised August 8, 2011 Submit 1 Copy to appropriate District Office in

1.

Form C-141,

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

Release Notification and Corrective Action

OPERATOR	Ir Ir	itial Report X Final Report with third party final closure sampling report
Name of Company Enterprise Products		Contact Aaron Dailey
Address 614 Reilly Avenue, Farmington NM 87401		Telephone No. (505)599-2286
Facility Name Lateral 2C-6 Pipeline		Facility Type Natural Gas Gathering line

Surface Owner BL	M
------------------	---

Mineral Owner BLM

API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	12	25N	8W					San Juan

Latitude_N36.418339__ Longitude_W107.630690 (Decimal Degrees)____

NATURE OF RELEASE

Type of Release Natural gas	Volume of Release 100 MCF(est. over long time)	Volume Recovered None
Source of Release External Corrosion from natural gas pipeline	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 5.30.2012 @ 15:50 hours
Was Immediate Notice Given?	If YES, To Whom?	·
By Whom?	Date and Hour	
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	ercourse. RCVD JUN 24 '13
If a Watercourse was Impacted, Describe Fully.*		OIL CONS. DIV.
Describe Cause of Problem and Remedial Action Taken.* Enterprise employee discovered a pipeline leak while conducting a pipelin out, tag out to the pipeline.	ne patrol. Enterprise employees isolate	
Describe Area Affected and Cleanup Action Taken.* The affected area was isolated to bedrock as this section of pipe is laid o that the pipeline leaked due to external corrosion possibly from the surro There was minimal liquid discovered likely because of the pipe's steep s conducted soil confirmation sampling of the surrounding soil while repa to this "final" c-141 report.	ounding rocks that were used to improp slope. The area was excavated and a th	berly backfill the pipeline many years ago. ird party environmental contractor
I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release ne public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remediat or the environment. In addition, NMOCD acceptance of a C-141 report d federal, state, or local laws and/or regulations.	otifications and perform corrective act e NMOCD marked as "Final Report" of e contamination that pose a threat to g	ions for releases which may endanger loes not relieve the operator of liability round water, surface water, human health
Signature:	OIL CONSERV	ATION DIVISION
Printed Name: Matt Marra	Approved by Environmental Specialis	1: Jovettp. Kelly
Title: Senior Director, Environmental	Approval Date: 8/26/2013	Expiration Date:
E-mail Address: amdailey@eprod.com Date: $(a - 18 - 2013)$ Phone: (505)599-2286	Conditions of Approval:	Attached
Attach Additional Sheets If Necessary		

nJK1323839843



Animas Environmental Services, LLC

www.animasenvironmental.com

624 E. Comanche Farmington, NM 87401 505-564-2281

> Durango, Colorado 970-403-3084

RCVD JUN 24'13 OIL CONS. DIV.

DIST, 3

May 29, 2013

Aaron Dailey Enterprise Field Services, LLC 614 Reilly Avenue Farmington, New Mexico 87401

RE: Confirmation Soil Sampling Report Lateral 2C-6 May 2012 Pipeline Release San Juan County, New Mexico

Dear Mr. Dailey:

On April 8, 2013, Animas Environmental Services, LLC (AES) collected a confirmation soil sample to monitor the progress of remedial efforts at the Enterprise Field Services, LLC (Enterprise) Lateral 2C-6 May 2012 release location. A topographic site location map is included as Figure 1, and an aerial site map is included as Figure 2.

1.0 Release History

In June 2012, AES completed an assessment associated with a release of natural gas condensate from Lateral 2C-6 pipeline. A complete release assessment report was prepared and submitted by AES on August 22, 2012. AES recommended treating residual contamination and stockpiled soils with a microbial solution in order to enhance bioremediation of petroleum hydrocarbon contaminated soils remaining on location. On August 27, 2012, a report addendum documenting application of the microbial solution across the surface of the release area and stockpiled soil was submitted to Enterprise.

2.0 Release Ranking

The release area is located on Federal land under jurisdiction of the Bureau of Land Management (BLM) within the NW¼ NE¼, Section 12, T25N, R8W, San Juan County, New Mexico. Latitude and longitude of the release were recorded as N36.41836 and W107.63071, respectively. A topographic site location map is included as Figure 1, and an aerial map showing the release location is included as Figure 2.

In accordance with NMOCD release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to the initial assessment. The release was given a ranking score of 0 based on the following factors:

Aaron Dailey Lateral 2C-6 Confirmation Sampling Report May 29, 2013 Page 2 of 3

- Depth to Groundwater: Depth to groundwater is assumed to be greater than 100 feet below ground surface (bgs) due to the geographical location of the release and field observations. (0 points)
- Wellhead Protection Area: The release location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: No surface waters were identified within 1,000 feet of the release location. (0 points)

3.0 Confirmation Soil Sampling, April 2013

On April 8, 2013, AES returned to the location and collected a confirmation soil sample to monitor the progress of remedial efforts. The soil sample was collected from 3 feet below ground surface (bgs) in the area of residual contaminant impact. The sample was field screened for volatile organic compounds (VOCs) with a photoionization detector (PID) organic vapor meter (OVM). The VOC concentration was recorded as 1.1 ppm.

The soil sample was also submitted to Hall Environmental Analysis Laboratory (Hall), in Albuquerque, New Mexico, for laboratory analysis. The sample was analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8021B. The benzene and total BTEX concentrations were below the laboratory detection limits of 0.047 mg/kg and 0.236 mg/kg, respectively. The sample location and laboratory analytical results are included on Figure 3. Laboratory analytical reports are attached.

4.0 Conclusions and Recommendations

Based on field screening and laboratory analytical results from the confirmation sampling, soils are not impacted above NMOCD action levels. No further action is recommended at the Lateral 2C-6 May 2012 pipeline release location.

If you have any questions about site conditions or the recent site activities, please do not hesitate to contact Ross Kennemer at (505) 564-2281.

Sincerely,

· · ·

Sandres R. Cupps

Landrea Cupps Environmental Scientist

Aaron Dailey Lateral 2C-6 Confirmation Sampling Report May 29, 2013 Page 3 of 3

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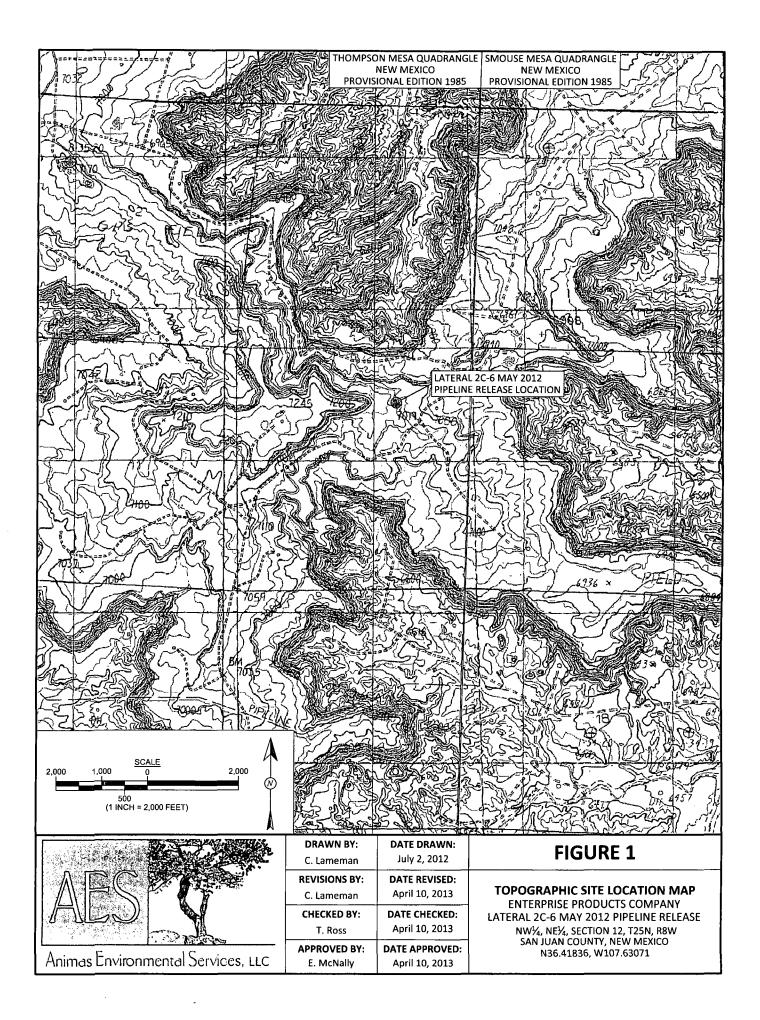
Elizabeth V Mindly

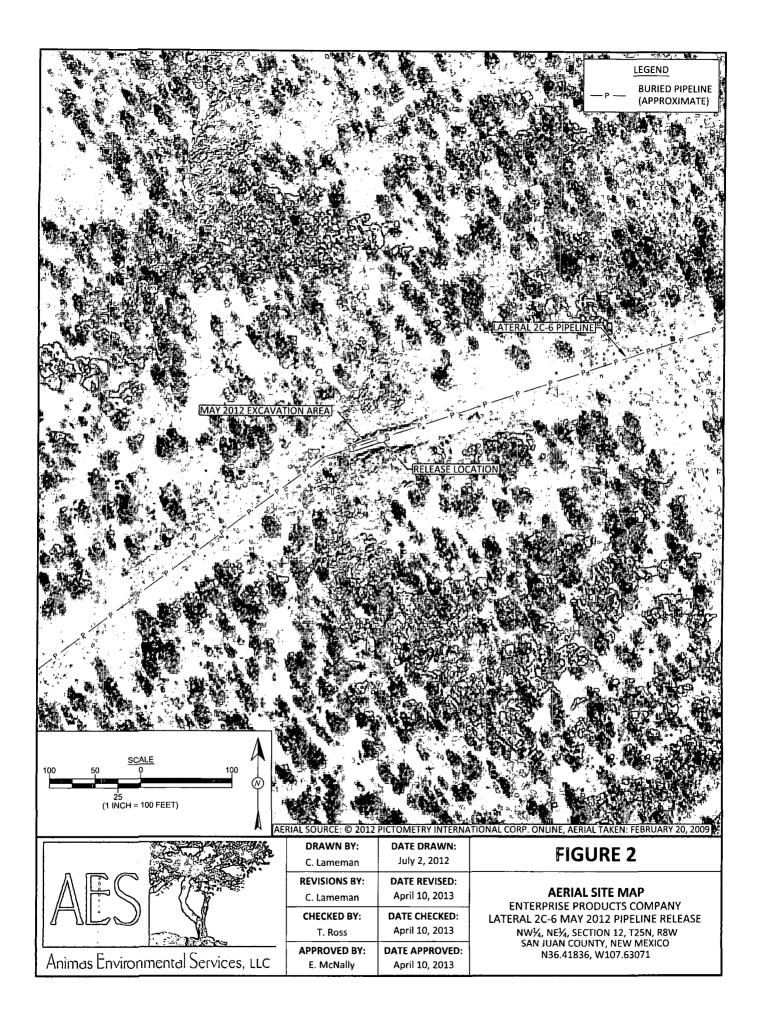
Elizabeth McNally, P.E.

Attachments:

Figure 1. Topographic Site Location MapFigure 2. Aerial Site MapFigure 3. Confirmation Sample Location and Results, April 2013Hall Analytical Report 1304323

R:\Animas 2000\Dropbox\2013 Projects\Enterprise\Lateral 2C-6\Lateral 2C-6 Confirmation Soil Sampling Report 052913.docx





		Field Scre	ening and L	aboratory And	alytical Results			JUNE 2012 SAMPL
Sample ID	Date	Depth (ft)	OVM- PID (ppm)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	O APRIL 2013 SAMP LOCATION
NMOC	CD ACTION LE	EVEL	100	10	50	5,0	000	BURIED PIPELINE (APPROXIMATE)
SC-1	6/8/12	1 to 3	392	0.59	33	190	310	
SC-2	6/8/12	1 to 3	274	1.0	40	220	420	
SC-3	6/8/12	1 to 3	489	<0.48	1.7	<48	290	
SC-4	6/8/12	1 to 3	502	<0.49	2.2	<49	280	
SC-5	6/8/12	1 to 3	454	5.3	124	490	1,900	
SC-6	6/8/12	1 to 3	7.5	<0.047	<0.234	<4.7	<10	
SC-7	6/8/12	3	221	0.96	19	100	210	
SC-8	6/8/12	3	204	<0.94	20	130	750	
S-1	4/8/13	3	1.1	<0.047	<0.236	NA	NA	
								LATERAL 2C-6 PIPELINE
PP -	JUNE 20 SC-5	12 EXCAVAT	SC-4	8 5C-2	P P	P - SC-3	7 SC-1 RE	P SC-6 LEASE LOCATION 36.41836, W107.63071
- p p -	Γ	P P	SC-4		1	P SC-		SCALE 0 10 2 NCH = 10 FEET)
P P	Γ	P P	SC-4	DRAWN C. Lamer	man Jul ^y	E DRAWN: y 2, 2012		SCALE 2 SCALE 2 (
	Γ	P P	SC-4	DRAWN C. Lamer REVISION	man Jul ^a S BY: DATI	E DRAWN: y 2, 2012 E REVISED:		SCALE 0 10 2 INCH = 10 FEET) FIGURE 3 ATION SAMPLE LOCATION
P P	Γ	P P	SC-4	DRAWN C. Lamer REVISION C. Lamer	man Jul ⁴ S BY: DATI man Apri	E DRAWN: y 2, 2012 E REVISED: 1 10, 2013		SCALE 10 2 INCH = 10 FEET) FIGURE 3
P P	Γ	P P	SC-4	DRAWN C. Lamer REVISION	man Jul S BY: DATI man Apri DBY: DATE	E DRAWN: y 2, 2012 E REVISED:	SC-1 RE N3	SCALE 0 10 2 INCH = 10 FEET) FIGURE 3 ATION SAMPLE LOCATION RESULTS, APRIL 2013 ISE PRODUCTS COMPANY 5 MAY 2012 PIPELINE RELEAS
- p - p -	Γ	5-1 5-1	SC-4	DRAWN C. Lamer REVISION C. Lamer CHECKED	man Juli S BY: DATI man Apri D BY: DATE is Apri	E DRAWN: y 2, 2012 E REVISED: 1 10, 2013 CHECKED:	10 6 7 SC-1 RE N3 CONFIRMA AND I ENTERPR LATERAL 2C-6 NW ³ (A) JU/	SCALE 0 10 2 INCH = 10 FEET) FIGURE 3 ATION SAMPLE LOCATION RESULTS, APRIL 2013 ISE PRODUCTS COMPANY

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HALL ENVIRONMENTAL ANALYSIS LABORATORY

April 17, 2013

Tami Ross Animas Environmental Services 624 East Comanche Farmington, NM 87401 TEL: (505) 793-2072 FAX (505) 324-2022

RE: Lateral 2C-6

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.: 1304323

Dear Tami Ross:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/9/2013 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. 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. 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.

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1304323 Date Reported: 4/17/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Servi	ices	Client Sample ID: S1@3' BG								
Project: Lateral 2C-6		Collection Date: 4/8/2013 12:21:00 PM								
Lab ID: 1304323-001	Matrix:	SOIL	Received D	Received Date: 4/9/2013 10:05:00 AM						
Analyses	Result	RL Qu	al Units	DF	Date Analyzed					
EPA METHOD 8021B: VOLATILES					Analyst: NSB					
Benzene	ND	0.047	mg/Kg	1	4/11/2013 1:38:48 PM					
Toluene	ND	0.047	mg/Kg	1	4/11/2013 1:38:48 PM					
Ethylbenzene	ND	0.047	mg/Kg	1	4/11/2013 1:38:48 PM					
Xylenes, Total	ND	0.095	mg/Kg	1	4/11/2013 1:38:48 PM					
Surr: 4-Bromofluorobenzene	107	80-120	%REC	1	4/11/2013 1:38:48 PM					

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

J Analyte detected below quantitation limits

Р Sample pH greater than 2

RL Reporting Detection Limit

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits S

QC SUMMARY REPORT

Hall Environmental	Analysis	Laboratory, Inc.	
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Client: Project:	Animas Lateral	Environme 2C-6	ental Ser	vices							
Sample ID	MB-6906	Samp	Туре: М	3LK	Tes	tCode: E	PA Method	8021B: Vola	tiles		<u> </u>
Client ID:	PBS		h ID: 69		F	RunNo: 9	807				
Prep Date:		Analysis [SeqNo: 2		Units: mg/l	(a		
•	410/2010	-						-	-		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene Toluene		ND ND	0.050 0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.050								
•	ofluorobenzene	1.1	0.10	1.000		105	80	120			
				1.000							
Sample ID	LCS-6906	SampT	Type: LC	S	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	LCSS	Batci	h ID: 69	06	F	RunNo: 9	807				
Prep Date:	4/10/2013	Analysis D	Date: 4/	11/2013	S	SeqNo: 2	79315	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.0	0.050	1.000	0	103	80	120			
Toluene		1.1	0.050	1.000	0	106	80	120			
Ethylbenzene		1.0	0.050	1.000	0	104	80	120			
Xylenes, Total		3.1	0.10	3.000	0	103	80	120			
Surr: 4-Brom	ofluorobenzene	1.1		1.000		112	80	120			
Sample ID	1304323-001AM	S Samp1	Гуре: МS	5	Tes	tCode: E	PA Method	8021B: Vola	tiles		<u> </u>
Client ID:	S1@3' BG	Batcl	h ID: 69	06	F	RunNo: 9	807				
Prep Date:	4/10/2013	Analysis E	Date: 4/	11/2013	5	SeqNo: 2	79317	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.0	0.048	0.9542	0	107	67.2	113			
Toluene		1.1	0.048	0.9542	0	1 11	62.1	116			
Ethylbenzene		1.0	0.048	0.9542	0	110	67.9	127			
Xylenes, Total		3.1	0.095	2.863	0	108	60.6	134			
Surr: 4-Brom	ofluorobenzene	1.1		0.9542		112	80	120			
Sample ID	1304323-001AM	SD Samp1	ype: MS	SD	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID:	S1@3' BG	Batcl	h ID: 69	06	F	RunNo: 9	807				
Prep Date:	4/10/2013	Analysis D	Date: 4/	11/2013	S	SeqNo: 2	79318	Units: mg/ł	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.0	0.048	0.9533	0	107	67.2	113	0.424	14.3	
Toluene		1.1	0.048	0.9533	0	113	62.1	116	1.58	15.9	
Ethylbenzene		1.1	0.048	0.9533	0	112	67.9	127	1.72	14.4	
Kylenes, Total		3.2	0.095	2.860	0	112	60.6	134	3.34	12.6	
Surr: 4-Brom	ofluorobenzene	1.1		0.9533		111	80	120	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Page 2 of 2

WO#: 1304323

17-Apr-13

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albu Albu TEL: 505-345-3975 Website: www.hal	4901 Hawkins querque, NM 87 FAX: 505-345-4	^{8 NE} 2105 Sam j 210;	ble Log-In Ch	eck List
Client Name: Animas Environmental	Work Order Number:	1304323		RcptNo:	1
Received by/date:	24/09/13				
Logged By: Michelle Garcia	4/9/2013 10:05:00 AM		Muril Con	un	
Completed By: Michelle Garcia	4/9/2013 10:50:19 AM		Mitriels Con Mitriels Con	uni	Î
Reviewed By: <u>TO</u>	04/09/2013				
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?		<u>Courier</u>			
<u>Log In</u>					
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 🗆		
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) proper	ly 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 broke	en?	Yes 🗌	No 🗹	# of preserved	· <u> </u>
12. Does paperwork match bottle labels?		Yes 🗹	No 🗌	bottles checked for pH:	r >12 unless noted)
(Note discrepancies on chain of custody) 13. Are matrices correctly identified on Chain of	Custody?	Yes 🗹	No 🗆	Adjusted?	>12 unless noted)
14, Is It clear what analyses were requested?	Custody !	Yes 🗹			<u> </u>
15. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗆	Checked by:	
Special Handling (if applicable)		¥ 🗖	N: 🗖	NA 🗹	
16. Was client notified of all discrepancies with		Yes 🗌			1
Person Notified:	Date:	- 1945 - 1977 - 1987 - 1988 - 1988 - 1988			
By Whom:	Via:	eMail	Phone 🔄 Fax	In Person	
Regarding: Client Instructions:	anna a bha anna a' da dhaga tara a saocar ta sa a a dh'an shiftinga. Anna a saocar a saoc	n analasi ang sang sang sang sang sang sang sang	an a	د میکنان در میکند و این سیم کارشند کارشی میکند. میکند میکند 	
17. Additional remarks:	n en an an Al MTARY MARY ANN IN A SAN AN A	2 (e. 2008), Martin Barrada, 1970 - Hanna Ar		narien anter elle le verte a constr	
18. <u>Cooler Information</u> <u>Cooler No Temp °C Condition Si</u> 1 3.7 Good Yes	eal Intact Seal No	Seal Date	Signed By		
	<u> </u>		,·,	•	

С	hain-	of-Cu	stody Record	Turn-Around	•									c	NIN/	ít e	20				•	
Client:	Anim	15 Eani	ENNEVER, Services	Standard	🗆 Rush																	
	<u> </u>			Project Name				} ∎					v.hal									•
Mailing	Address	624 1	E. Comanche	LATERA	L 20-	-6			490	D1 H								M 87	'109			
Far	mm	ten.	NM 87404	Project #:				})5-34					-		-4103				
Phone #	#: N	5-56	NM 87404 4-2231	1						i i i i i i i i i i i i i i i i i i i	_			naly	sis	Req	ues	ť				
email or				Project Mana	ger:				() VIU	Ô					04)					T	\top	
QA/QC F	_		Level 4 (Full Validation)	Tami	Ross			s (802 ⁻	Gas o	IW / O			SIMS)		PO4,S	PCB's						
Accredi				Sampler:	\ /			Î	H	RO /	≘	(70 S		10 ₂ ,1	082						
	AP	□ Othe	r	Onlice:				Ĭ	ې +	8 D	18	504	r 82		03, N	s / 8		রি				Р И И
	(Type)		<u></u>	Sample lem	leaure	2			E	9	g	; po	0	etal	N,N	cide	F	Ň				Z
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	CHEALI CHEALI		BTEX FOR 1 10 10 10 10 10 10 10 10 10 10 10 10 1	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)				Air Bubbles (Y or N)
8.2013	1221	Soil	510-3'BG	402 Jones	c001	-0	01		r											1	+	
					·																+-	+-
			······································	†			·	†		-									+	-+		+-
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Date: 4/8/12	Time:	Relingersh	edby:	Received by: Muste	= (Naol	Date 1 4/8/13	ime 17 <i>1</i> 5	Rer	nark:	s:	L]	L	L9	<u> </u>	I	L	I	L				
Date:	Time:	Relinquish	istu Waeler	Received by:	- 124/09	Date 1 7/13 100	ime					-										

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.

State of New Mexico Energy Minerals and Natural Resources

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

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

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	Sama r	e, NW 87303								
Release Notification and Corrective Action										
	OPE	RATOR		Initial Report	🛛 Final Report					
Name of Company Enterprise Field Services, L	LC	Contact Aaron Dai	ley							
Address 614 Reilly Avenue, Farmington NM 87	7401	Telephone No. (505	5)599-2286							
Facility Name Bolin A #1 Meter Run Location		Facility Type Natu	ral Gas Me	ter Run Location	·····					
Surface Owner BLM	Mineral Owner	BLM		API No						

LOCATION OF RELEASE

Unit Letter M	Section 34	Township 29N	Range 8W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
101	J4	2911	0 **					San Juan

Latitude_N36.6778__Longitude_W107.6692 (Decimal Degrees)

NATURE OF RELEASE

Type of Release Natural gas vapor and liquid	Volume of Release 235 MCF	Volume Recovered 3 yards of stained
	estimated gas loss; 2 barrels	soil removed from location
	condensate/water mix	
Source of Release Natural gas well location meter run	Date and Hour of Occurrence	Date and Hour of Discovery
	12.11.2012 @ 04:00 hours	12.11.2012 @ 14:30 hours
	(estimated)	
Was Immediate Notice Given?	If YES, To Whom?	
🗌 Yes 🔲 No 🛛 Not Required		
By Whom?	Date and Hour	
Was a Watercourse Reached?	If YES, Volume Impacting the Wate	ercourse.
🗌 Yes 🖾 No		RCVD JUN 24'13
If a Watercourse was Impacted, Describe Fully.*		OIL CONS. DIV.
in a watereourse was impacted, Deserver runy.		
Describe Cause of Problem and Remedial Action Taken.*	·····	DIST. 3
Enterprise measurement department was notified by foreign operator of g	as leak and stained soil at the Bolin A #	#1 MC #70231 Measurement dept
notified area Tech to respond. Upon arrival, Enterprise Tech shut in meter	tube and applied lock out tag out (LO	TO). He discovered that the Orifice flange
had frozen and was leaking. Employee replaced gaskets and placed meter		
Describe Area Affected and Cleanup Action Taken.*		
Affected area of stained soil was estimated at approximately 10feet X 30f	eet X 1-12 inches deep. Cleanup using	dig and haul techniques occurred on
12/13/2012. Third party environmental contractor was on site to provide		
NM OCD request, additional confirmation sampling of the affected area v		
confirm that the area has been remediated to OCD standards. Verbal appr		
Third party corrective action report and associated sample results are attac		.
I hereby certify that the information given above is true and complete to the		
regulations all operators are required to report and/or file certain release n		
public health or the environment. The acceptance of a C-141 report by the		
should their operations have failed to adequately investigate and remediat		
or the environment. In addition, NMOCD acceptance of a C-141 report d	oes not relieve the operator of responsi	bility for compliance with any other
federal, state, or local laws and/or regulations.		
	<u>OIL CONSERV</u>	ATION DIVISION
Signature:		
		1 SAT / AND
Printed Name: Matt Marra	Approved by Environmental Specialist	Wonall V- rely
	8/1/12	
Title: Senior Director, Environmental	Approval Date: 0/26/2015 I	Expiration Date:
E-mail Address: memarra@eprod.com	Conditions of Approval:	Attached
Date: $6 - 18 - 2013$ Phone: (713)381-6684		
Date: $\varphi \sim /\delta - (U/2)$ Phone: (713)381-6684 Attach Additional Sheets If Necessary		
AHACH ADDITIONAL SPEELS IT INCCESSARY		

NJK 1323839307



606 S. Rio Grande Avenue, Suite A Aztec, New Mexico 87410 Ph: (505) 334-5200 Fax: (505) 334-5204

May 28, 2013

Enterprise Products Operating, LLC 614 Reilly Avenue Farmington, NM 87401 Attn: Mr. Aaron Dailey

Supplemental Environmental Site Investigation Re: Bolin A #1 Release (Meter Tube) SW ¼ SW ¼, Sec 34, Township 29 North, Range 8 West Rural San Juan County, NM SWG Project No. 0413G003

RCVD JUN 24'13 OIL CONS. DIV. DIST. 3

Dear Mr. Dailey:

Southwest Geoscience (SWG) appreciates the opportunity to submit this Supplemental Environmental Site Investigation (SESI) letter report describing sampling and assessment activities at the Enterprise Products Operating, LLC (Enterprise) Bolin A #1 release site, referred to hereinafter as the "Site" or "subject Site". The Site is located in the SW ¼ of the SW ¼ of Section 34, Township 29 North, Range 8 West in rural San Juan County, New Mexico.

A topographic map is included as Figure 1, an aerial photograph of the Site vicinity is included as Figure 2, and a Site Map is included as Figure 3 of Attachment A.

Response Activities

On December 13, 2012, Enterprise responded to an estimated 100 gallon release of natural gas condensate at the Bolin A#1 site. The initial response activities are described in the Release Report Bolin A #1 - Souder, Miller & Associates, dated January 3, 2013, and are summarized below:

• A frozen meter tube rupture resulting in a surface release of natural gas condensate with a surface expression of approximately 35 feet by 20 feet within the driving/parking area of the Site pad. Approximately three (3) cubic yards of hydrocarbon affected soils were excavated from the area utilizing hand tools. The extents of excavation were limited vertically by refusal of hand tools, presumably due to frozen ground conditions, and the total depth of excavation averaged between four (4) and ten (10) inches below grade. The removed soil was transported to the JFJ landfarm on Crouch Mesa in San Juan County, NM for treatment/disposal. Two (2) composite samples were collected from the resulting excavation and submitted for laboratory analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) utilizing SW-846 Method 8021, and total petroleum hydrocarbon (TPH) gasoline range organics (GRO)/ diesel range organics (DRO) utilizing SW-846 Method 8015. The excavation was backfilled to grade to return the site to full operational condition. The subsequent laboratory results indicated benzene, BTEX and TPH concentrations in remaining soils exceed the New Mexico Energy, Minerals, and Natural Resources Department (EMNRD), Oil Conservation Division's (OCD) Remediation Action Levels (RALs). The results of the soil sample analyses from the initial response activities are summarized in Table 1 included in Attachment B.



5

Supplemental Environmental Site Investigation Activities

On April 19th, 2013, Enterprise returned to the Site with OCD representative Jonathan Kelly to evaluate subsurface soil conditions. A hand auger was utilized to obtain one (1) composite sample (CS-1), and three (3) depth-discrete samples (G-2@10", G-2@14", and G-2@20") from the former release footprint. Each of the samples was collected from native, undisturbed soils. Figure 3 depicts the approximate location of the confirmation soil samples in relation to pertinent structures and land features. The relative locations of the composite samples collected during the initial response activities are also presented on Figure 3.

The SESI soil samples were placed in laboratory prepared glassware, sealed with custody tape/labels and placed on ice in a cooler, which was secured with a custody seal. The sample coolers and completed chain-of-custody forms were relinquished to Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico for standard turnaround. The executed chain-of-custody form and laboratory data sheets are provided in Appendix C

Hall performed the analyses of samples under an adequate and documented quality assurance program to meet the project and data quality objectives. The laboratory's quality assurance program is generally consistent with the quality standards outlined in the National Environmental Laboratory Accreditation Program, as amended. In addition, the data generated by Hall meets the intralaboratory performance standards for the selected analytical method and the performance standards are sufficient to meet the bias, precision, sensitivity, representativeness, comparability, and completeness, as specified in the project data quality objectives.

SWG concurs with the Site's previous ranking of "0" on the NMOCD site ranking system. Although a natural drainage and a man-made erosion control pond are present in the vicinity of the Site, these features have only been observed to convey water during heavy precipitation events.

SWG compared the TPH GRO/DRO and BTEX concentrations or laboratory reporting limits (RLs) associated with the soil samples collected from the SESI hand-auger borings to the OCD *Remediation Action Levels* for Sites having a total ranking score of "0". The results of the soil sample analyses are summarized in Table 1 included in Attachment B.

Total Petroleum Hydrocarbons

SESI soil samples C-1, G-2@14", and G-2@20" did not exhibit TPH GRO/DRO concentrations above the laboratory RLs, which are below the OCD's *Remediation Action Level* of 5,000 mg/Kg.

SESI soil sample G-2@10" exhibited TPH GRO/DRO concentrations of 110 mg/Kg and 78 mg/Kg, respectively, which are below the OCD's *Remediation Action Level* of 5,000 mg/Kg.

Benzene and Total BTEX

SESI soil sample C-1 did not exhibit benzene, toluene, ethylbenzene, total xylenes, or total BTEX concentrations above the laboratory RLs, which are below the OCD's *Remediation Action Levels*.

Enterprise • Bolin A #1 Release SWG Project No. 0413G003 May 28, 2013



SESI soil samples G-2@10", G-2@14", and G-2@20" exhibited BTEX constituent and total BTEX concentrations above the laboratory RLs, but below the OCD's *Remediation Action Levels*. <u>Conclusions / Recommendations</u>

Based on the data obtained during the SESI, it appears that the downward migration of condensate at the Site was limited by the frozen ground. It also appears that a majority of the affected material was effectively removed during the initial response activities at the site.

SWG has the following recommendations:

- Report the results of this investigation to the New Mexico OCD;
- Request that no further action be required in relation to this release at this time.

If you should have any questions or comments regarding this letter report, please contact the undersigned at (505) 334-5200.

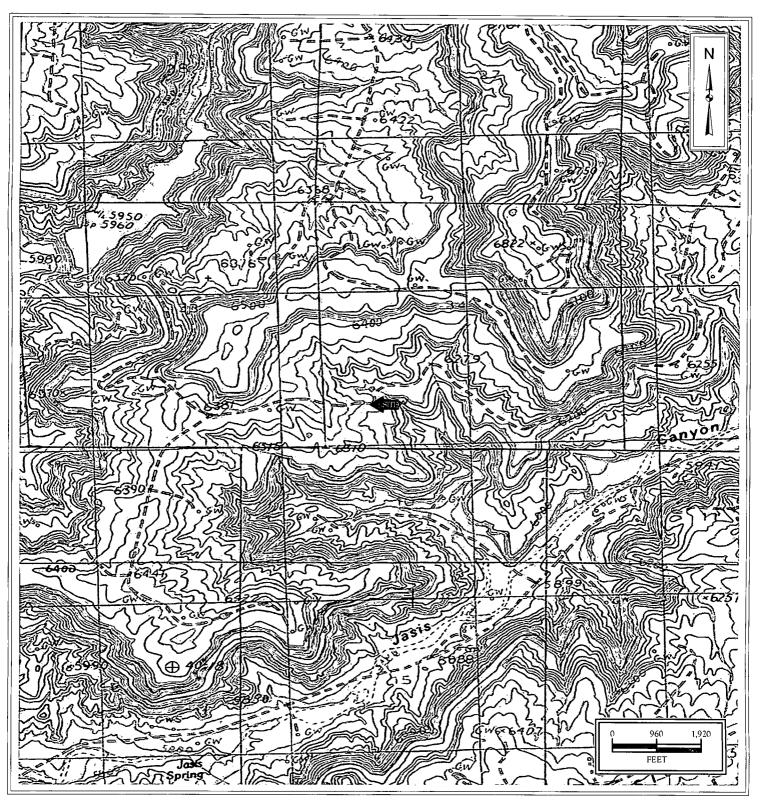
Sincerely, Southwest Geoscience

Ugan

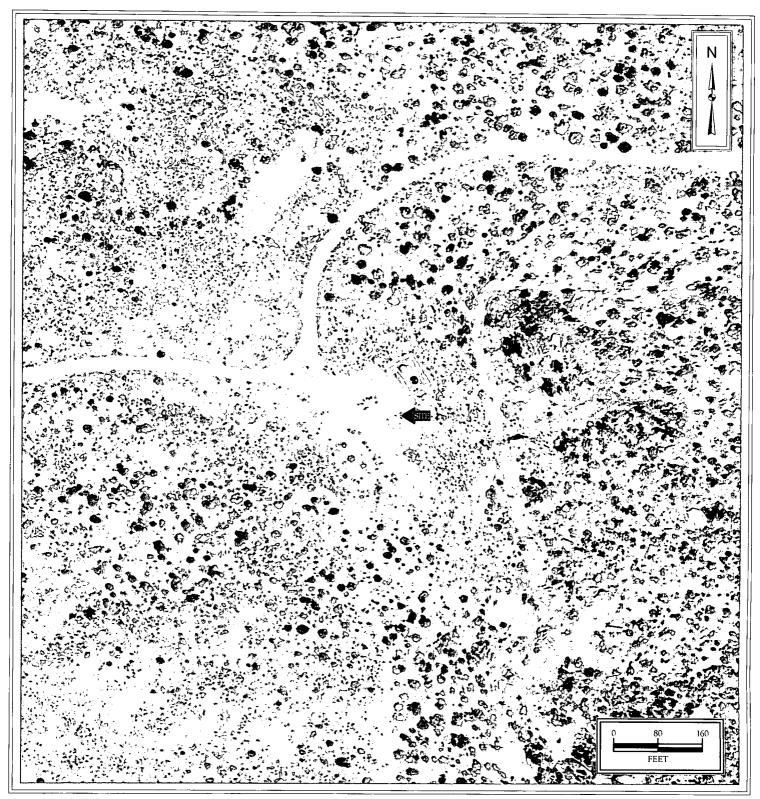
Kyle Summers C.P.G. Manager, Four Corners

J.Chi

B. Chris Mitchell, P.G. Principal Geoscientist



Bolin A #1 N36° 40' 40.368"; W107° 40' 9.48" Rural San Juan County, NM SWG Project No. 0413G003	Southwest	Figure 1 Topographic Map Cutter Canyon New Mexico Quadrangle Contour Interval = 20 Feet 1985
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Bolin A #1 N36° 40' 40.368"; W107° 40' 9.48" Rural San Juan County, NM	Southwest	Figure 2 Site Vicinity Map
SWG Project No. 0413G003		

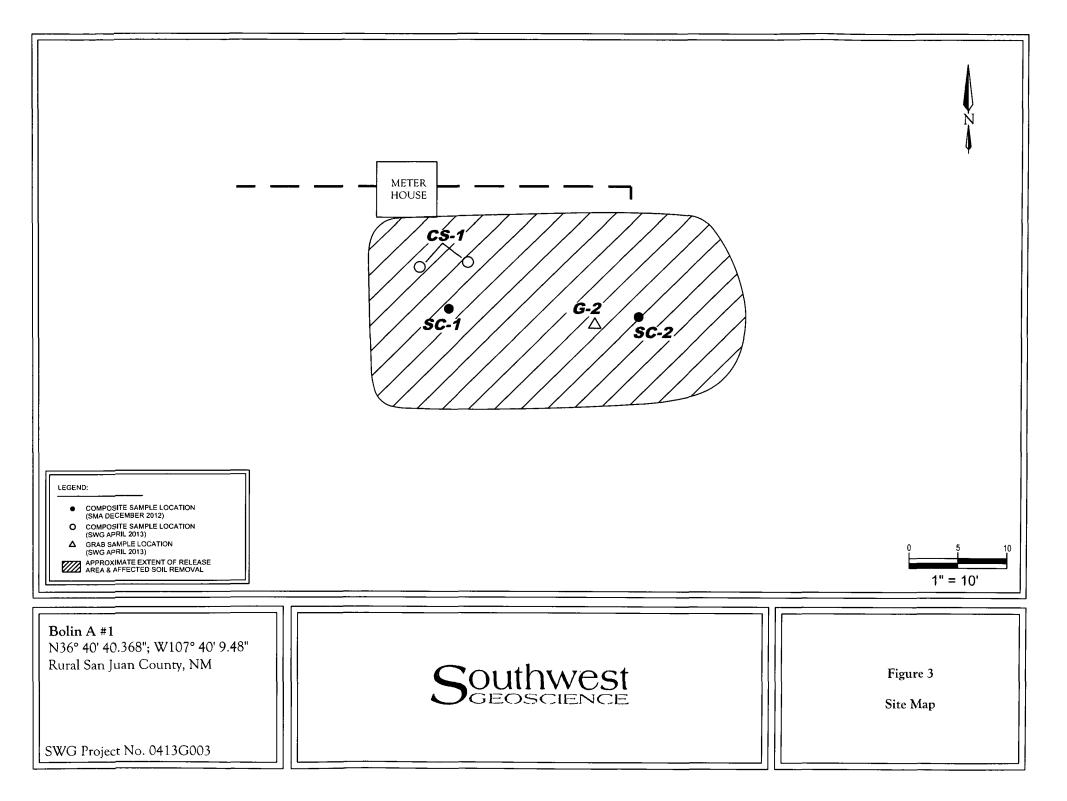




TABLE 1 Bolin A #1 SOIL ANALYTICAL SUMMARY

Sample I.D.	Date	Sample Type	Sample Depth	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	TPH	ТРН
		C- Composite G - Grab	(inches)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO	DRO
	<u> </u>	0 0.00							(mg/kg)	(mg/kg)
		al & Natural Resou ion, Remediation	irces Department, Action Level	10	NE	NE	NE	50	5,0	000
				Soil Samples C	ollected During F	Response Actions				
SC-1	12.13.12	С	6	67	820	100	1,100	2,087.0	17,000	550
SC-2	12.13.12	С	6	8.8	110	15	180	313.8	3,000	1.800
				Soil Samples Co	ollected by SWG	During April 2013				
C-1	04.19.13	С	12	<0.048	<0.048	<0.048	< 0.095	<0.239	<4.8	<9.9
G-2	04.19.13	G	10	<0.048	0.48	0.34	4.3	5.12	110	78
G-2	04.19.13	G	14	<0.049	<0.049	<0.049	0.13	0.13	<4.9	<10
G-2	04.19.13	G	20	<0.047	< 0.047	<0.047	0.13	0.13	<4.7	<9.9

Note: Concentrations in **bold** and yellow exceed the applicable OCD Remediation Action Level

NE = Not Established

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

May 02, 2013

Kyle Summers Southwest Geoscience 606 S. Rio Grande Unit A Aztec, NM 87410 TEL: (903) 821-5603 FAX (214) 350-2914

RE: Bolin A #1

OrderNo.: 1304838

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 4 sample(s) on 4/20/2013 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. 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. 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.

Sincerely,

andig

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Surr: 4-Bromofluorobenzene

Date Reported: 5/2/2013

CLIENT: Southwest Geoscience			Client Sample	ID: C1 (12	.")
Project: Bolin A #1			Collection D	ate: 4/19/2	013 9:45:00 AM
Lab ID: 1304838-001	Matrix: S	SOIL	Received D	ate: 4/20/20	013 10:15:00 AM
Analyses	Result	RL Qua	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst: GSA
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	4/24/2013 6:43:18 AM
Surr: DNOP	106	63-147	%REC	1	4/24/2013 6:43:18 AM
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/27/2013 12:27:34 AM
Surr: BFB	92.0	80-120	%REC	1	4/27/2013 12:27:34 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.048	mg/Kg	1	4/27/2013 12:27:34 AM
Toluene	ND	0.048	mg/Kg	1	4/27/2013 12:27:34 AM
Ethylbenzene	ND	0.048	mg/Kg	1	4/27/2013 12:27:34 AM
Xylenes, Total	ND	0.095	mg/Kg	1	4/27/2013 12:27:34 AM

80-120

%REC

104

Qualifiers:

Value exceeds Maximum Contaminant Level. *

Е Value above quantitation range

- Analyte detected below quantitation limits J
- Р Sample pH greater than 2
- Reporting Detection Limit RL

Analyte detected in the associated Method Blank В

1

4/27/2013 12:27:34 AM

- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits S

Date Reported: 5/2/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Southwest Geoscience Client Sample ID: G2 (10") Bolin A #1 **Project:** Collection Date: 4/19/2013 9:55:00 AM Lab ID: 1304838-002 Matrix: SOIL Received Date: 4/20/2013 10:15:00 AM Result Analyses **RL** Qual Units DF **Date Analyzed** EPA METHOD 8015D: DIESEL RANGE ORGANICS Analyst: GSA

						,
Diesel Range Organics (DRO)	78	. 10		mg/Kg	1	4/24/2013 7:48:01 AM
Surr: DNOP	101	63-147		%REC	1	4/24/2013 7:48:01 AM
EPA METHOD 8015D: GASOLINE RAN	GE					Analyst: NSB
Gasoline Range Organics (GRO)	110	4.8		mg/Kg	1	4/27/2013 12:56:09 AM
Surr: BFB	516	80-120	S	%REC	1	4/27/2013 12:56:09 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	4/27/2013 12:56:09 AM
Toluene	0.48	0.048		mg/Kg	1	4/27/2013 12:56:09 AM
Ethylbenzene	0.34	0.048		mg/Kg	1	4/27/2013 12:56:09 AM
Xylenes, Total	4.3	0.095		mg/Kg	1	4/27/2013 12:56:09 AM
Surr: 4-Bromofluorobenzene	133	80-120	S	%REC	1	4/27/2013 12:56:09 AM
Surr: BFB EPA METHOD 8021B: VOLATILES Benzene Toluene Ethylbenzene Xylenes, Total	516 ND 0.48 0.34 4.3	80-120 0.048 0.048 0.048 0.095		%REC mg/Kg mg/Kg mg/Kg mg/Kg	1	4/27/2013 12:56:09 AM Analyst: NSE 4/27/2013 12:56:09 AM 4/27/2013 12:56:09 AM 4/27/2013 12:56:09 AM 4/27/2013 12:56:09 AM

Oualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH greater than 2
- Reporting Detection Limit RL

- Analyte detected in the associated Method Blank В
- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit ND
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits S

Date Reported: 5/2/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Southwest Geoscience Client Sample ID: G2 (14") Bolin A #1 **Project:** Collection Date: 4/19/2013 9:50:00 AM Lab ID: 1304838-003 Matrix: SOIL Received Date: 4/20/2013 10:15:00 AM Analyses Result **RL** Qual Units DF **Date Analyzed EPA METHOD 8015D: DIESEL RANGE ORGANICS** Analyst: GSA **Diesel Range Organics (DRO)** ND 10 4/24/2013 8:09:41 AM mg/Kg 1 Surr: DNOP 103 63-147 %REC 1 4/24/2013 8:09:41 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 1 4/27/2013 1:53:15 AM 4.9 mg/Kg Surr: BFB 104 80-120 %REC 4/27/2013 1:53:15 AM 1

EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.049	mg/Kg	1	4/27/2013 1:53:15 AM
Toluene	ND	0.049	mg/Kg	1	4/27/2013 1:53:15 AM
Ethylbenzene	ND	0.049	mg/Kg	1	4/27/2013 1:53:15 AM
Xylenes, Total	0.13	0.098	mg/Kg	1	4/27/2013 1:53:15 AM
Surr: 4-Bromofluorobenzene	106	80-120	%REC	1	4/27/2013 1:53:15 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level.

Value above quantitation range Е

- Analyte detected below quantitation limits J
- р Sample pH greater than 2
- RL Reporting Detection Limit

- Analyte detected in the associated Method Blank В
- н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits S

Date Reported: 5/2/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Southwest Geoscience Client Sample ID: G2 (20") Project: Bolin A #1 Collection Date: 4/19/2013 10:00:00 AM Lab ID: 1304838-004 Matrix: SOIL Received Date: 4/20/2013 10:15:00 AM

Qua	lifiers:	
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- * Value exceeds Maximum Contaminant Level.
- Value above quantitation range Е
- Analyte detected below quantitation limits J
- Sample pH greater than 2 Р
- Reporting Detection Limit RL

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits S

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Analyst: GSA
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	4/24/2013 8:31:18 AM
Surr: DNOP	103	63-147	%REC	1	4/24/2013 8:31:18 AM
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	4/27/2013 2:21:50 AM
Surr: BFB	104	80-120	%REC	1	4/27/2013 2:21:50 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.047	mg/Kg	1	4/27/2013 2:21:50 AM
Toluene	ND	0.047	mg/Kg	1	4/27/2013 2:21:50 AM
Ethylbenzene	ND	0.047	mg/Kg	1	4/27/2013 2:21:50 AM
Xylenes, Total	0.13	0.094	mg/Kg	1	4/27/2013 2:21:50 AM
Surr: 4-Bromofluorobenzene	105	80-120	%REC	1	4/27/2013 2:21:50 AM

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1304838

02-May-13

Client: Project:	Southwes Bolin A #	t Geoscience 1					_				
Sample ID	1304838-001AMS	SampTyp	e: MS	s	Tes	tCode: E	PA Method	8015D: Dies	el Range (Drganics	······
Client ID:	C1 (12")	Batch ID): 70	90	F	RunNo: 1	0063				
Prep Date:	4/22/2013	Analysis Date	e: 4/	/24/2013	S	SeqNo: 2	86670	Units: mg/k	(g		
Analyte		Result F	QL_	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	53	10	50.20	7.296	91.6	12.6	148			
Surr: DNOP		5.6		5.020		111	63	147			
Sample ID	1304838-001AMSE) SampTyp	e: MS	SD	Tes	tCode: E	PA Method	8015D: Dies	el Range C	Drganics	
Client ID:	C1 (12")	Batch IE): 70	90	F	RunNo: 1	0063				
Prep Date:	4/22/2013	Analysis Date	e: 4	/24/2013	S	GeqNo: 2	86671	Units: mg/M	(g		
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	51	10	49.85	7.296	88.4	12.6	148	3.71	22.5	
Surr: DNOP		5.4		4.985		109	63	147	0	0	
Sample ID	MB-7090	SampTyp	e: MI	BLK	Tes	tCode: E	PA Method	8015D: Dies	el Range (Drganics	
Client ID:	PBS	Batch IE): 70	90	F	RunNo: 1	0063				
Prep Date:	4/22/2013	Analysis Date	e: 4	/23/2013	5	SeqNo: 2	86672	Units: mg/H	(g		
Analyte		Result I	PQL_	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	ND	10								
Surr: DNOP		10		10.00		103	63	147			
Sample ID	LCS-7090	SampTyp	e: LC	cs	Tes	tCode: E	PA Method	8015D: Dies	el Range (Drganics	
Client ID:	LCSS	Batch I): 70	90	F	RunNo: 1	0063				
Prep Date:	4/22/2013	Analysis Date	e: 4	/23/2013	5	SeqNo: 2	286673	Units: mg/H	(g		
Analyte		Result I	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	56	10	50.00	0	113	47.4	122			
Surr: DNOP		5.8		5.000		117	63	147			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Page 5 of 7

QC SUMMARY REPORT

WO#: 1304838

02-May-13

Hall Environmental Analysis	Laboratory, Inc.
-----------------------------	------------------

Client: Southwee Project: Bolin A	est Geoscier .#1	ice								
Sample ID MB-7094 Client ID: PBS	•	ype: ME			tCode: El		8015D: Gaso	oline Rang	e	
Prep Date: 4/22/2013	Analysis D	ate: 4/	26/2013	S	SeqNo: 2	89209	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 890	5.0	1000		89.3	80	120			
Sample ID LCS-7094	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID: LCSS	Batch	n ID: 70	94	F	RunNo: 1	0142				
Prep Date: 4/22/2013	Analysis D	ate: 4/	26/2013	S	eqNo: 2	89211	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	27 1100	5.0	25.00 1000	0	108 113	62.6 80	136 120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1304838

02-May-13

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	nwest Geoscie n A #1	nce					_			
Sample ID MB-7094	Samp ⁻	Туре: МЕ		Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 70	94	F	RunNo: 1	0142				
Prep Date: 4/22/2013	Analysis [Date: 4/	26/2013	S	SeqNo: 2	89250	Units: mg/M	٢g		
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								
Kylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			_
Sample ID LCS-7094	Samp	Type: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 70	94	F	RunNo: 1	0142				
Prep Date: 4/22/2013	Analysis [Date: 4/	26/2013	S	SeqNo: 2	89251	Units: mg/#	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	106	80	120			
Toluene	1.0	0.050	1.000	0	104	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
(ylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Page 7 of 7

	HALL
1.0	ENVIRONMENTAL
	ANALYSIS
1. C.	LABORATORY

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105 TEL: 505-345-3975 FAX: 505-345-410; Website: www.hallenvironmental.con

Sample Log-In Check List

Client Name: Southwest Geoscience	Work Order Numbe	er: 1304838		RcptNo:	1
Received by/date:	0420/13				
Logged By: Michelle Garcia	/ <i>l</i> 4/20/2013 10:15:00 A	M	Minute Con	uni	
Completed By: Michelle Garcia	4/22/2013 9:46:54 A		Mirsel Gas Mursel Gas		
Reviewed By:	04/22/2013		1 7	~~~	
Chain of Custody	0426/201)				
1. Custody seals intact on sample bottles?		Yes 🗌	No 🗖	Not Present 🗹	
2. Is Chain of Custody complete?	ς.	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 🗌	NA 🗌	
5. Were all samples received at a temperat	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 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	oken?	Yes 🗌	No 🗹	# of preserved bottles checked	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗌	for pH:	r >12 unless 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:	
Special Handling (if applicable)					
16.Was client notified of all discrepancies w	ith this order?	Yes	No 🗌	NA 🗹	
Person Notified:	Date:				
By Whom:	Via:	eMail 🔲	Phone 🗌 Fax	In Person	
Regarding: Client Instructions:	art a bar ya anta a sa antan ka kata antar kara antar kara antar antar antar antar antar antar antar antar anta	an de 1966 de 2017 (1974 1975) an de la compañía d	Names Af Print of Lands and		
17. Additional remarks:	a a constant a constant de la desta de la forma de la forma de la desta de la desta de la desta de la desta de La desta de la d	antina asandina da Marana at 1761954			_]

18. Cooler Information

Cooler No	Temp ^e C	Condition	Seal Intact	Seal No.	Seal Date	Signed By.	<u> </u>
1	1.4	Good	Yes				

	e only
	ate:
GEOSCIENCE Address: <u>ABR</u>	of coolers aceived (C°): 1,4
Office Location Aztec Contact: Andy Freeman D	3 4 5
Project Manager_ <u>Summers</u> Phone: PO/SO #: <u>04136003</u>	of
Sampler's Name Summers Miller's Signature	
Project Name 04136003 Project Name Bolin A #1 Mg out Out Containers	
Matrix Date Time C G I Identifying Marks of Sample(s) T E E E C VOA A/G 250 P/O C C C Lab Sample iD	(Lab Use Only)
S 4/19/13 0945 X C1 (12") 10" 12" 1 X X 1304838-	.001
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	002
1 11 12 1200 X 67 (00" 10" 70"	<u> </u>
	004
Alve	
Turn around time A Normal 25% Rush 350% Rush 100% Rush	
Relinguished by (Signature) . Date: Time: Beceived by: (Signature) Date: Time: NOTES: Verified Project Name	with 1
Relinquished by (Signature) Date: Time: Received by: (Signature) Date: Time: Musture Versen 19/13 1747	Ng
Relinquished by (Signature) Date: Time: Received by: (Signature) Date: Time:	
Relinquished by (Signature) Date: Time: Repeived by: (Signature) Date: Time:	
Matrix WW - Wastewater W - Water S - Soil SD - Solid L - Liquid A - Air Bag C - Charcoal tube SL - sludge O - Oil Container VOA - 40 ml viai A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other	

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SOUTHWEST GEOSCIENCE • 2351 W. Northwest Hwy., Suite 3321 • Dallas, Texas 75220 • Office: 214-350-5469 • Fax 214-350-2914

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 in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action												
OPERATOR Initial Report Final Re												Final Report
Name of Co	mpany En	terprise Fiel	d Service	S		Contact: Aaron Dailey						
Address 6	14 Reilly A	ve., Farmin	gton, NM	87401		Telephone I	No. 505-599-22	86				
Facility Nar	ne Latera	6B-10 Con	densate T	ank		Facility Type: Natural gas gathering line drip tank						
Surface Owner: BLM Mineral Owner BLM API No.												
LOCATION OF RELEASE												
Unit Letter	Section	Township	Range	Feet from the	North/	orth/South Line Feet from the East/West Line County						
G	24	28N	12W			San Juan						
Latitude N 36.65077 Longitude W 108.06145												
NATURE OF RELEASE												
Type of Rele	ase: Natur	al Gas Conde	nsate, Proo	luced Water		Volume of Release Unknown-no free product but contaminatedVolume Recovered: Haul Scheduled)TBD (Dig a				(Dig and		

	free product but contaminated soils present to 12 feet	Haul Scheduled)									
Source of Release: Pipeline Condensate Drip Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery On 5/3/2013 @ 14:00 hours, the hole was discovered in bottom of tank; Third party environmental contractor conducted assessment 5/8/2012									
Was Immediate Notice Given?	If YES, To Whom?										
By Whom? Aaron Dailey	Date and Hour										
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	itercourse.									
🗌 Yes 🛛 No		RCVD JUN 14'13									
If a Watercourse was Impacted, Describe Fully.*		OIL CONS. DIV. DIST. 3									
the base of the tank near the man way access. Believing that the tank was the liquid in preparation to replace the gasket. After having the tank pulle service at that time.	Describe Cause of Problem and Remedial Action Taken.* During a routine drip tank visual inspection an Enterprise technician noticed a small oil stain at the base of the tank near the man way access. Believing that the tank was leaking around the gasket of the man way, he had the tank pulled to remove all of the liquid in preparation to replace the gasket. After having the tank pulled they noticed the bottom of the tank had a hole in it. Tank was rendered out of service at that time.										
Describe Area Affected and Cleanup Action Taken.* Confirmation sar 12 feet in coarse sand beneath the tank footprint. Dig and haul excavatio "final" C-141 report will be submitted once these actions are completed.											
I hereby certify that the information given above is true and complete to regulations all operators are required to report and/or file certain release r public health or the environment. The acceptance of a C-141 report by th should their operations have failed to adequately investigate and remedia or the environment. In addition, NMOCD acceptance of a C-141 report of federal, state, or local laws and/or regulations.	notifications and perform corrective ac ne NMOCD marked as "Final Report" te contamination that pose a threat to	ctions for releases which may endanger does not relieve the operator of liability ground water, surface water, human health									
Signature:	<u>OIL CONSER</u>	VATION DIVISION									
Printed Name: Matt Marra	Approved by Environmental Special	ist: Jonath D. Kelly									
Title: Sr. Director, Environmental	Approval Date: 7/9/2013	Expiration Date:									
E-mail Address: memarra@eprod.com	Conditions of Approval: Notify	Aztec Attached									

Date: 1-11-2013 P. * Attach Additional Sheets If Necessary

Phone: 713-381-6684

OCD office 24 his prior to excapation NJK1319038604



ENTERPRISE PRODUCTS PARTNERS L.P. ENTERPRISE PRODUCTS HOLDINGS LLC (General Partner)

June 11, 2013

7012 3460 0001 7235 8353 Return Receipt Requested

EMNRD Oil Conservation Division Aztec District III Office Attn: Brandon Powell / Jonathan Kelly 1000 Rio Brazos Road Aztec, NM 87410

RCVD JUN 14'13 OIL CONS. DIV. DIST. 3

RE: Lateral 6B-10 Condensate Tank Release Notification (Resubmittal)

Dear Powell:

Attached is the Release Notification and Corrective Action Report as prepared by our field representative, Aaron Dailey. Should you need to reach Mr. Dailey, his phone number is 505-599-2286.

Yours truly,

Hurry Man

Shiver J. Nolan Senior Compliance Administrator

/sjn

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and the second second

State of New Mexico Energy Minerals and Natural Resources

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

Santa Fe, NM 87505													
Release Notification and Corrective Action													
						OPERA	ΓOR	🛛 Initial Report 🗌 Final Re					
<u> </u>		nterprise Fiel					ontact: Aaron Dailey						
		Ave., Farmin	-	1 87401		Telephone No. 505-599-2286							
Facility Nar	ne Trunk	2B Gatherin	g Line			Facility Type: Natural gas gathering line							
Surface Ow	ner: Nava	jo		Mineral O	wner	BLM	·		API No	····· ·			
				LOCA	TIO	N OF RE	FASE						
Unit Letter	Section	Township	Range	Feet from the		/South Line	Feet from the	Vest Line	County				
	_												
D	7	27N	11W		· · ·					San Juan			
		La	titude_N	36.594763 <u>L</u>	ongitu	de_W 108.0	53748 (Decima	l Degre	es)				
				NAT	URE	OF REL	EASE						
Type of Rele	ase: Natur	ral Gas Pipelin	e Release				Release Unknow	<i>w</i> n	Volume F	Recovered:	TBD	(Dig and	
			-						Haul Sch				
Source of Re	lease: Corre	osion hole				Date and F Unknown	lour of Occurrent	ce:		Hour of Dis @ 10:00 h			
Was Immedia	ate Notice (Given?				If YES, To	Whom?		0.20.2013				
			Yes 🗌] No 🛛 Not Re	quired								
By Whom?						Date and Hour							
Was a Water	course Rea		Yes 🗵	l No		If YES, Volume Impacting the Watercourse. RCVD JUN 10 '13						13	
10 111									, and a second se	JIL LUND	7. IPR.	<u> </u>	
If a Watercou	urse was Im	pacted, Descr	ibe Fully.	r						DIST	. 1		
				n Taken.* During									
the pipe leak		i way. Enterp	iise operai	ions isolated the p	npenne	e and removed	it from service.	A one-c	an was sub	maeu anu	repairs	were made to	
Describe Are	a Affected			ken.* A third par									
				t approximately 19 map specific to th									
				licable agencies of						лят тероп	. anu a i	intu party	
				e is true and comp									
				nd/or file certain ro ce of a C-141 repo									
should their o	operations l	have failed to	adequately	investigate and re	emedia	te contaminat	ion that pose a thi	reat to gi	round wate	r, surface w	ater, hu	man health	
		addition, NMC ws and/or regi		otance of a C-141	report o	does not reliev	e the operator of	respons	ibility for c	ompliance	with any	y other	
lederal, state	, or local la	ws anu/or regi				· ·	OIL CON	SERV	ATION	DIVISI	ON		
		An					<u>on con</u>	<u>o Drev</u>		1	<u>, 10</u>		
Signature:		100	/				D			H_{\sim}	Vall		
Printed Name	e: Matt M	arra			Approved by Environmental Specialist: Jonath D. Kolly								
Title: Sr. Di	rector, Env	ironmental				Approval Da	te: 7/9/20	X3	Expiration	Date:		U	
E-mail Addro	ess: mema	urra@eprod.co	m			Conditions of Approval:			a 🗖				
	,						Attached						
Date:	<u>- 3- :</u> tional She	ets If Necess		713-381-6684					0			<u></u>	
Anach Audi	nonal Sile	.013 11 1400033	July				NJK	13K	-0516	-89-			
	Attach Additional Sheets If Necessary 505												

Table 1: Summary of Field Screening Results Enterprise Products

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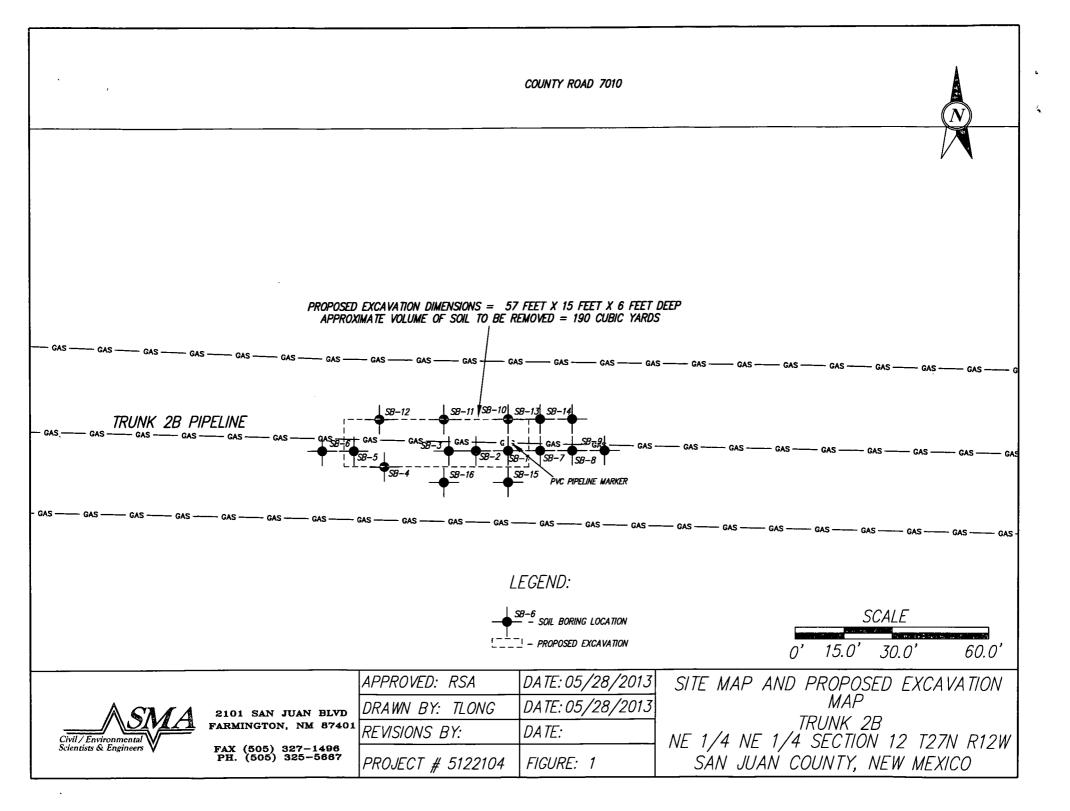
۰.

Date	Time	Field Screening Reference	Sample Depth (Feet BGS)	PID Results in PPM	Lab Sample Collected Y/N	
5/28/2013	10:25	SB-1	1	176.0	N	
5/28/2013	10:26	SB-1	2	580.0	N	
5/28/2013	10:27	SB-1	3	188.0	 N	
5/28/2013	10:28	SB-1	4	151.0	N	
5/28/2013	10:29	SB-1	5	118.0	N	
5/28/2013	14:34	SB-1	6	16.0	N	
5/28/2013	14:35	SB-1	7	45.0	N	
5/28/2013	10:30	SB-2	1	622.0	N	
5/28/2013	10:31	SB-2	2	501.0	N	
5/28/2013	10:32	SB-2	3	932.0	N	
5/28/2013	10:33	SB-2	4	884.0	N	
5/28/2013	10:34	SB <u>-</u> 2	5	1558.0	<u>N</u>	
5/28/2013	14:36	SB-2		200.0	N	
5/28/2013	14:37	SB-2		105.0	N	
5/28/2013	10:35	SB-3	2101/511	1934.0	N	
5/28/2013	10:36	SB-3	2	987.0	N	
5/28/2013	10:37	SB-3	3	1156.0	N	
5/28/2013	10:38	SB-3	4	879.0	N	
5/28/2013	11:16	SB-4	1	324.0	N	
5/28/2013	11:17	SB-4	2	49.0	<u> </u>	
5/28/2013	1:18	SB-4	3	57.0	<u>N</u>	
5/28/2013	11:19	SB-4	4	69.0	N	
5/28/2013	11:20	SB-4	5	64.0	N	
5/28/2013	11:21	SB-5	1	1251.0	N	
5/28/2013	11:22	SB-5	2	1042.0	<u>N</u>	
5/28/2013	11:23	SB-5	3	3009.0	<u>N</u>	
5/28/2013	11:24	SB-5	4	708.0	<u>N</u>	
5/28/2013	11:25	SB-5	5	413.0	N	
5/28/2013	11:26	SB-6	1	58.0	N	
5/28/2013	11:27	SB-6	2	74.0	<u>N</u>	
5/28/2013	11:28	SB-6	3	101.0	<u>N</u>	
5/28/2013	11:29	SB-6	4 5	112.0	<u> </u>	
5/28/2013	11:30	SB-6		104.0		
5/28/2013	<u>11:53</u> 11:54	SB-7 SB-7	1 2	51.0 130.0	N	
5/28/2013		+	3	77.0	N	
5/28/2013 5/28/2013	<u>11:55</u> 11:56	SB-7 SB-7	3 4	49.0	N	
5/28/2013	11:57	SB-7 SB-7	5	49.0 58.0	N	
	11:58				N	
5/28/2013		SB-8	1	44.0		
5/28/2013	11:59	SB-8	2	41.0	N	
5/28/2013	12:00	SB-8	3	47.0 52.0	N	
5/28/2013 5/28/2013	<u>10:01</u> 12:02	SB-8 SB-8	4 5	52.0	N	

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5/28/2013	12:03	SB-9	1	5.0	N
5/28/2013	12:04	SB-9	2	1.7	N N
5/28/2013	12:05	SB-9	3	9.0	N
5/28/2013	12:06	SB-9	4	9.0	N
5/28/2013	12:07	SB-9	5	12.0	N
5/28/2013	12:51	SB-10	1	150.0	N
5/28/2013	12:52	SB-10	2	46.0	N
5/28/2013	12:53	SB-10	3	54.0	N
5/28/2013	12:54	SB-10	4	54.0	N
5/28/2013	12:55	SB-11	1	1005.0	N
5/28/2013	12:56	SB-11	2	1107.0	N
5/28/2013	12:57 -	SB-11	3	557.0	N
5/28/2013	12:58	SB-11	4	323.0	N
5/28/2013	12:59	SB-11	5	26.0	N
5/28/2013	13:00	SB-12	1	25.0	Ň
5/28/2013	13:01	SB-12	2	5.0	N
5/28/2013	13:02	SB-12	3	27.0	N
5/28/2013	13:03	SB-12		45.0	N
5/28/2013	13:04	SB-12		13.0	N
5/28/2013	13:55	SB-13	ZINVAII	41.0	N
5/28/2013	13:56	SB-13	2	68.0	N
5/28/2013	13:56	SB-13	3	38.0	N
5/28/2013	13:56	SB-13	4	17.0	N
5/28/2013	13:57	SB-13	5	26.0	N
5/28/2013	13:58	SB-14	1	17.0	N
5/ <u>28/2013</u>	13:59	SB-14	2	7.0	N
5/28/2013	14:00	SB-14	3	5.0	N
5/28/2013	14:01	SB-14	4	6.0	N
5/28/2013	14:02	SB-14	5	23.0	N
5/28/2013	14:03	SB-15	1	97.0	N
5/28/2013	14:04	SB-15	2	82.0	N
5/28/2013	14:05	SB-15	3	19.0	N
5/28/2013	14:06	SB-15	4	124.0	<u>N</u>
5/28/2013	14:07	SB-15	5	172.0	N
5/28/2013	14:08	SB-16	1	32.0	N
5/28/2013	14:09	SB-16	2	70.0	N
5/28/2013	14:10	SB-16	3	31.0	N
5/28/2013	14:11	SB-16	4	22.0	N
5/28/2013	14:12	SB-16	5	24.0	N



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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 in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action												
			Kele				orrective A					
			10 1			RATOR		🛛 Ini	tial Repo	rt	Final Report	
		nterprise Fie				Contact Aa		106				
		venue, Farmi l K-17 Pipeli		MI 8/401		Telephone No. (505)599-2286 Facility Type Natural Gas Gathering line						
Facility Nat	ne Latera	IK-I/ Pipeli	ne		1	actifity Typ	e Natural Gas	Gatherin	ng nne			
Surface Ow	ner BLM			Mineral C	Wner E	BLM API No.						
				LOCA	TION	OF RE	LEASE					
Unit Letter J	Section 6	Township 27N	Range 8W	Feet from the	North/S	South Line	Feet from the	East/W	/est Line	County San Juan		
Latitude_N36.599836 Longitude_W107.719507 (Decimal Degrees) NATURE OF RELEASE												
	NI. 4				UKE				1/1 1			
Type of Rele	ase Natura	l gas Condens	ate and W	ater		Volume of	Release Unknow	'n		Recovered 40 yards of ated soil removed		
Source of Re	lease Corro	osion hole					Iour of Occurrenc @ 12:10 hours	e		Hour of Discovery @ 12:10 hours		
Was Immedia	ate Notice (Yes 🛛	No 🗌 Not Red	quired	If YES, To	Whom?					
By Whom?						Date and H	lour					
Was a Water	course Read					If YES, Volume Impacting the Watercourse. RCVD MAY 13 '13						
			Yes 🛛	No						OIL CONS.		
If a Watercou	irse was Im	pacted, Descr	be Fully.'	k		,				DIST.	3	
Corrosion co into a safe lo for May 7, 20	ntrol injectication and one of the second seco	called supervis	detected I or. Addit	eak on pipe while ional technicians							way from the area irs were scheduled	
Some impa permitted la	cted soil wa andfarm fac	ility. Clean fi	upon rep Il from the	cen.* airs to the pipelind e OCD permitted ng closure will be	landfarm	facility was	brought back in	to the pip	ately 40 ya beline exca	ards, was haule wation for bacl	d to an OCD kfill material.	
I hereby certi	fy that the	information gi	ven above	e is true and comp	lete to th	e best of my	knowledge and u	inderstar				
				nd/or file certain r ce of a C-141 repo								
				investigate and r								
or the enviro	nment. In a	addition, NMC	CD accep	otance of a C-141	report de	oes not reliev	ve the operator of	responsi	bility for c	compliance wit	h any other	
federal, state.	, or local la	ws and/or regu	ilations.				0.0.000					
Signature:	/l	r					<u>OIL CON</u>	SERV	ATION	DIVISION	<u>v</u>	
									\cap	10/11		
Printed Name	e: Matt Ma	arra				Approved by	Environmental S	Specialist	Dona	[] /· filly	r	
Title: Sr. Di	rector, Env	ironmental			Approval Da	te: 11/8/201	3	Expiration	Date:			
E-mail Addr	ess: mema	rra@eprod.coi	n			Conditions o	f Approval:			Attached		
Date: 5-8	7-2013	Pho	ne: (713)3	381-6684								
* Attach Addi							Ta	×12	312	.52 35 7 20:	2	
							C II	11-12	הוכ ו		J	
										20	5	